

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011021.D
 Acq On : 27 Jun 2019 15:28
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:24:54 AM

Quant Time: Jun 28 01:49:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157928	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	30857	11.35	ug/l	0.00
Spiked Amount			Recovery	=	22.70%	
35) Dibromofluoromethane	7.88	113	24001	11.56	ug/l	0.00
Spiked Amount			Recovery	=	23.12%	
50) Toluene-d8	10.32	98	95994	10.54	ug/l	0.00
Spiked Amount			Recovery	=	21.08%	
62) 4-Bromofluorobenzene	12.62	95	35231	10.64	ug/l	0.00
Spiked Amount			Recovery	=	21.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	18948	9.456	ug/l	98
3) Chloromethane	2.21	50	24581	8.497	ug/l	96
4) Vinyl Chloride	2.36	62	32641	11.604	ug/l	97
5) Bromomethane	2.77	94	16207	10.634	ug/l	96
6) Chloroethane	2.91	64	16824	10.197	ug/l	98
7) Trichlorofluoromethane	3.25	101	8820	2.778	ug/l	93
8) Diethyl Ether	3.67	74	14613	11.267	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26298	11.739	ug/l	98
10) Methyl Iodide	4.27	142	36043	16.772	ug/l	99
11) Tert butyl alcohol	5.16	59	10975	51.861	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	26282	11.958	ug/l	95
13) Acrolein	3.89	56	7908	78.024	ug/l	98
14) Allyl chloride	4.66	41	42659	9.253	ug/l	98
15) Acrylonitrile	5.36	53	34294	53.732	ug/l	99
16) Acetone	4.12	43	34205	48.975	ug/l	92
17) Carbon Disulfide	4.38	76	72727	10.552	ug/l	99
18) Methyl Acetate	4.67	43	20657	13.340	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	38394	6.668	ug/l	94
20) Methylene Chloride	4.92	84	32354	12.954	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	27743	11.354	ug/l	97
22) Diisopropyl ether	6.31	45	103862	10.956	ug/l	99
23) Vinyl Acetate	6.25	43	298133	51.695	ug/l	99
24) 1,1-Dichloroethane	6.21	63	55208	11.520	ug/l	98
25) 2-Butanone	7.17	43	54474	55.401	ug/l	100
26) 2,2-Dichloropropane	7.16	77	29815	8.201	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	30403	11.326	ug/l	97
28) Bromochloromethane	7.51	49	23908	10.897	ug/l	99
29) Tetrahydrofuran	7.52	42	34366	55.161	ug/l	99
30) Chloroform	7.67	83	49741	11.354	ug/l	98
31) Cyclohexane	7.95	56	61011	11.511	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	37307	9.992	ug/l	99
36) 1,1-Dichloropropene	8.08	75	42491	11.172	ug/l	100
37) Ethyl Acetate	7.25	43	24506	11.464	ug/l	99
38) Carbon Tetrachloride	8.06	117	33882	10.420	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	50362	10.499	ug/l	99
40) Benzene	8.32	78	116327	11.190	ug/l	96
41) Methacrylonitrile	7.48	41	14097	11.041	ug/l	98
42) 1,2-Dichloroethane	8.40	62	38426	11.604	ug/l	100
43) Isopropyl Acetate	8.42	43	44012	10.730	ug/l	100
44) Trichloroethene	9.09	130	27657	10.826	ug/l	96
45) 1,2-Dichloropropane	9.37	63	30953	11.222	ug/l	96
46) Dibromomethane	9.46	93	14824	11.544	ug/l	98
47) Bromodichloromethane	9.64	83	35137	10.649	ug/l	99
48) Methyl methacrylate	9.43	41	20819	10.525	ug/l	98
49) 1,4-Dioxane	9.44	88	4719	228.086	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	114994	54.459	ug/l	100
52) Toluene	10.38	92	69779	10.924	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	34817	9.970	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	42775	10.382	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	20951	11.342	ug/l	98
56) Ethyl methacrylate	10.65	69	29044	10.264	ug/l	98
57) 1,3-Dichloropropane	10.93	76	38992	11.207	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	75278	51.074	ug/l	99
59) 2-Hexanone	10.97	43	77998	51.385	ug/l	99
60) Dibromochloromethane	11.13	129	20118	9.944	ug/l	98
61) 1,2-Dibromoethane	11.24	107	18550	10.638	ug/l	98
64) Tetrachloroethene	10.86	164	24138	11.095	ug/l	97
65) Chlorobenzene	11.66	112	71603	11.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	23514	10.581	ug/l	98
67) Ethyl Benzene	11.73	91	134905	10.870	ug/l	98
68) m/p-Xylenes	11.84	106	98018	21.992	ug/l	100
69) o-Xylene	12.16	106	45488	10.792	ug/l	100
70) Styrene	12.18	104	77543	10.583	ug/l	100
71) Bromoform	12.35	173	10539	9.204	ug/l #	98
73) Isopropylbenzene	12.46	105	125726	10.629	ug/l	98
74) N-amyl acetate	12.27	43	38014	9.797	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	24803	10.930	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	18112m	10.879	ug/l	
77) Bromobenzene	12.74	156	27766	10.761	ug/l	98
78) n-propylbenzene	12.80	91	154758	10.791	ug/l	99
79) 2-Chlorotoluene	12.89	91	89879	10.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	105004	10.763	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	6176	8.593	ug/l	88
82) 4-Chlorotoluene	12.99	91	94130	11.116	ug/l	100
83) tert-Butylbenzene	13.21	119	87252	10.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	107836	10.986	ug/l	100
85) sec-Butylbenzene	13.38	105	128404	10.706	ug/l	100
86) p-Isopropyltoluene	13.50	119	114638	10.678	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	55867	11.185	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	55705	11.219	ug/l	99
89) n-Butylbenzene	13.82	91	116466	10.842	ug/l	100
90) Hexachloroethane	14.10	117	18813	9.876	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	49360	10.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3839	9.799	ug/l	97

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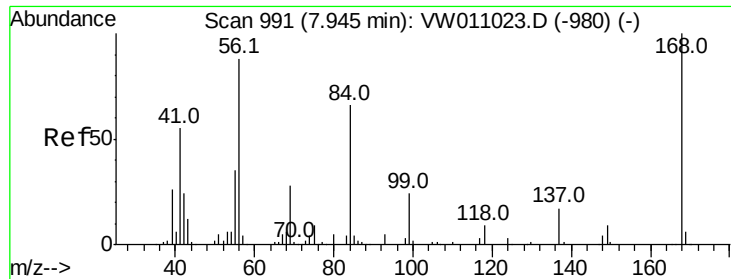
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33921	10.719	ug/l	100
94) Hexachlorobutadiene	15.24	225	20953	10.621	ug/l	99
95) Naphthalene	15.37	128	61121	10.509	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	30235	11.166	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 220702

Ion Ratio Lower Upper

168 100

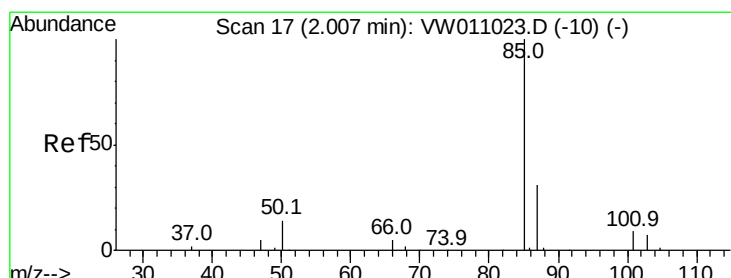
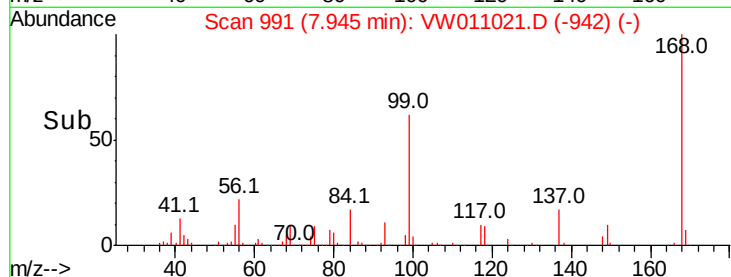
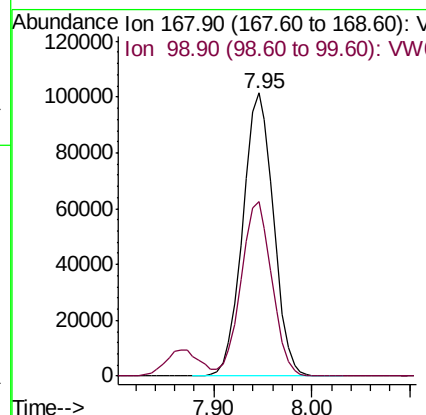
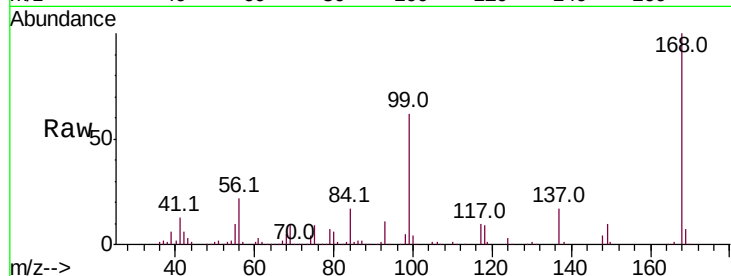
99 61.7 47.8 71.6

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6/28/2019 10:24:54 AM



#2

Dichlorodifluoromethane

Concen: 9.456 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011021.D

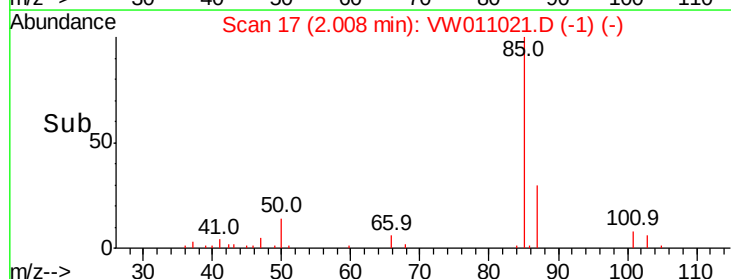
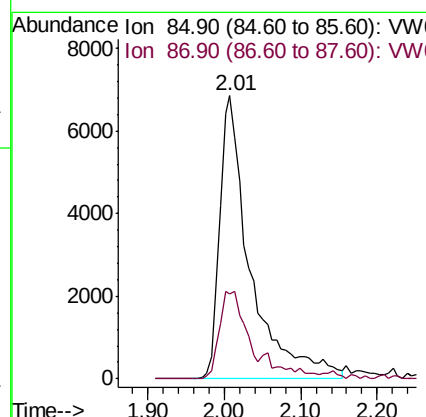
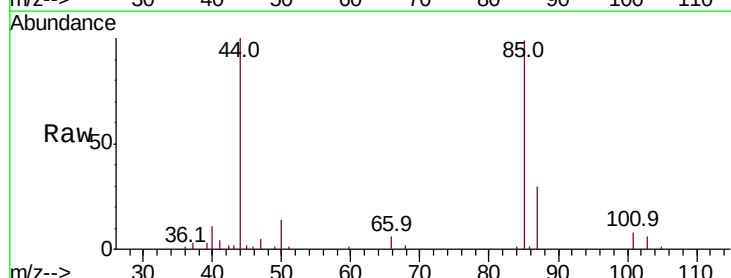
Acq: 27 Jun 2019 15:28

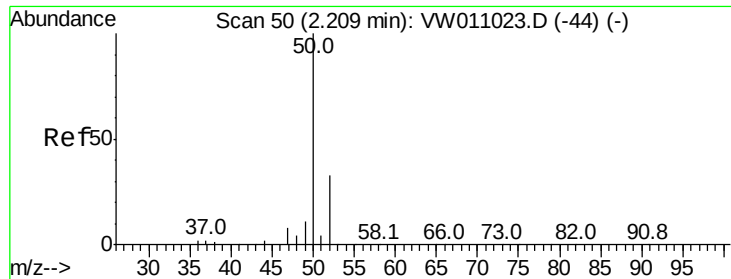
Tgt Ion: 85 Resp: 18948

Ion Ratio Lower Upper

85 100

87 30.0 15.7 47.0





#3

Chloromethane

Concen: 8.497 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 24581

Ion Ratio Lower Upper

50 100

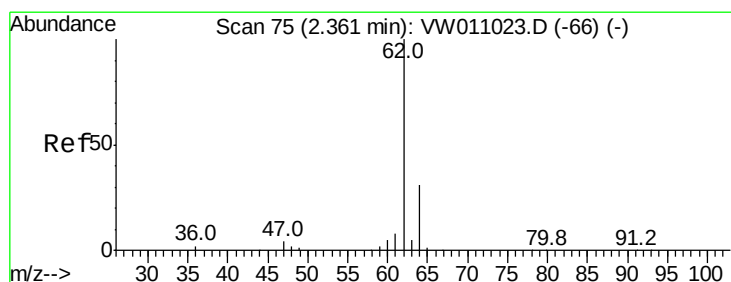
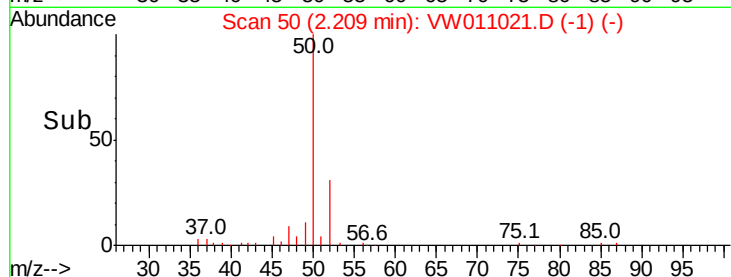
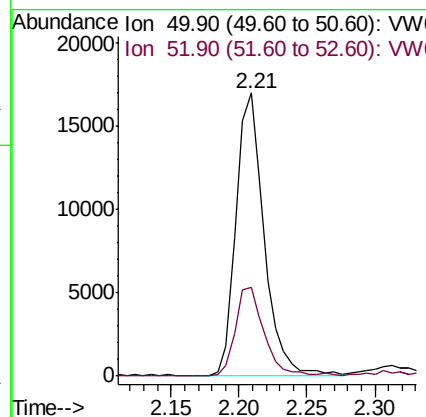
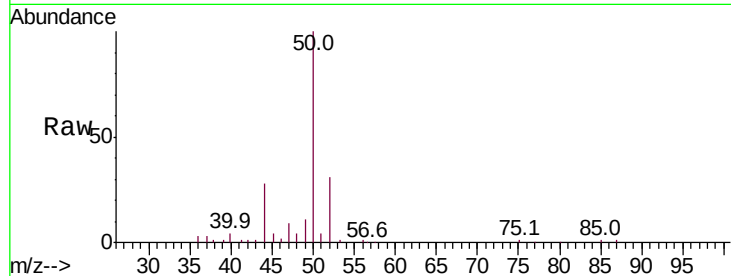
52 31.3 26.6 40.0

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#4

Vinyl Chloride

Concen: 11.604 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011021.D

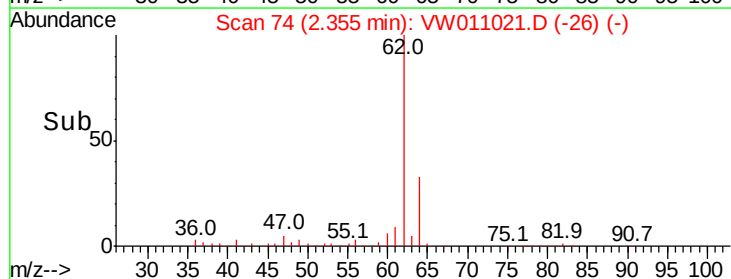
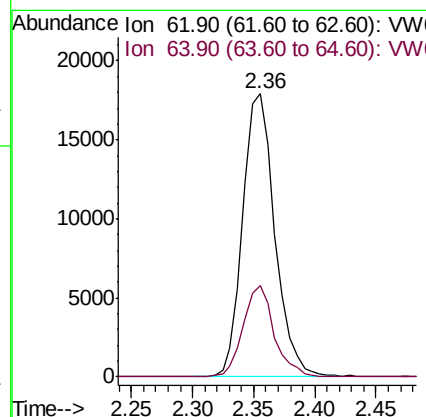
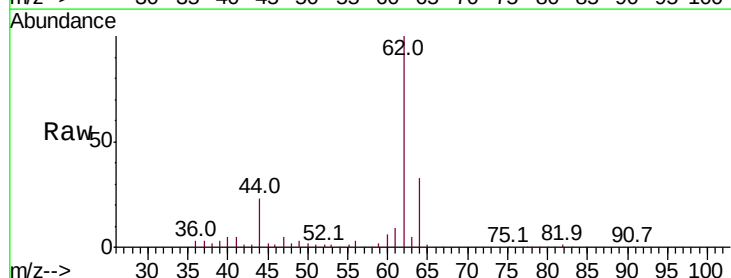
Acq: 27 Jun 2019 15:28

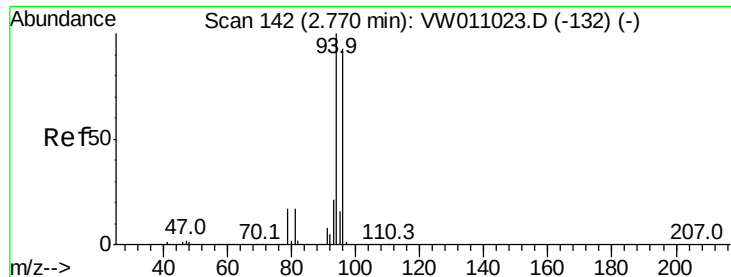
Tgt Ion: 62 Resp: 32641

Ion Ratio Lower Upper

62 100

64 32.5 24.8 37.2





#5

Bromomethane

Concen: 10.634 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 16207

Ion Ratio Lower Upper

94 100

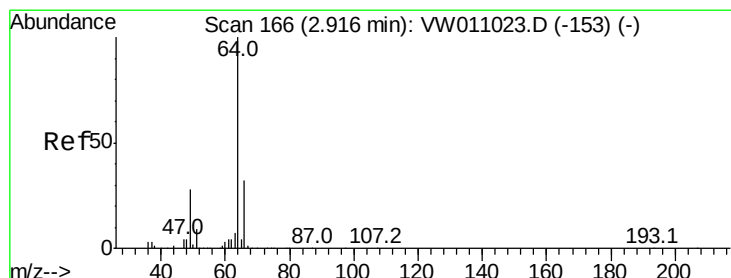
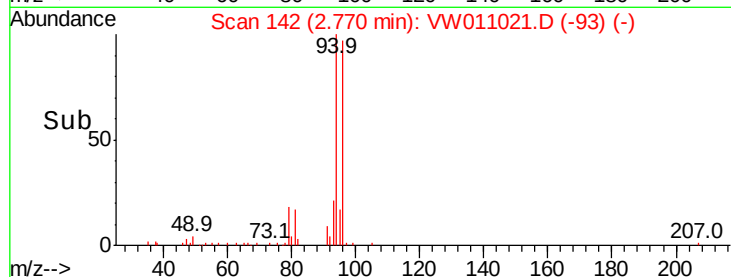
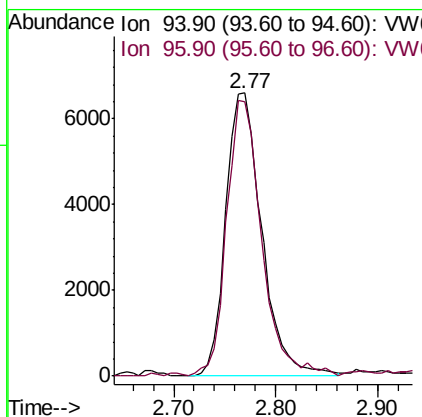
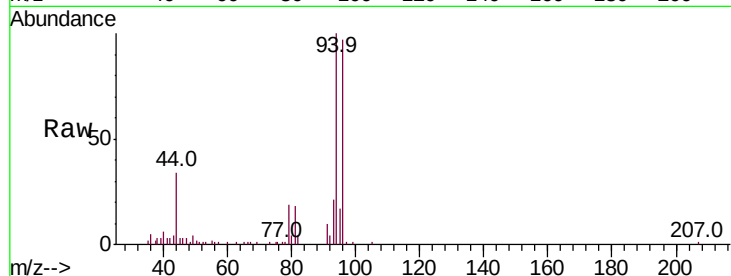
96 96.8 74.2 111.2

Manual Integrations

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6/28/2019 10:24:54 AM



#6

Chloroethane

Concen: 10.197 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011021.D

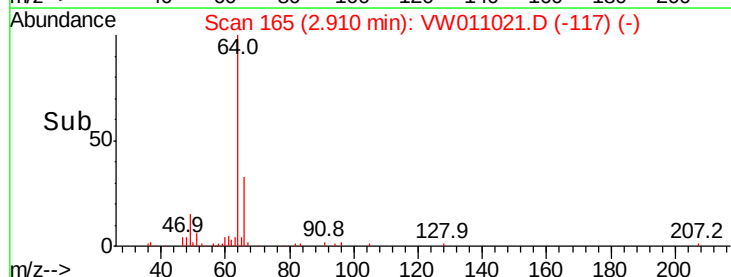
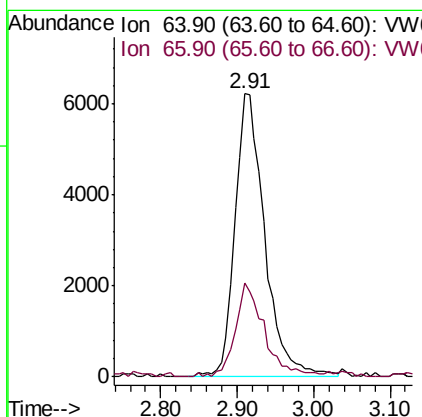
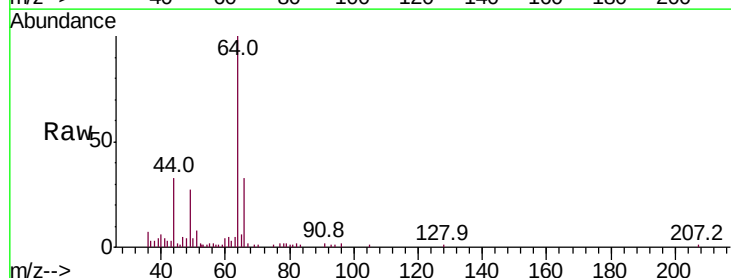
Acq: 27 Jun 2019 15:28

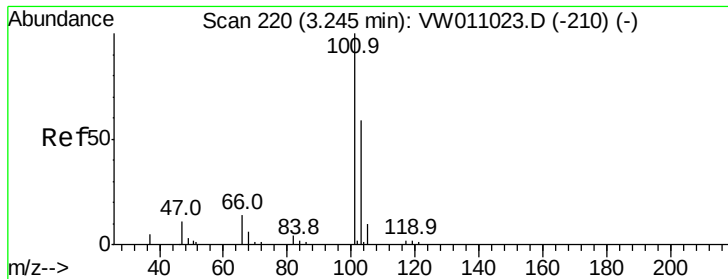
Tgt Ion: 64 Resp: 16824

Ion Ratio Lower Upper

64 100

66 33.1 25.7 38.5





#7

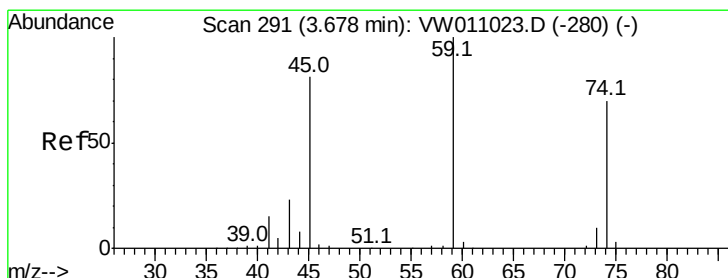
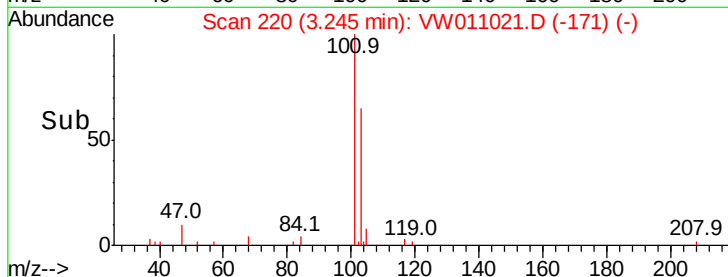
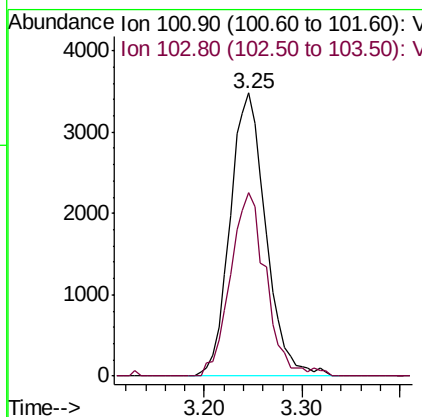
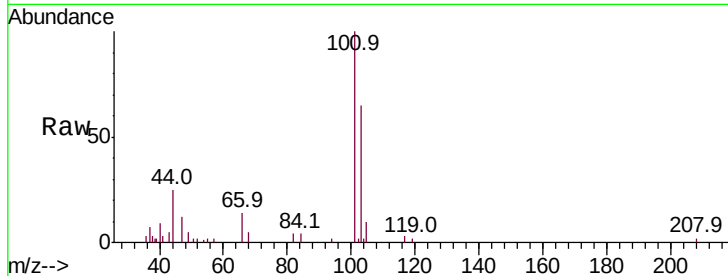
Trichlorofluoromethane
Concen: 2.778 ug/l
RT: 3.25 min Scan# 220
Delta R.T. 0.00 min
Lab File: VW011021.D
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Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	47.5	71.3

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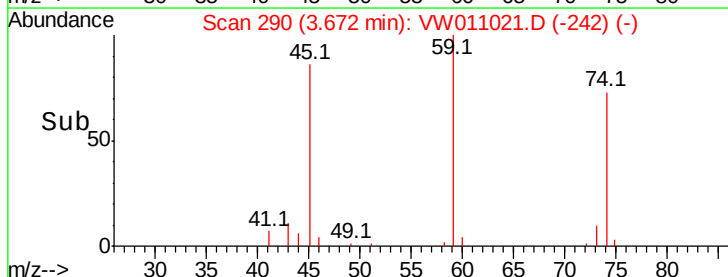
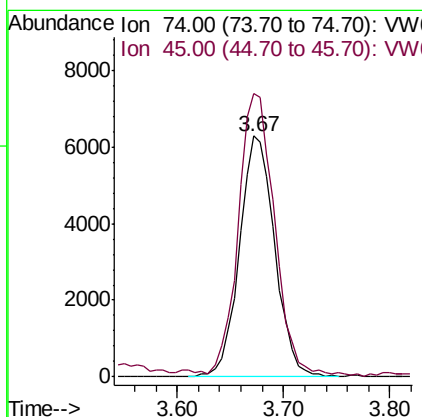
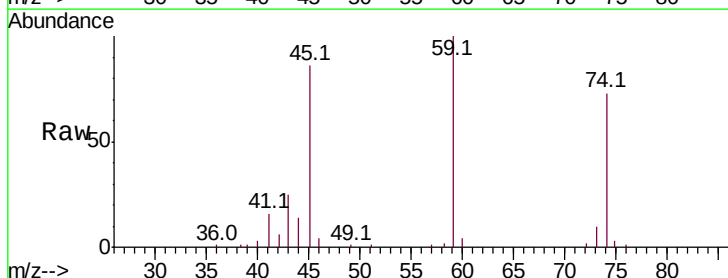
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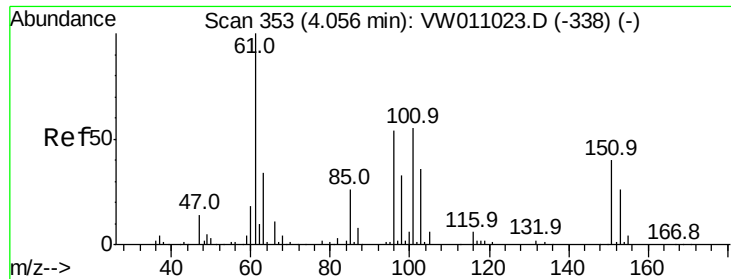


#8

Diethyl Ether
Concen: 11.267 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.9	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.739 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

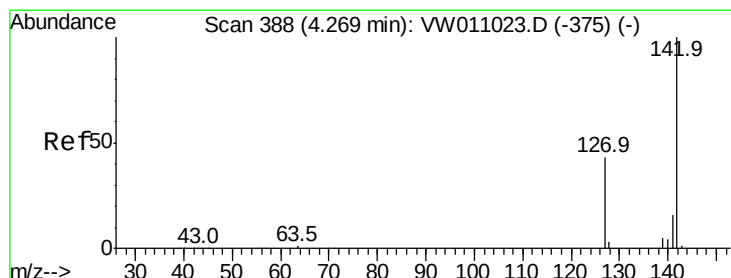
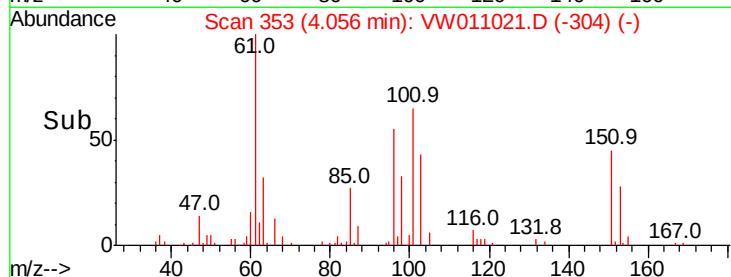
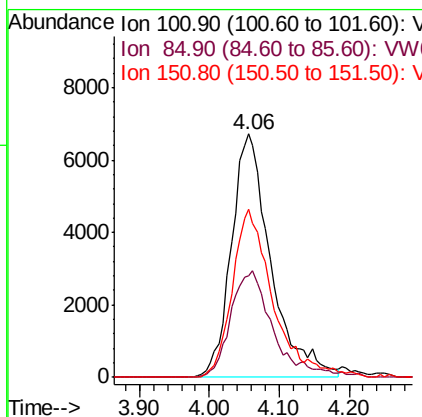
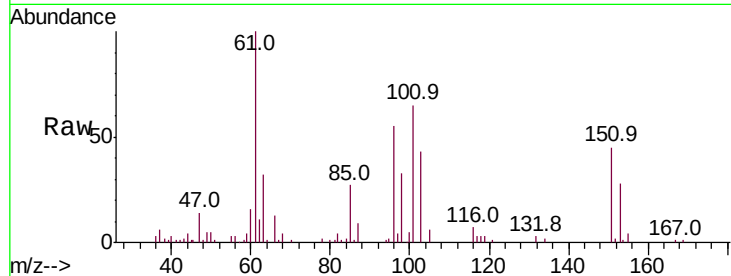
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	26298
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.6	55.0
151	71.4	58.9	88.3

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6/28/2019 10:24:54 AM



#10

Methyl Iodide

Concen: 16.772 ug/l

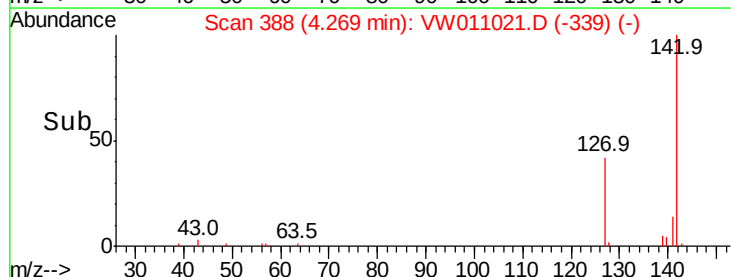
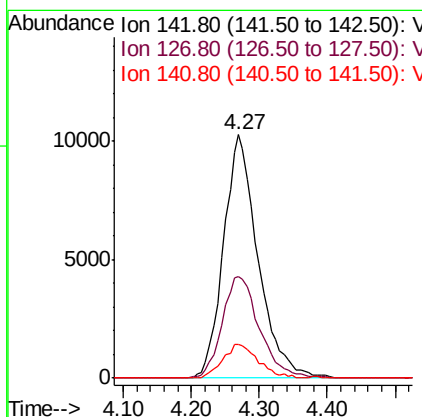
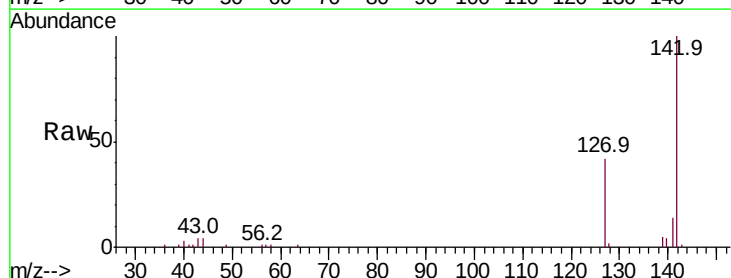
RT: 4.27 min Scan# 388

