

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011024.D
 Acq On : 27 Jun 2019 16:49
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:25:09 AM

Quant Time: Jun 28 01:53:55 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	209988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152247	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	267424	103.40	ug/l	0.00
Spiked Amount			Recovery	=	206.80%	
35) Dibromofluoromethane	7.88	113	209401	108.20	ug/l	0.00
Spiked Amount			Recovery	=	216.40%	
50) Toluene-d8	10.32	98	875966	103.22	ug/l	0.00
Spiked Amount			Recovery	=	206.44%	
62) 4-Bromofluorobenzene	12.62	95	316160	102.39	ug/l	0.00
Spiked Amount			Recovery	=	204.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	162587	85.282	ug/l	99
3) Chloromethane	2.21	50	207354	75.330	ug/l	98
4) Vinyl Chloride	2.36	62	272640	101.873	ug/l	99
5) Bromomethane	2.76	94	136717	94.282	ug/l	99
6) Chloroethane	2.92	64	154508	98.429	ug/l	100
7) Trichlorofluoromethane	3.24	101	91312	30.231	ug/l	91
8) Diethyl Ether	3.67	74	131320	106.421	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	233500	109.545	ug/l	99
10) Methyl Iodide	4.27	142	332982	162.851	ug/l	100
11) Tert butyl alcohol	5.17	59	97762	485.537	ug/l	99
12) 1,1-Dichloroethene	4.04	96	248168	118.671	ug/l	97
13) Acrolein	3.89	56	74482	772.366	ug/l	98
14) Allyl chloride	4.66	41	411321	93.774	ug/l	100
15) Acrylonitrile	5.36	53	339333	558.791	ug/l	99
16) Acetone	4.12	43	356762	536.873	ug/l	98
17) Carbon Disulfide	4.38	76	736789	112.355	ug/l	99
18) Methyl Acetate	4.67	43	165069	112.035	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	347023	63.342	ug/l	97
20) Methylene Chloride	4.92	84	253400	106.636	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	252846	108.755	ug/l	99
22) Diisopropyl ether	6.31	45	953853	105.754	ug/l	97
23) Vinyl Acetate	6.25	43	3191514	581.628	ug/l	100
24) 1,1-Dichloroethane	6.21	63	503312	110.378	ug/l	99
25) 2-Butanone	7.17	43	544067	581.553	ug/l	100
26) 2,2-Dichloropropane	7.16	77	239974	69.374	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	271389	106.257	ug/l	99
28) Bromochloromethane	7.51	49	217362	104.127	ug/l	99
29) Tetrahydrofuran	7.52	42	344178	580.633	ug/l	100
30) Chloroform	7.67	83	452653	108.591	ug/l	98
31) Cyclohexane	7.95	56	513239	101.770	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	341519	96.135	ug/l	99
36) 1,1-Dichloropropene	8.08	75	382016	107.752	ug/l	99
37) Ethyl Acetate	7.25	43	231901	116.378	ug/l	99
38) Carbon Tetrachloride	8.07	117	327144	107.928	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	485005	108.467	ug/l	99
40) Benzene	8.32	78	1047194	108.062	ug/l	100
41) Methacrylonitrile	7.48	41	128447	107.922	ug/l	91
42) 1,2-Dichloroethane	8.40	62	340257	110.224	ug/l	99
43) Isopropyl Acetate	8.42	43	445800	116.587	ug/l	99
44) Trichloroethene	9.09	130	255028	107.084	ug/l	97
45) 1,2-Dichloropropane	9.37	63	287143	111.677	ug/l	98
46) Dibromomethane	9.46	93	134072	112.004	ug/l	100
47) Bromodichloromethane	9.64	83	347408	112.943	ug/l	100
48) Methyl methacrylate	9.43	41	219800	119.200	ug/l	98
49) 1,4-Dioxane	9.45	88	46315	2401.386	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	1172930	595.877	ug/l	99
52) Toluene	10.38	92	653108	109.684	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	377102	115.842	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	438818	114.255	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	188852	109.674	ug/l	99
56) Ethyl methacrylate	10.65	69	308180	116.835	ug/l	99
57) 1,3-Dichloropropane	10.93	76	362685	111.827	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	747573	544.094	ug/l	100
59) 2-Hexanone	10.97	43	840130	593.733	ug/l	99
60) Dibromochloromethane	11.13	129	214026	113.484	ug/l	100
61) 1,2-Dibromoethane	11.23	107	181687	111.772	ug/l	100
64) Tetrachloroethene	10.86	164	220431	107.145	ug/l	97
65) Chlorobenzene	11.66	112	652964	106.936	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	229930	109.416	ug/l	99
67) Ethyl Benzene	11.73	91	1283476	109.358	ug/l	99
68) m/p-Xylenes	11.84	106	923975	219.224	ug/l	100
69) o-Xylene	12.16	106	435803	109.335	ug/l	100
70) Styrene	12.18	104	763058	110.132	ug/l	100
71) Bromoform	12.35	173	120733	111.499	ug/l #	99
73) Isopropylbenzene	12.46	105	1213518	106.416	ug/l	100
74) N-amyl acetate	12.27	43	440461	117.752	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	239016	109.261	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	169592m	105.665	ug/l	
77) Bromobenzene	12.75	156	261039	104.946	ug/l	99
78) n-propylbenzene	12.80	91	1494048	108.066	ug/l	99
79) 2-Chlorotoluene	12.89	91	844557	106.934	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1027969	109.302	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	82206	118.650	ug/l	95
82) 4-Chlorotoluene	12.99	91	875674	107.268	ug/l	100
83) tert-Butylbenzene	13.21	119	860222	108.245	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1028398	108.675	ug/l	100
85) sec-Butylbenzene	13.38	105	1239399	107.198	ug/l	99
86) p-Isopropyltoluene	13.50	119	1131803	109.356	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	512651	106.469	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	507541	106.032	ug/l	99
89) n-Butylbenzene	13.82	91	1152145	111.262	ug/l	100
90) Hexachloroethane	14.10	117	203587	110.866	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	459408	105.607	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	42119	111.525	ug/l	97

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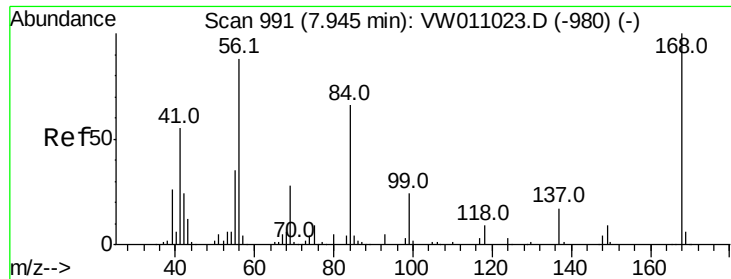
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331803	108.757	ug/l	100
94) Hexachlorobutadiene	15.24	225	197165	103.675	ug/l	99
95) Naphthalene	15.37	128	665109	118.627	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	292992	112.241	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 209988

Ion Ratio Lower Upper

168 100

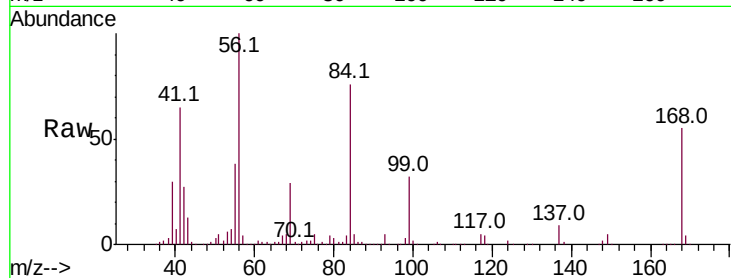
99 59.4 47.8 71.6

Manual Integrations

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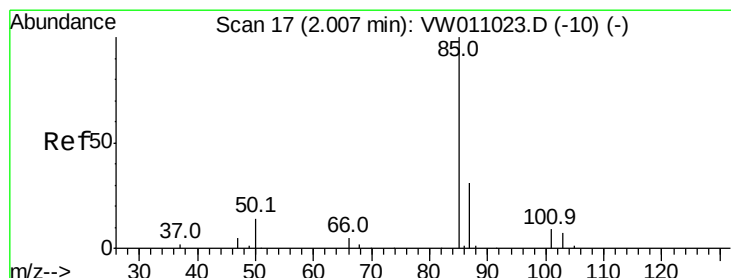
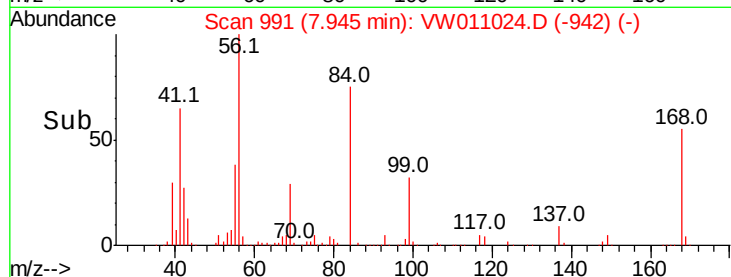
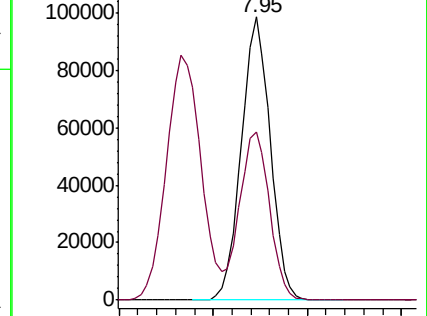
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 85.282 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011024.D