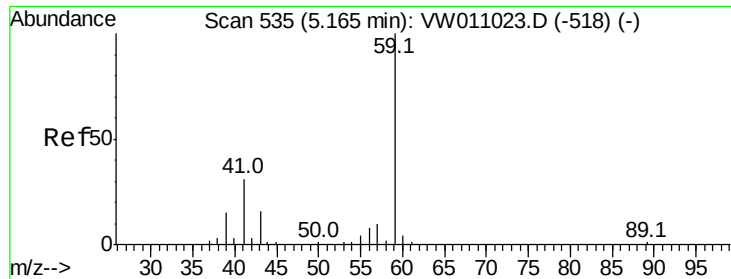
Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion:	142	Resp:	36043
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.8	53.8
141	14.3	12.2	18.2





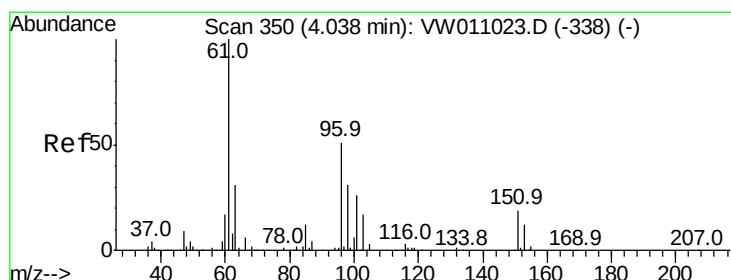
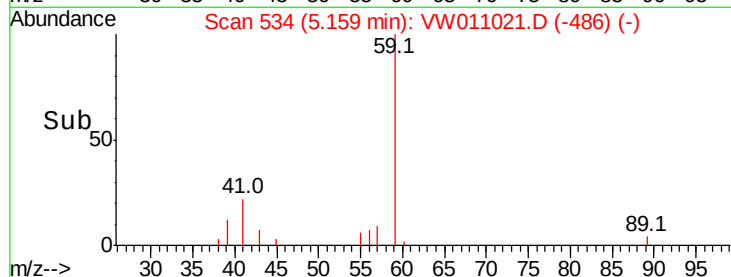
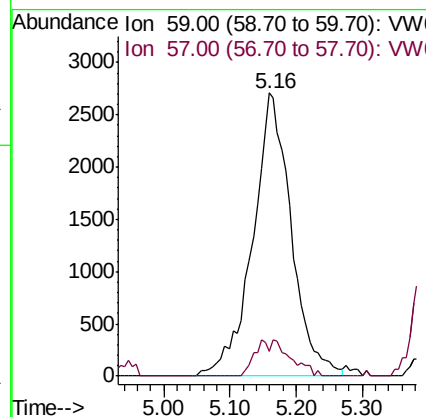
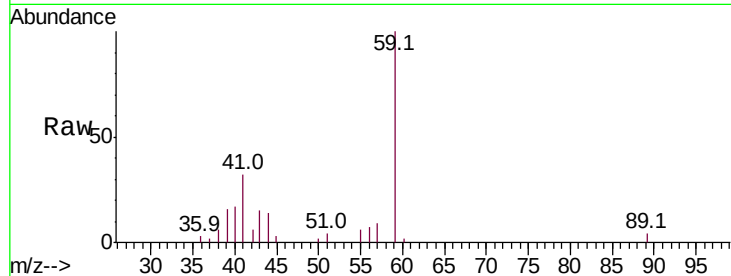
#11
Tert butyl alcohol
Concen: 51.861 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.0	9.0	13.4#

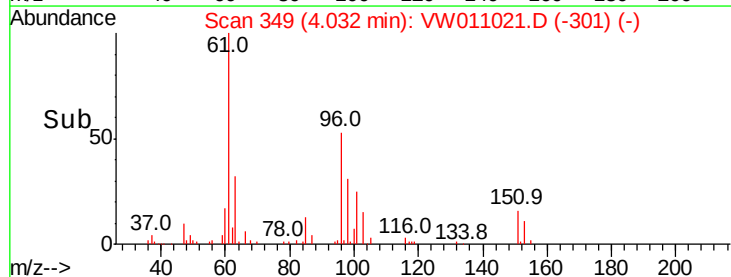
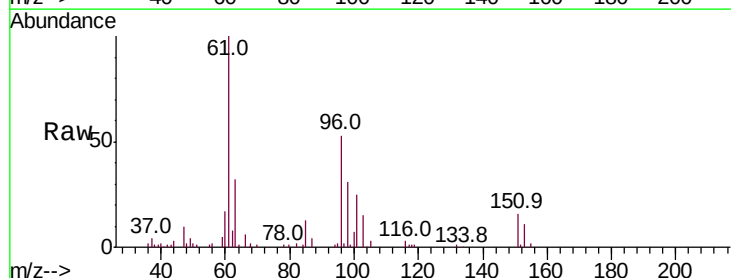
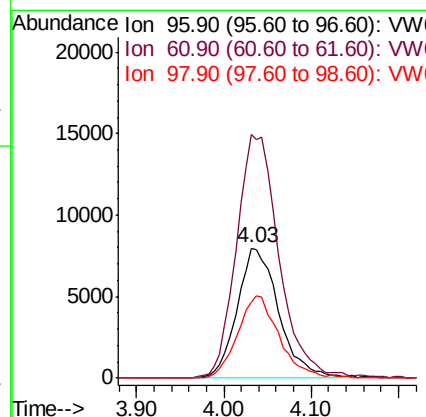
Manual Integrations
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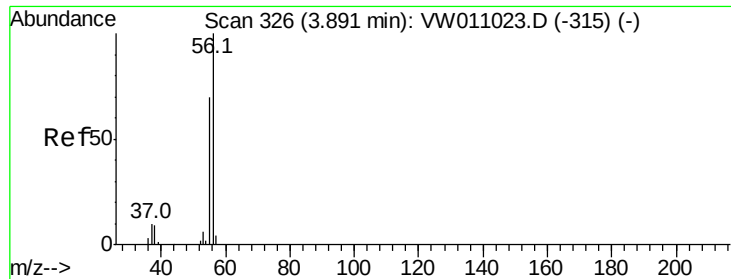
MMDadoda
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#12
1,1-Dichloroethene
Concen: 11.958 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.0	156.0	234.0
98	58.7	48.7	73.1





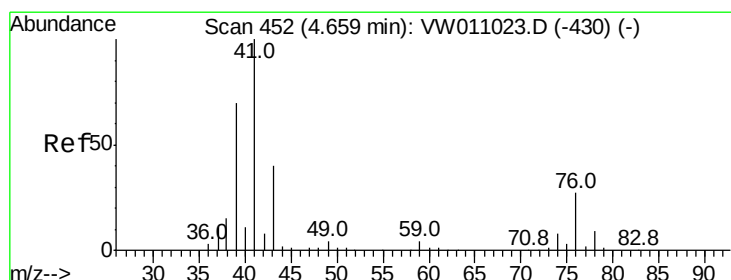
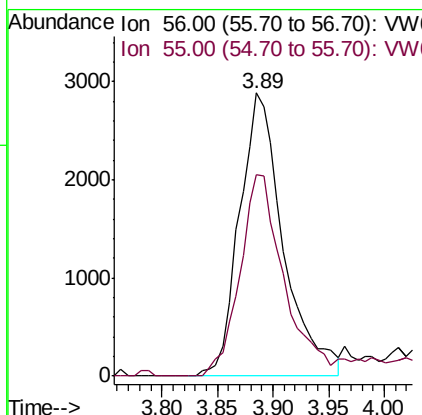
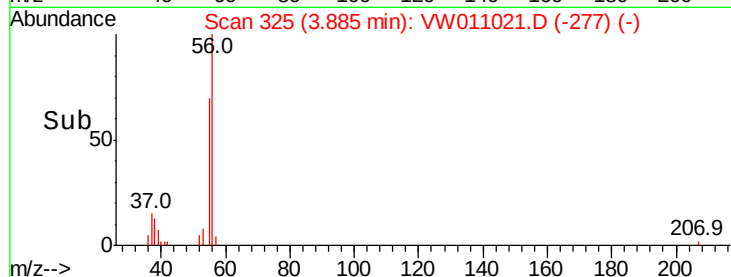
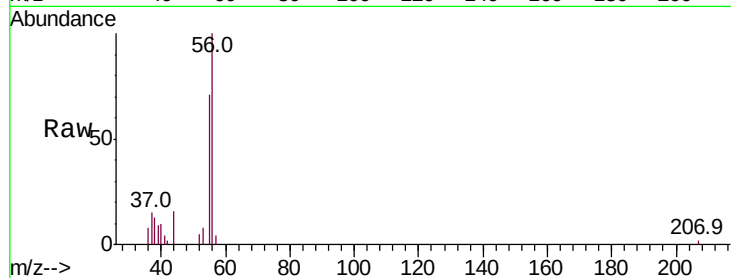
#13
Acrolein
Concen: 78.024 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.7	83.5

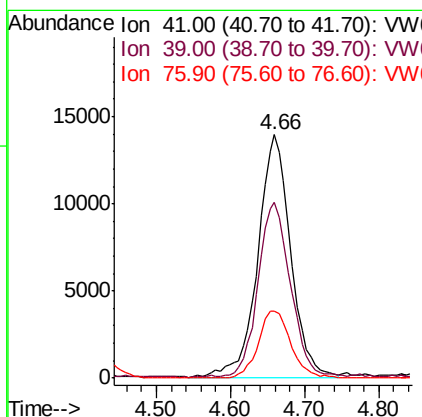
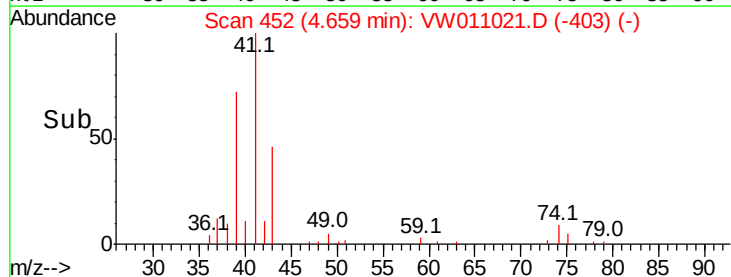
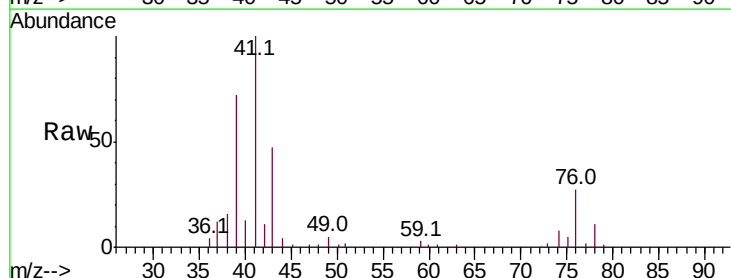
Manual Integrations
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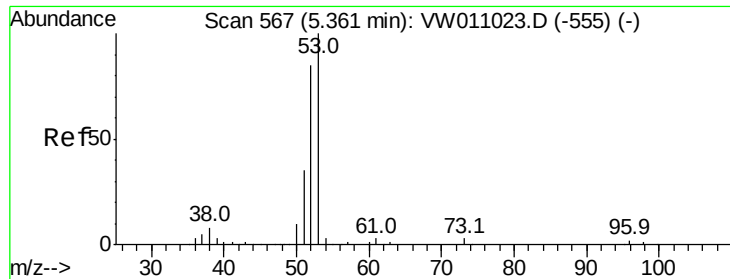
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#14
Allyl chloride
Concen: 9.253 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.0	55.4	83.2
76	27.6	22.0	33.0





#15

Acrylonitrile

Concen: 53.732 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

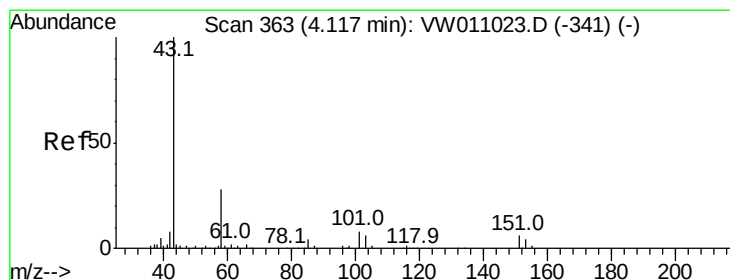
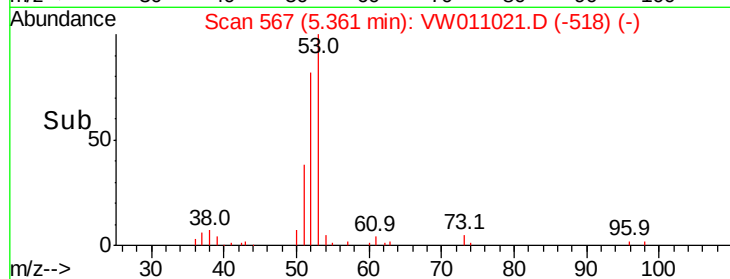
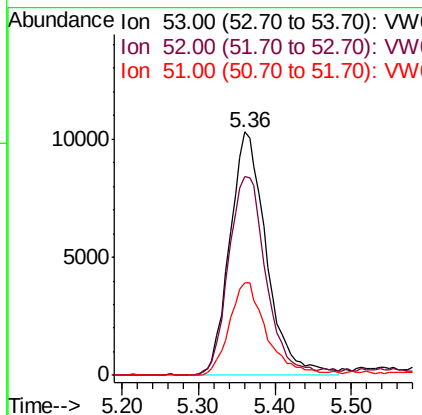
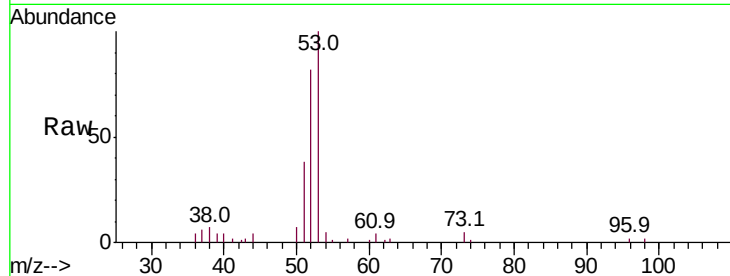
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	34294
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.3	99.5
51	38.3	29.8	44.6

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#16

Acetone

Concen: 48.975 ug/l

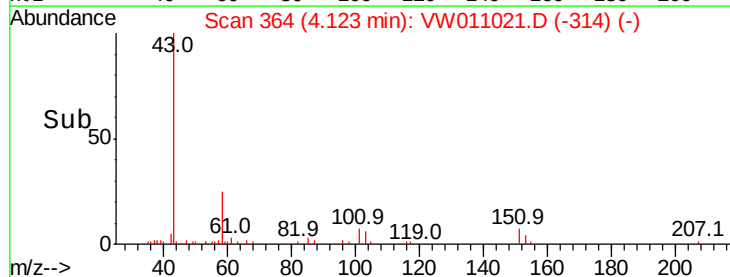
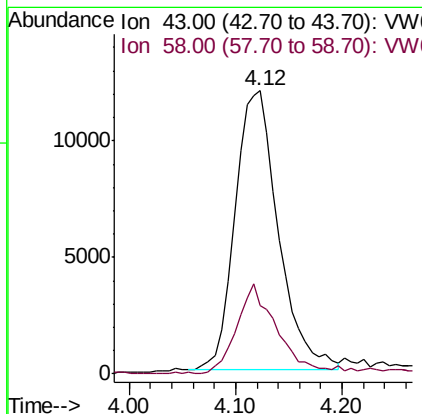
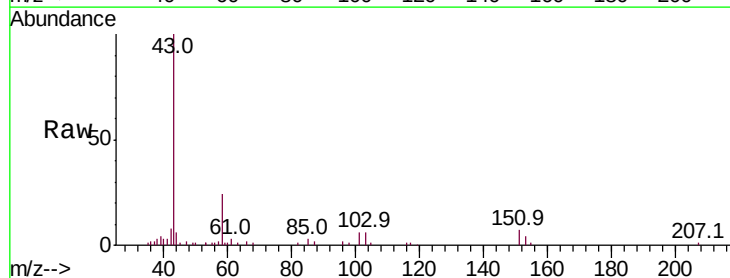
RT: 4.12 min Scan# 364

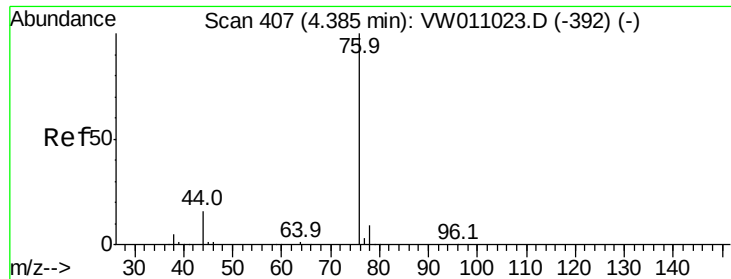
Delta R.T. 0.01 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion:	43	Resp:	34205
Ion	Ratio	Lower	Upper
43	100		
58	24.0	22.5	33.7





#17

Carbon Disulfide

Concen: 10.552 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 76 Resp: 72727

Ion Ratio Lower Upper

76 100

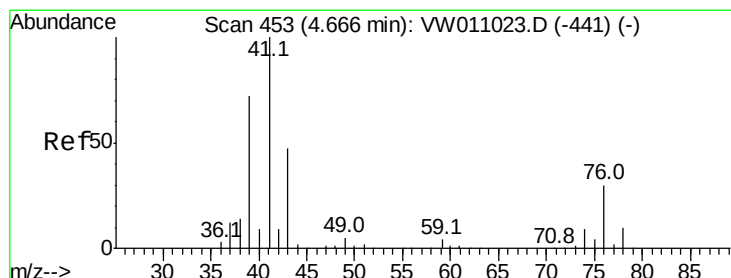
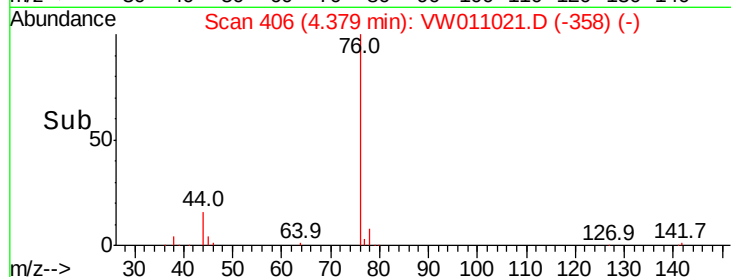
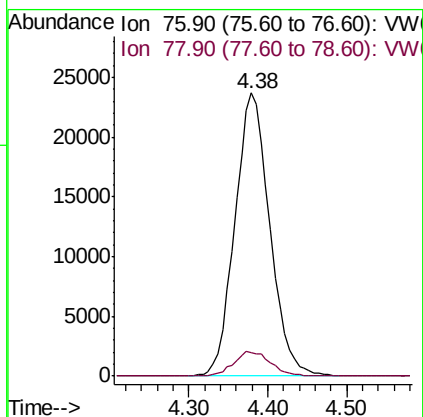
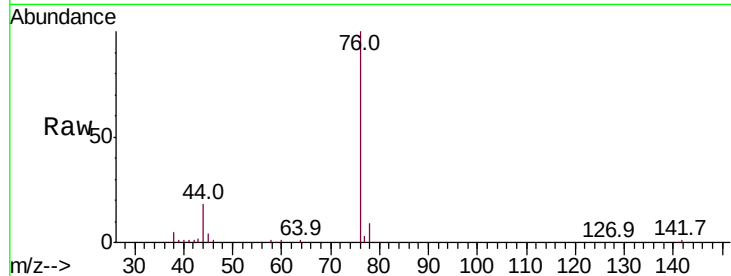
78 8.5 7.2 10.8

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6/28/2019 10:24:54 AM



#18

Methyl Acetate

Concen: 13.340 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011021.D

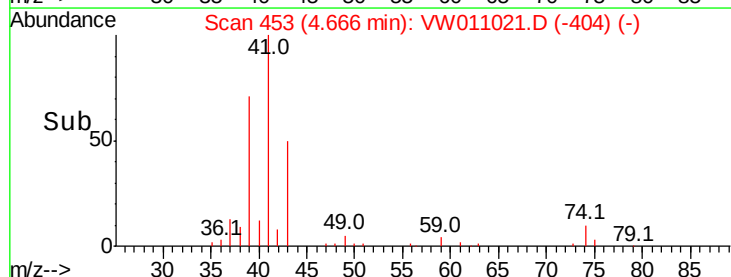
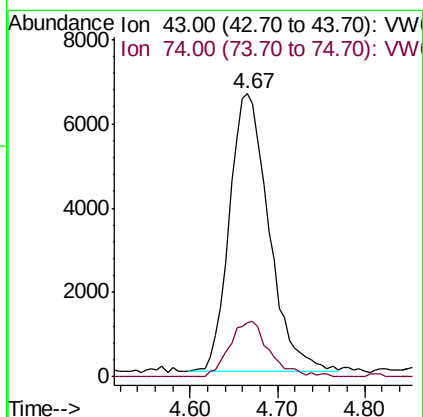
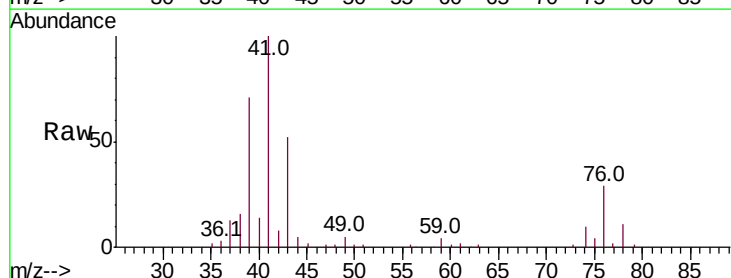
Acq: 27 Jun 2019 15:28

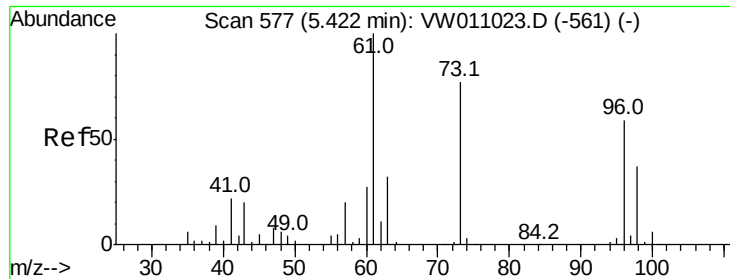
Tgt Ion: 43 Resp: 20657

Ion Ratio Lower Upper

43 100

74 19.7 15.8 23.8





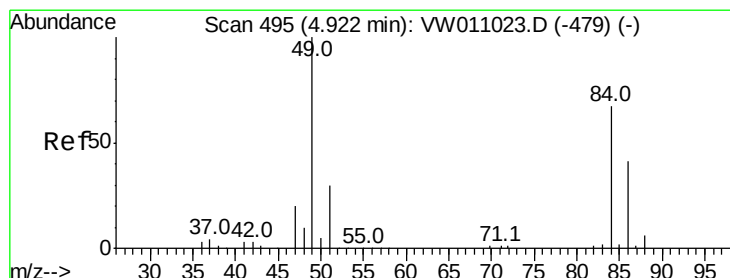
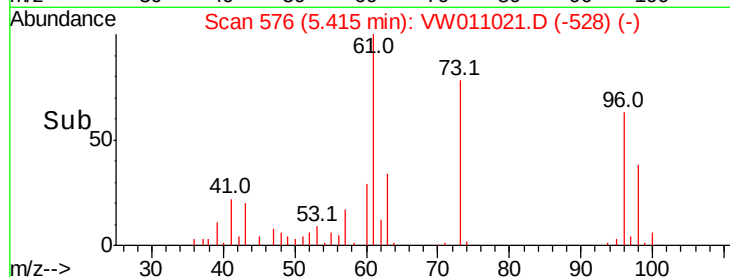
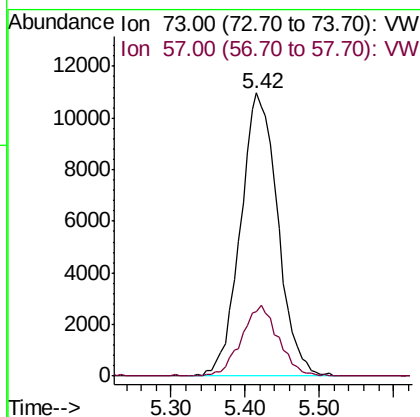
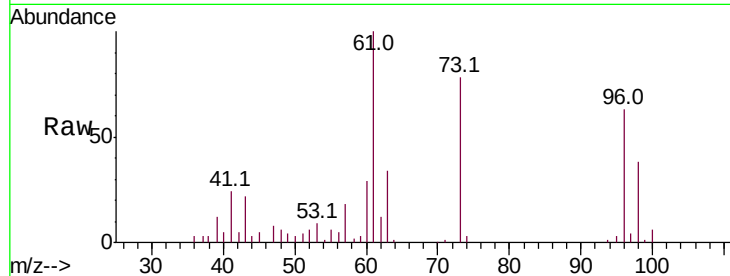
#19
Methyl tert-butyl Ether
Concen: 6.668 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 38394
Ion Ratio Lower Upper
73 100
57 22.9 20.8 31.2

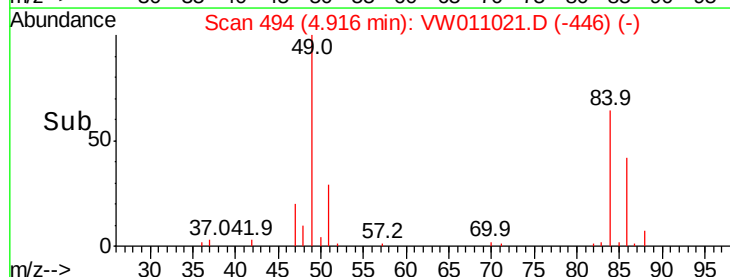
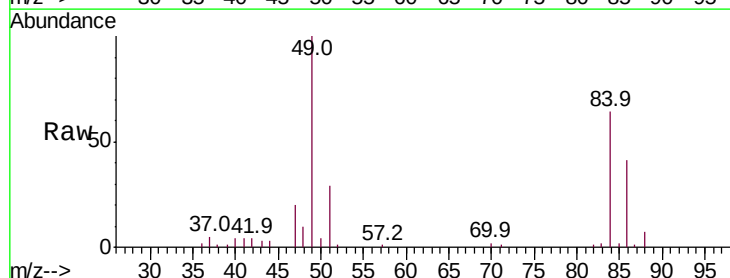
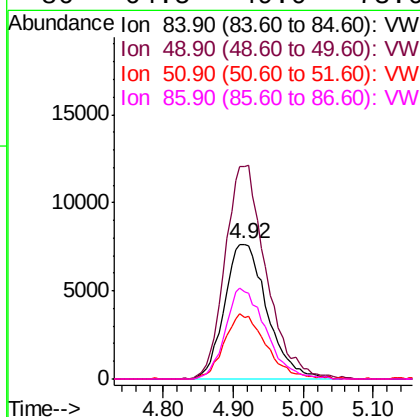
Manual Integrations
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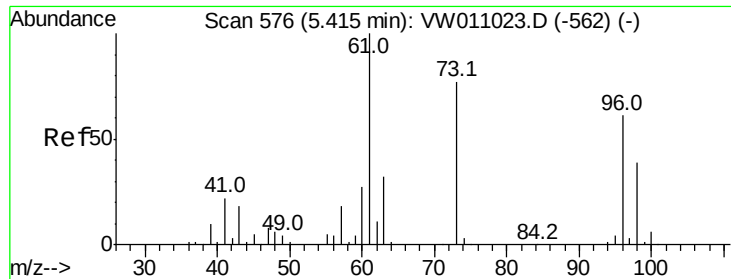
MMDadoda
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#20
Methylene Chloride
Concen: 12.954 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 84 Resp: 32354
Ion Ratio Lower Upper
84 100
49 156.6 119.6 179.4
51 45.8 35.6 53.4
86 64.5 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 11.354 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 27743

Ion Ratio Lower Upper

96 100

61 159.7 131.0 196.4

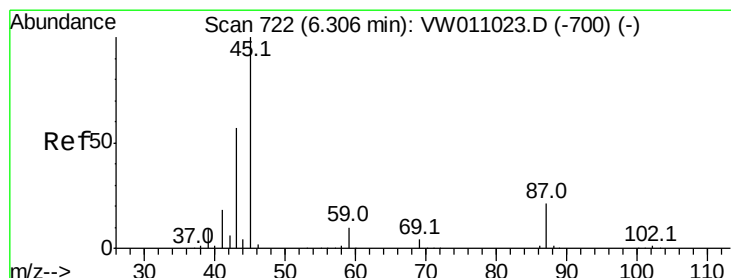
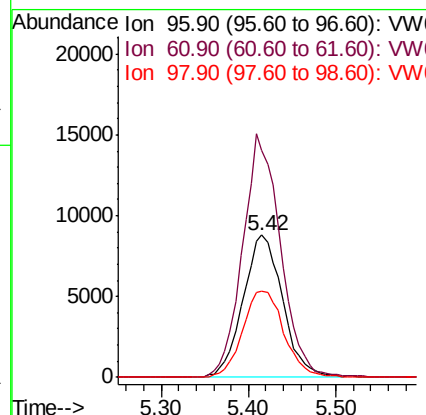
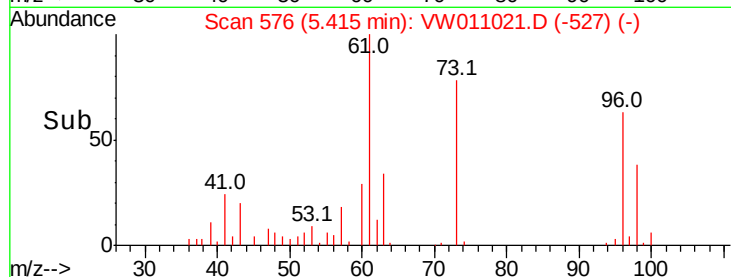
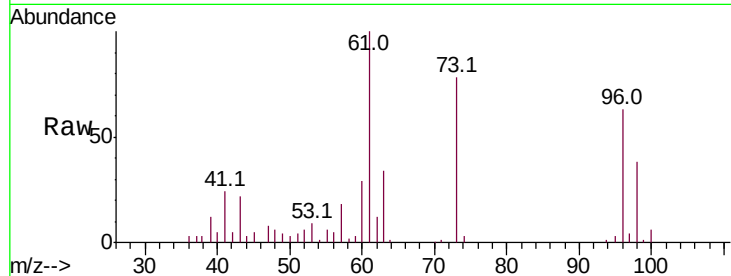
98 60.9 50.8 76.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 10.956 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion: 45 Resp: 103862

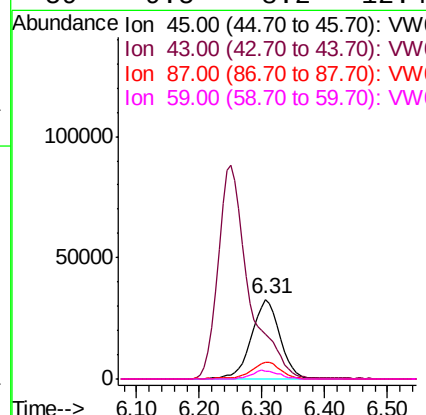
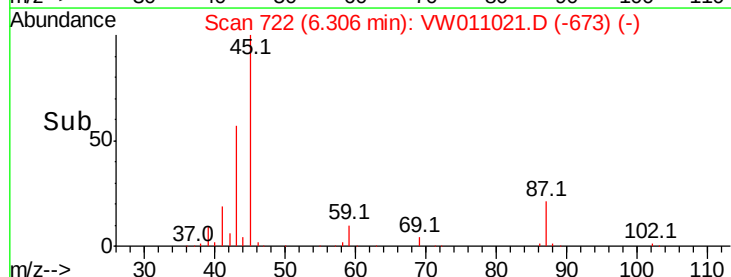
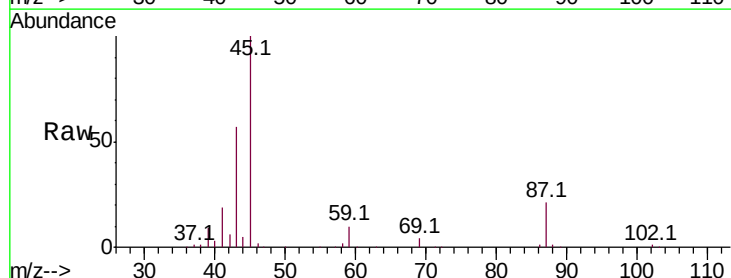
Ion Ratio Lower Upper