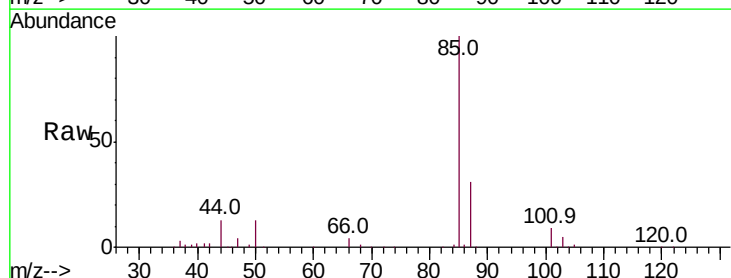
Acq: 27 Jun 2019 16:49

Tgt Ion: 85 Resp: 162587

Ion Ratio Lower Upper

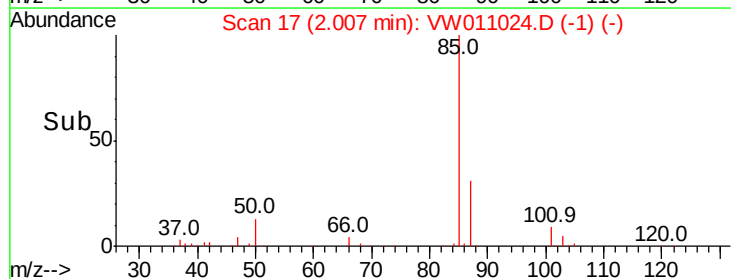
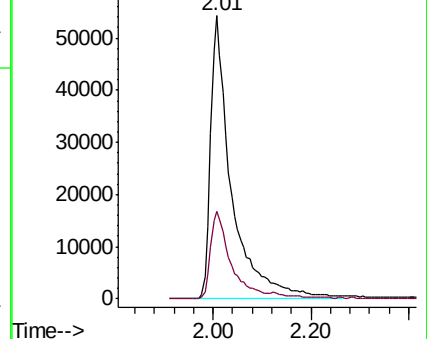
85 100

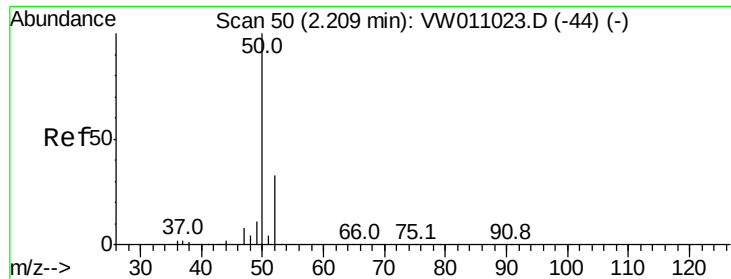
87 31.0 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 75.330 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

Tot Ion: 50 Resp: 207354

Ion Ratio Lower Upper

50 100

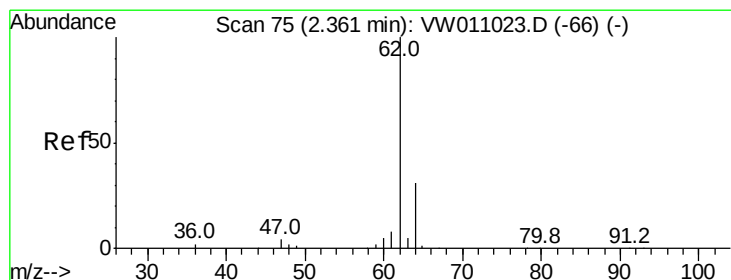
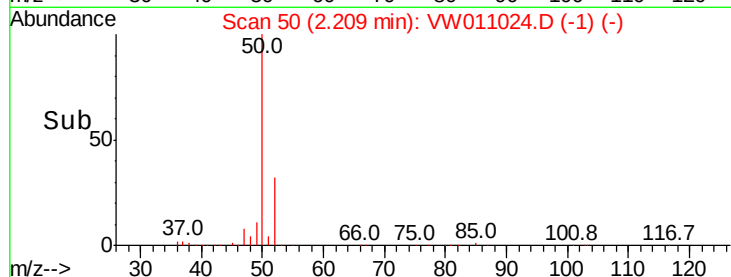
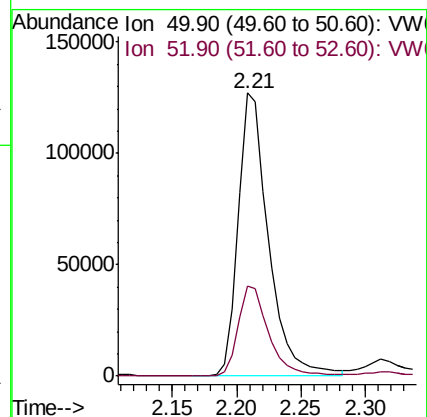
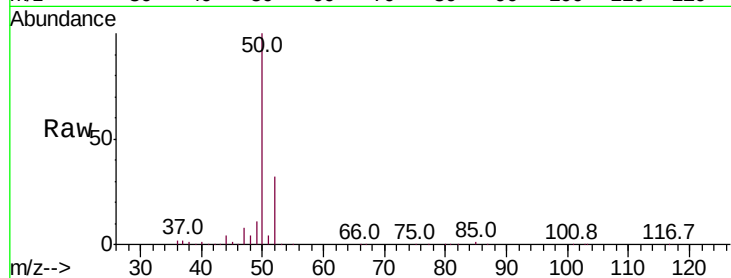
52 31.9 26.6 40.0

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#4

Vinyl Chloride

Concen: 101.873 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011024.D

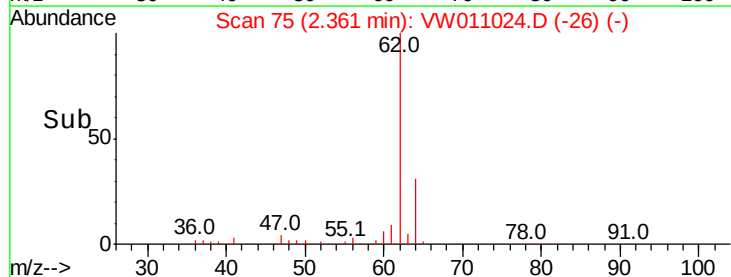
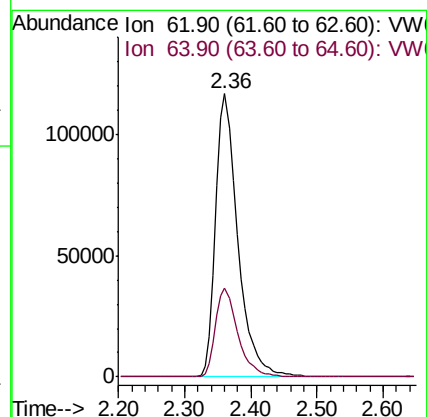
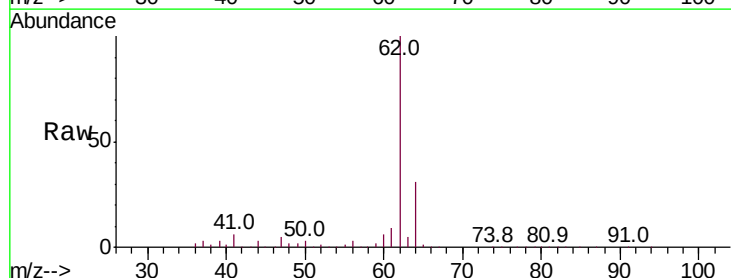
Acq: 27 Jun 2019 16:49

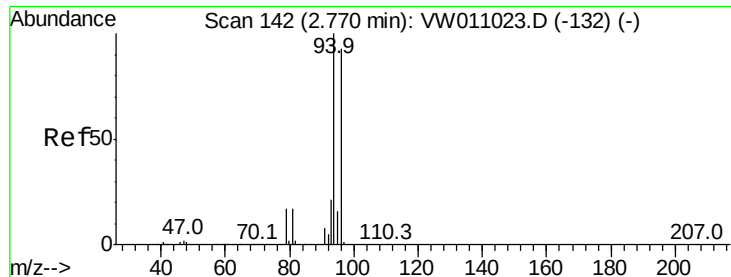
Tgt Ion: 62 Resp: 272640

Ion Ratio Lower Upper

62 100

64 31.4 24.8 37.2





#5

Bromomethane

Concen: 94.282 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

Tot Ion: 94 Resp: 136717

Ion Ratio Lower Upper

94 100

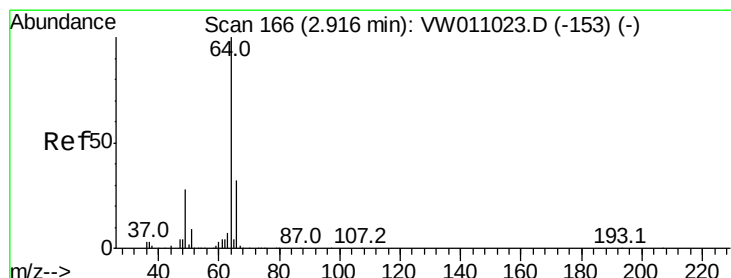
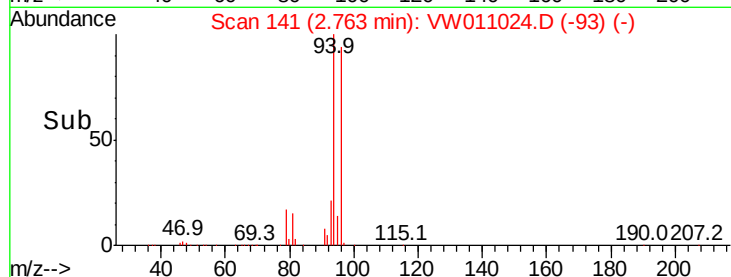
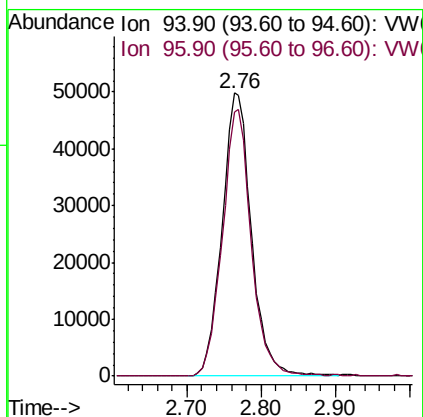
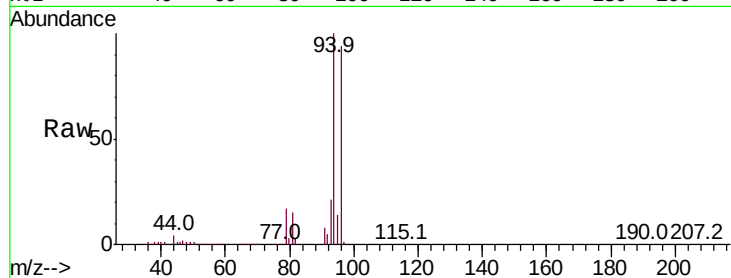
96 93.5 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 98.429 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011024.D

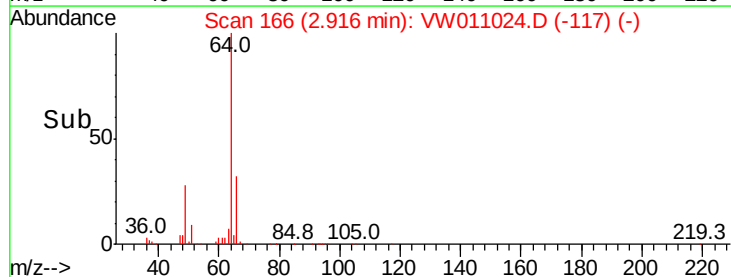
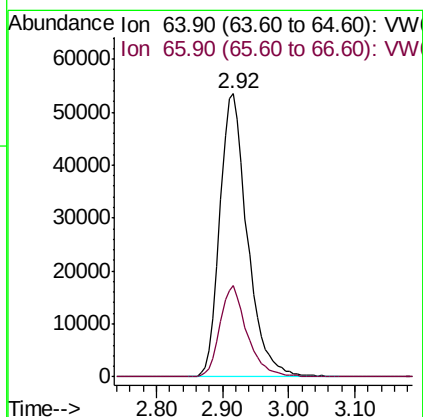
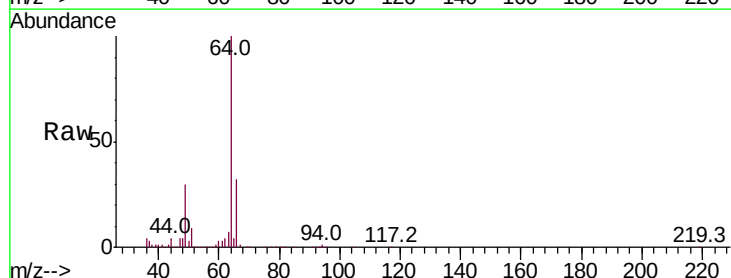
Acq: 27 Jun 2019 16:49

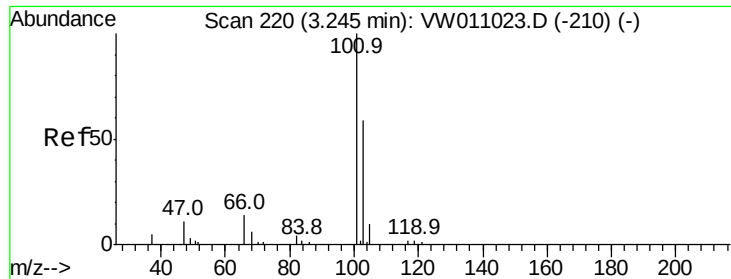
Tgt Ion: 64 Resp: 154508

Ion Ratio Lower Upper

64 100

66 32.0 25.7 38.5





#7

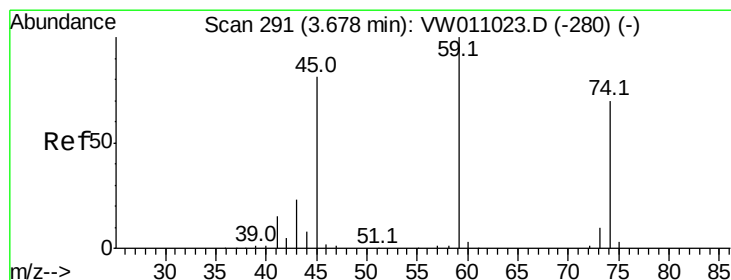
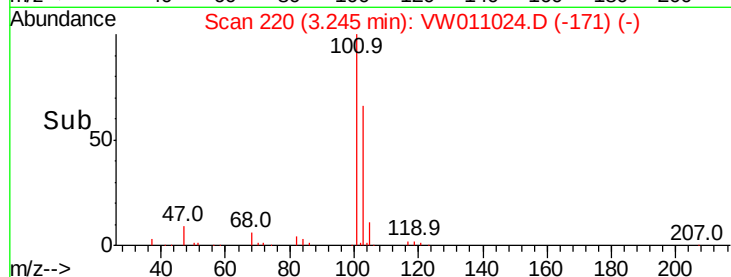
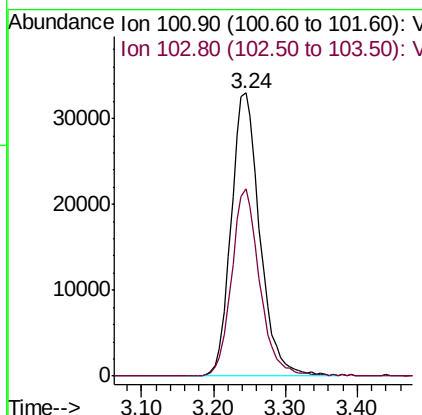
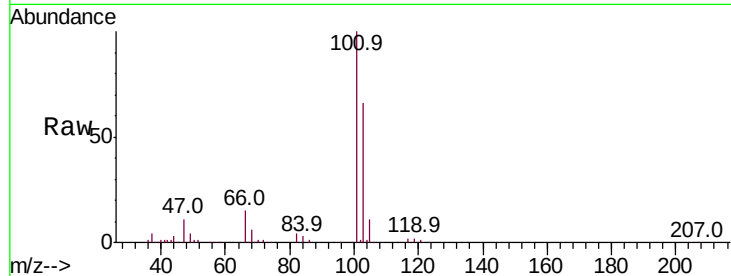
Trichlorofluoromethane
 Concen: 30.231 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	47.5	71.3

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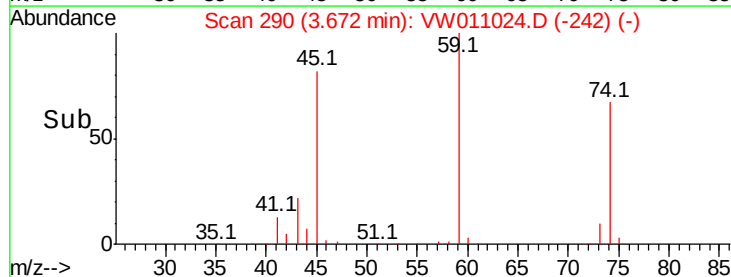
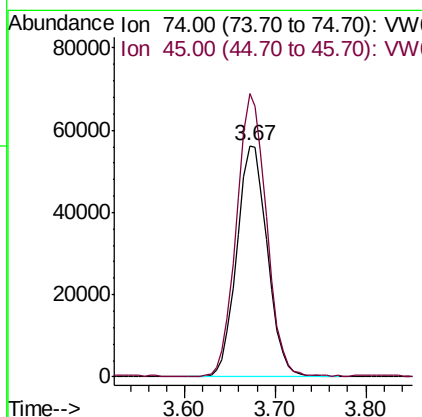
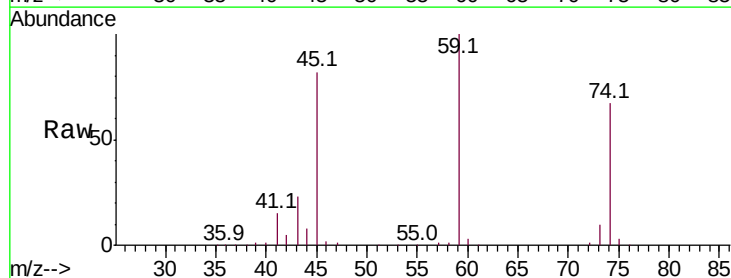
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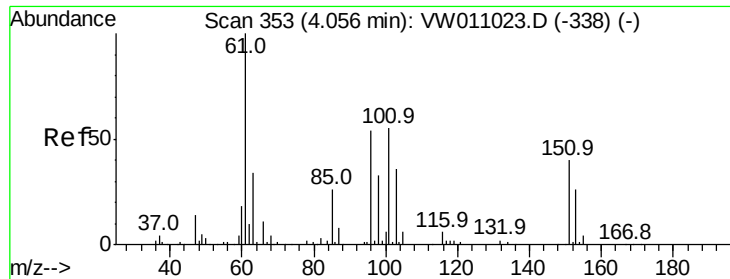


#8

Diethyl Ether
 Concen: 106.421 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.6	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 109.545 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