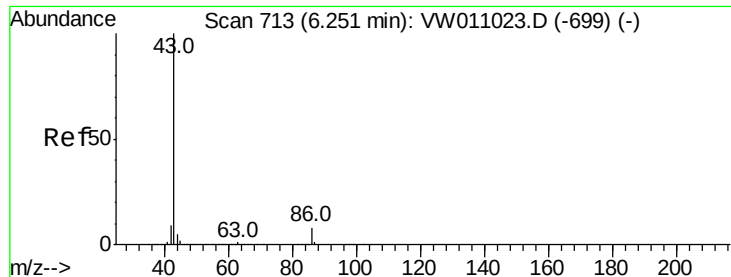
45 100

43 56.2 45.8 68.6

87 20.8 17.1 25.7

59 9.5 8.2 12.4





#23

Vinyl Acetate

Concen: 51.695 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 298133

Ion Ratio Lower Upper

43 100

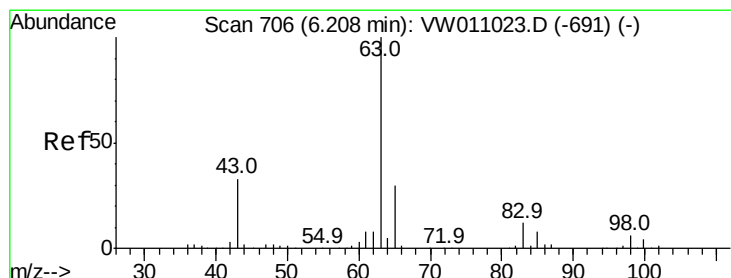
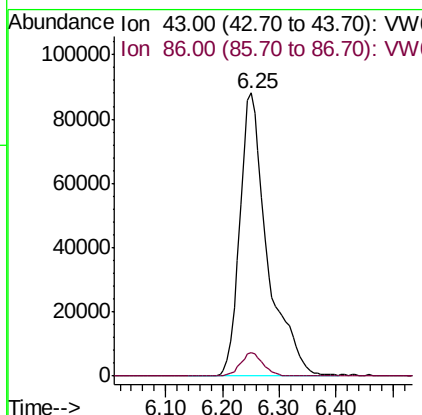
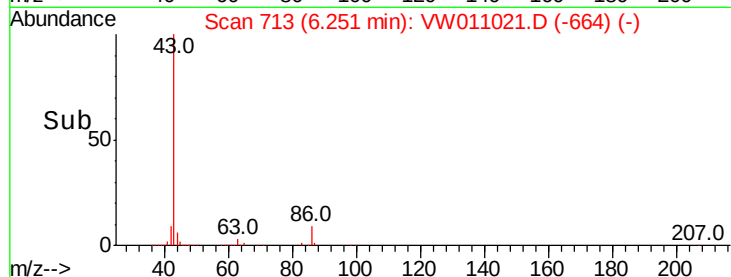
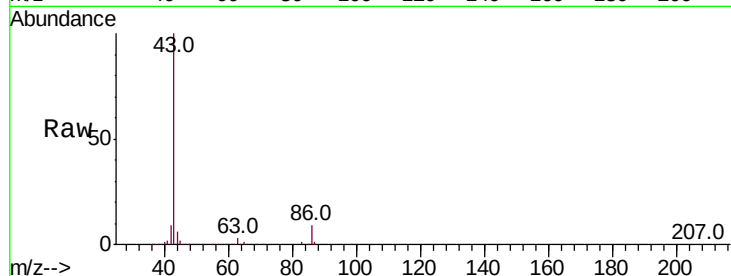
86 8.5 6.6 10.0

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#24

1,1-Dichloroethane

Concen: 11.520 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

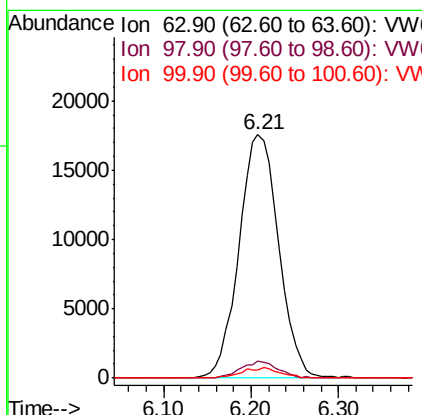
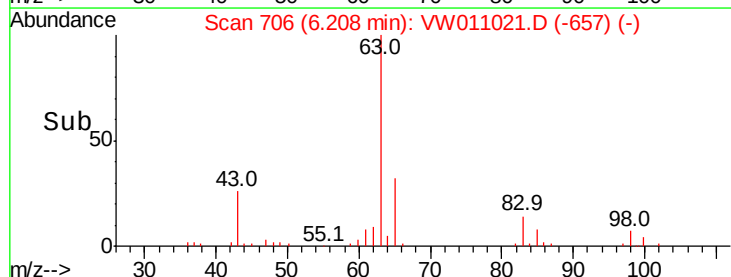
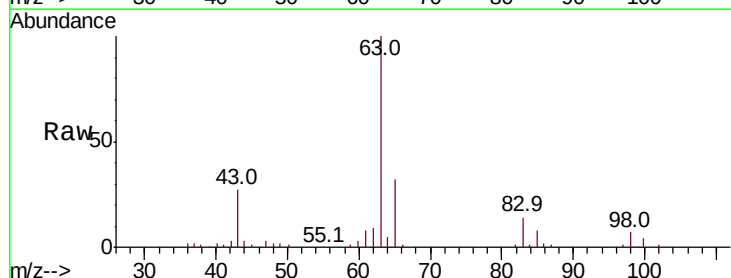
Tgt Ion: 63 Resp: 55208

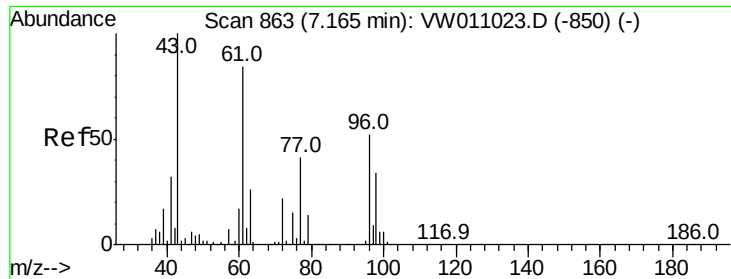
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 3.5 2.1 6.2





#25

2-Butanone

Concen: 55.401 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 54474

Ion Ratio Lower Upper

43 100

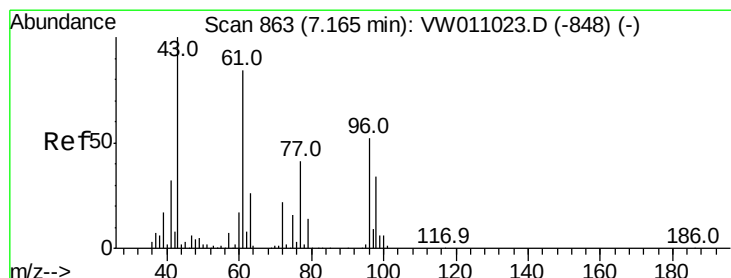
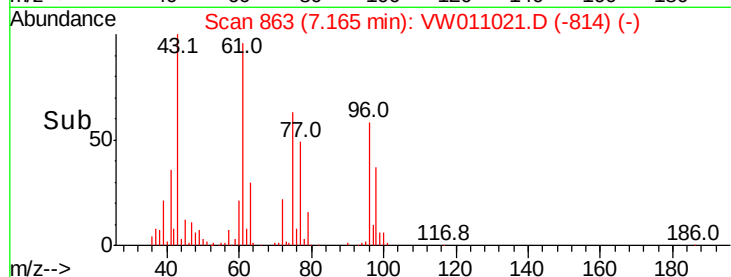
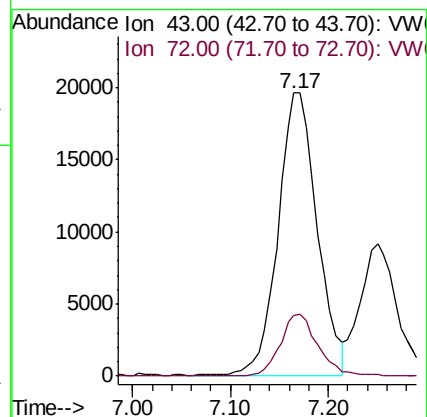
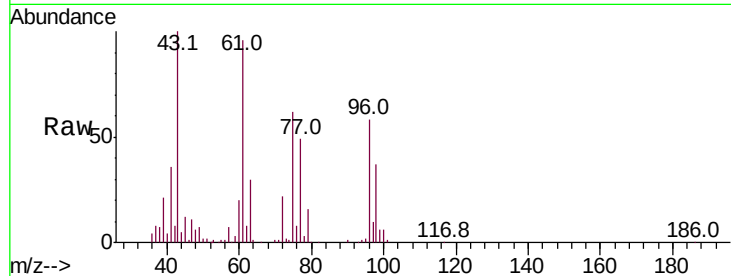
72 21.7 17.2 25.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 8.201 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011021.D

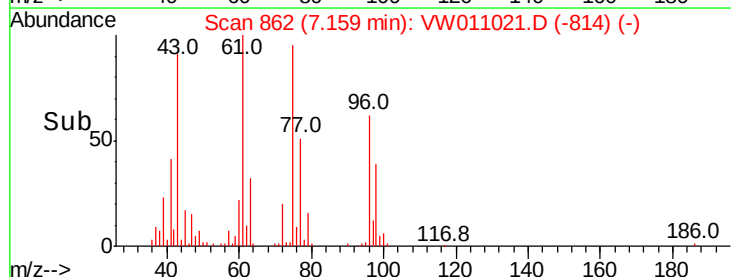
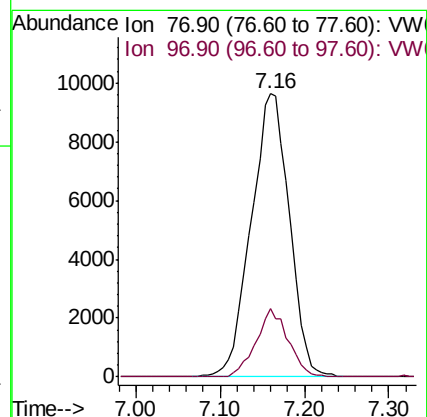
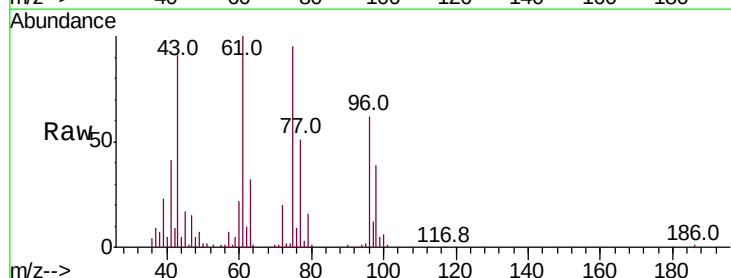
Acq: 27 Jun 2019 15:28

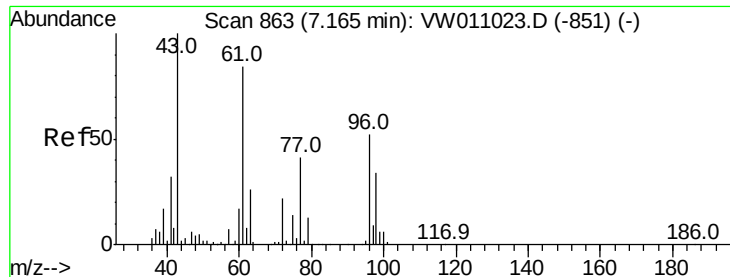
Tgt Ion: 77 Resp: 29815

Ion Ratio Lower Upper

77 100

97 20.3 10.9 32.7





#27

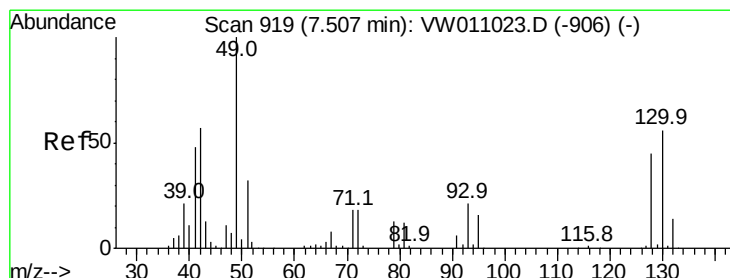
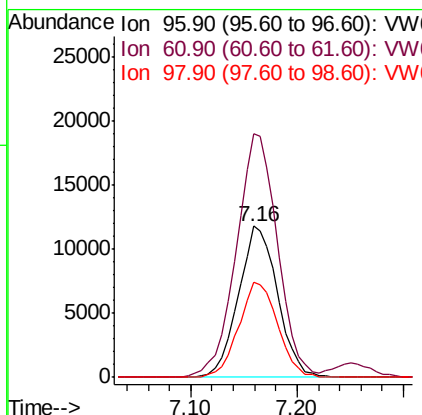
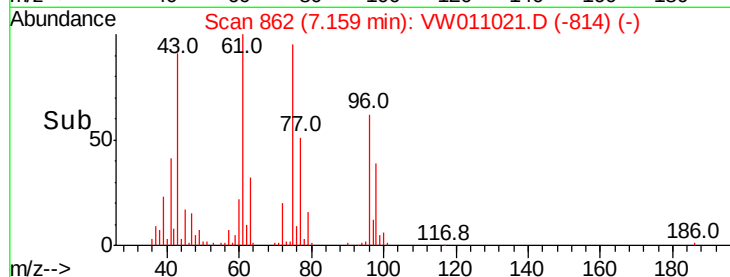
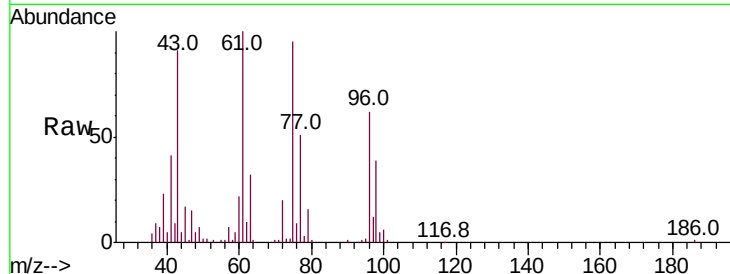
cis-1,2-Dichloroethene
Concen: 11.326 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.2	0.0	330.4
98	62.8	0.0	129.4

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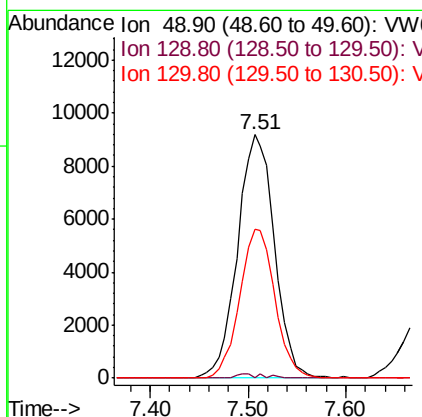
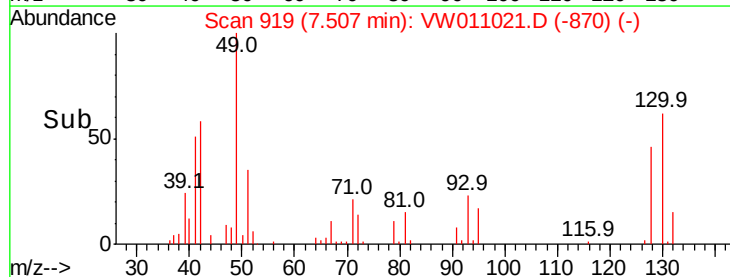
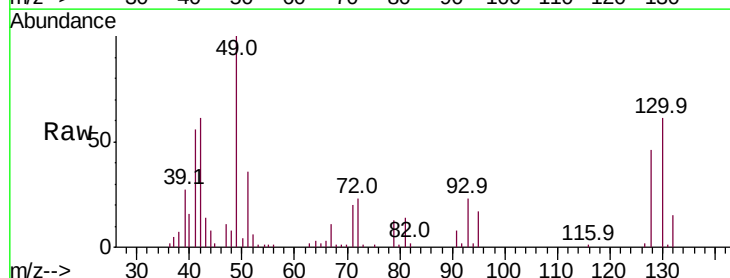
MMDadoda
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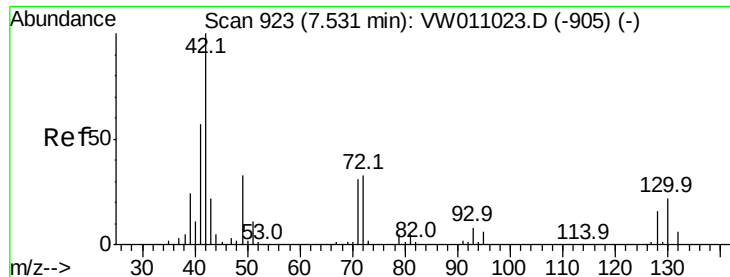


#28

Bromochloromethane
Concen: 10.897 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.4
130	58.6	46.1	69.1





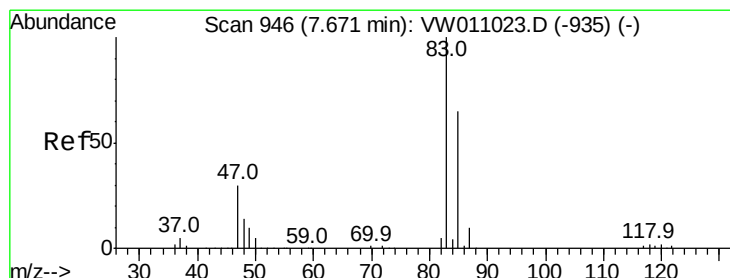
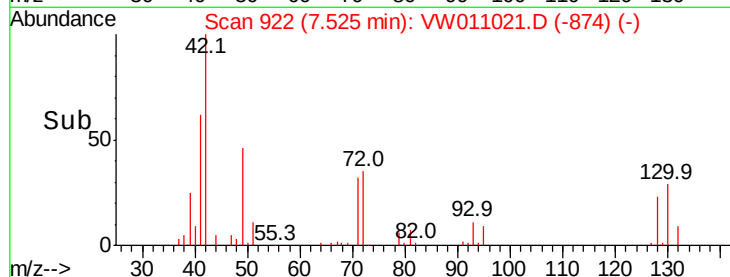
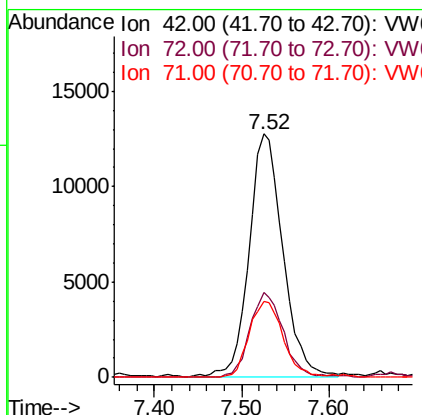
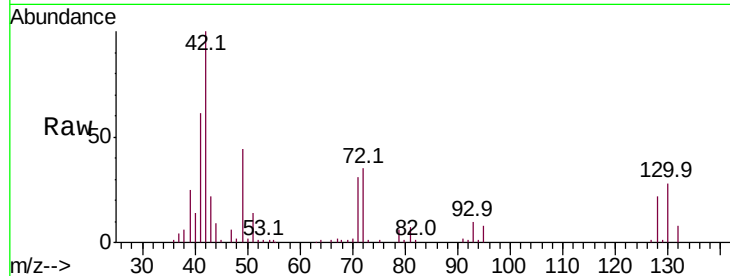
#29
Tetrahydrofuran
Concen: 55.161 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	42	Resp:	34366
Ion Ratio	Lower	Upper	
42	100		
72	34.4	27.4	41.0
71	31.4	25.6	38.4

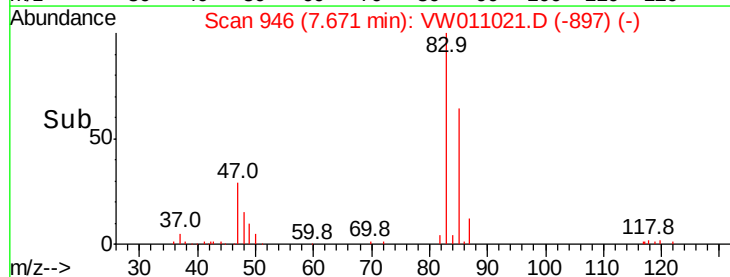
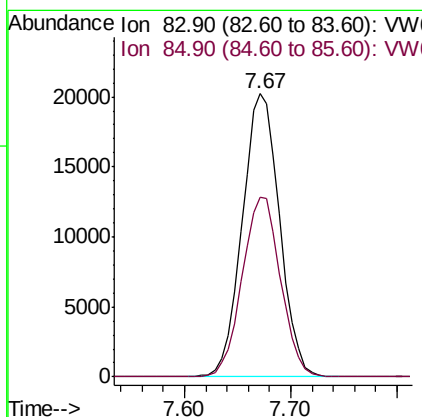
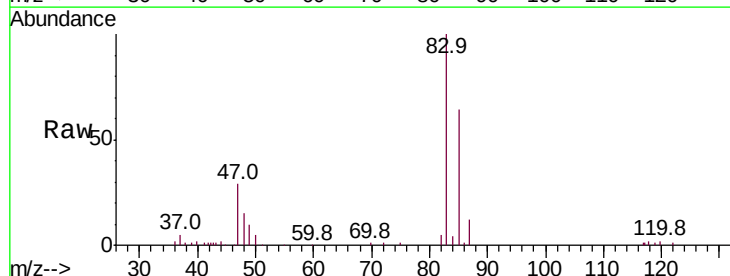
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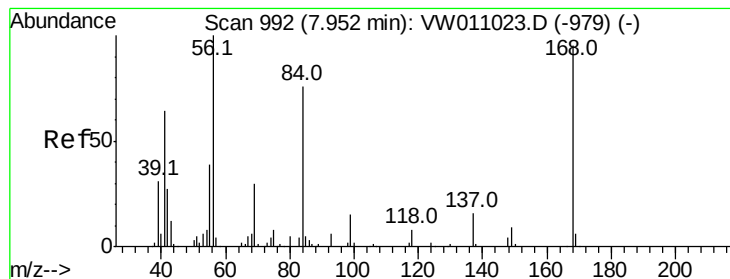
MMDadoda
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#30
Chloroform
Concen: 11.354 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion:	83	Resp:	49741
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.2	78.4





#31

Cyclohexane

Concen: 11.511 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

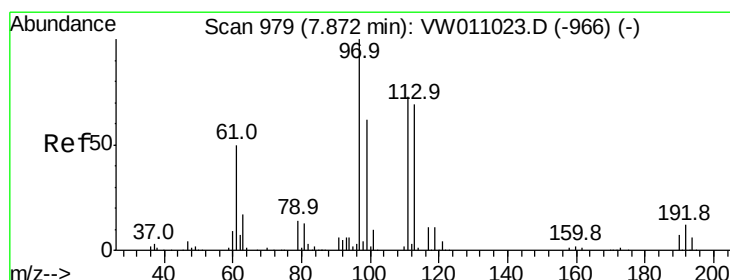
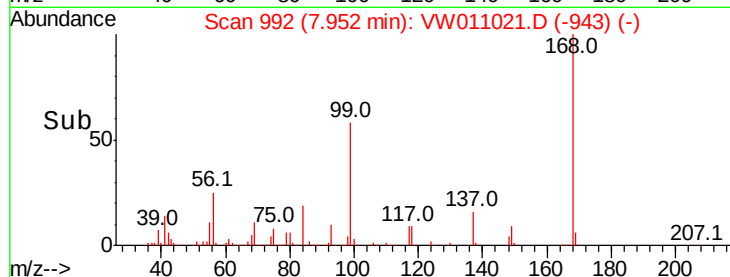
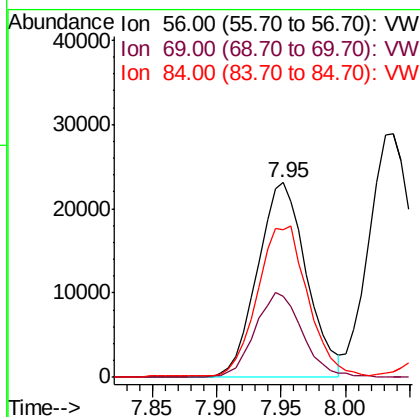
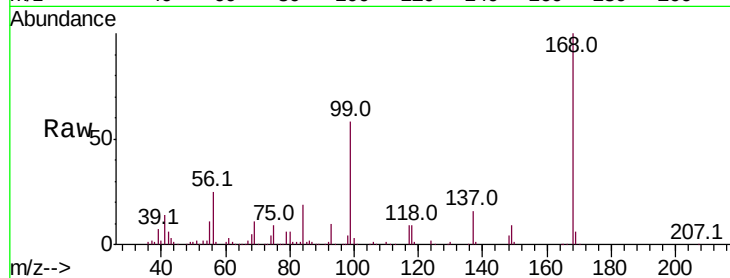
ClientSampled :

VSTDIC010

Tot Ion:	56	Resp:	61011
Ion Ratio	Lower	Upper	
56	100		
69	41.9	24.2	36.2#
84	74.8	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 9.992 ug/l

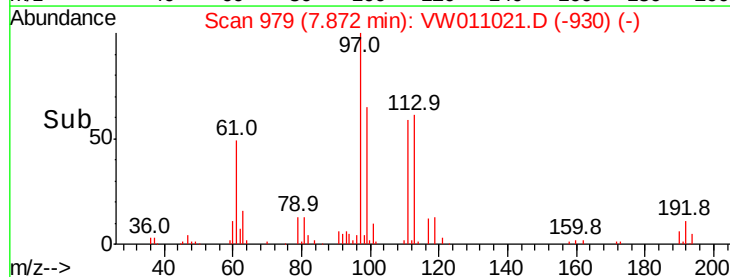
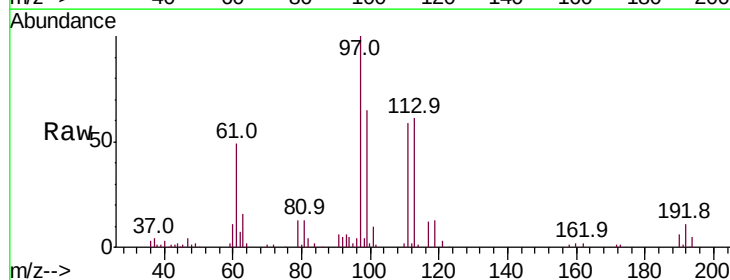
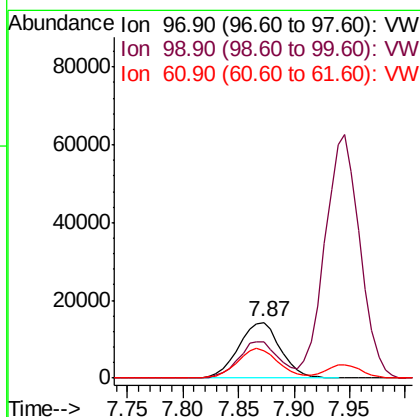
RT: 7.87 min Scan# 979

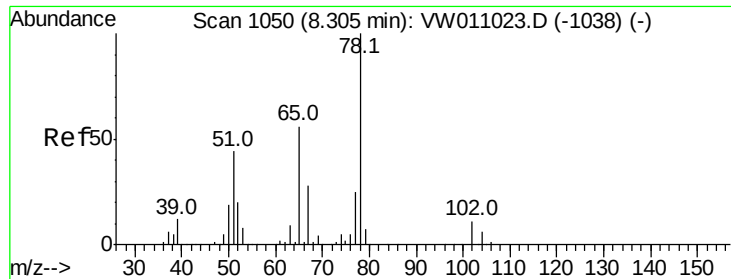
Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion:	97	Resp:	37307
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.1	76.7
61	53.1	41.4	62.2





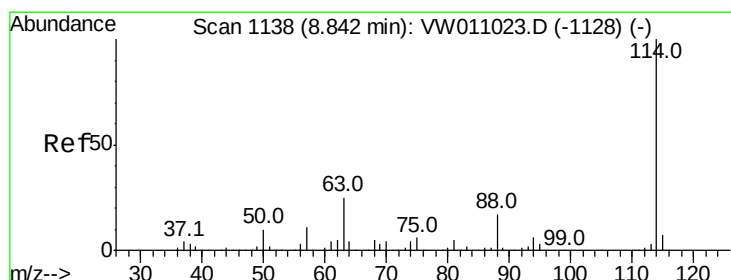
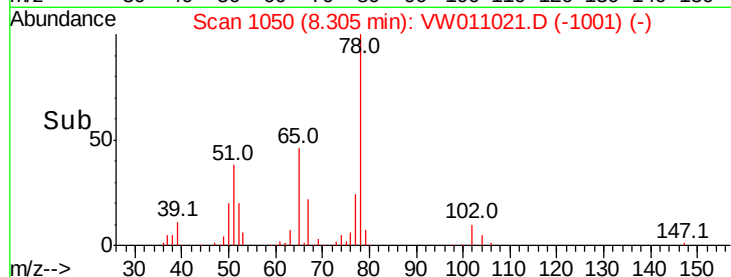
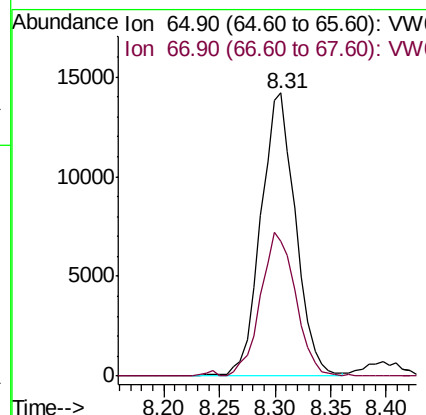
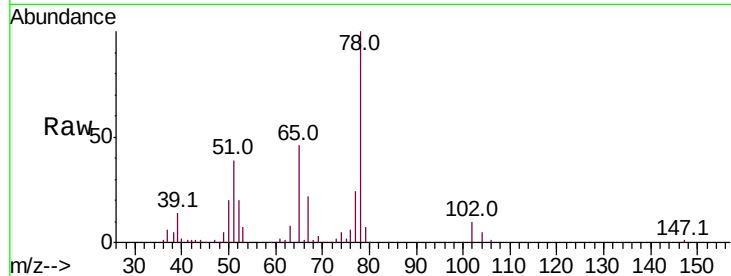
#33
 1,2-Dichloroethane-d4
 Concen: 11.351 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.1	0.0	102.4	

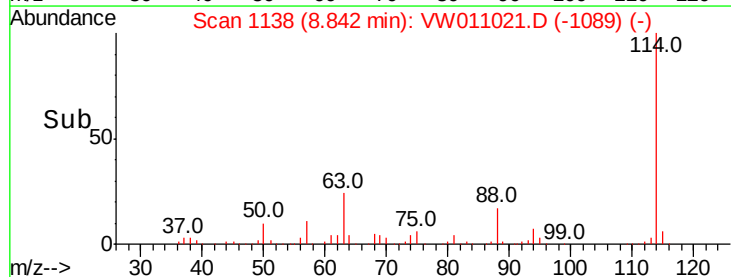
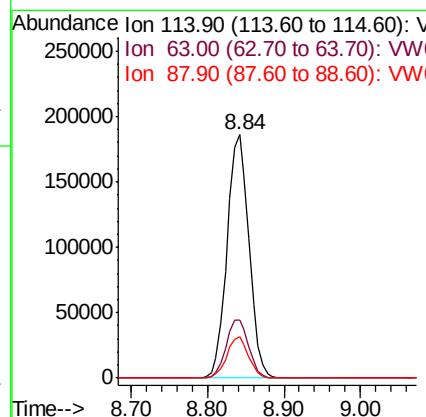
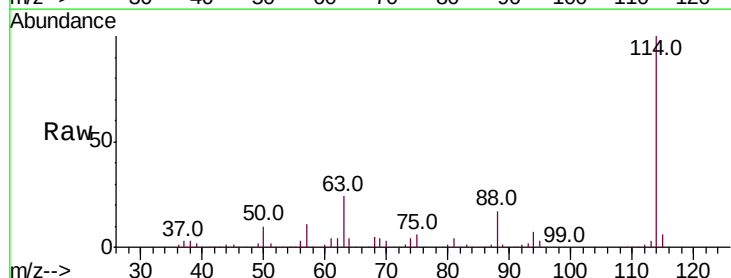
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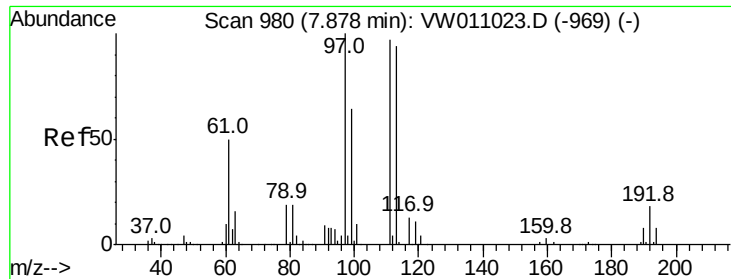
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.0	0.0	50.6	
88	16.8	0.0	34.0	