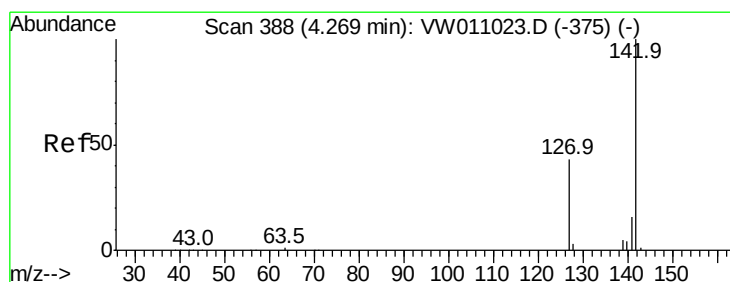
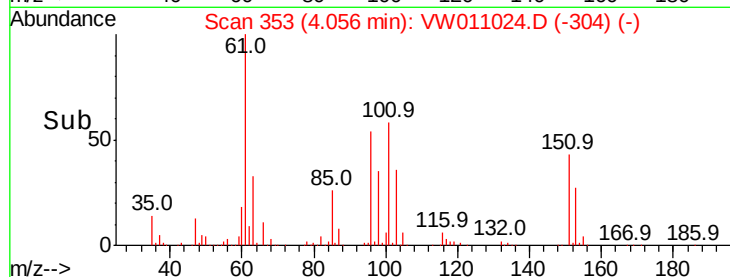
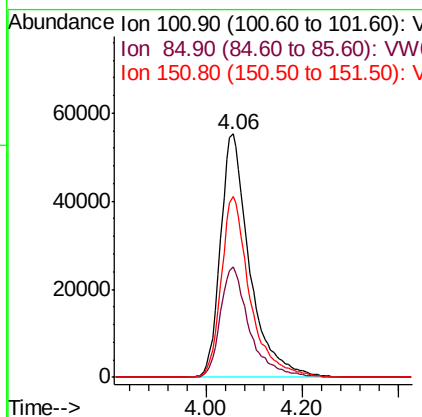
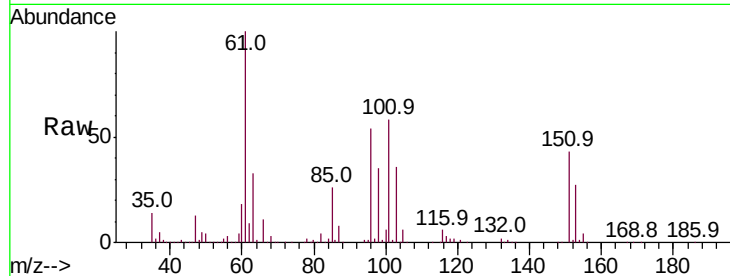
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	233500
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.6	55.0
151	73.1	58.9	88.3

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#10

Methyl Iodide

Concen: 162.851 ug/l

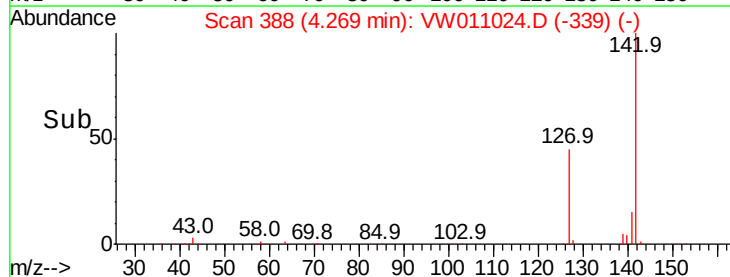
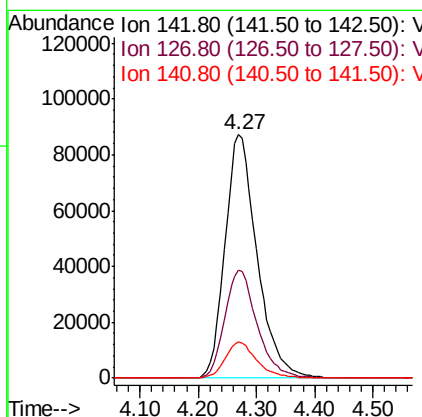
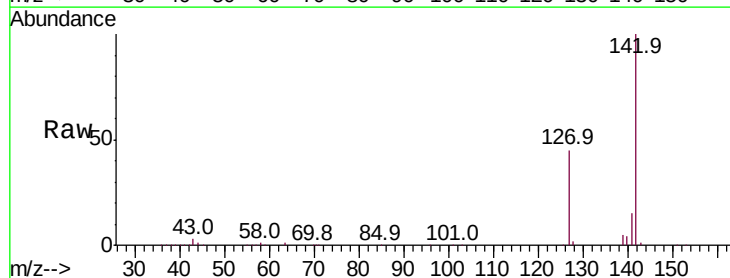
RT: 4.27 min Scan# 388

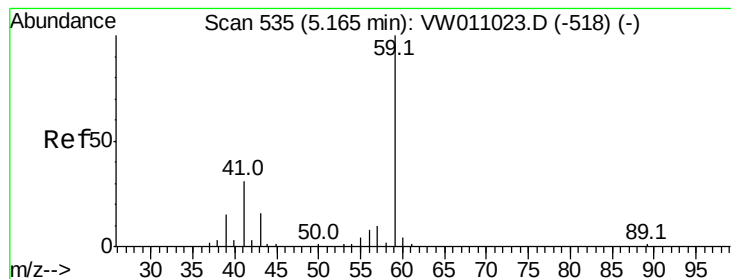
Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion:	142	Resp:	332982
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.8	53.8
141	14.6	12.2	18.2





#11

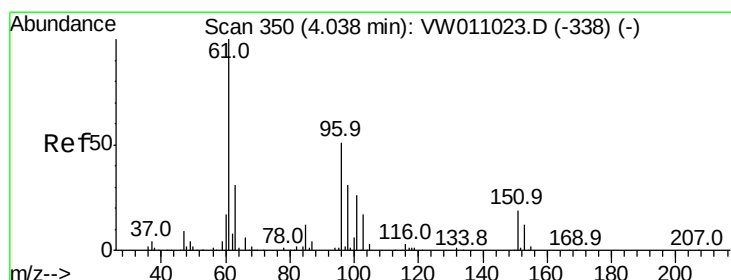
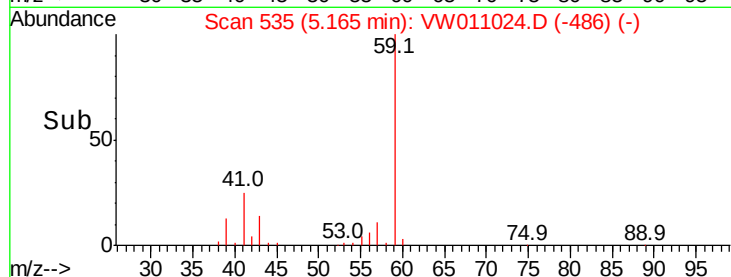
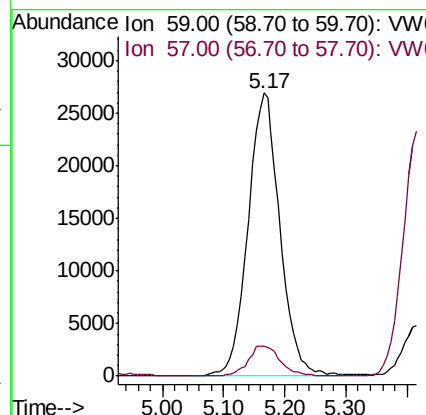
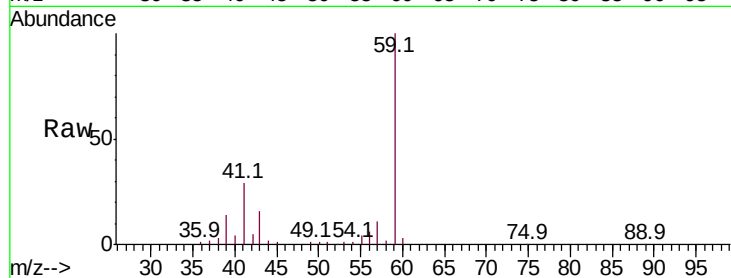
Tert butyl alcohol
Concen: 485.537 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	59	57	Ratio	100	10.7	Resp	97762	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	10.7	Resp	97762	Lower	9.0	Upper	13.4

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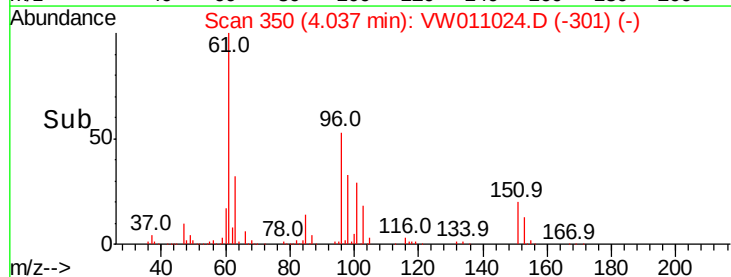
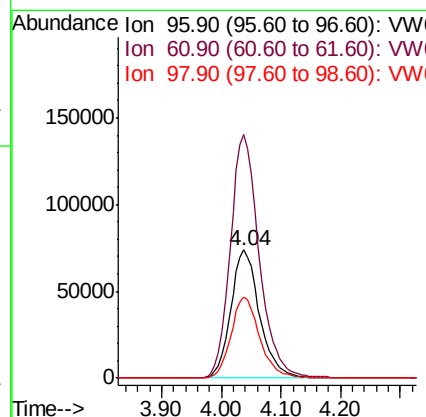
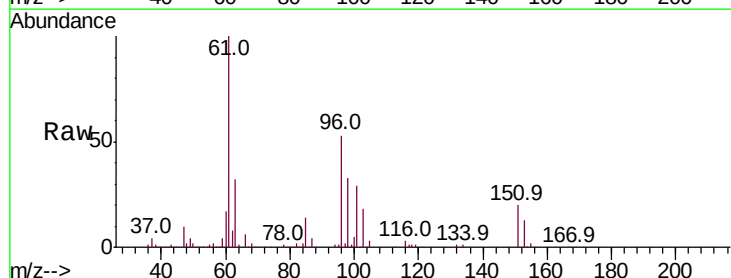
MMDadoda
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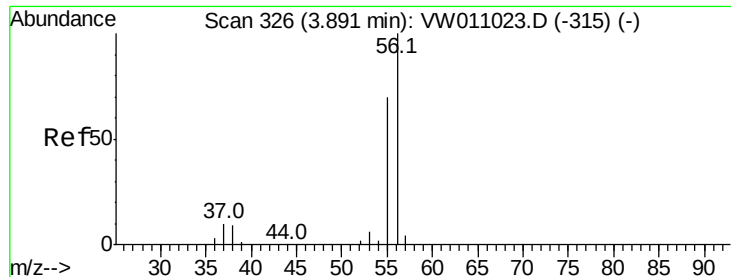


#12

1,1-Dichloroethene
Concen: 118.671 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	96	61	98	Ratio	100	189.7	63.1	Resp	248168	Lower	156.0	48.7	Upper	234.0	73.1
Ion	96	61	98	Ratio	100	189.7	63.1	Resp	248168	Lower	156.0	48.7	Upper	234.0	73.1





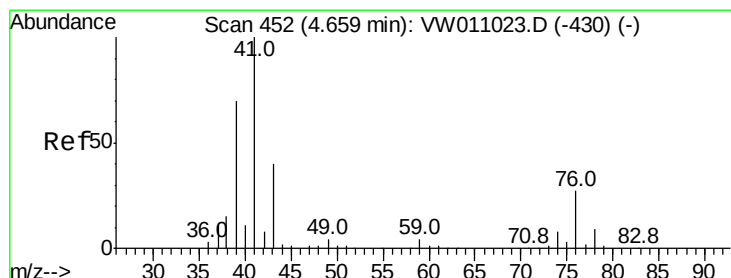
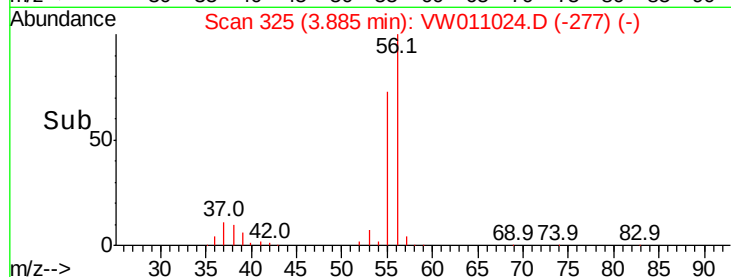
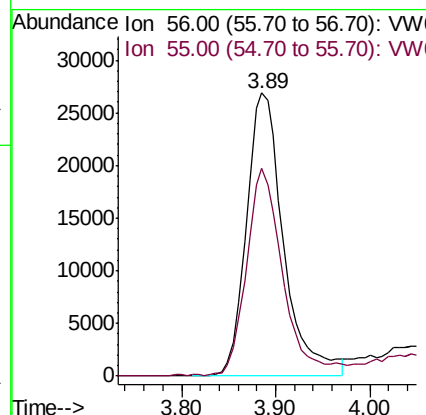
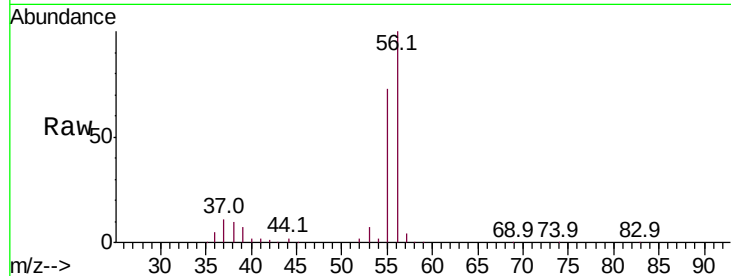
#13
Acrolein
Concen: 772.366 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 56 Resp: 74482
Ion Ratio Lower Upper
56 100
55 71.6 55.7 83.5

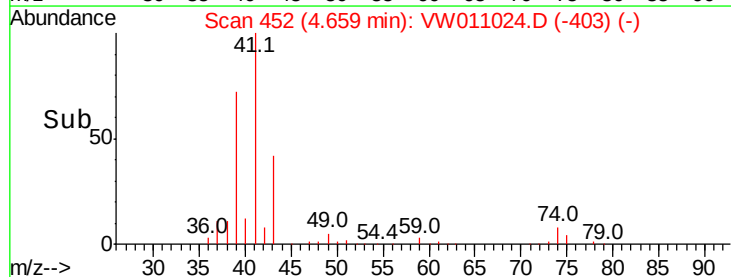
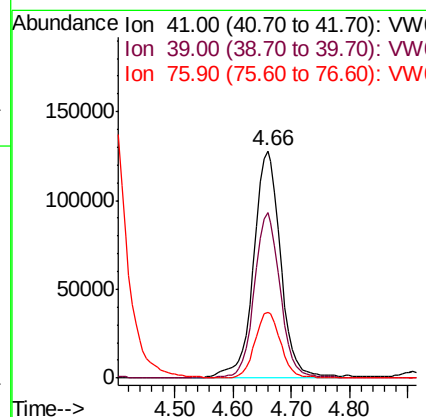
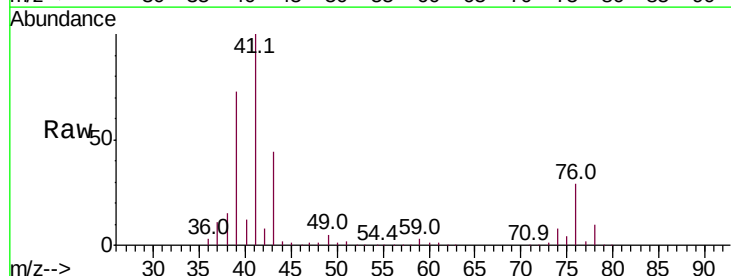
Manual Integrations
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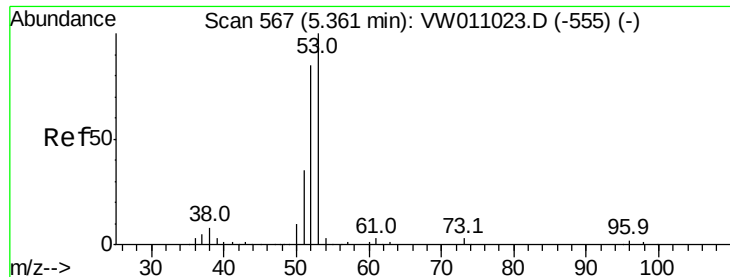
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#14
Allyl chloride
Concen: 93.774 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 41 Resp: 411321
Ion Ratio Lower Upper
41 100
39 69.7 55.4 83.2
76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 558.791 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

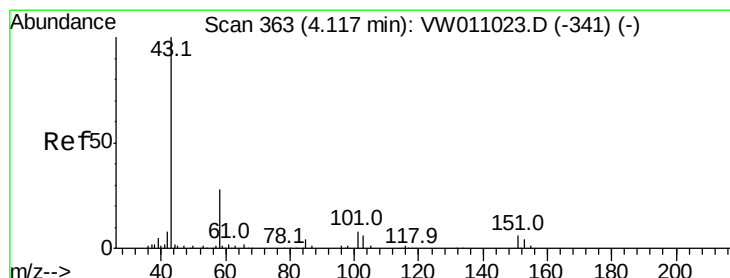
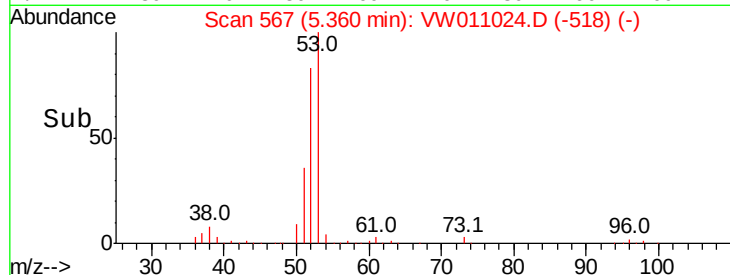
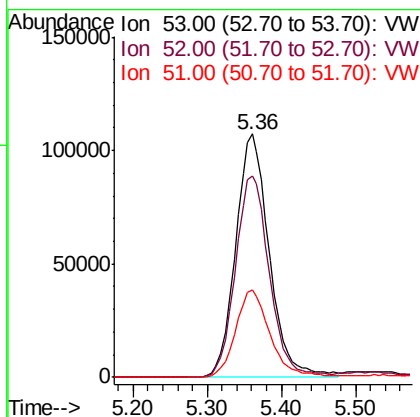
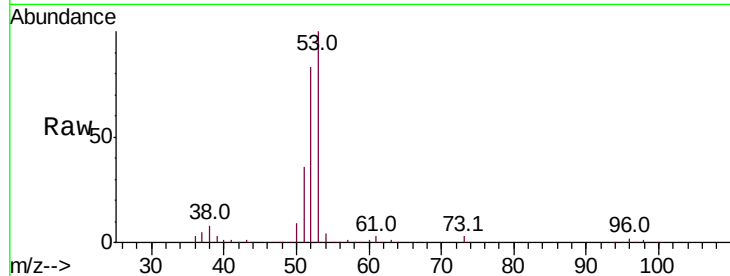
ClientSampled :

VSTDIC100

Tot Ion:	53	Resp:	339333
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.3	99.5
51	37.0	29.8	44.6