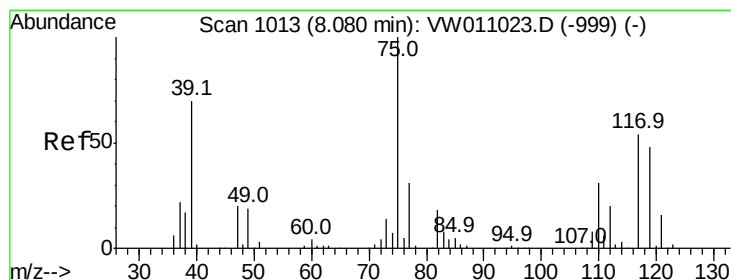
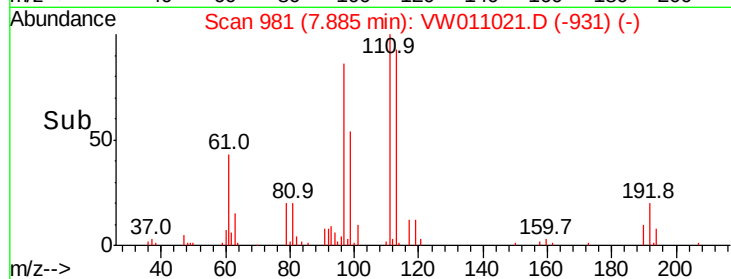
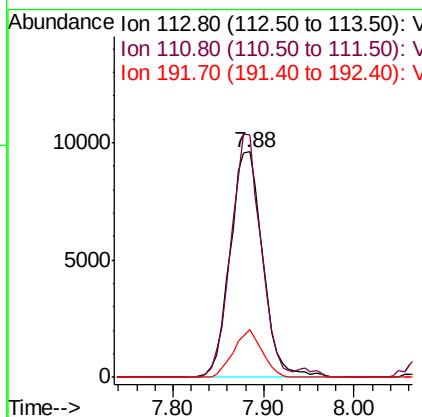
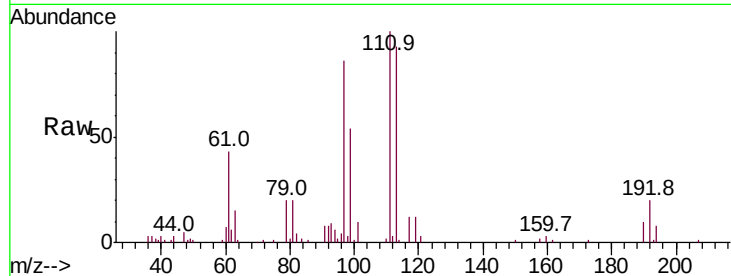
#35
 Dibromofluoromethane
 Concen: 11.560 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.2	83.8	125.6
192	18.5	16.0	24.0

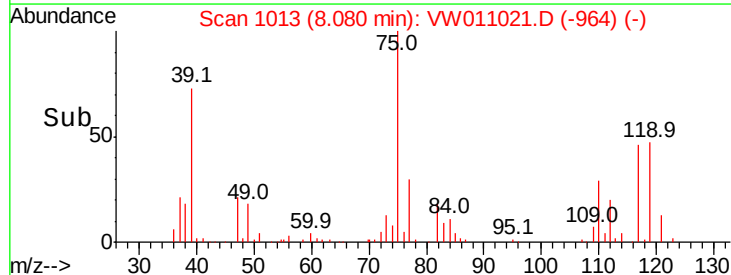
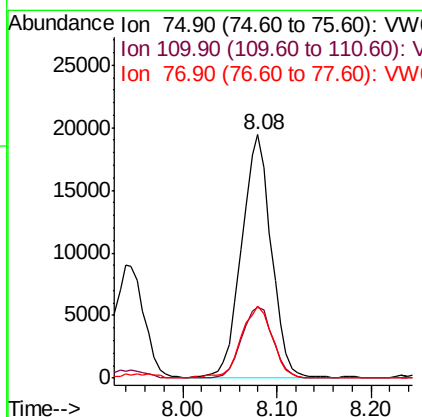
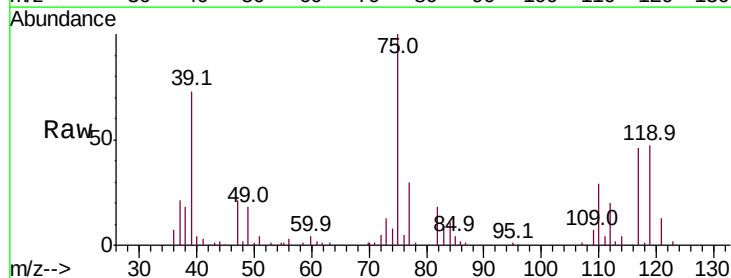
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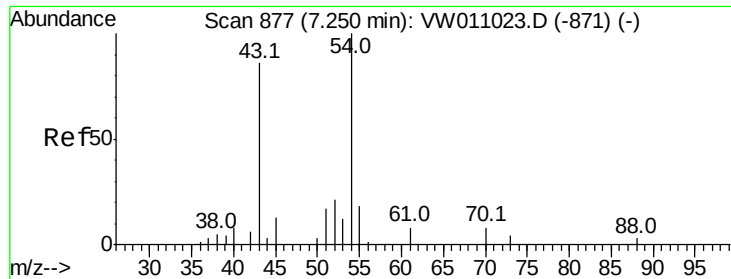
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#36
 1,1-Dichloropropene
 Concen: 11.172 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	15.5	46.5
77	31.4	24.9	37.3





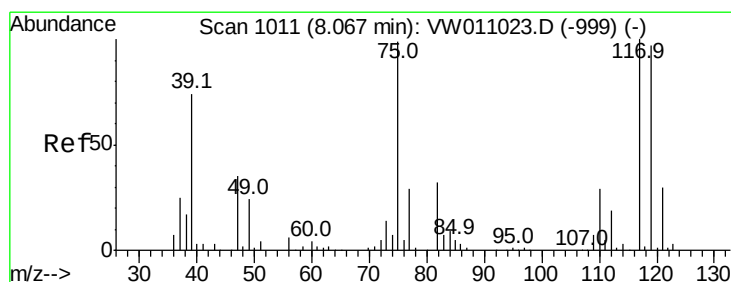
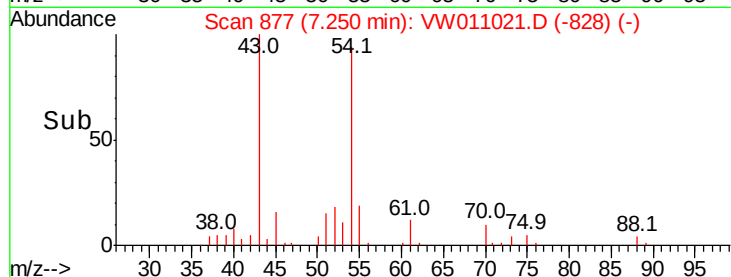
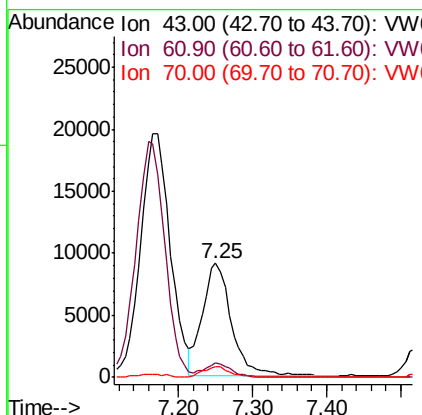
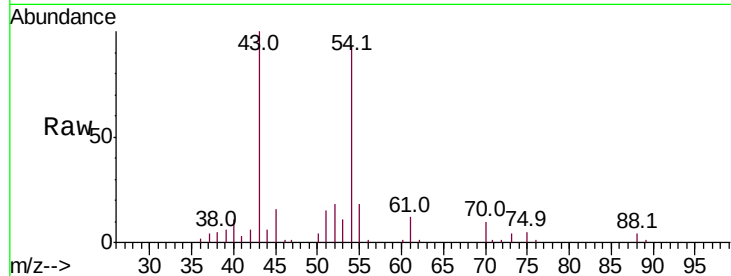
#37
Ethyl Acetate
Concen: 11.464 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 24506
Ion Ratio Lower Upper
43 100
61 11.7 9.0 13.4
70 9.0 7.2 10.8

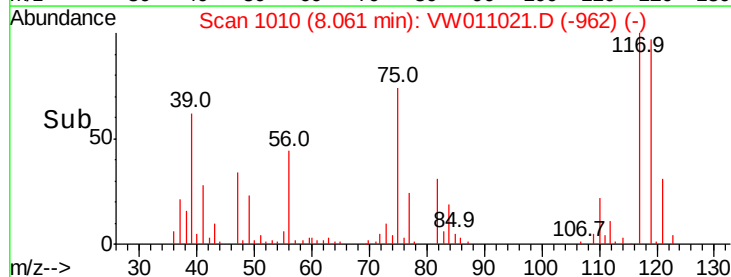
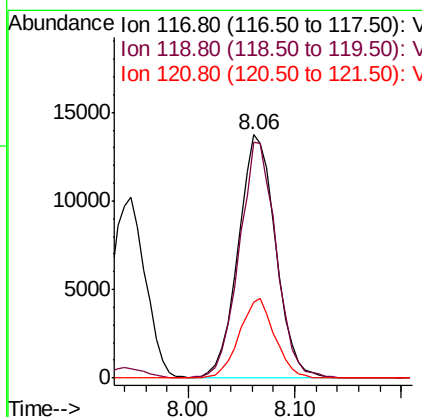
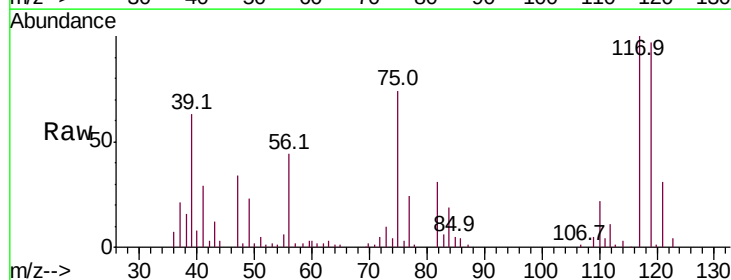
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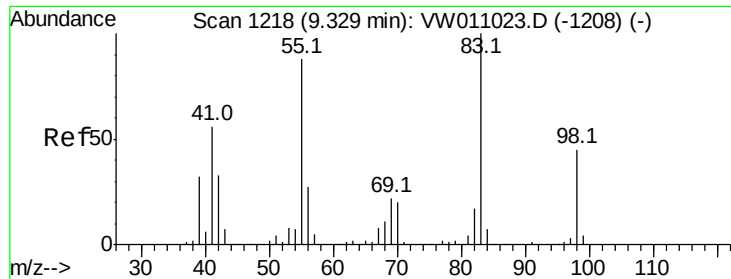
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#38
Carbon Tetrachloride
Concen: 10.420 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 117 Resp: 33882
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5
121 31.3 23.9 35.9





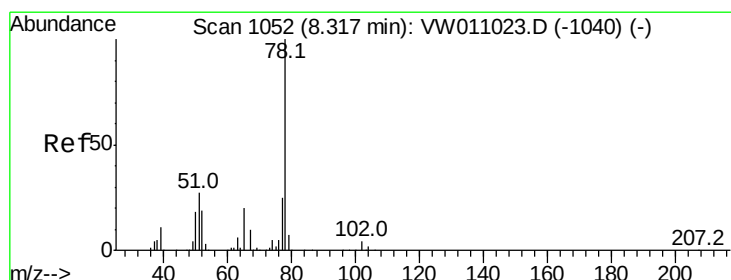
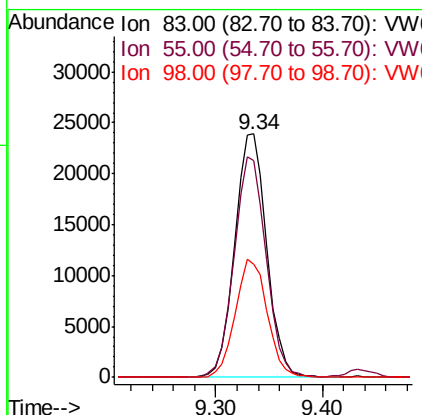
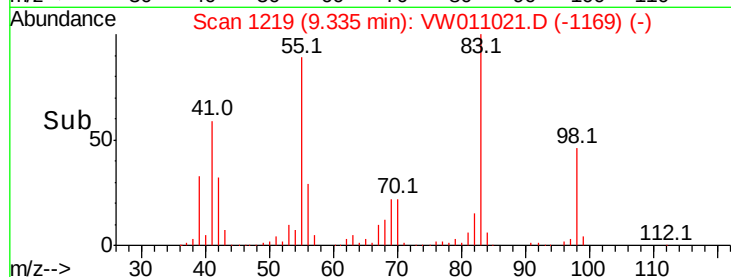
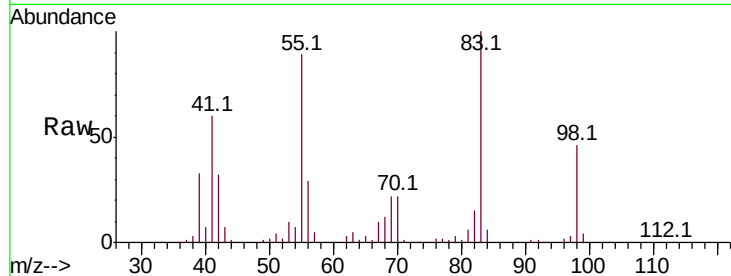
#39
Methylvlcyclohexane
Concen: 10.499 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	50362
Ion	Ratio	Lower	Upper
83	100		
55	89.2	70.7	106.1
98	46.3	36.4	54.6

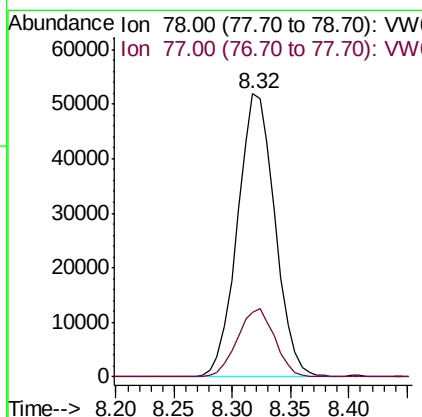
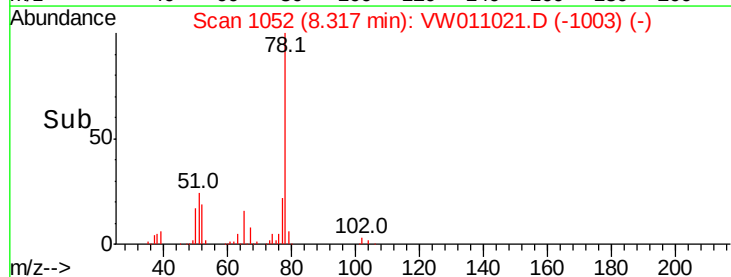
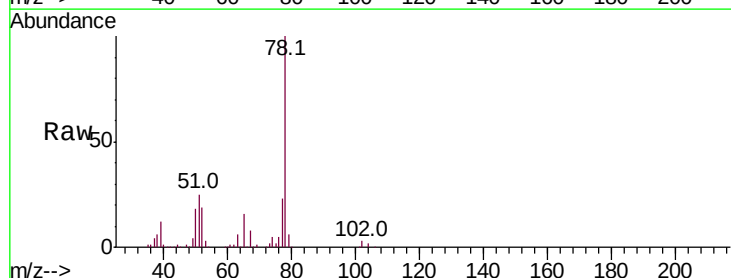
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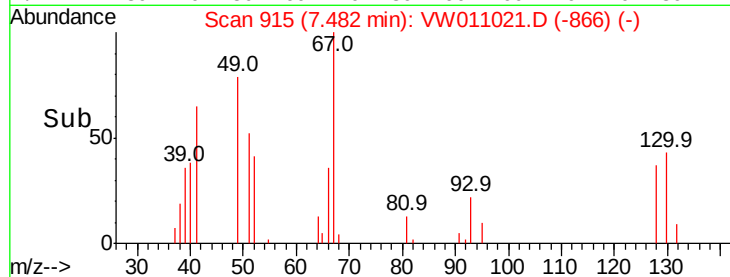
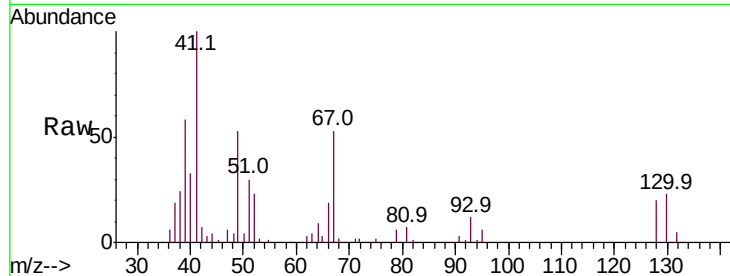
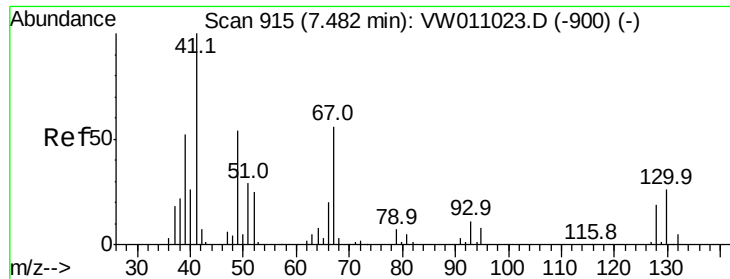
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#40
Benzene
Concen: 11.190 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	78	Resp	116327
Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.7	29.5





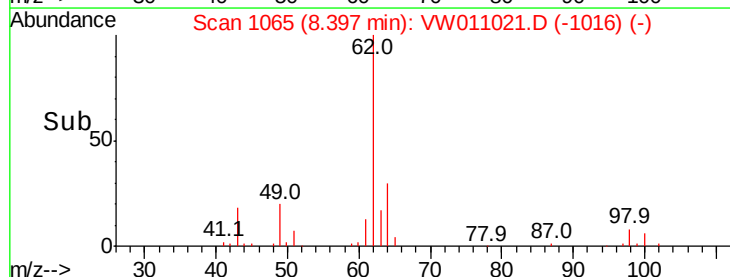
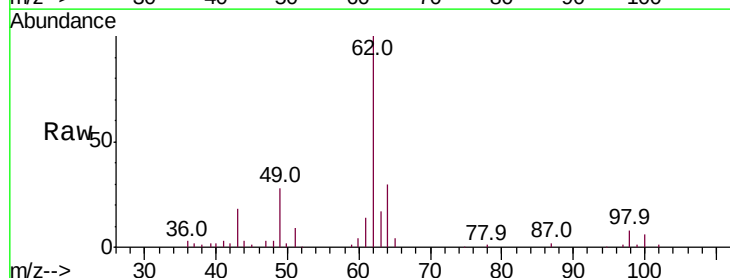
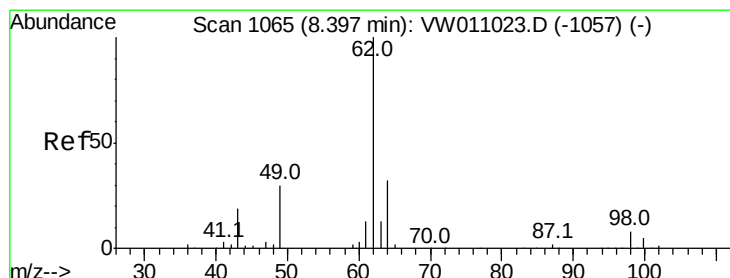
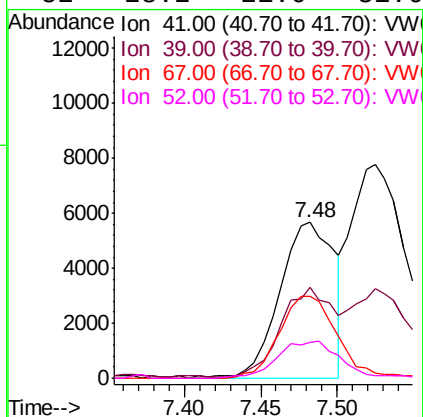
#41
Methacrylonitrile
Concen: 11.041 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tot Ion	41	Resp	14097
Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.1	63.1
67	56.2	44.2	66.2
52	28.2	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

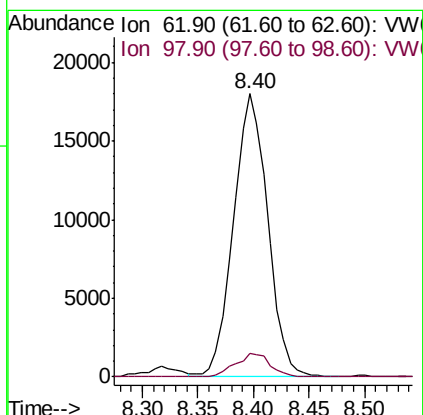
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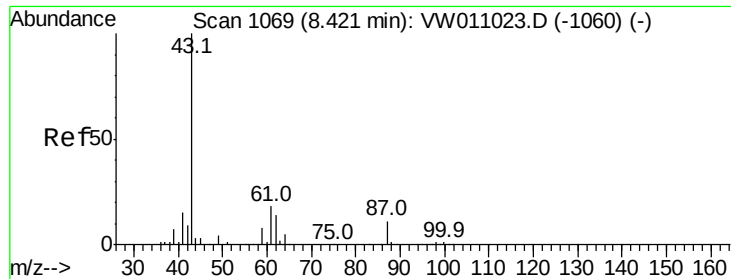
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#42
1,2-Dichloroethane
Concen: 11.604 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	62	Resp	38426
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 10.730 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

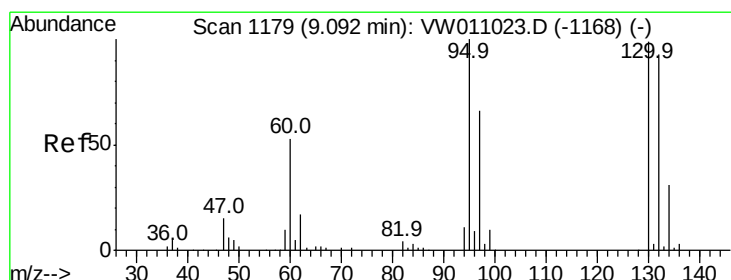
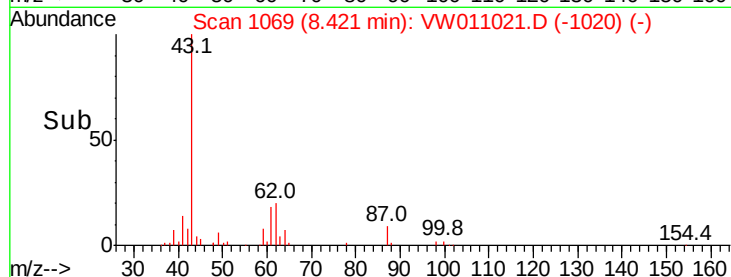
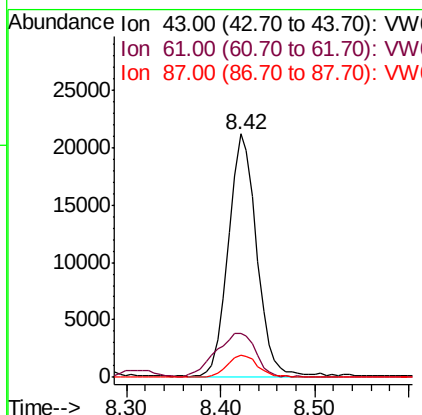
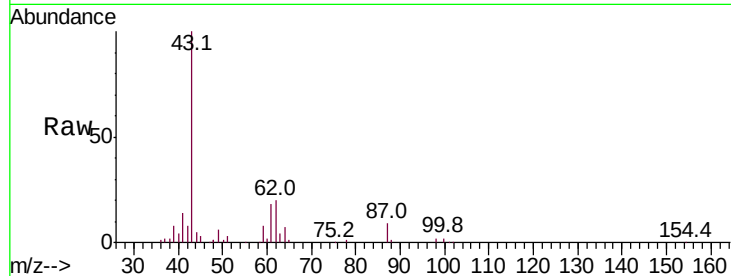
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	44012
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.0	31.6
87	9.9	8.2	12.4

Manual Integrations
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6/28/2019 10:24:54 AM



#44

Trichloroethene

Concen: 10.826 ug/l

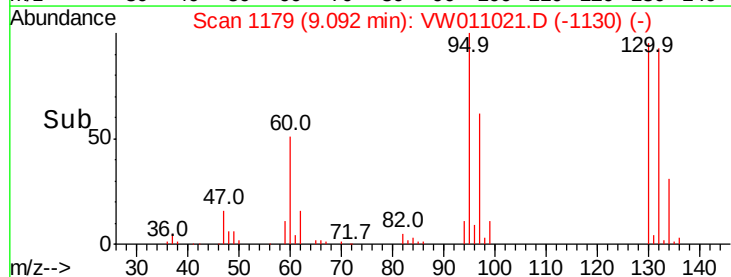
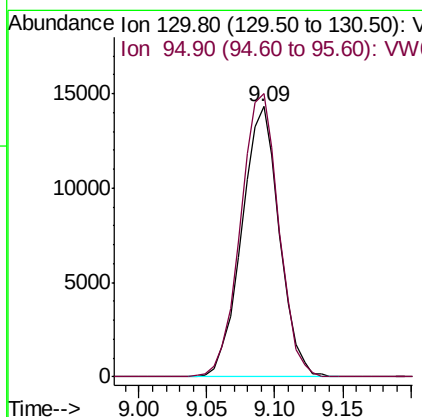
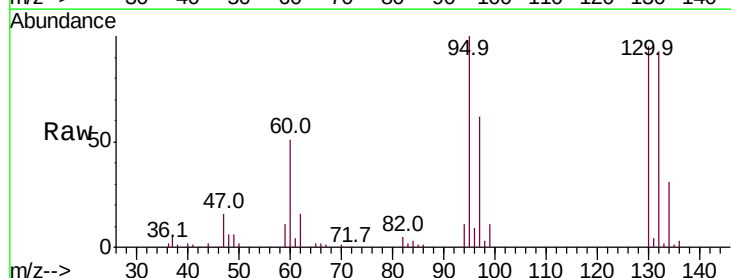
RT: 9.09 min Scan# 1179

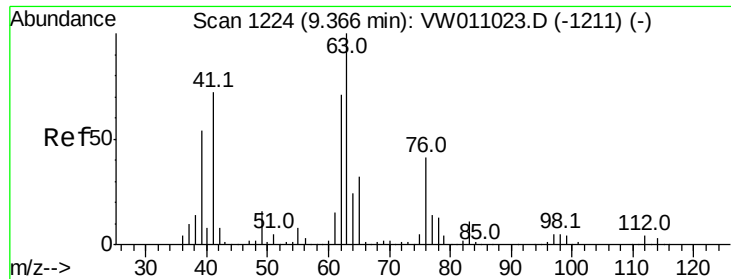
Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion:	130	Resp:	27657
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	202.0





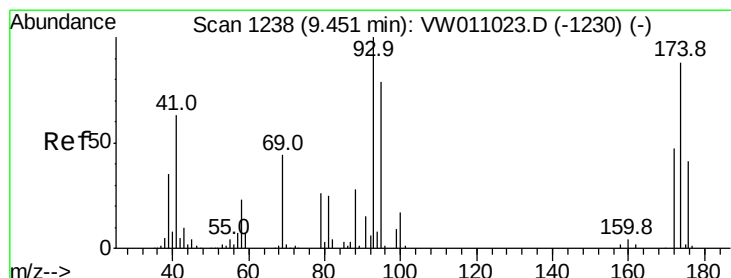
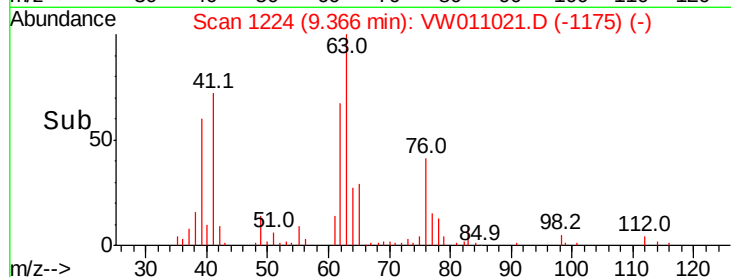
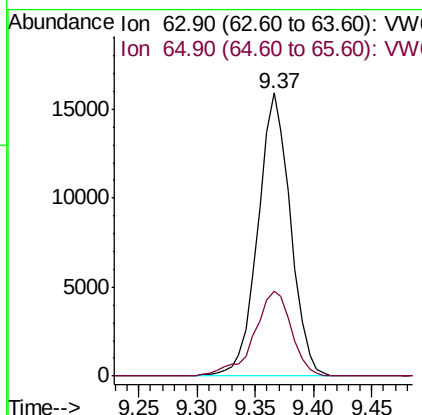
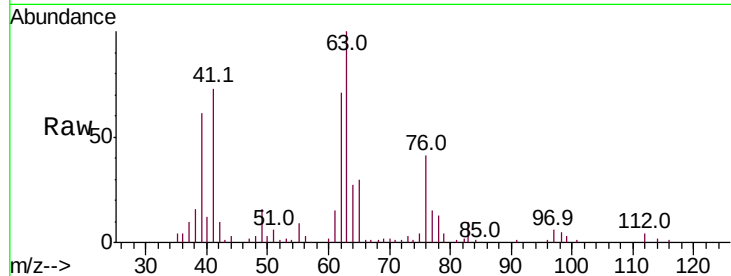
#45
 1,2-Dichloropropane
 Concen: 11.222 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 30953
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.6 38.4

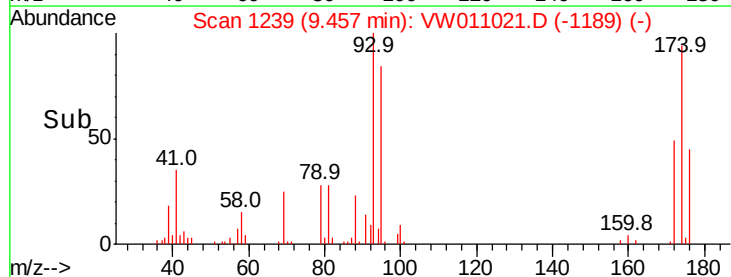
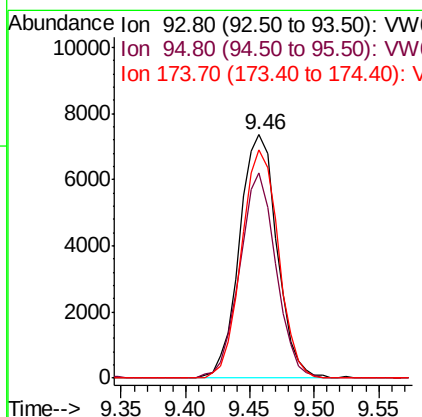
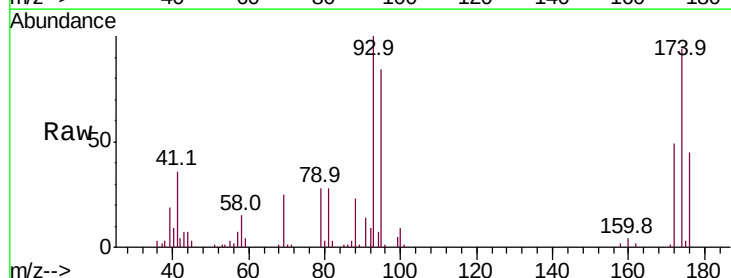
Manual Integrations
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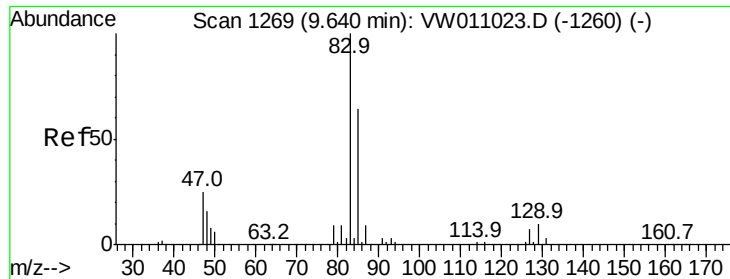
MMDadoda
 6/28/2019 10:24:54 AM



#46
 Dibromomethane
 Concen: 11.544 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion: 93 Resp: 14824
 Ion Ratio Lower Upper
 93 100
 95 81.1 65.8 98.6
 174 92.3 75.4 113.0





#47

Bromodichloromethane

Concen: 10.649 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

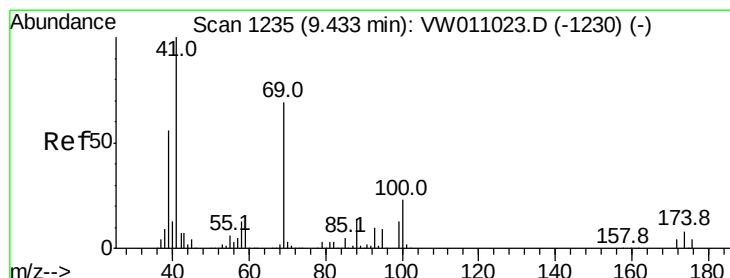
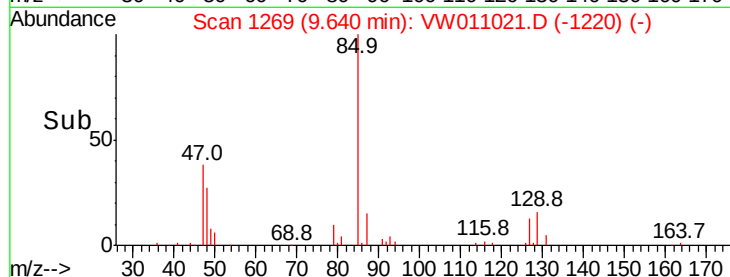
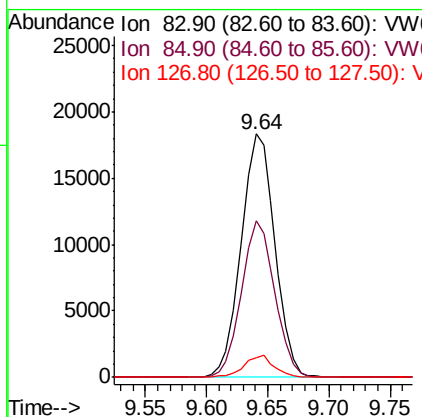
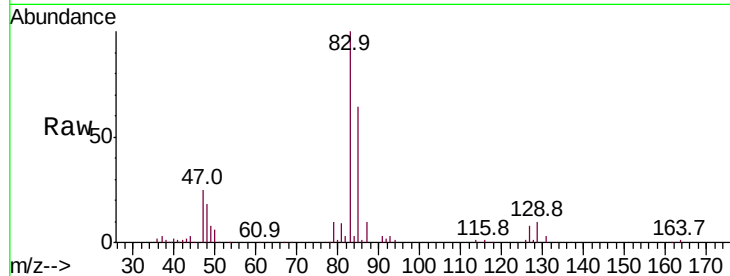
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	35137
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.0	76.4
127	8.3	5.8	8.8

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#48

Methyl methacrylate

Concen: 10.525 ug/l

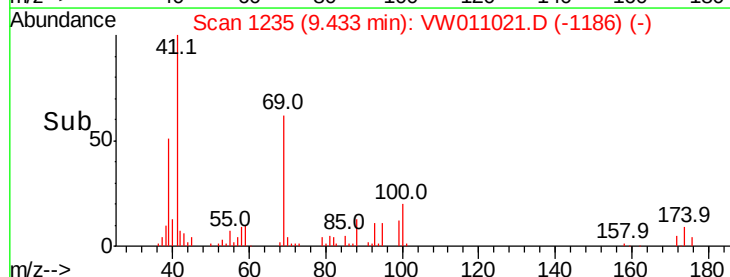
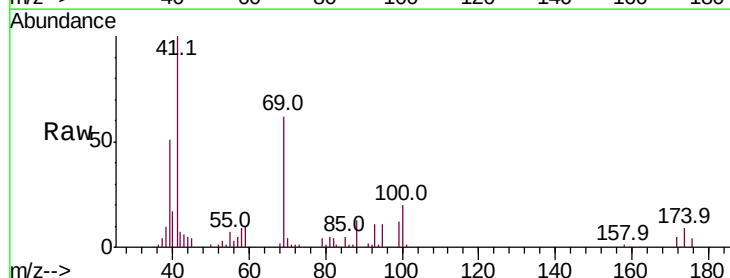
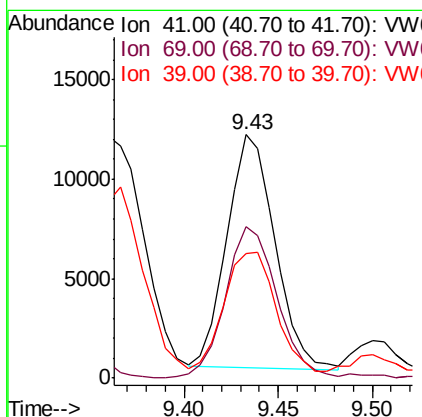
RT: 9.43 min Scan# 1235

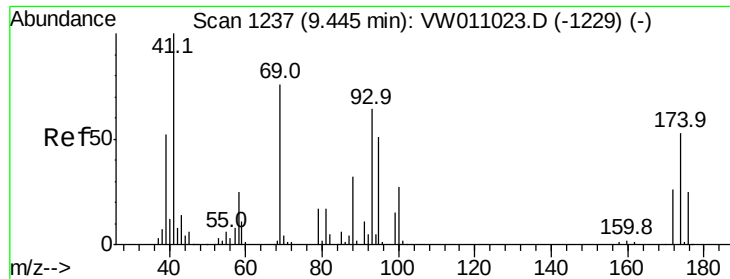
Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion:	41	Resp:	20819
Ion Ratio	Lower	Upper	
41	100		
69	70.7	56.7	85.1
39	59.9	45.0	67.6





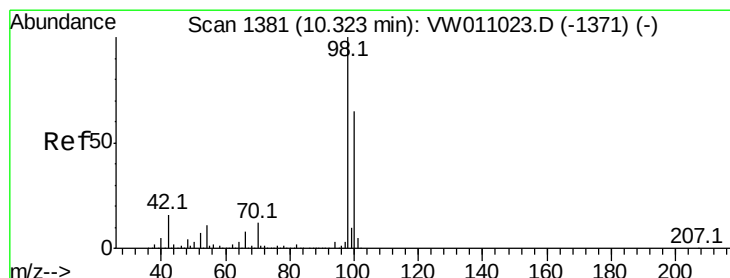
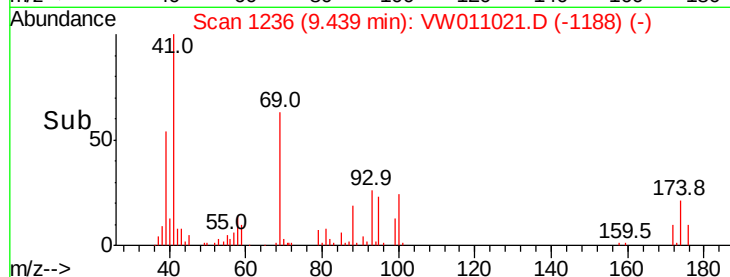
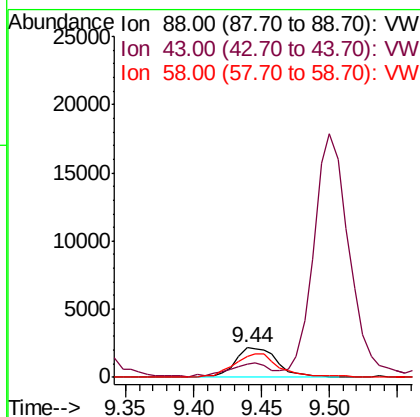
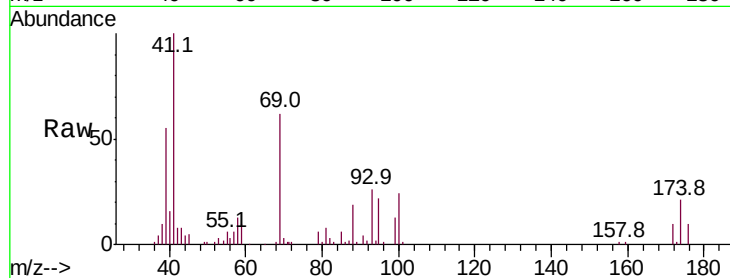
#49
1,4-Dioxane
Concen: 228.086 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	4719
Ion	Ratio	Lower	Upper
88	100		
43	41.4	34.4	51.6
58	83.7	65.2	97.8

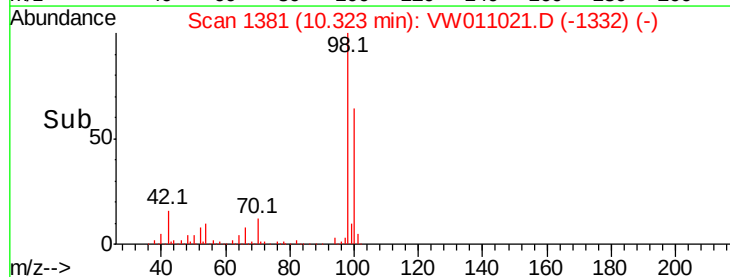
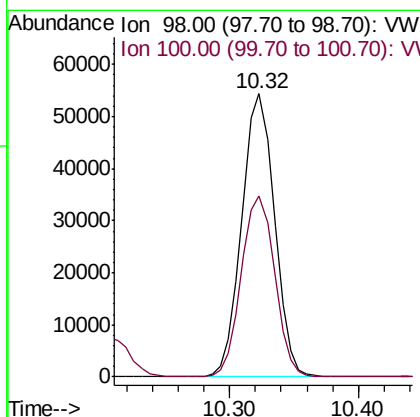
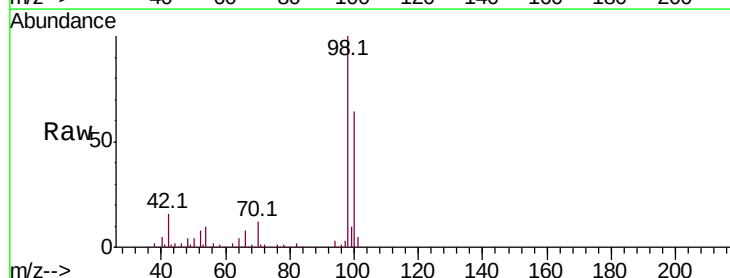
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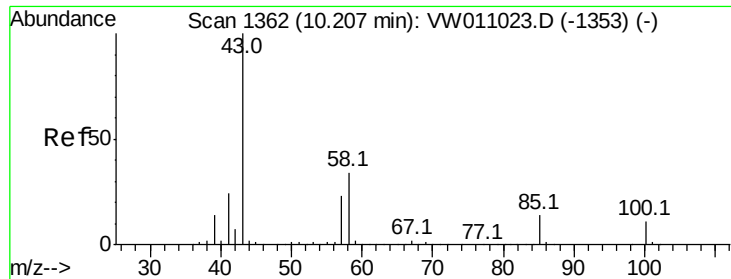
MMDadoda
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#50
Toluene-d8
Concen: 10.545 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	98	Resp	95994
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 54.459 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 114994

Ion Ratio Lower Upper

43 100

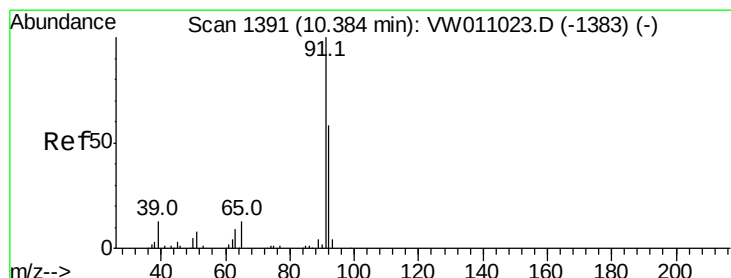
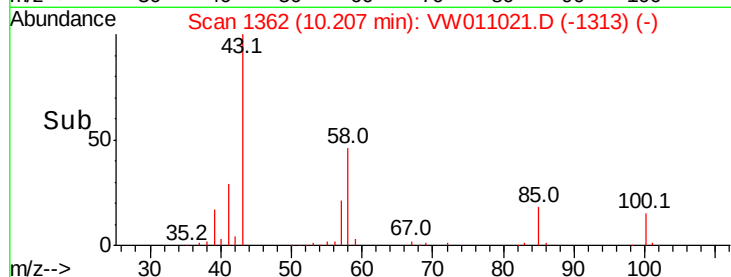
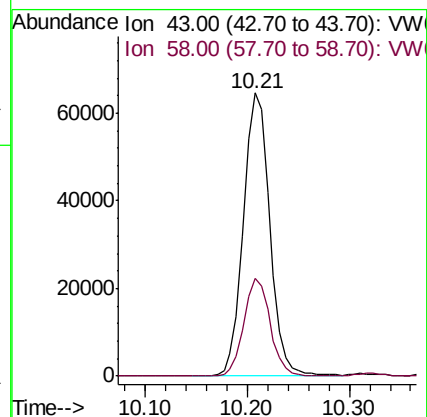
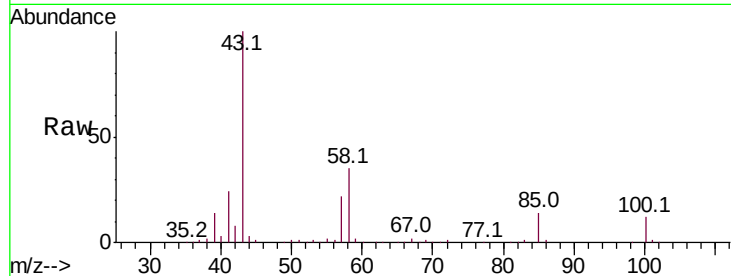
58 34.7 27.8 41.6

Manual Integrations

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6/28/2019 10:24:54 AM



#52

Toluene

Concen: 10.924 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011021.D

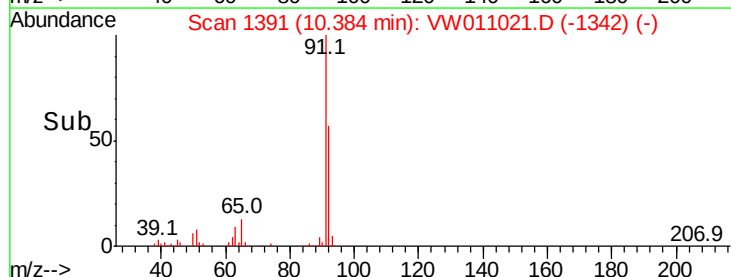
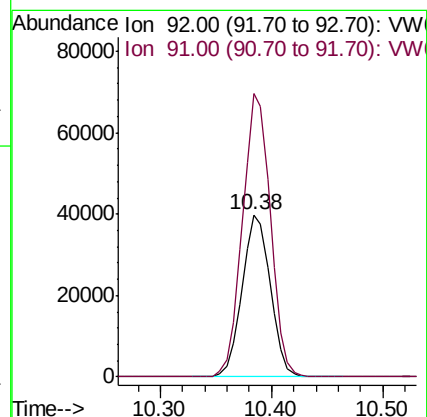
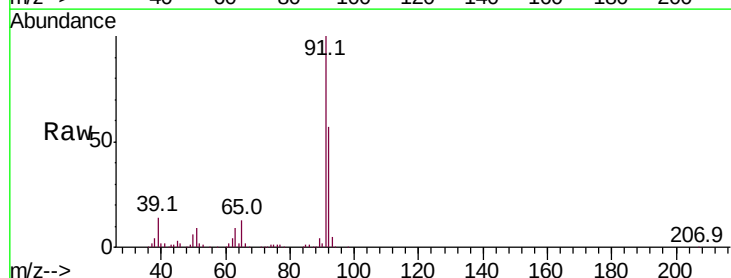
Acq: 27 Jun 2019 15:28

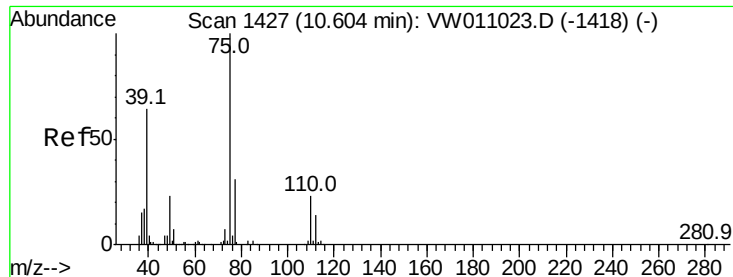
Tgt Ion: 92 Resp: 69779

Ion Ratio Lower Upper

92 100

91 173.6 136.9 205.3





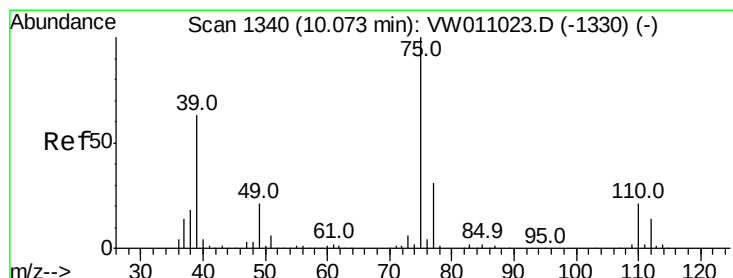
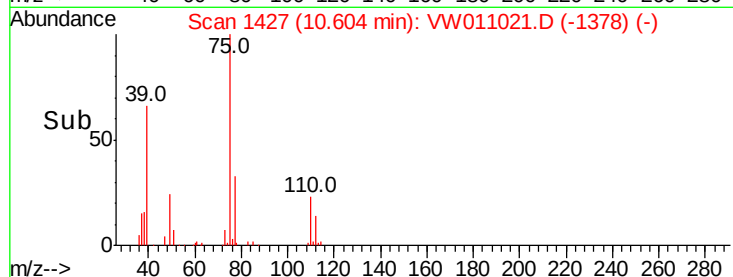
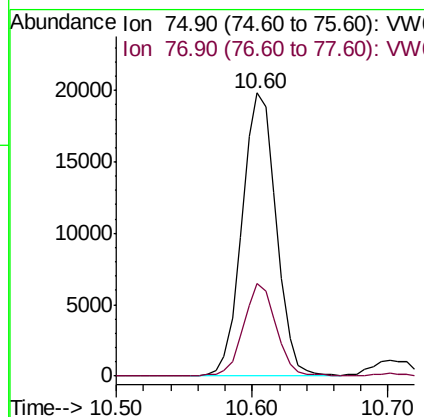
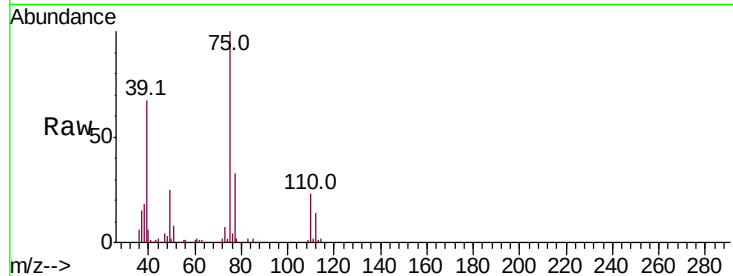
#53
t-1,3-Dichloropropene
Concen: 9.970 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 34817
Ion Ratio Lower Upper
75 100
77 32.8 24.6 37.0

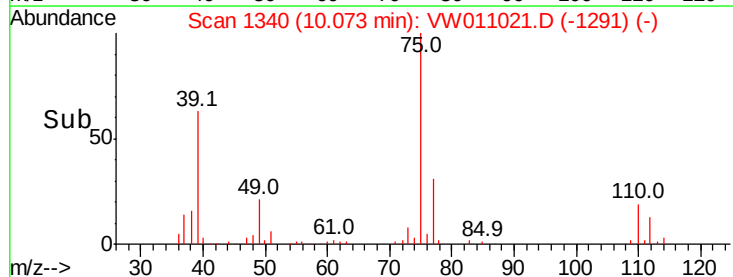
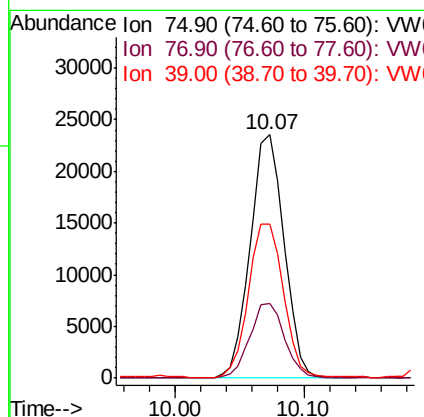
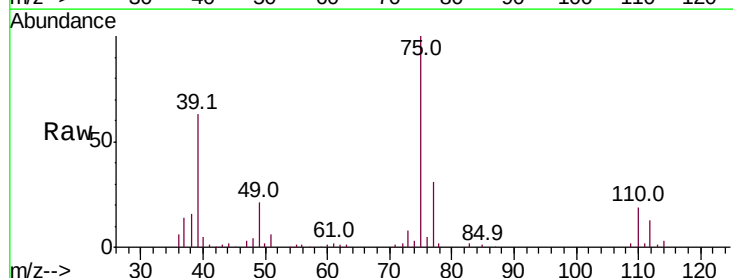
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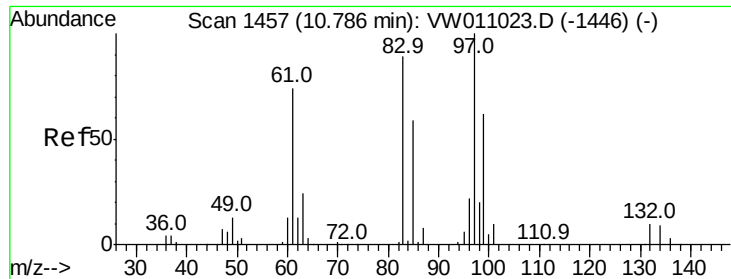
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#54
cis-1,3-Dichloropropene
Concen: 10.382 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 75 Resp: 42775
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2
39 63.3 50.0 75.0





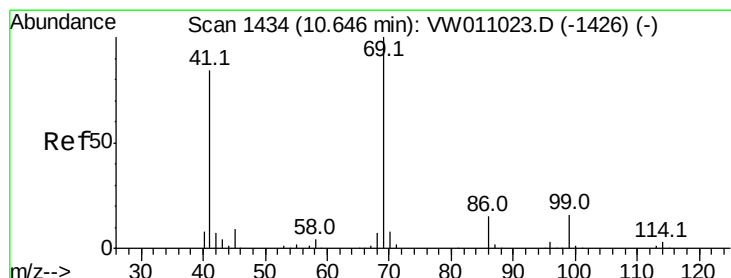
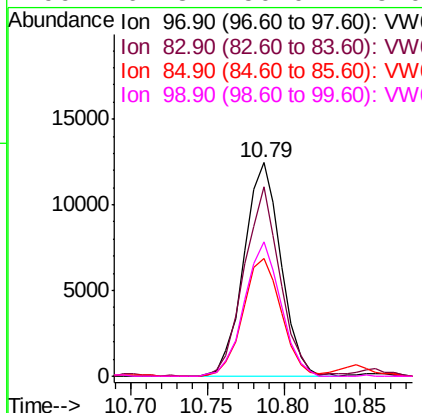
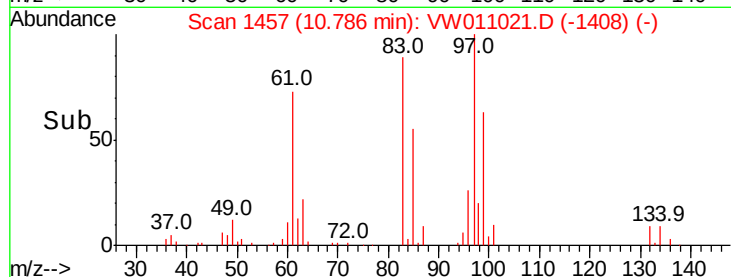
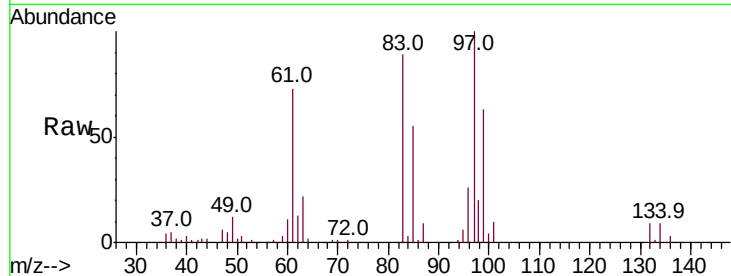
#55
1,1,2-Trichloroethane
Concen: 11.342 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	97	Resp	20951
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	55.0	47.2	70.8
99	62.8	50.0	75.0

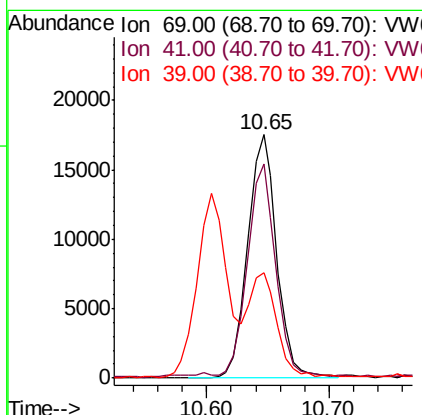
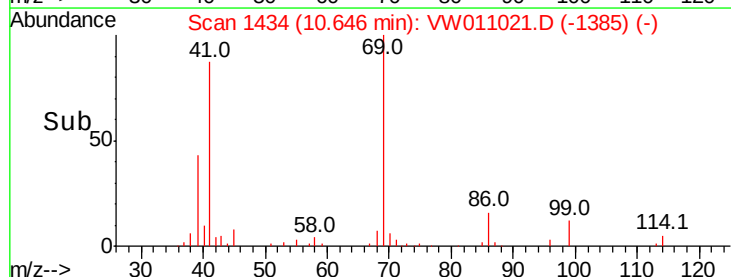
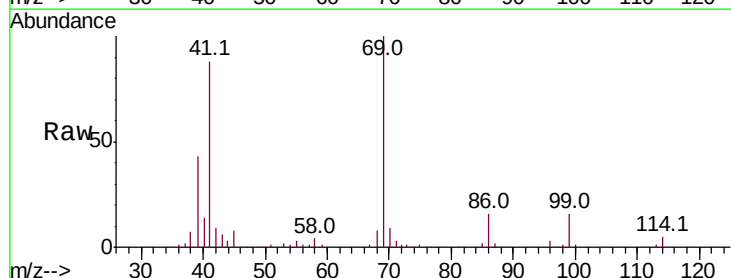
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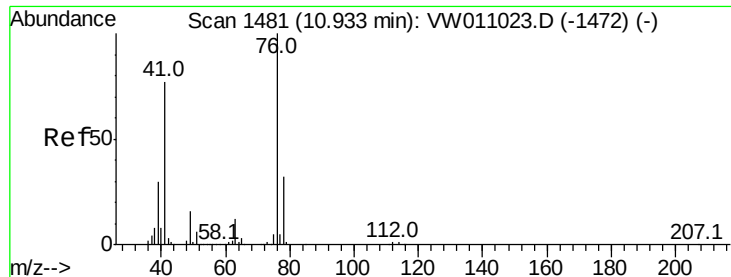
MMDadoda
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#56
Ethyl methacrylate
Concen: 10.264 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	69	Resp	29044
Ion	Ratio	Lower	Upper
69	100		
41	83.9	67.9	101.9
39	39.6	33.2	49.8





#57

1,3-Dichloropropane

Concen: 11.207 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 76 Resp: 38992

Ion Ratio Lower Upper

76 100

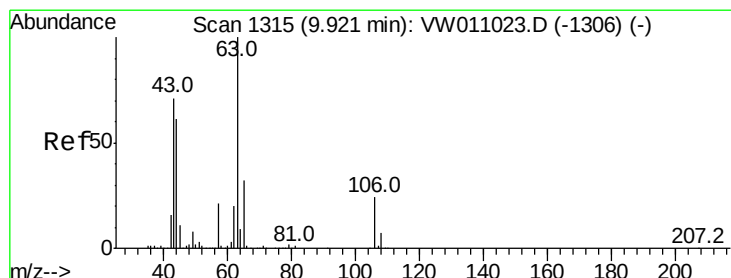
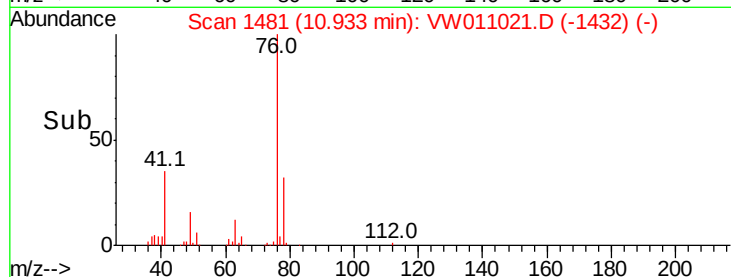
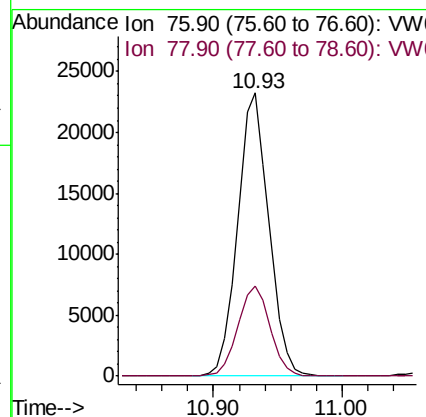
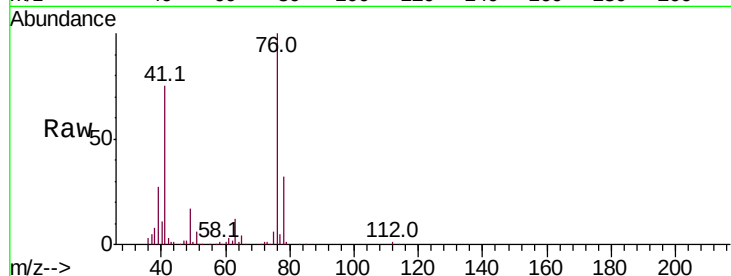
78 32.8 25.8 38.6

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6/28/2019 10:24:54 AM



#58

2-Chloroethyl Vinyl ether

Concen: 51.074 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011021.D

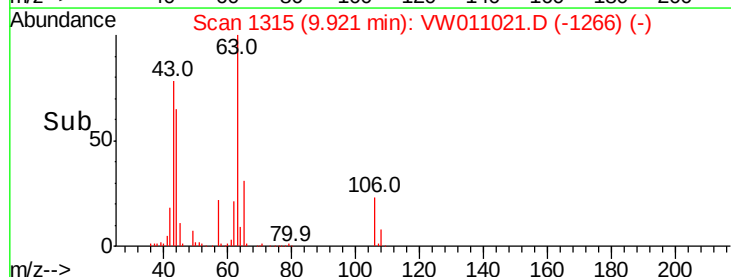
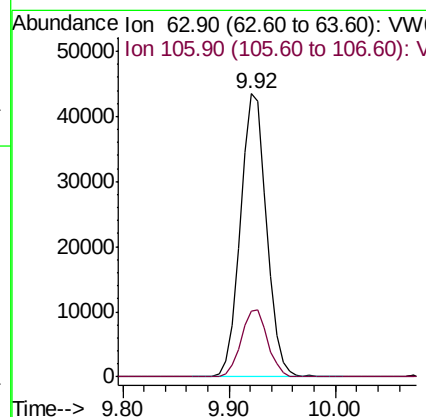
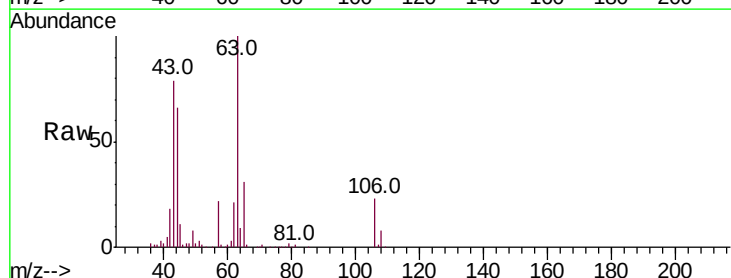
Acq: 27 Jun 2019 15:28