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#16

Acetone

Concen: 536.873 ug/l

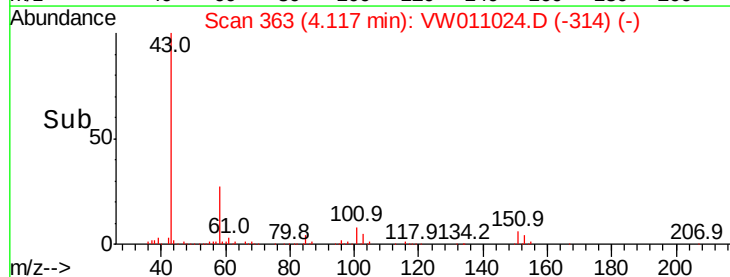
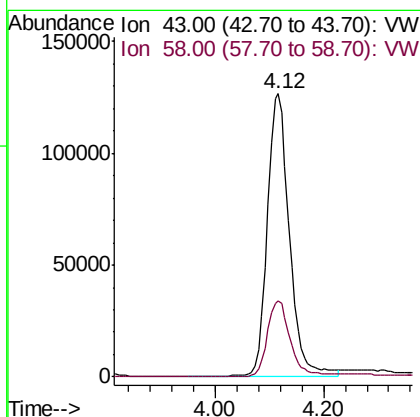
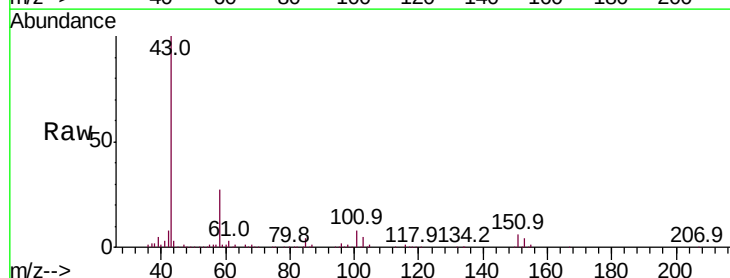
RT: 4.12 min Scan# 363

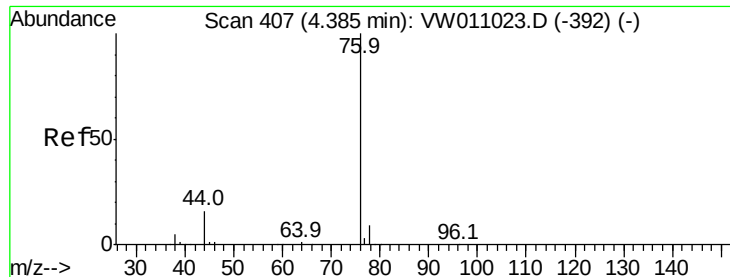
Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion:	43	Resp:	356762
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.5	33.7





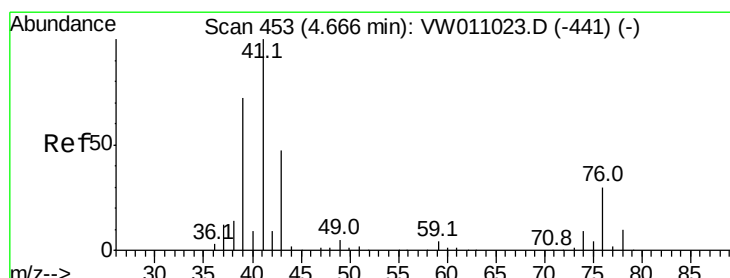
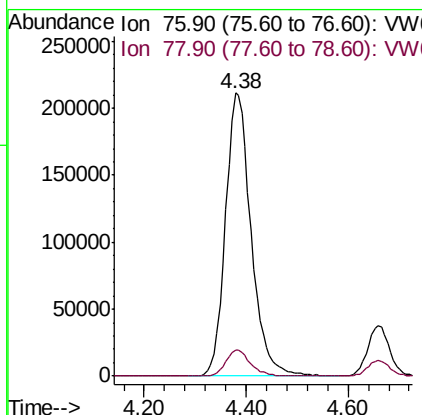
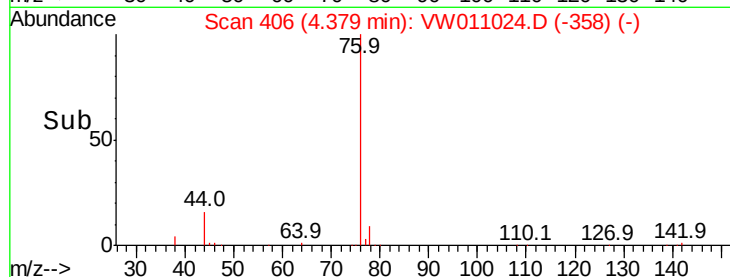
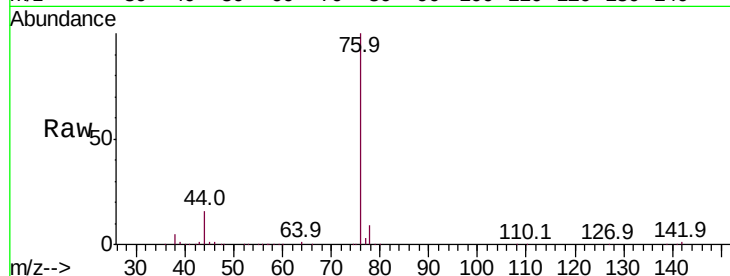
#17
Carbon Disulfide
Concen: 112.355 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 736789
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

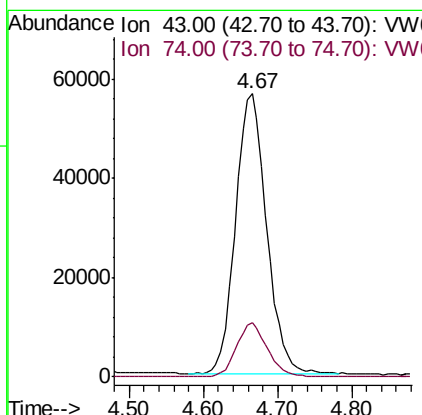
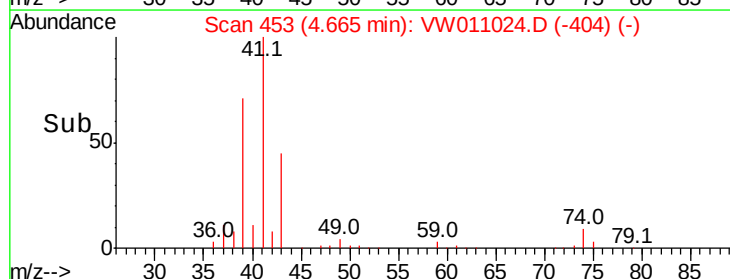
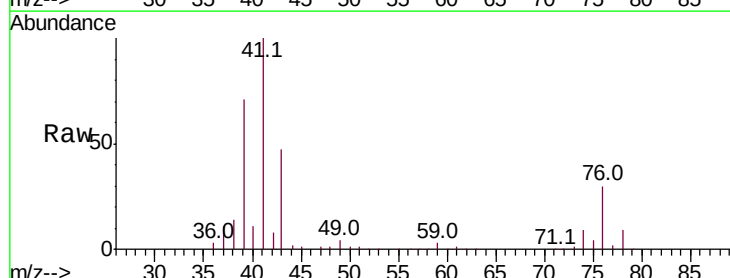
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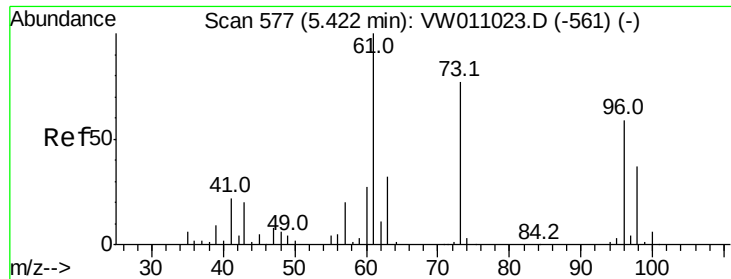
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#18
Methyl Acetate
Concen: 112.035 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 43 Resp: 165069
Ion Ratio Lower Upper
43 100
74 19.3 15.8 23.8





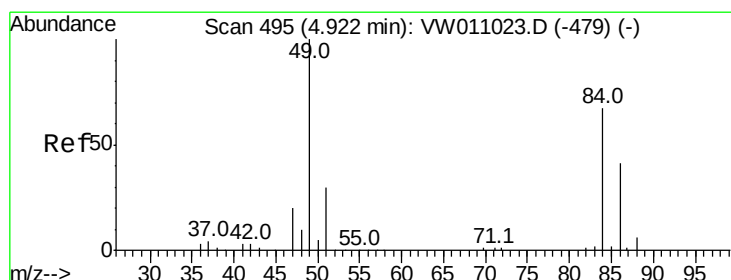
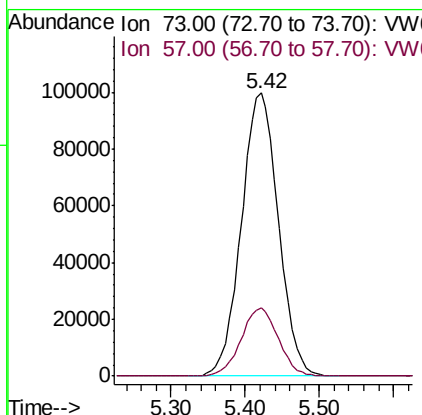
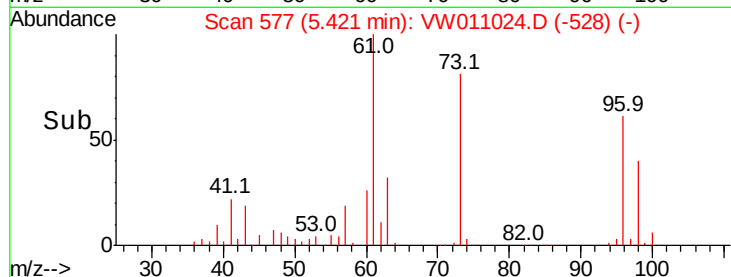
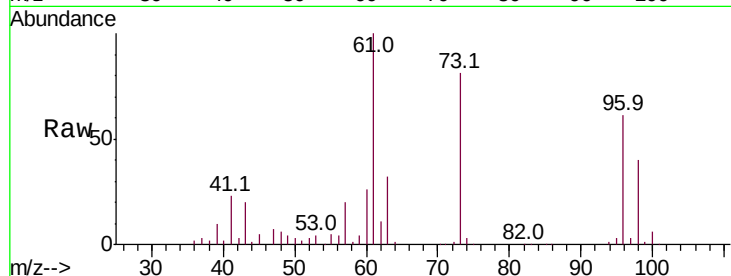
#19
Methyl tert-butyl Ether
Concen: 63.342 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 347023
Ion Ratio Lower Upper
73 100
57 24.2 20.8 31.2