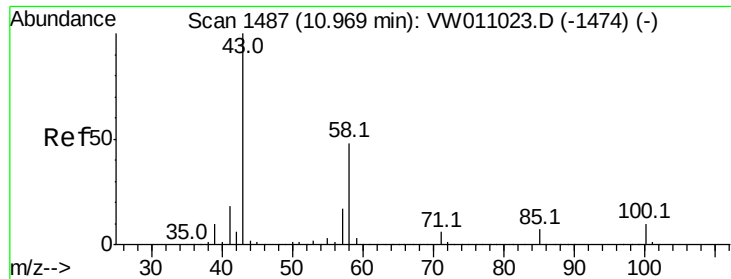
Tgt Ion: 63 Resp: 75278

Ion Ratio Lower Upper

63 100

106 23.9 19.4 29.0





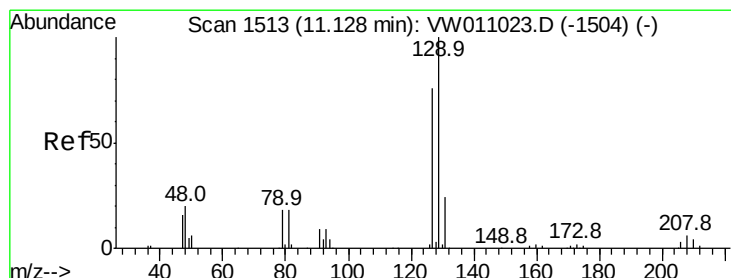
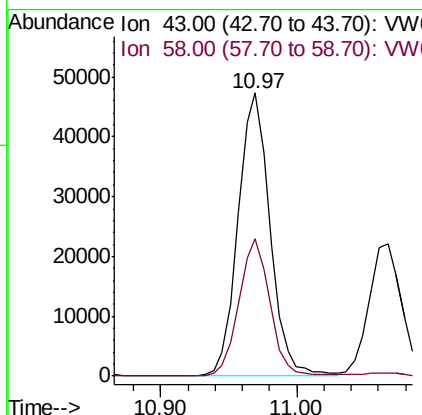
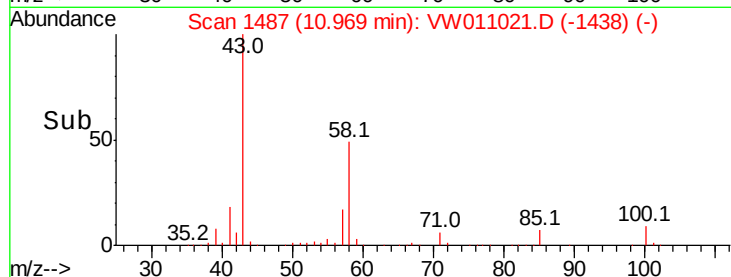
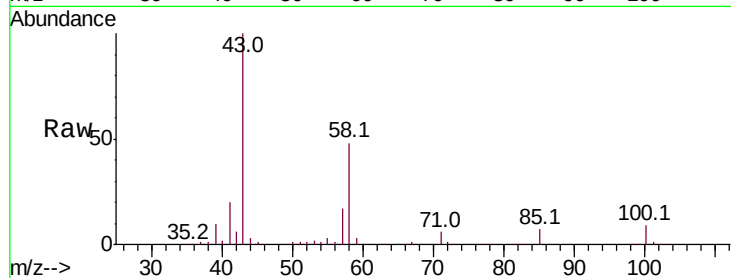
#59
2-Hexanone
Concen: 51.385 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 77998
Ion Ratio Lower Upper
43 100
58 47.2 23.8 71.5

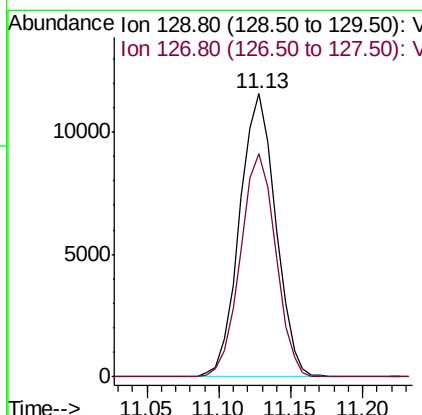
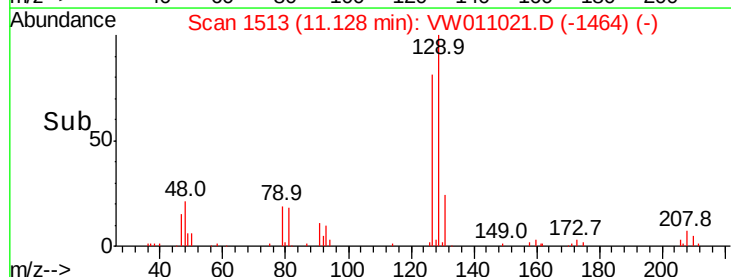
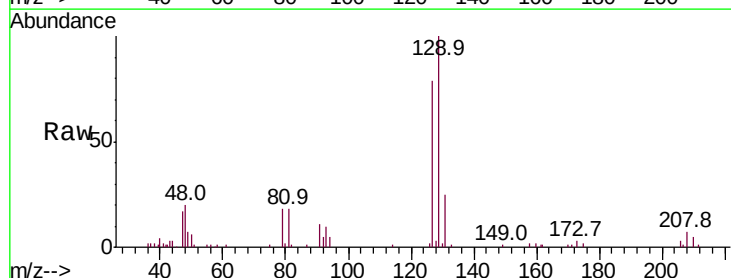
Manual Integrations
APPROVED

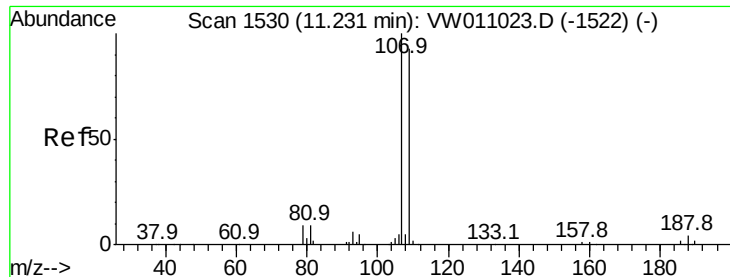
MMDadoda
6/28/2019 10:24:54 AM



#60
Dibromochloromethane
Concen: 9.944 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 129 Resp: 20118
Ion Ratio Lower Upper
129 100
127 76.8 39.4 118.1





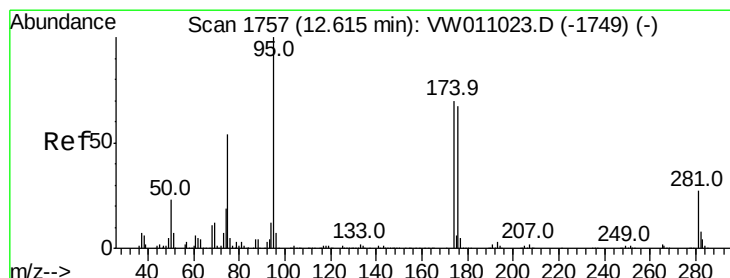
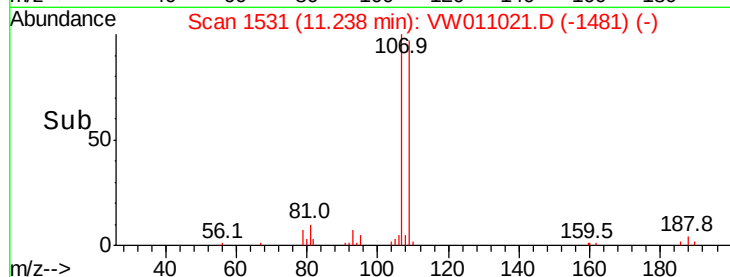
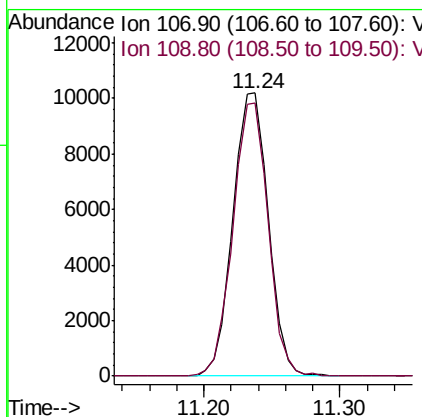
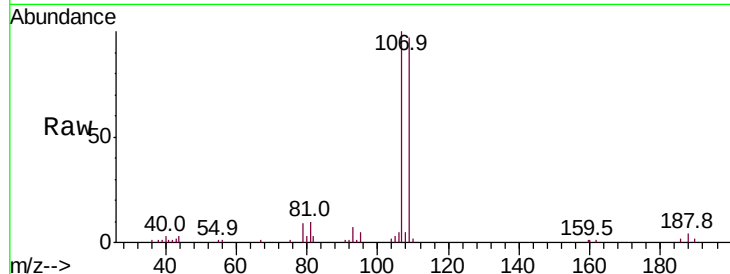
#61
 1,2-Dibromoethane
 Concen: 10.638 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.1	112.7

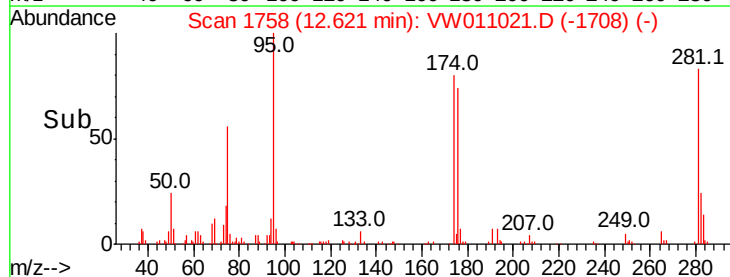
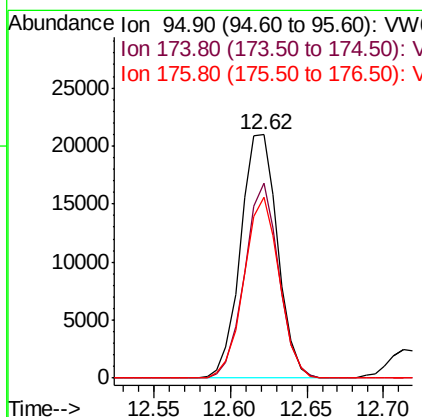
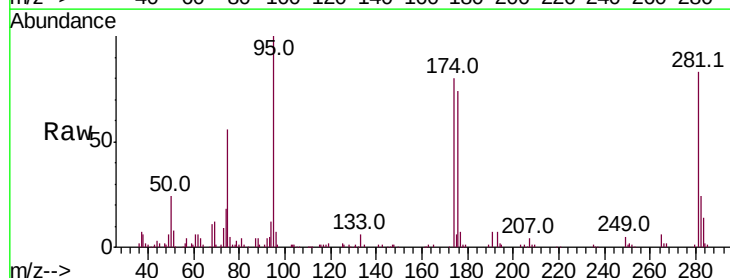
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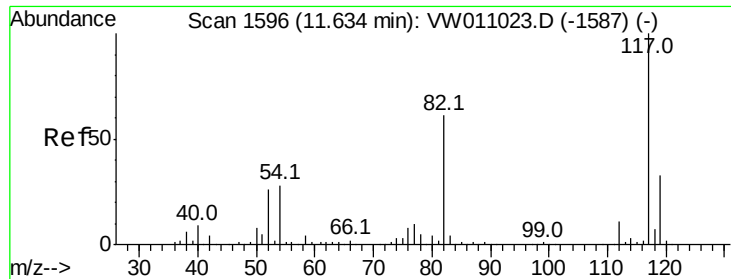
MMDadoda
 6/28/2019 10:24:54 AM



#62
 4-Bromofluorobenzene
 Concen: 10.636 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	149.2
176	71.0	0.0	143.6





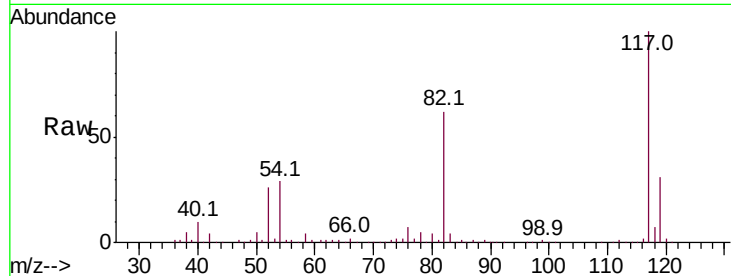
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	325900		
82	61.7	48.6	73.0	
119	30.8	26.1	39.1	

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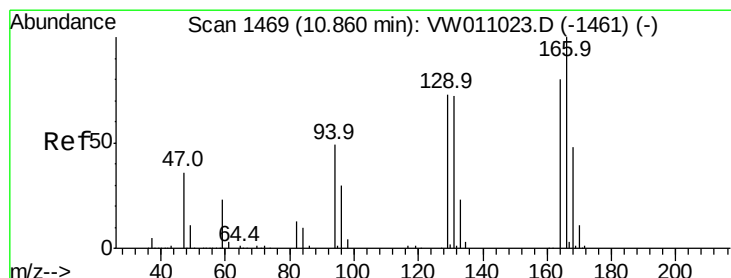
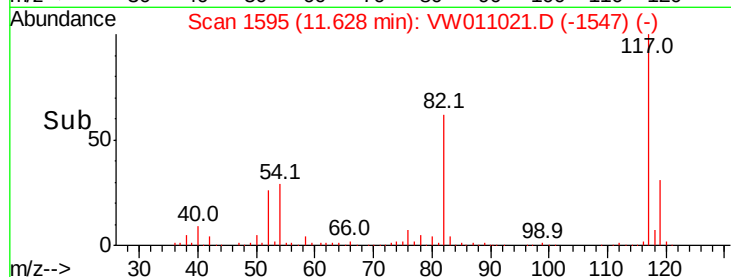
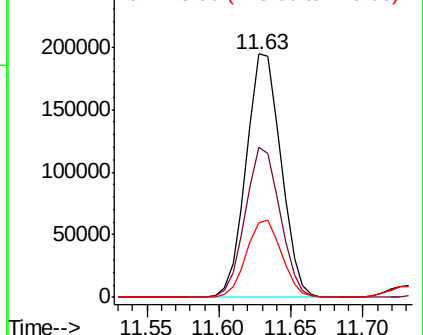


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 11.095 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24138		
166	126.2	99.8	149.6	
129	97.0	73.0	109.4	
131	90.3	71.4	107.0	

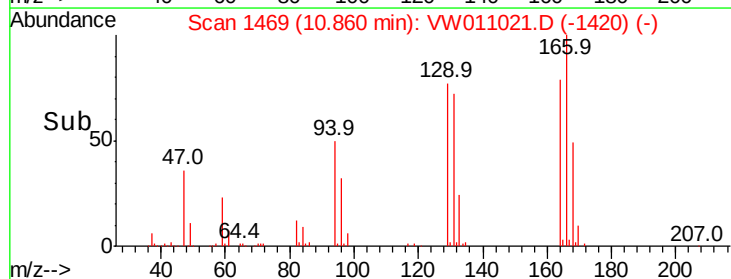
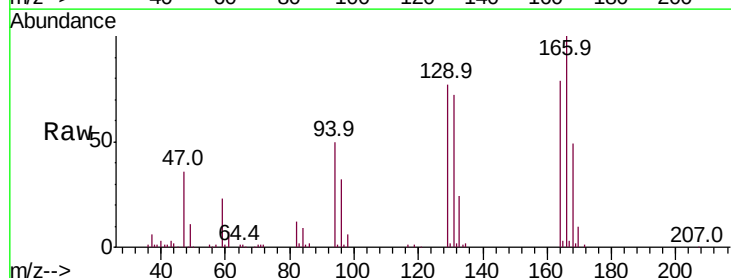
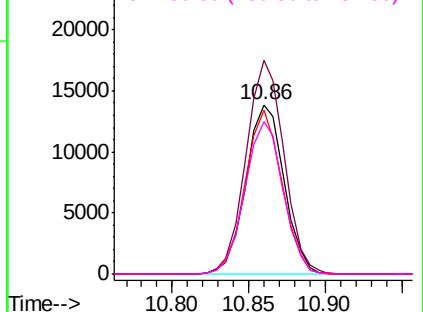
Abundance

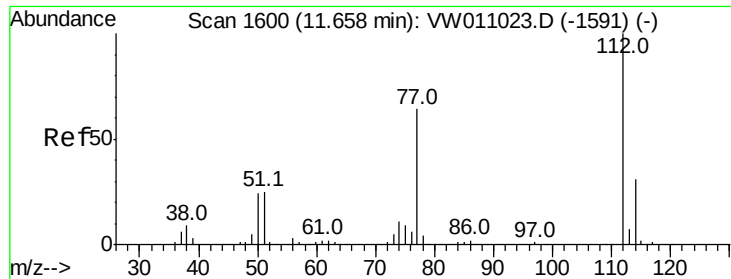
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





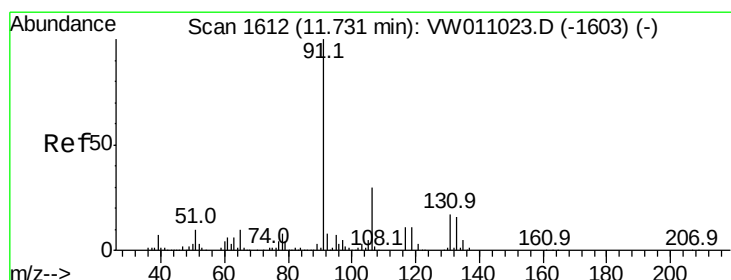
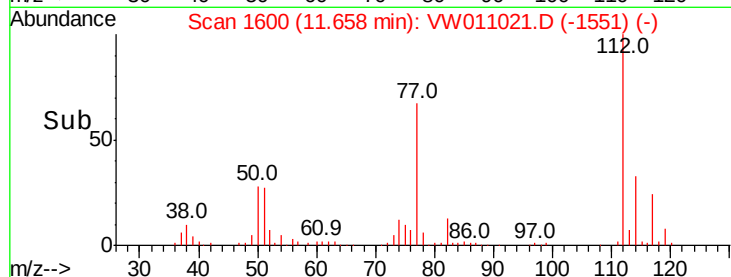
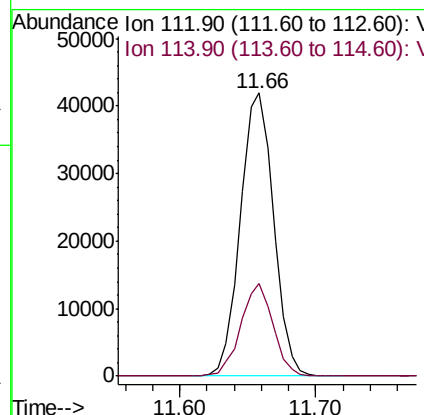
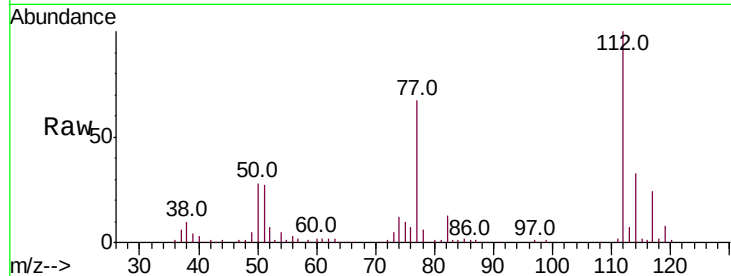
#65
Chlorobenzene
Concen: 11.089 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 71603
Ion Ratio Lower Upper
112 100
114 32.7 25.2 37.8

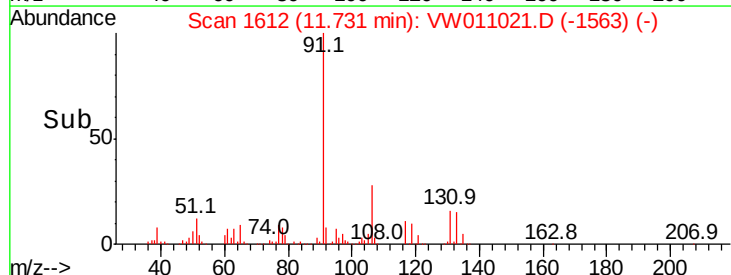
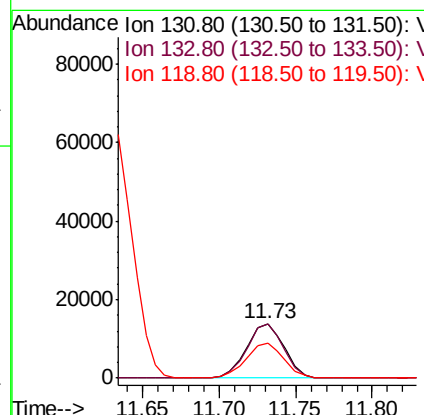
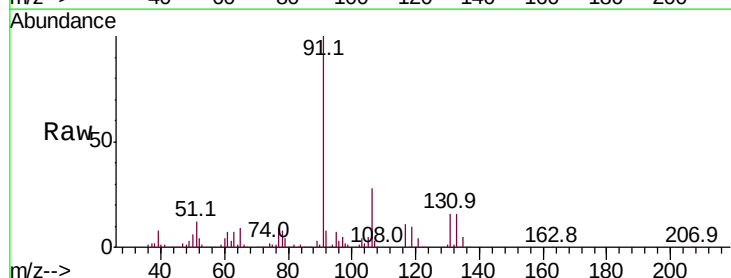
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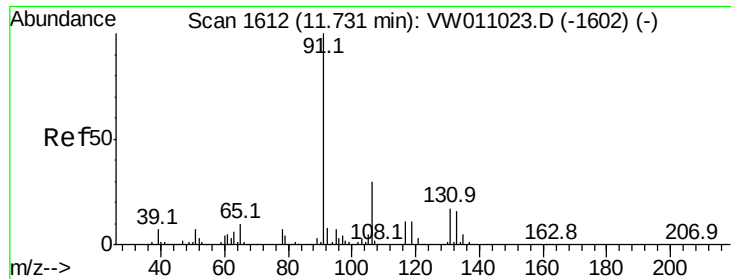
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion:131 Resp: 23514
Ion Ratio Lower Upper
131 100
133 97.8 47.7 143.1
119 64.8 33.1 99.2





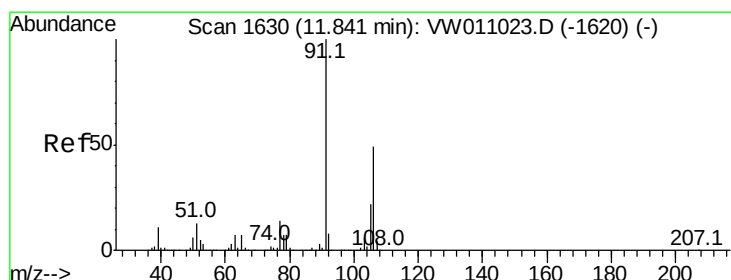
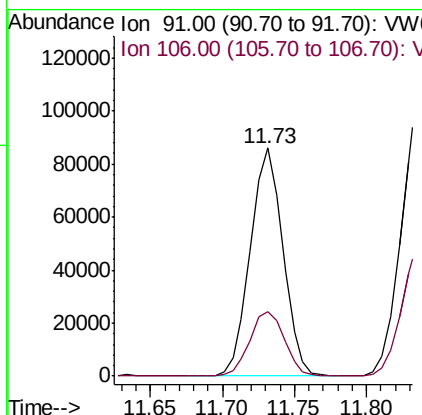
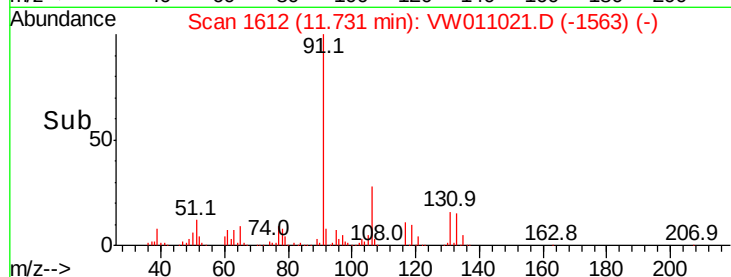
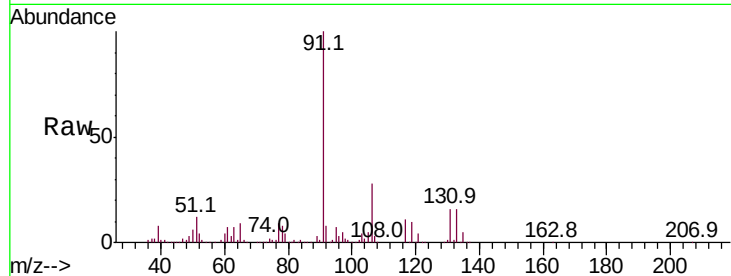
#67
Ethyl Benzene
Concen: 10.870 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 134905
Ion Ratio Lower Upper
91 100
106 28.5 23.8 35.6

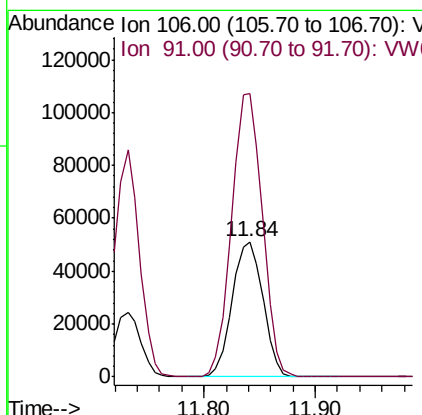
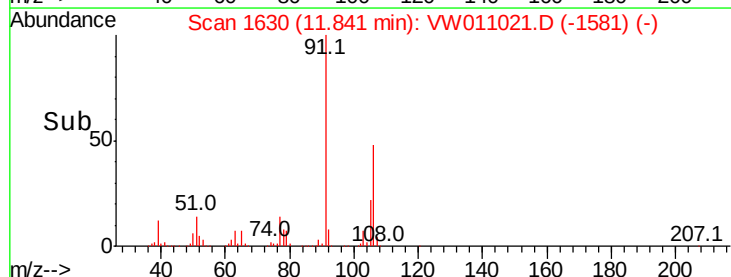
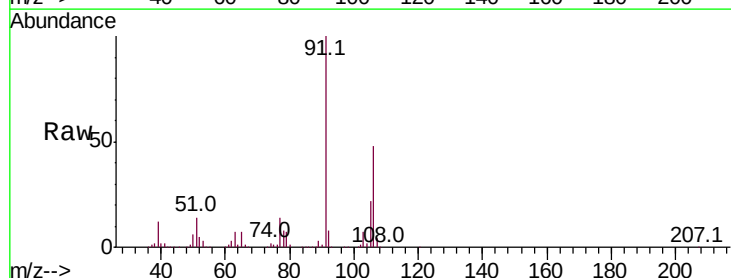
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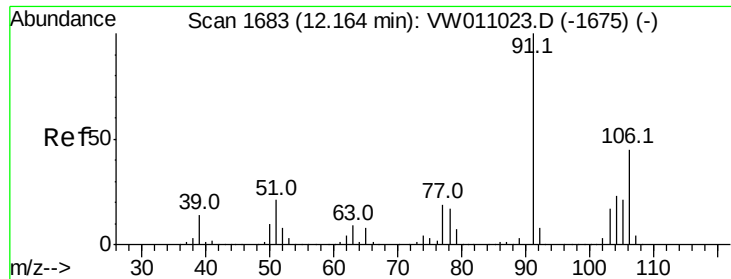
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#68
m/p-Xylenes
Concen: 21.992 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 106 Resp: 98018
Ion Ratio Lower Upper
106 100
91 209.4 167.5 251.3





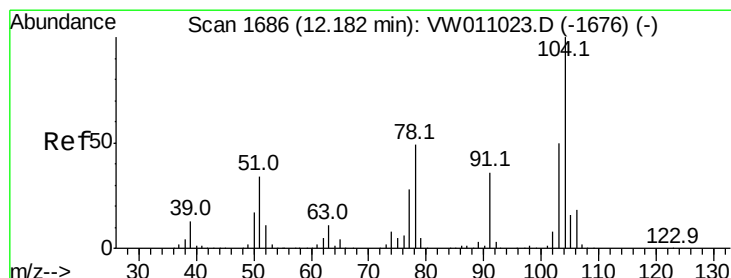
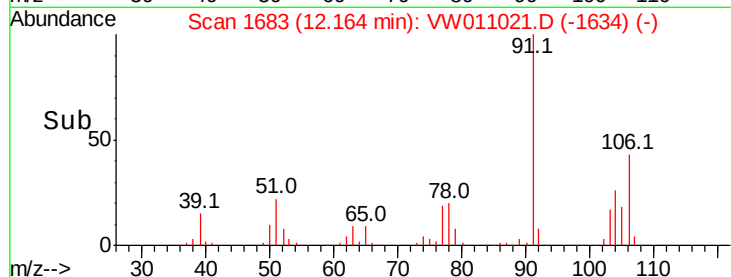
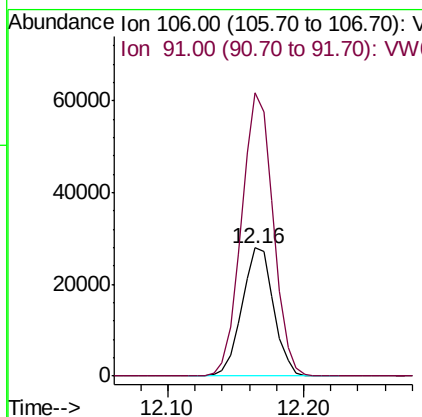
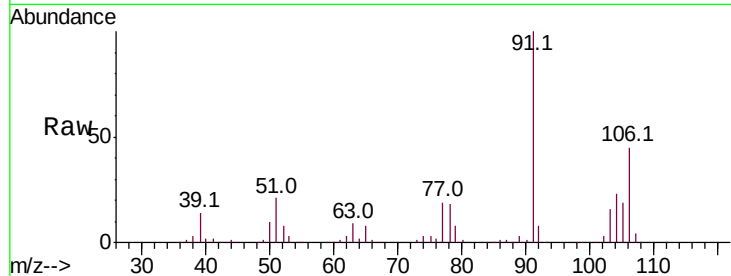
#69
o-Xylene
Concen: 10.792 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 45488
Ion Ratio Lower Upper
106 100
91 221.2 110.8 332.3

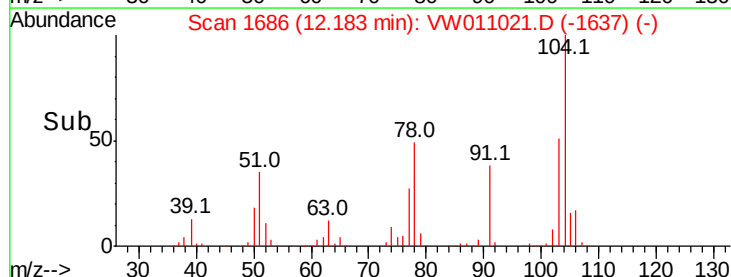
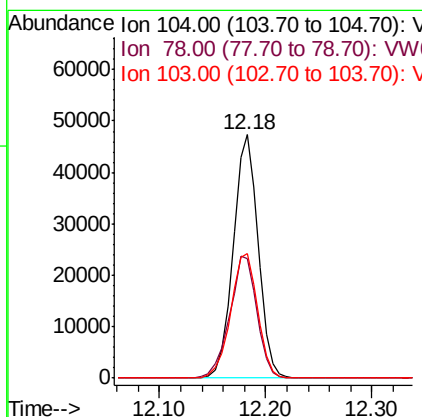
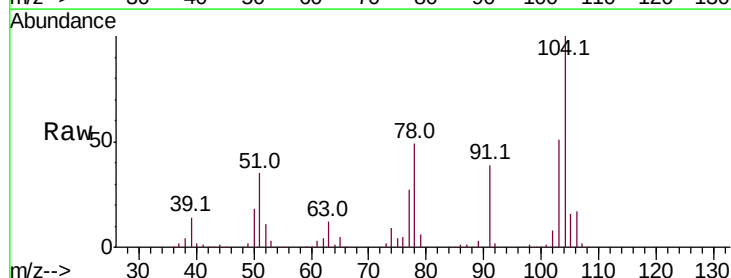
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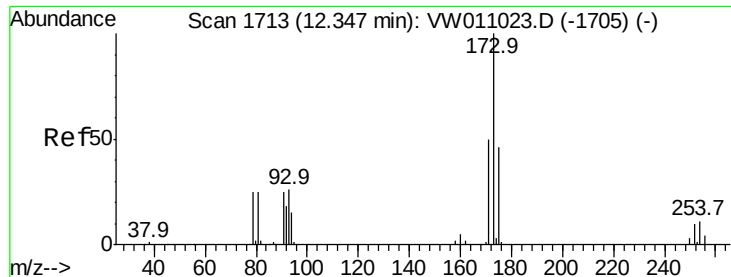
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#70
Styrene
Concen: 10.583 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion:104 Resp: 77543
Ion Ratio Lower Upper
104 100
78 54.8 43.7 65.5
103 55.4 43.9 65.9





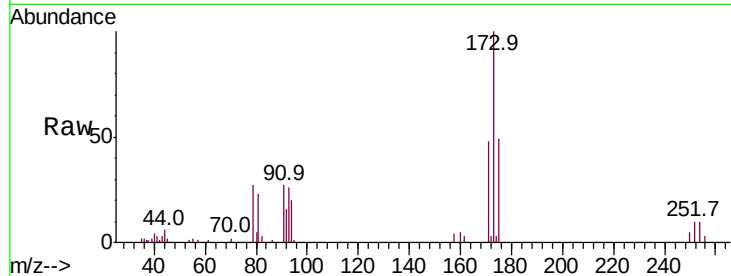
#71
Bromoform
Concen: 9.204 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.2
254	0.0	0.0	0.0

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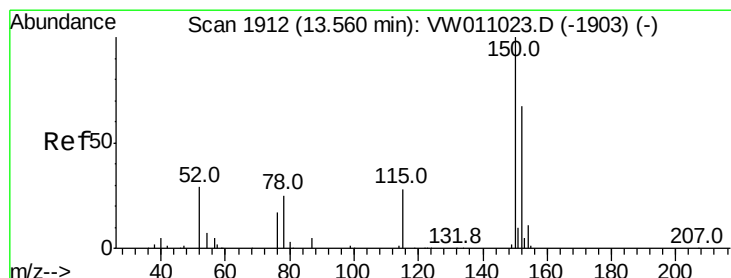
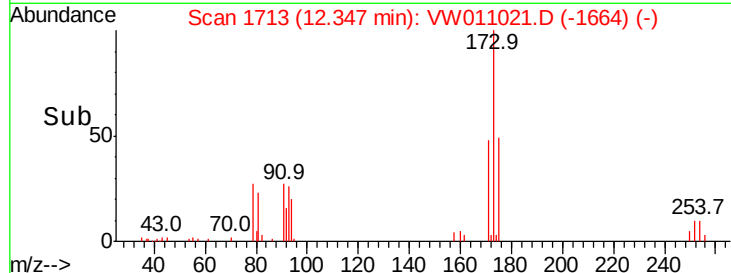
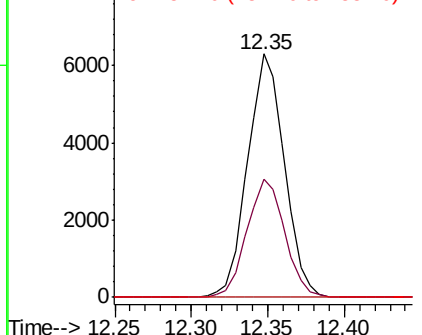


Abundance

Ion 172.70 (172.40 to 173.40): V

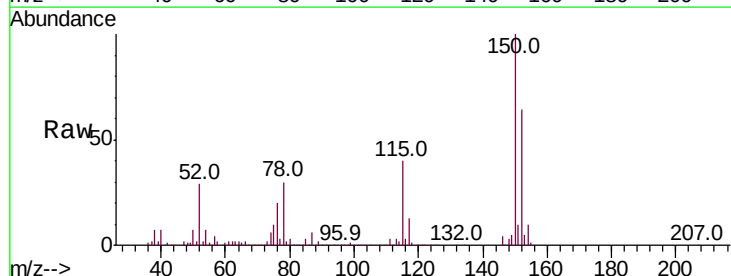
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.7	92.1
150	160.7	0.0	341.8

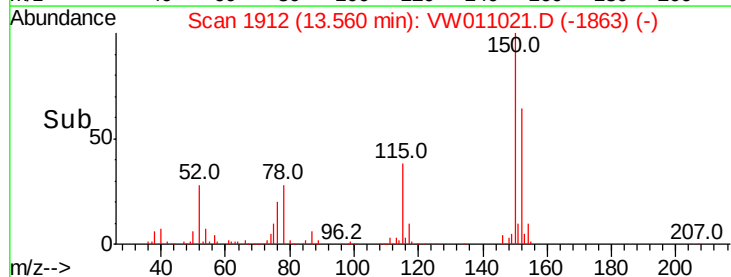
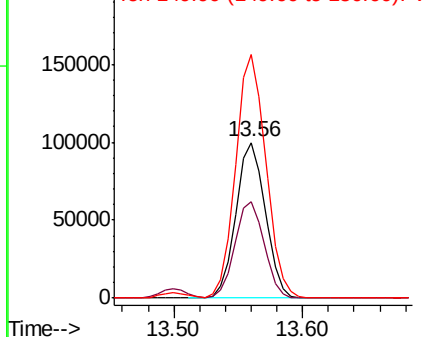


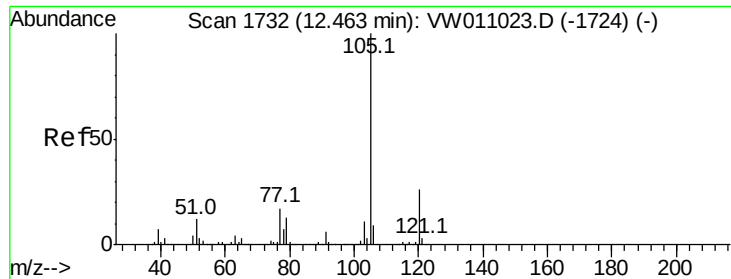
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





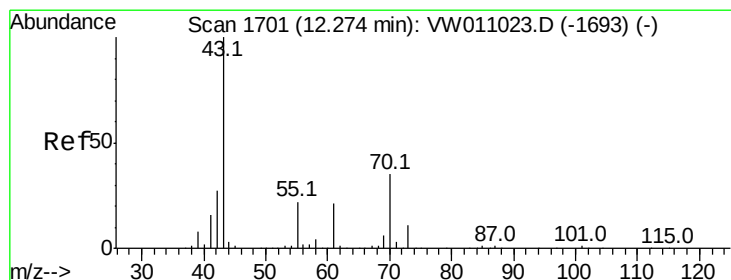
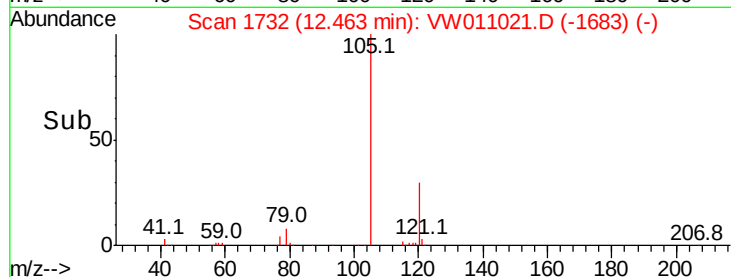
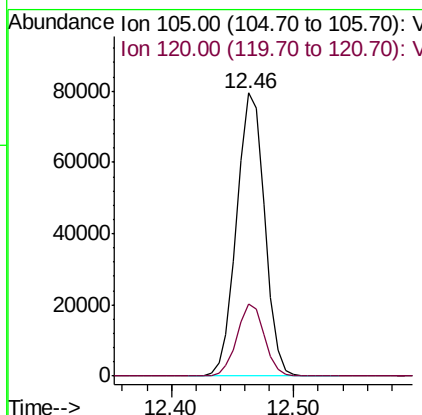
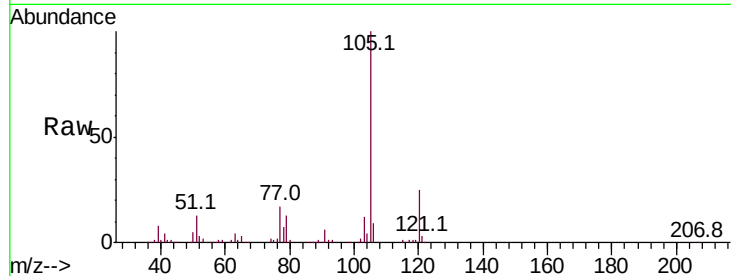
#73
Isopropylbenzene
Concen: 10.629 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.9	38.6

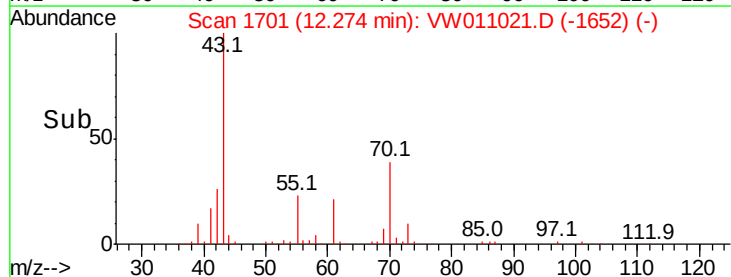
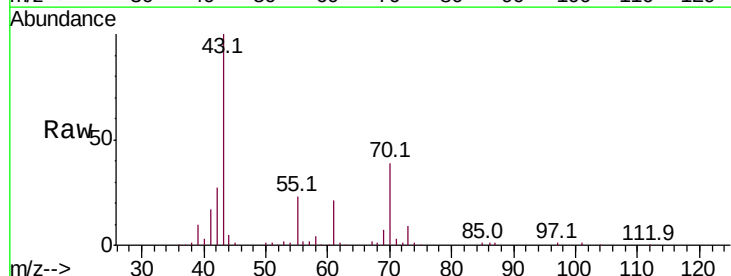
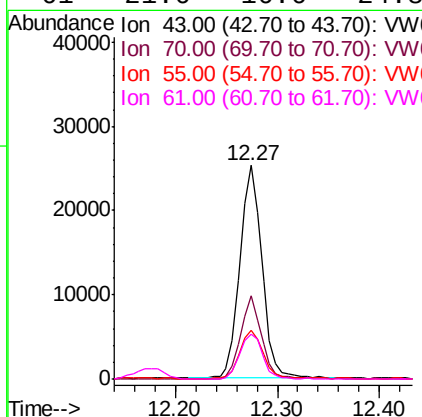
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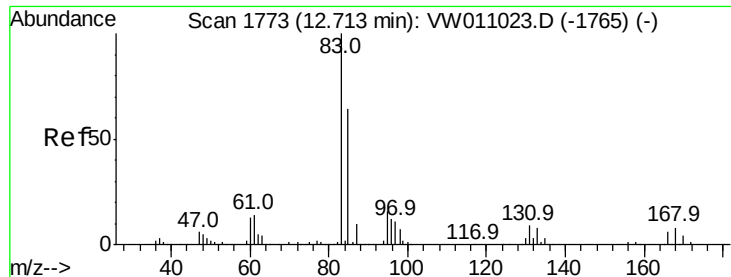
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#74
N-ethyl acetate
Concen: 9.797 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.5	28.2	42.4
55	24.7	17.8	26.8
61	21.6	16.6	24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 10.930 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

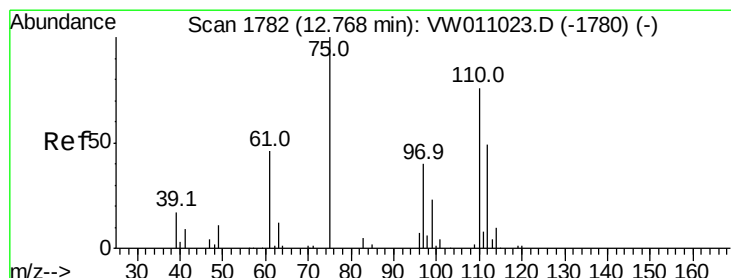
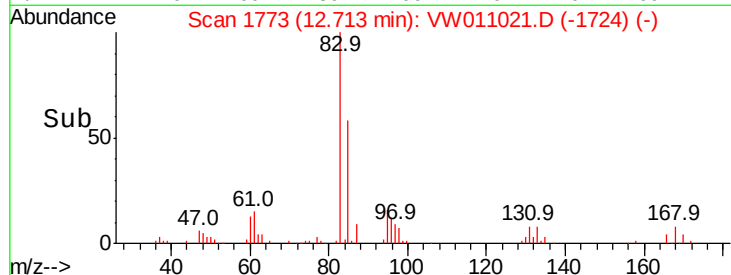
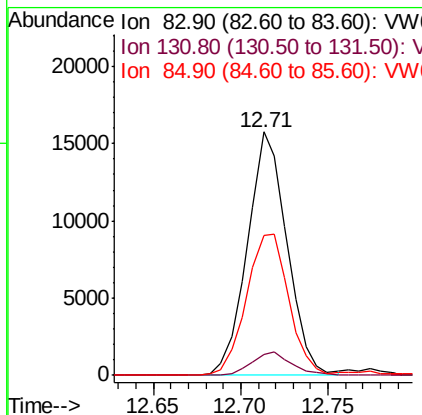
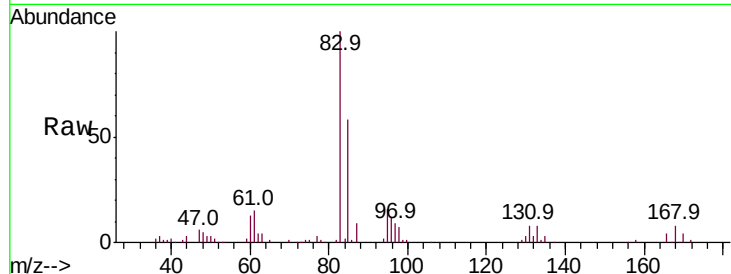
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	24803
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	62.2	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 10.879 ug/l m

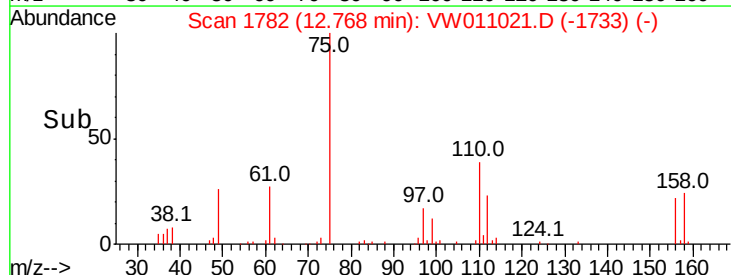
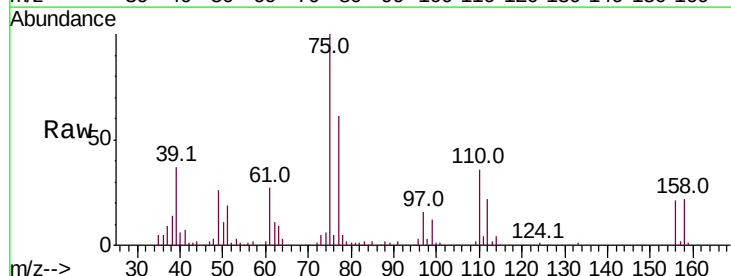
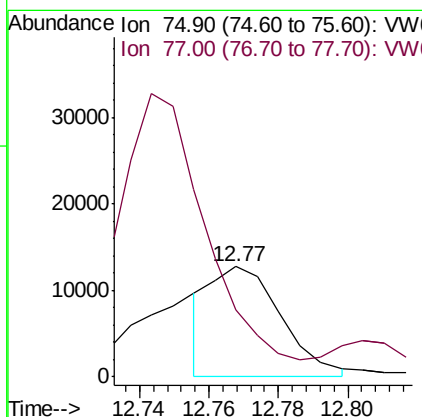
RT: 12.77 min Scan# 1782

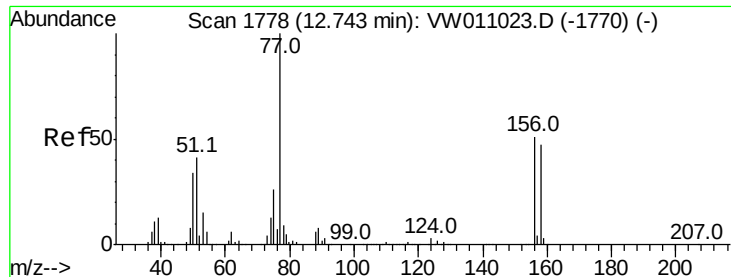
Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Tgt Ion:	75	Resp:	18112
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.761 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:156 Resp: 27766

Ion Ratio Lower Upper

156 100

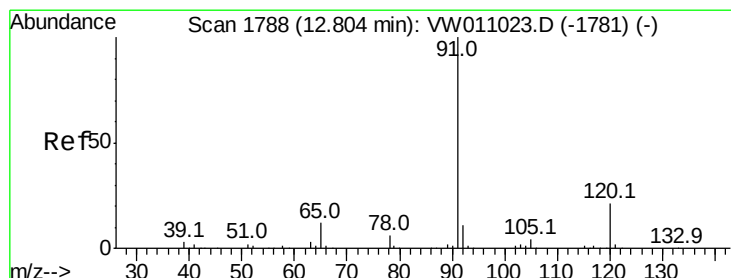
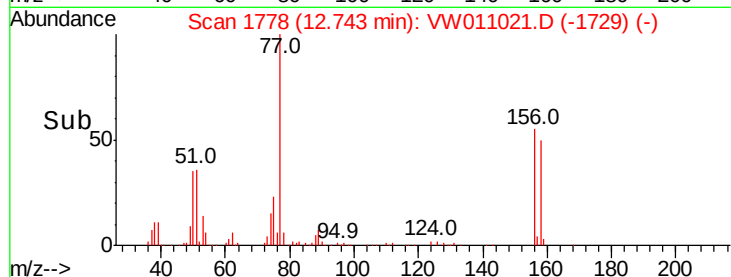
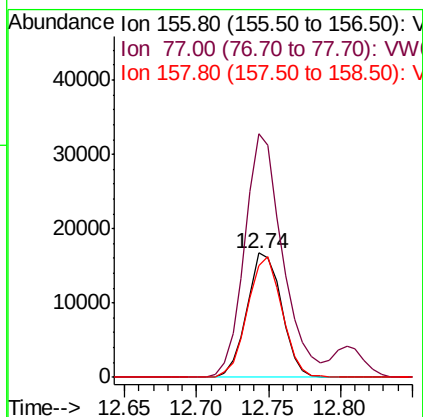
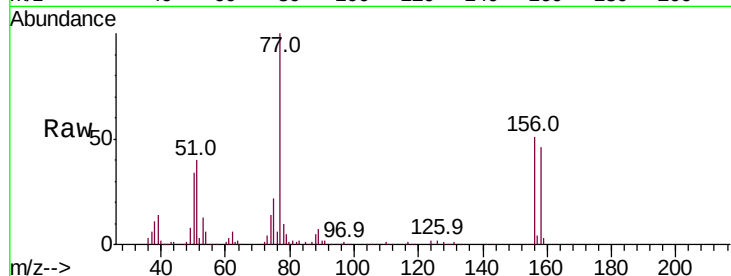
77 215.4 109.5 328.5

158 96.4 48.6 145.9

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#78

n-propylbenzene

Concen: 10.791 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011021.D

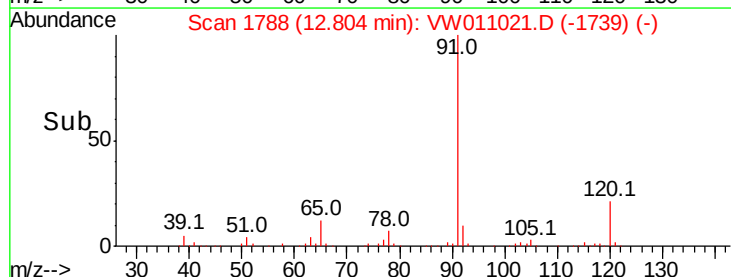
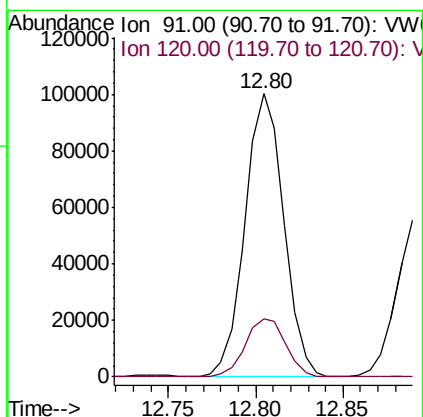
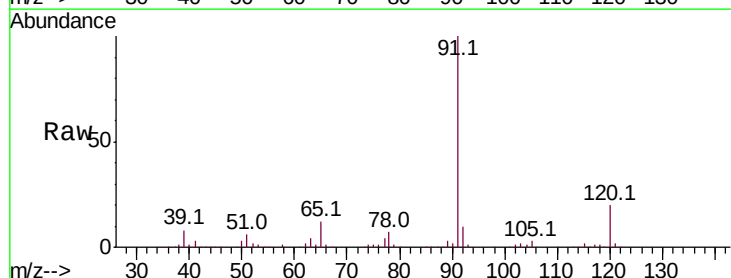
Acq: 27 Jun 2019 15:28

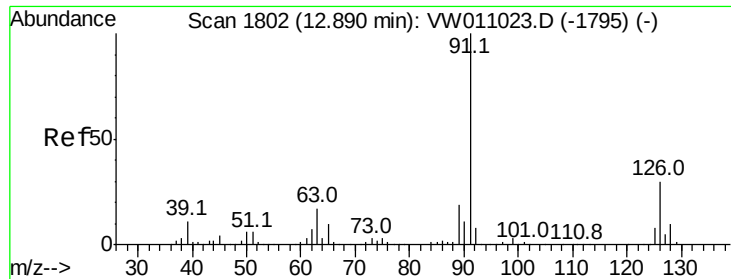
Tgt Ion: 91 Resp: 154758

Ion Ratio Lower Upper

91 100

120 21.4 10.5 31.6





#79

2-Chlorotoluene

Concen: 10.971 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011021.D

Acq: 27 Jun 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 89879

Ion Ratio Lower Upper

91 100

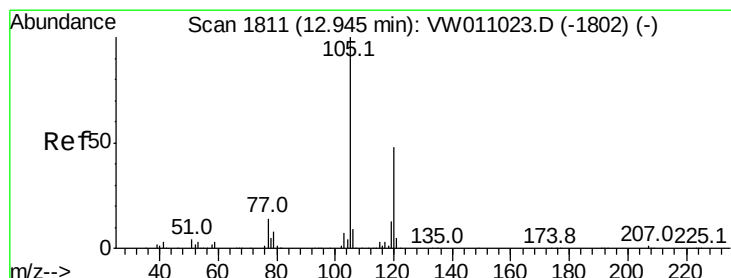
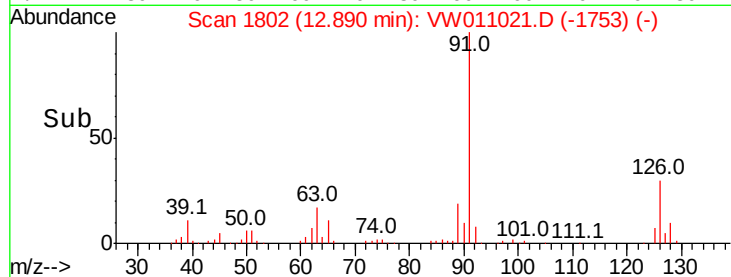
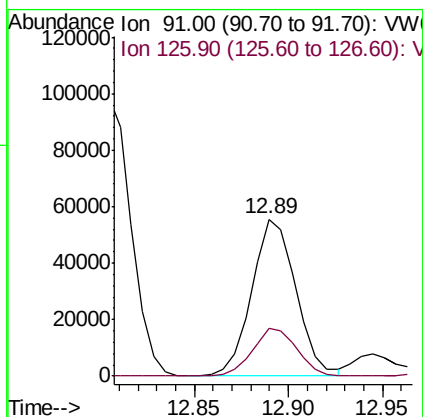
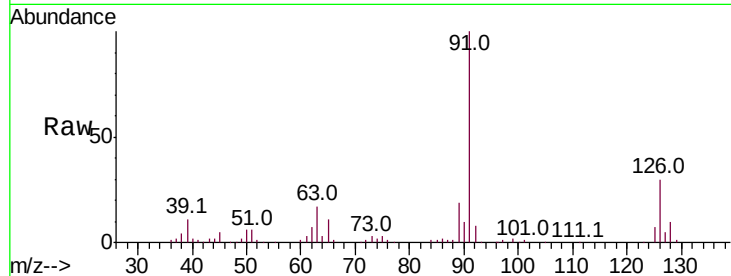
126 30.5 15.4 46.4

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#80

1,3,5-Trimethylbenzene

Concen: 10.763 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011021.D

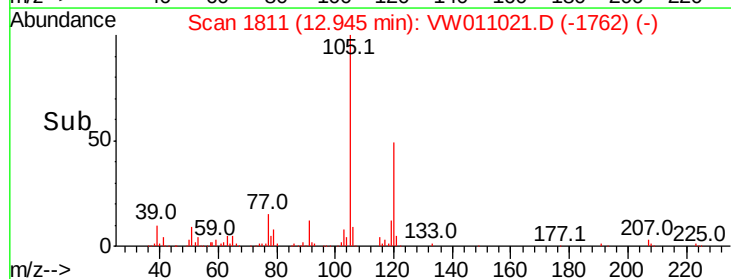
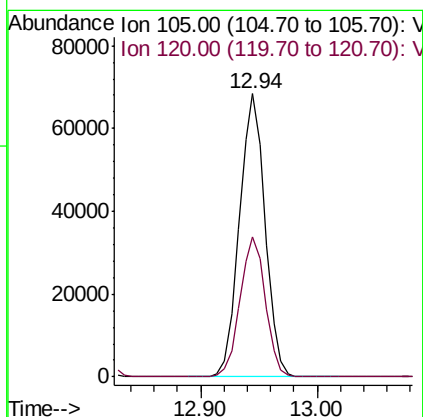
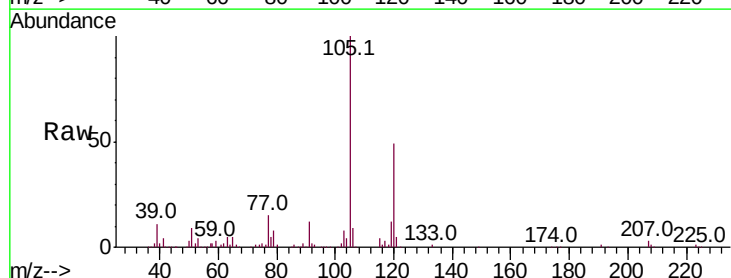
Acq: 27 Jun 2019 15:28

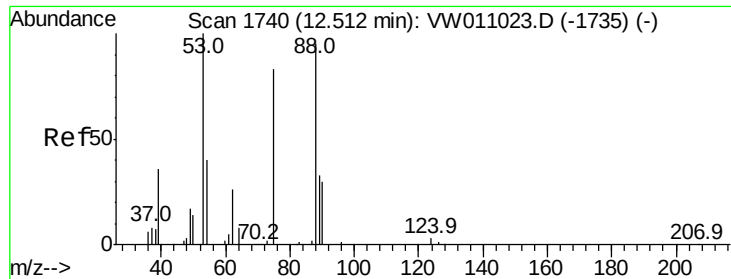
Tgt Ion:105 Resp: 105004

Ion Ratio Lower Upper

105 100

120 49.2 23.8 71.5





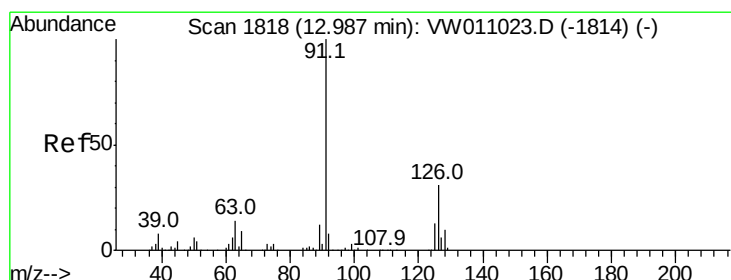
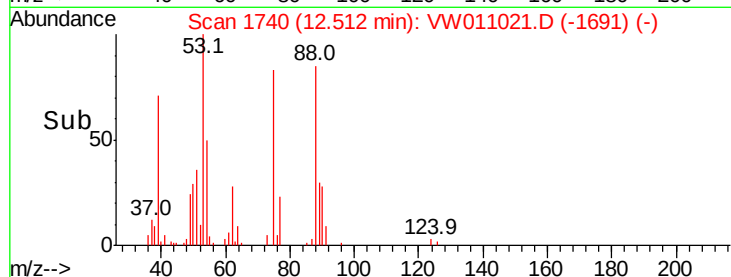
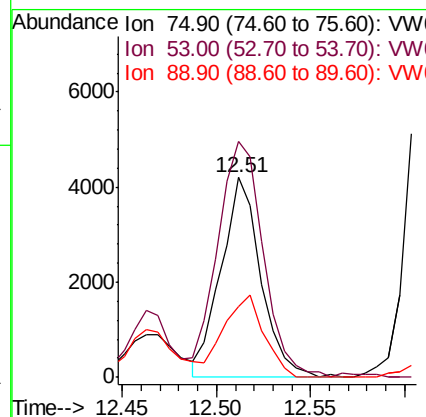
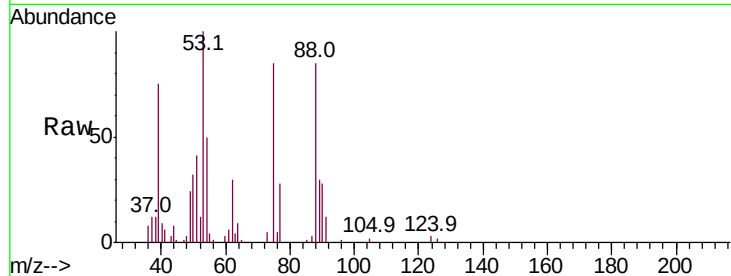
#81
trans-1,4-Dichloro-2-butene
Concen: 8.593 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 6176
Ion Ratio Lower Upper
75 100
53 136.2 95.6 143.4
89 40.5 34.4 51.6

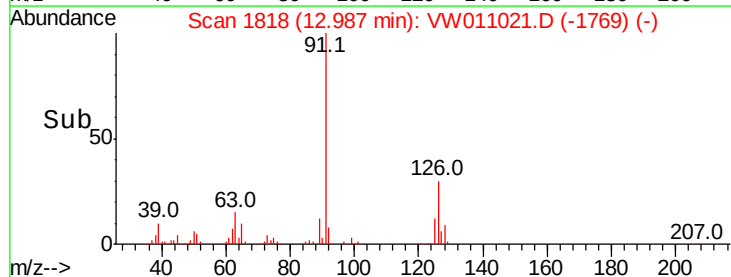
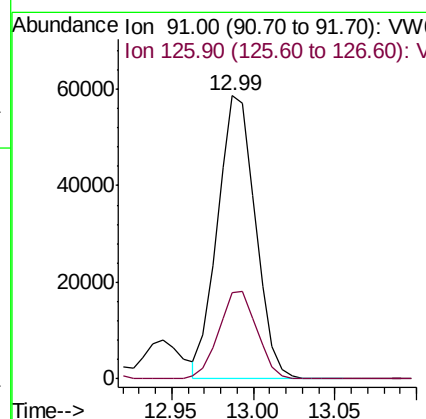
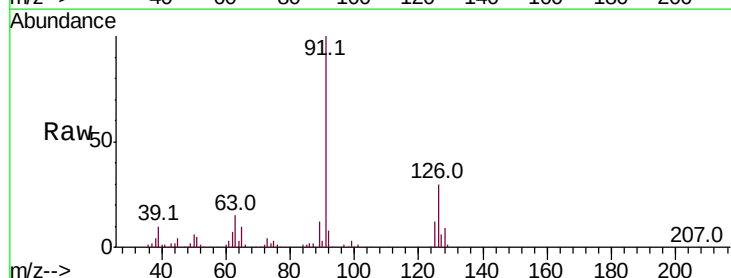
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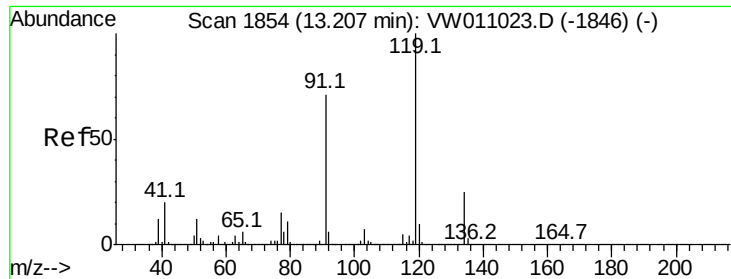
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#82
4-Chlorotoluene
Concen: 11.116 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion: 91 Resp: 94130
Ion Ratio Lower Upper
91 100
126 31.4 15.7 47.1





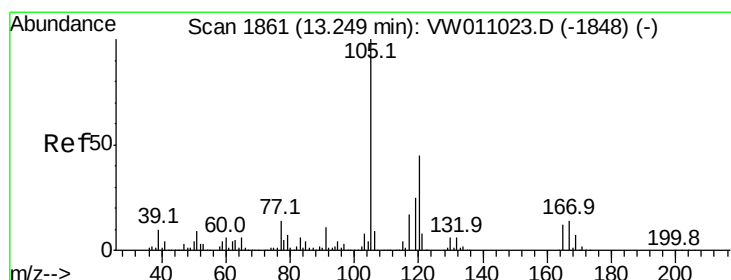
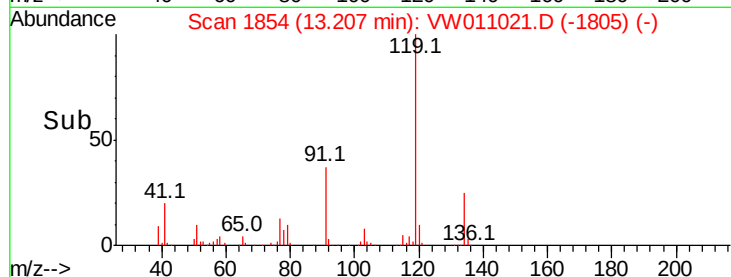
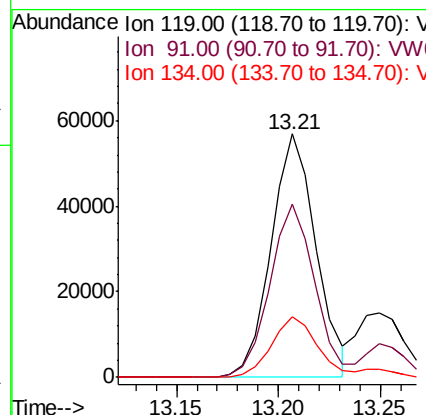
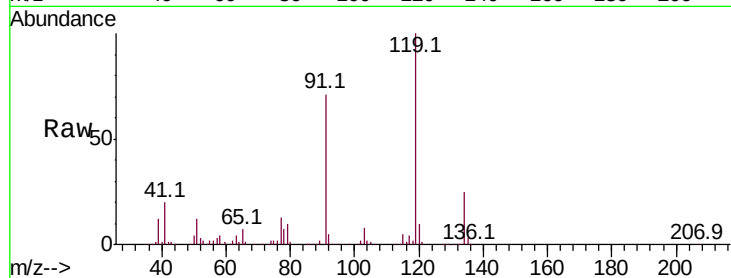
#83
tert-Butylbenzene
Concen: 10.584 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.1	35.5	106.5
134	25.5	12.4	37.2