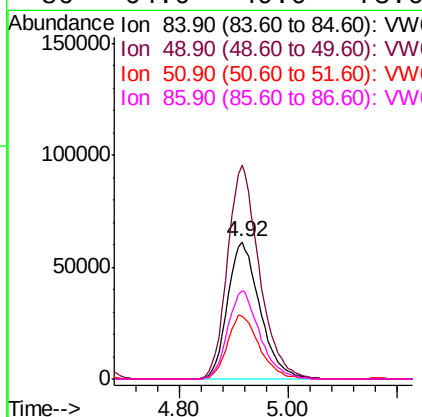
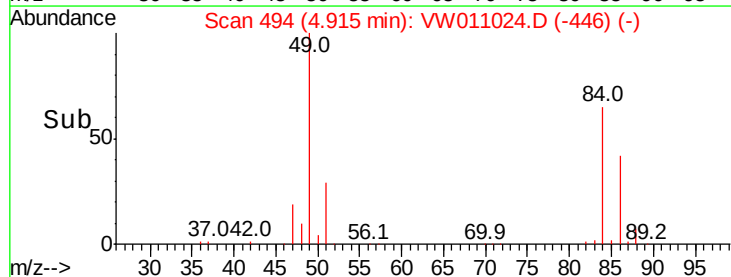
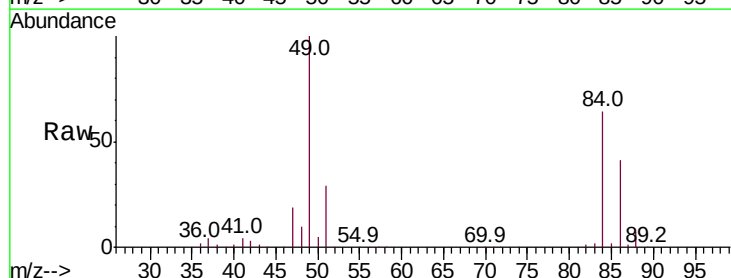
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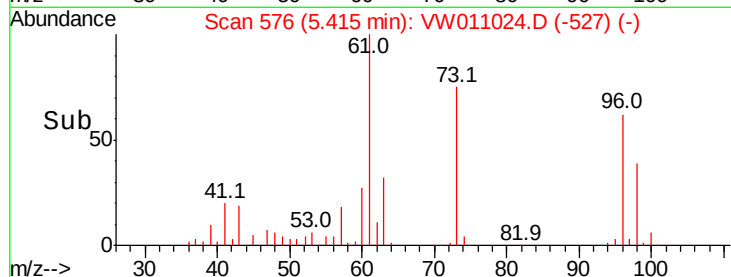
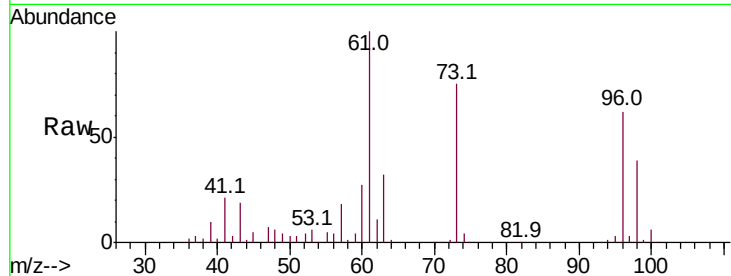
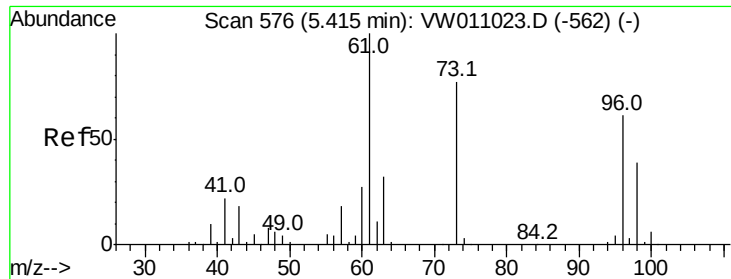
MMDadoda
6/28/2019 10:25:09 AM



#20
Methylene Chloride
Concen: 106.636 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 84 Resp: 253400
Ion Ratio Lower Upper
84 100
49 155.7 119.6 179.4
51 45.8 35.6 53.4
86 64.0 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 108.755 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011024.D

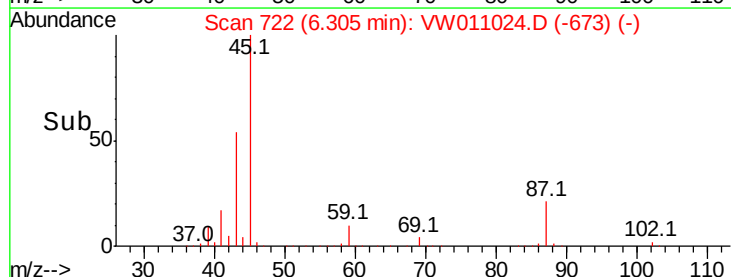
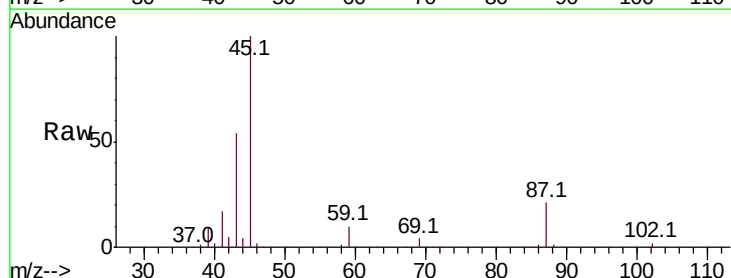
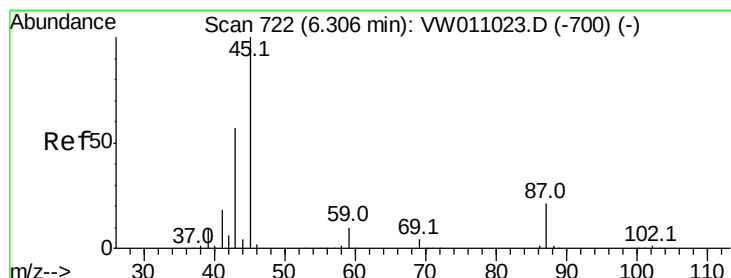
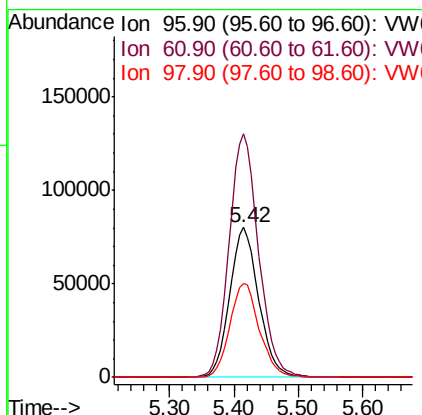
Acq: 27 Jun 2019 16:49

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.2	131.0	196.4
98	62.6	50.8	76.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

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#22

Diisopropyl ether

Concen: 105.754 ug/l

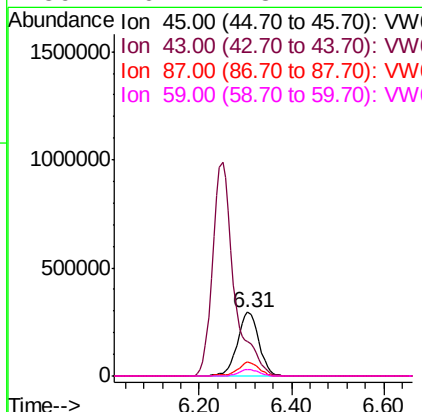
RT: 6.31 min Scan# 722

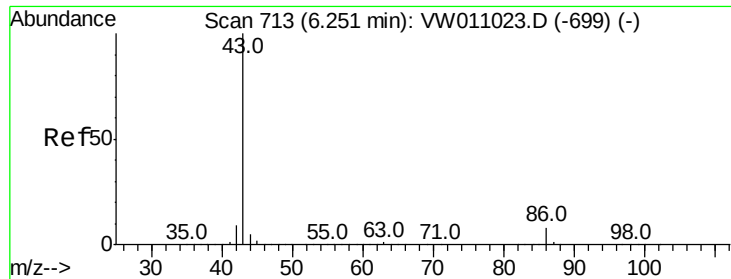
Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.8	45.8	68.6
87	21.1	17.1	25.7
59	10.2	8.2	12.4