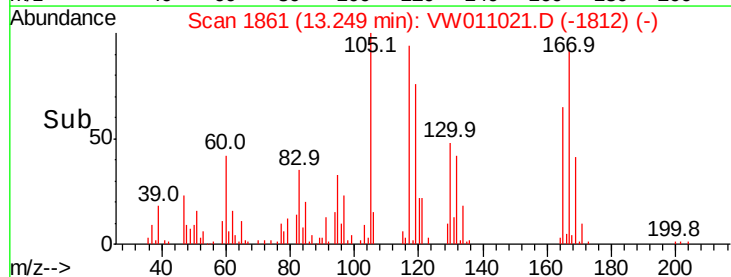
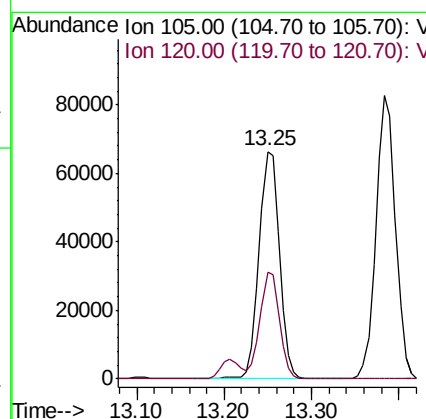
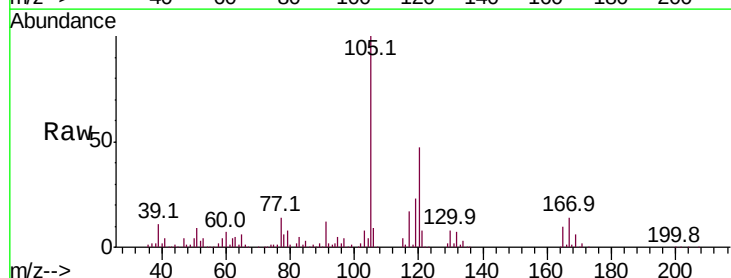
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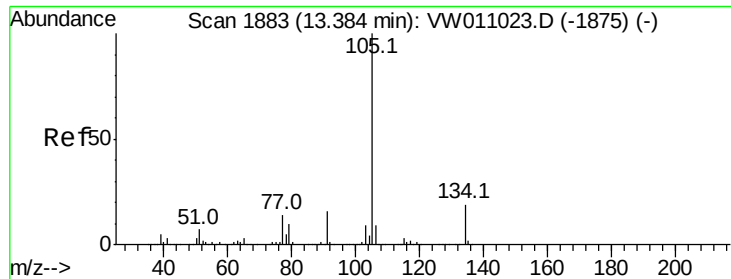
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#84
1,2,4-Trimethylbenzene
Concen: 10.986 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.2





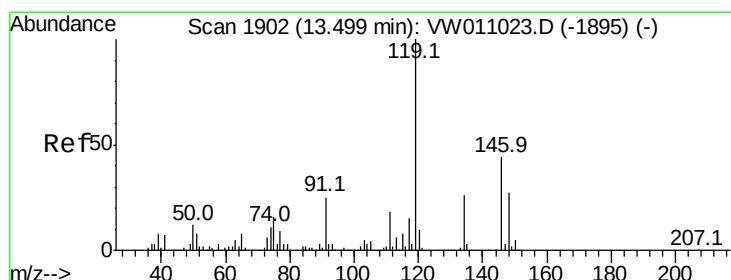
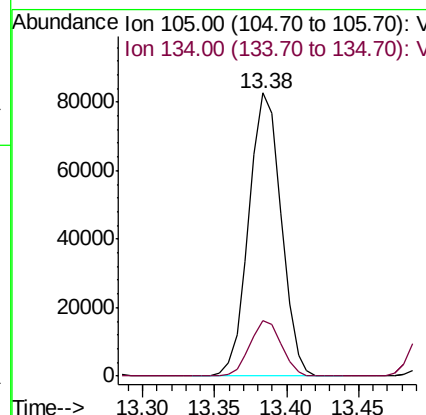
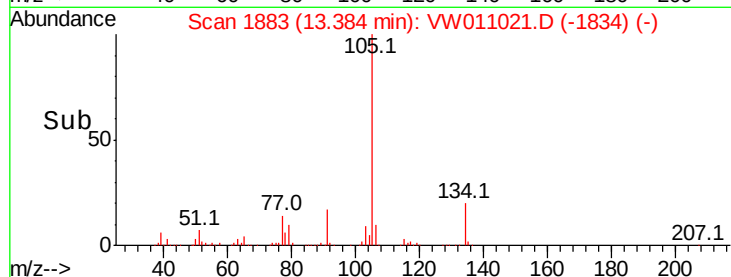
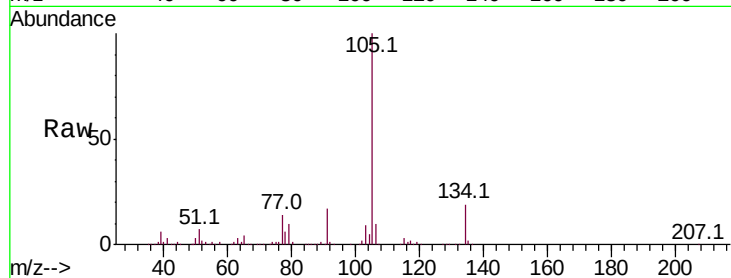
#85
 sec-Butylbenzene
 Concen: 10.706 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.6	28.8

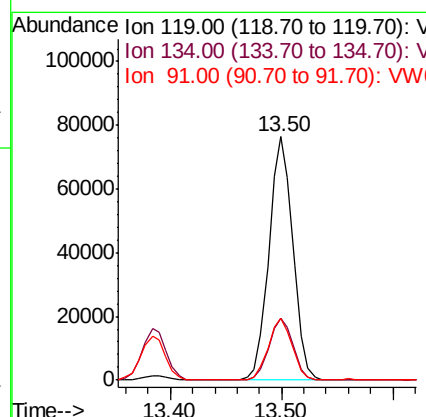
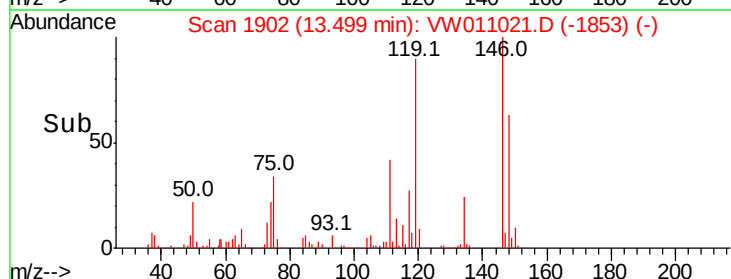
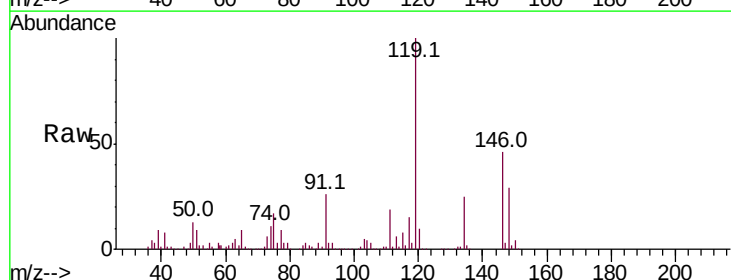
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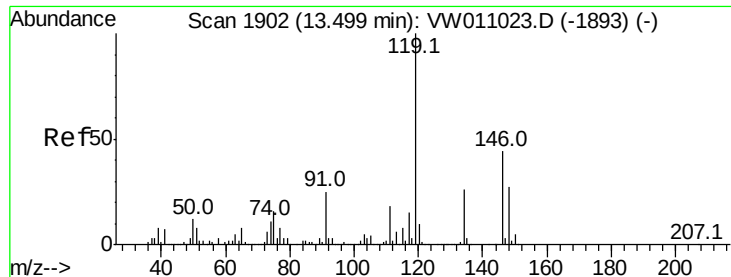
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#86
 p-Isopropyltoluene
 Concen: 10.678 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.7
91	25.4	12.3	36.9





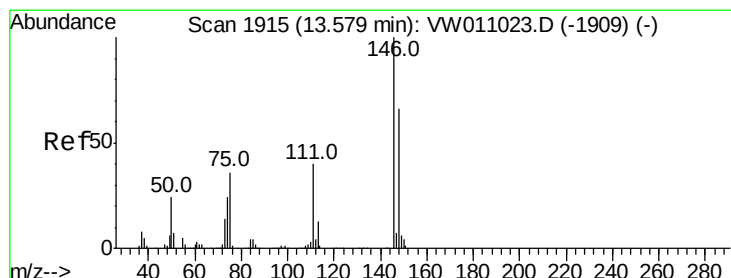
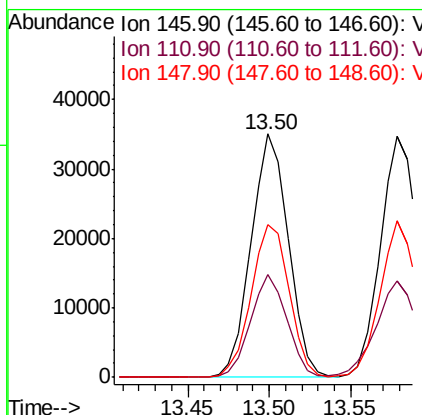
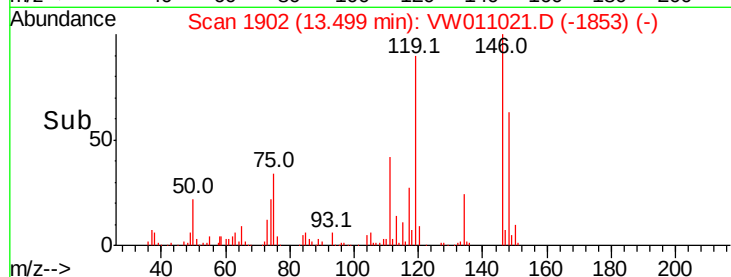
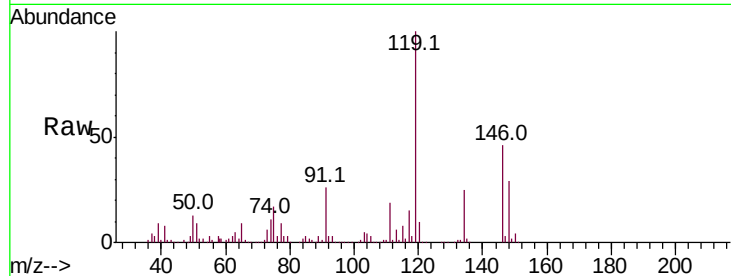
#87
1,3-Dichlorobenzene
Concen: 11.185 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	64.2	31.8	95.4

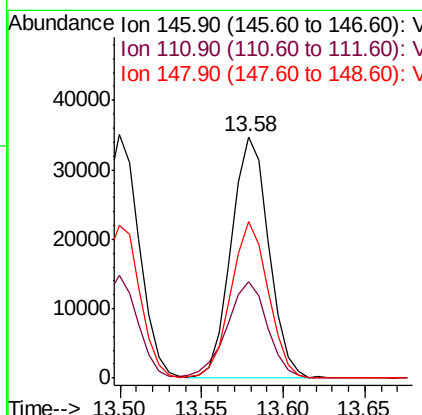
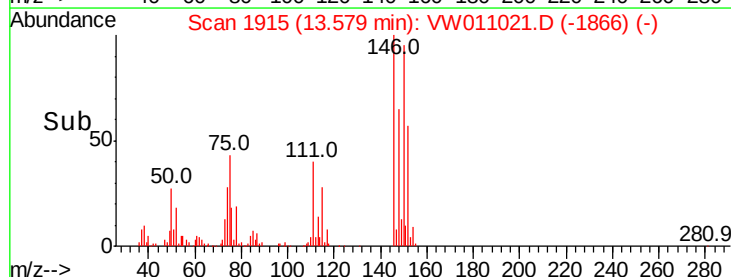
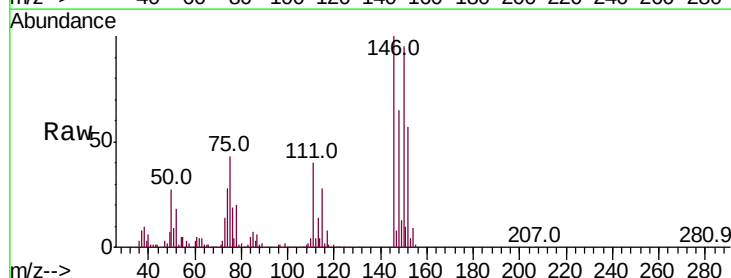
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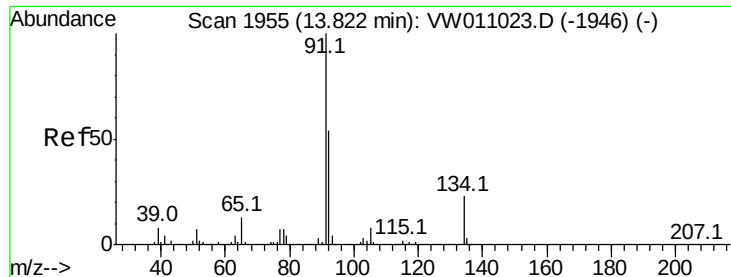
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#88
1,4-Dichlorobenzene
Concen: 11.219 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.6	61.9
148	64.6	32.4	97.2





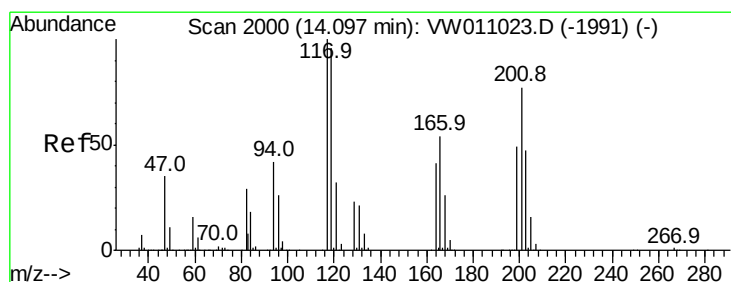
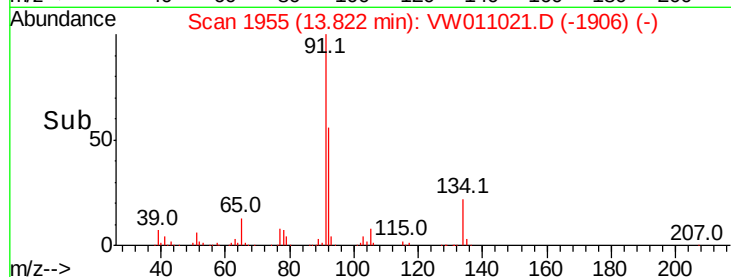
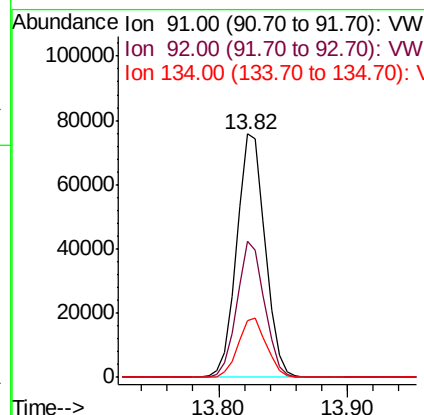
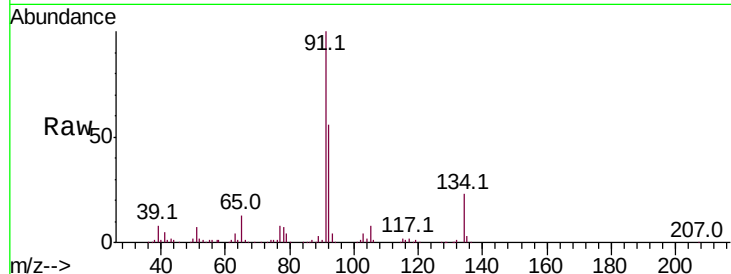
#89
n-Butylbenzene
Concen: 10.842 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	116466		
92	53.9		27.1	81.2
134	24.0		12.0	36.1

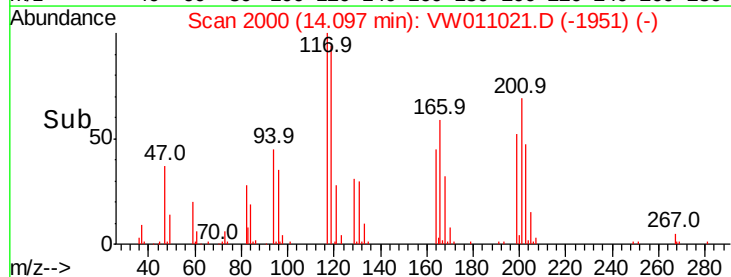
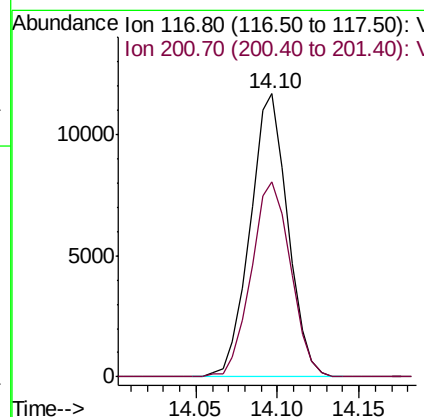
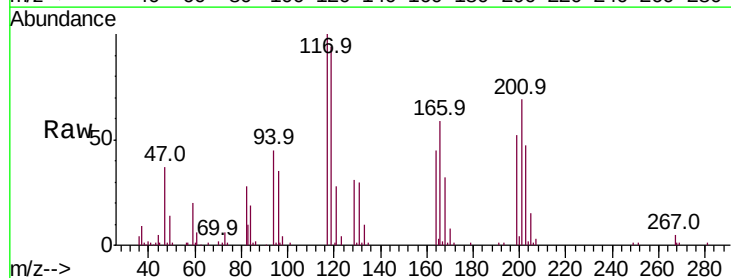
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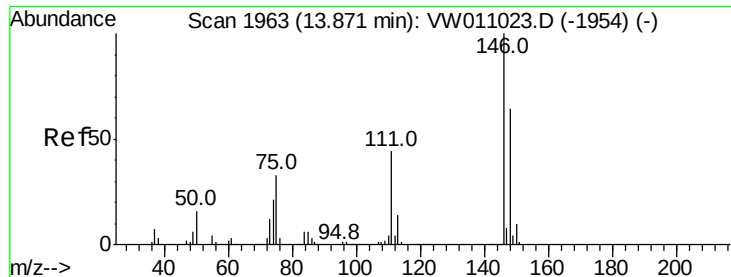
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#90
Hexachloroethane
Concen: 9.876 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	18813		
201	72.0		38.0	114.0





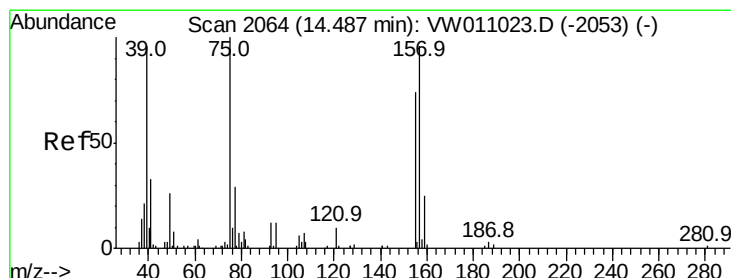
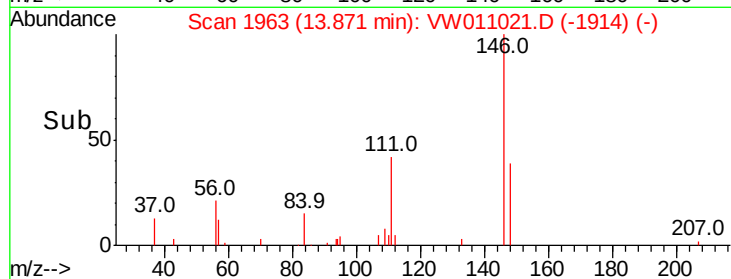
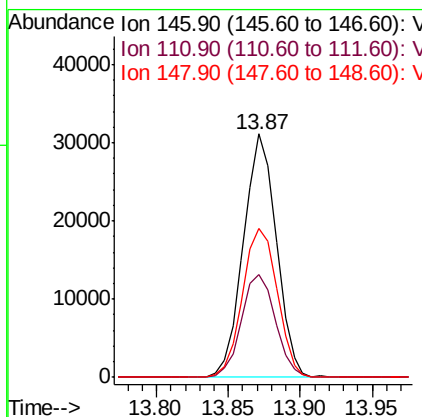
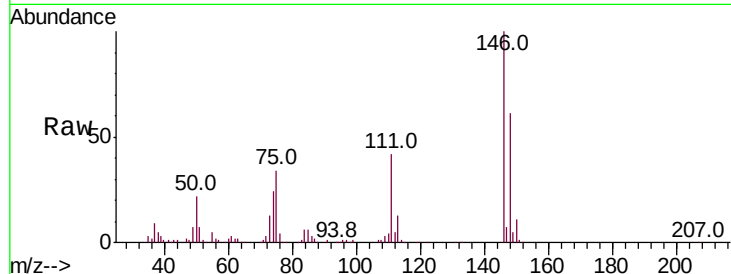
#91
 1,2-Dichlorobenzene
 Concen: 10.939 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.4	64.3
148	64.4	31.8	95.3

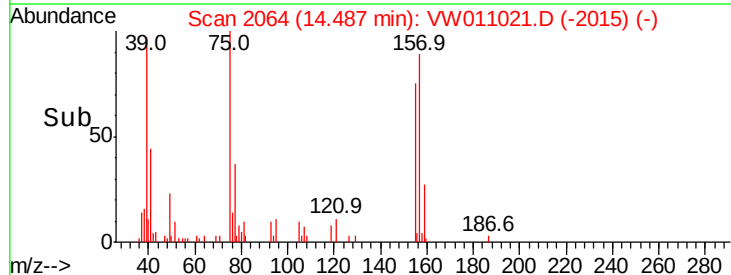
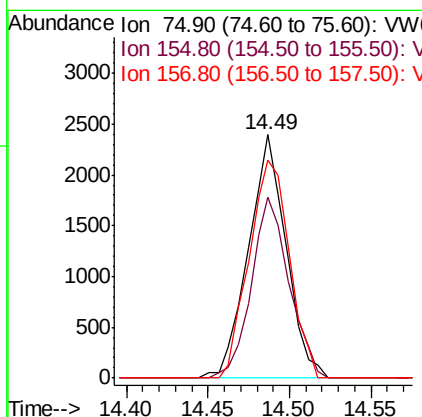
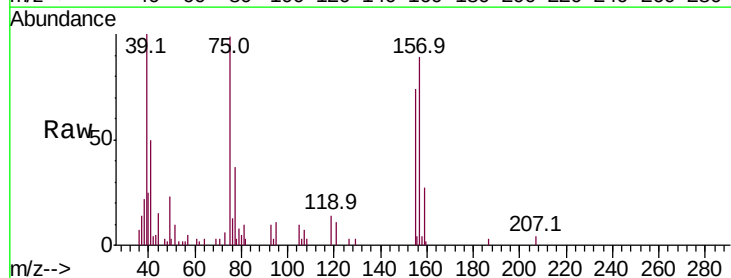
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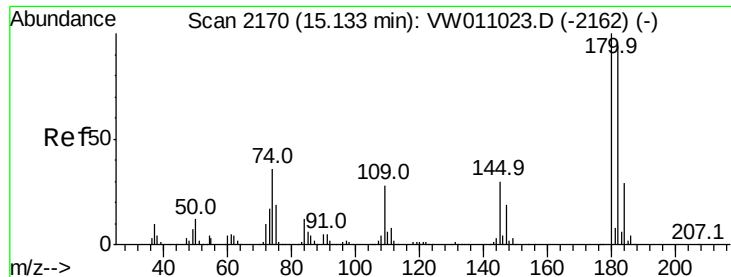
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.799 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011021.D
 Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	37.0	110.9
157	95.6	45.9	137.7





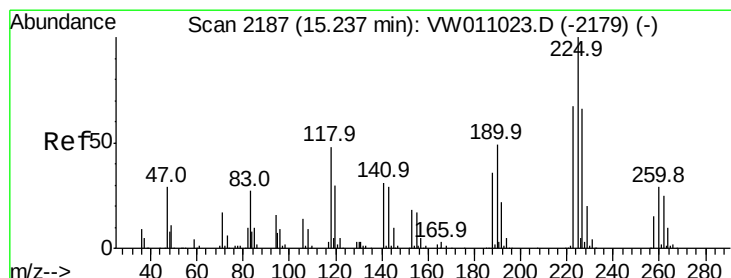
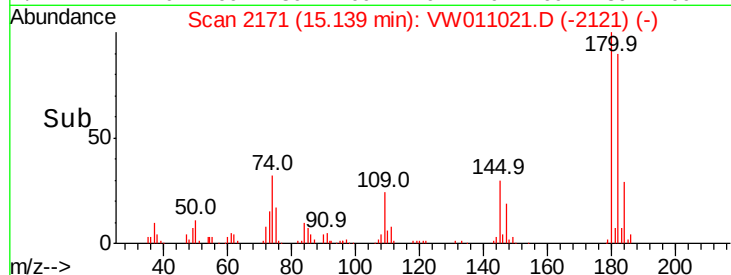
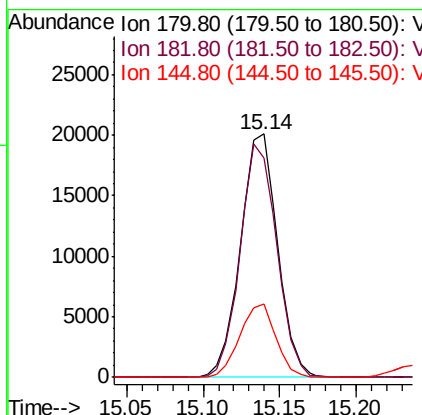
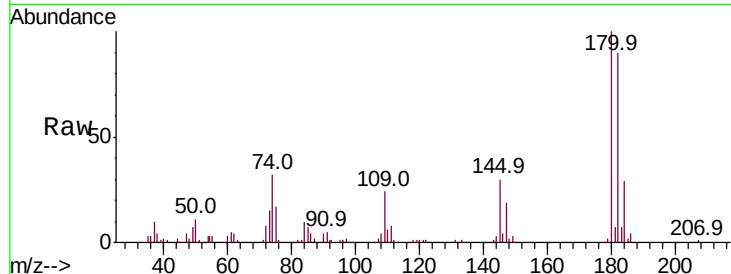
#93
1,2,4-Trichlorobenzene
Concen: 10.719 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.01 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	29.4	15.3	45.8

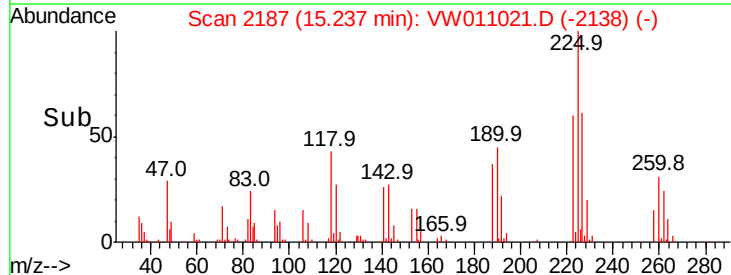
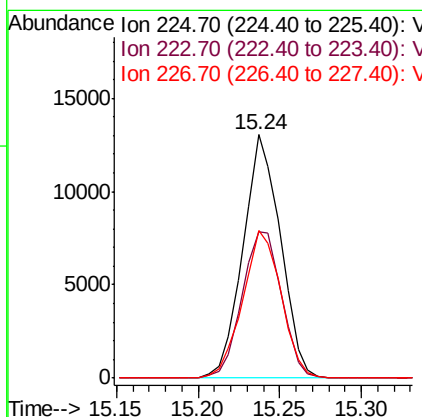
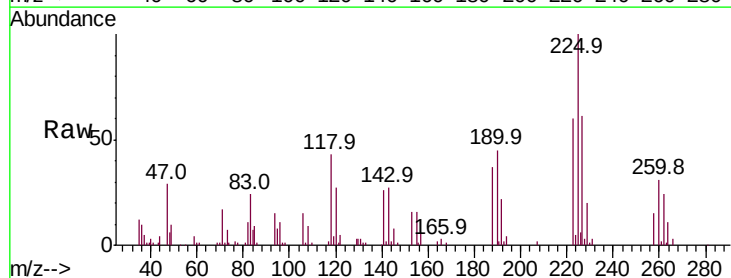
Manual Integrations
APPROVED

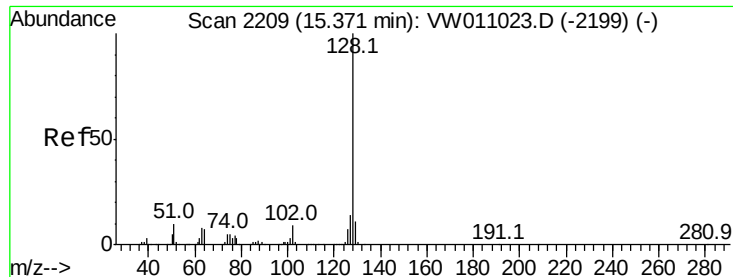
MMDadoda
6/28/2019 10:24:54 AM



#94
Hexachlorobutadiene
Concen: 10.621 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.9
227	62.0	31.9	95.9





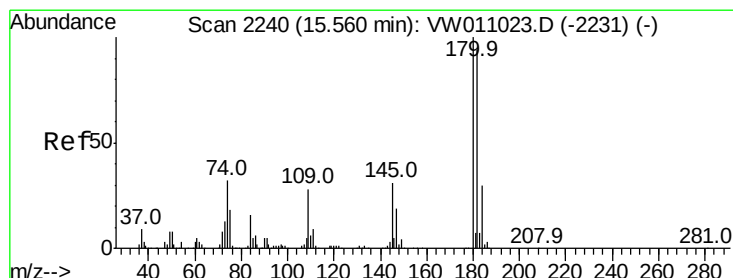
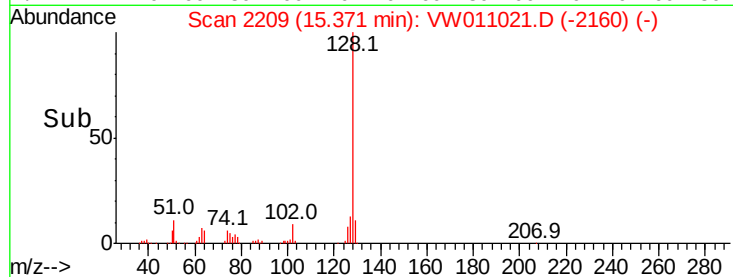
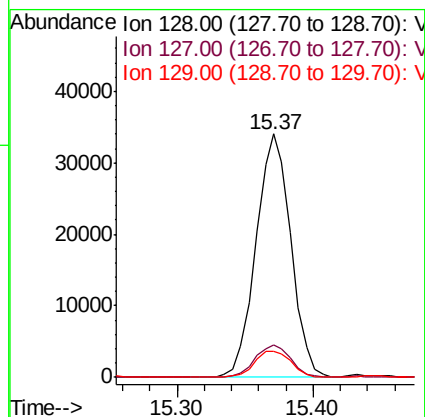
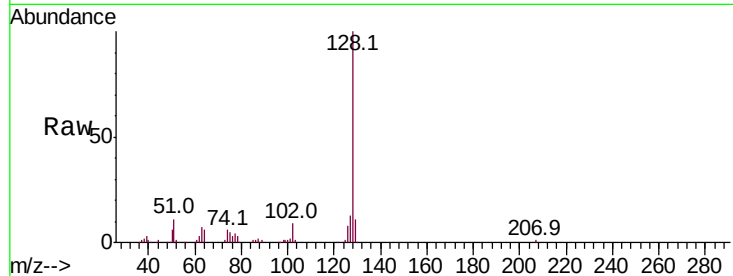
#95
Naphthalene
Concen: 10.509 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	128	Resp:	61121
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.7	16.1
129	11.4	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 11.166 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011021.D
Acq: 27 Jun 2019 15:28

Tgt Ion:	180	Resp:	30235
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.9	143.7
145	32.2	16.1	48.2