#23

Vinyl Acetate

Concen: 581.628 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3191514

Ion Ratio Lower Upper

43 100

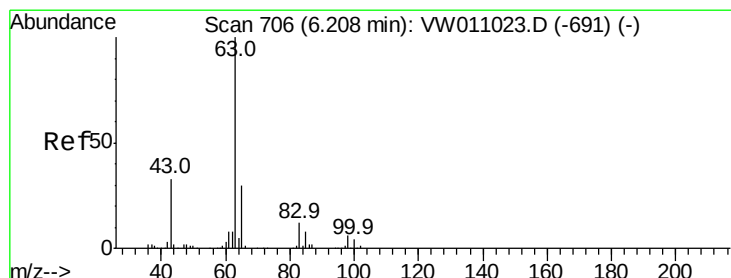
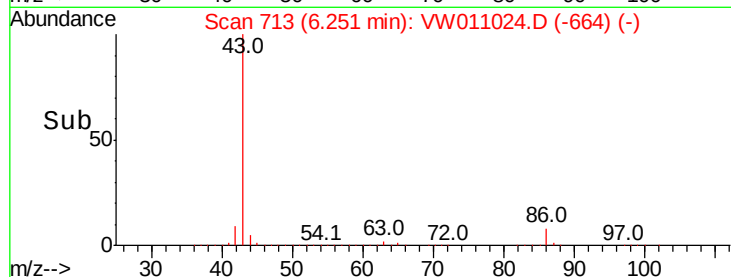
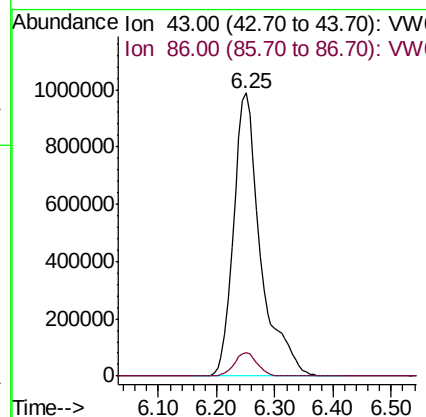
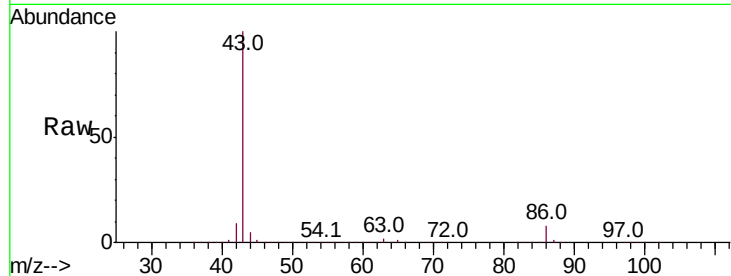
86 8.3 6.6 10.0

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#24

1,1-Dichloroethane

Concen: 110.378 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

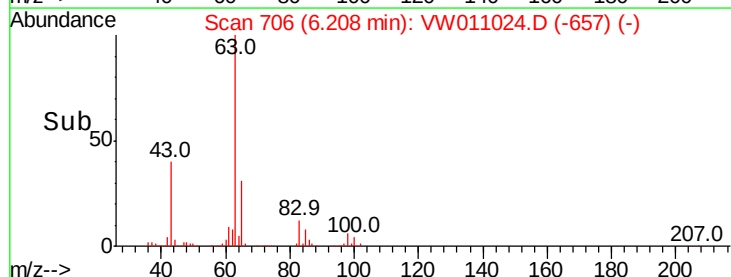
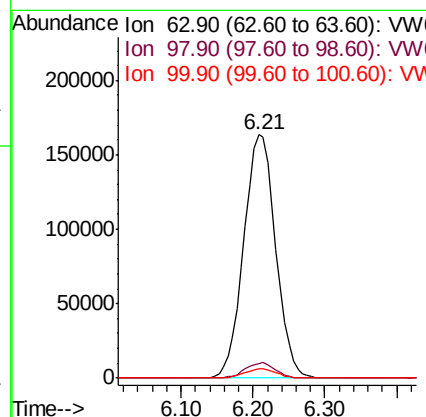
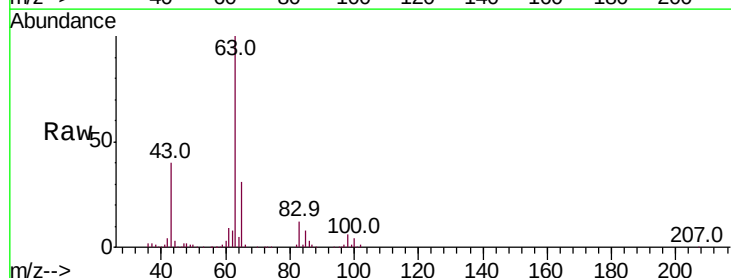
Tgt Ion: 63 Resp: 503312

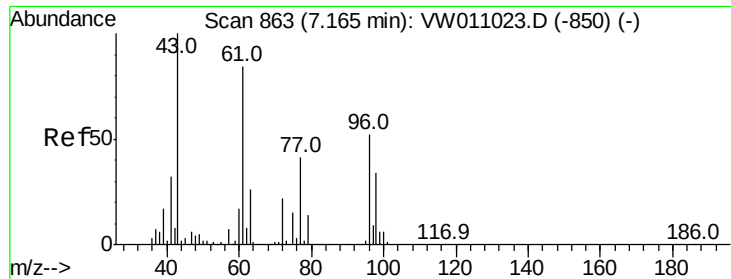
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 581.553 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 544067

Ion Ratio Lower Upper

43 100

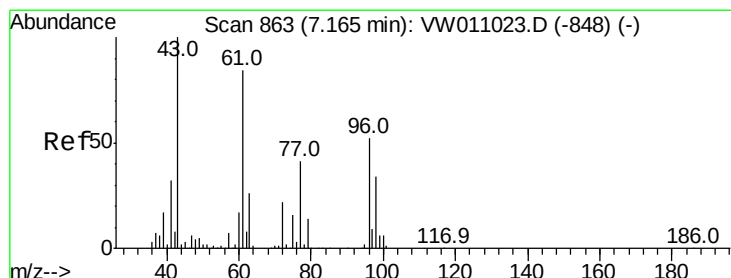
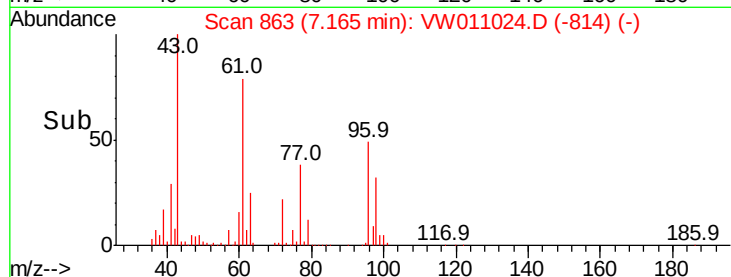
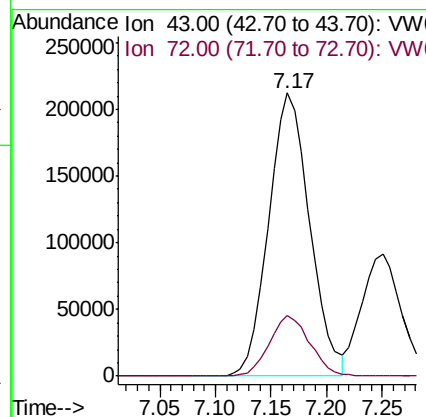
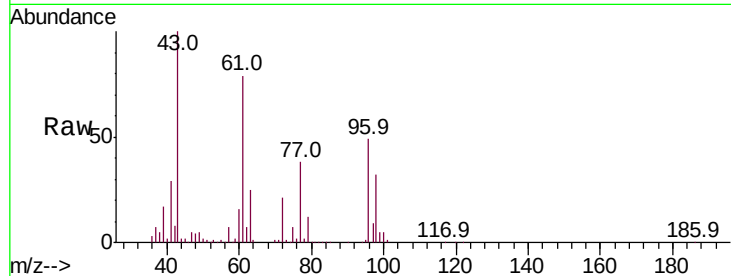
72 21.5 17.2 25.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 69.374 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011024.D

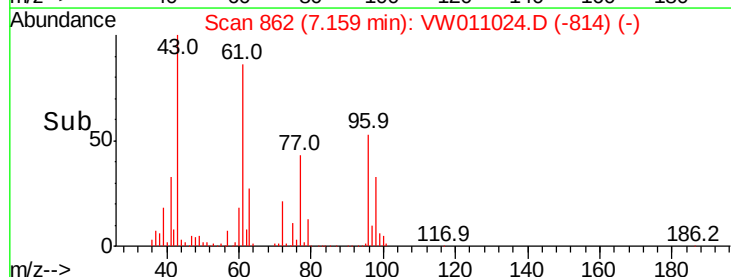
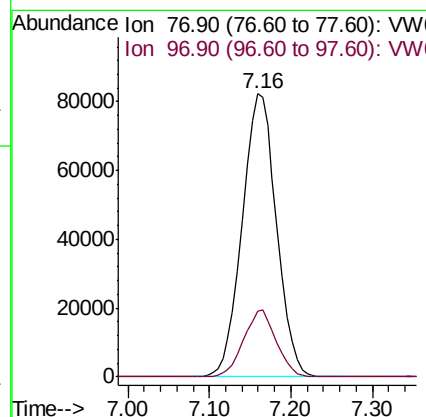
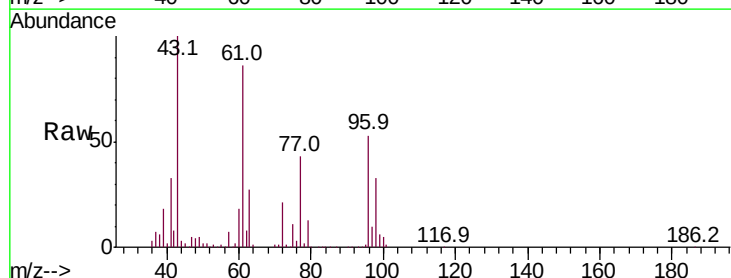
Acq: 27 Jun 2019 16:49

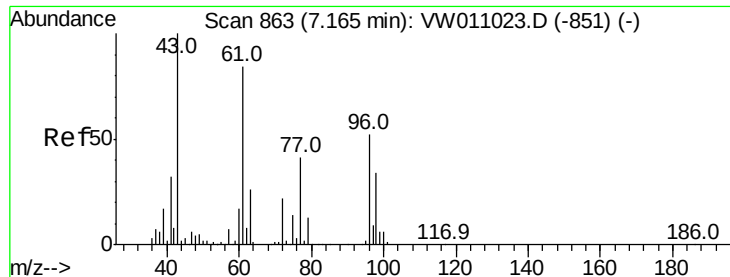
Tgt Ion: 77 Resp: 239974

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.7





#27

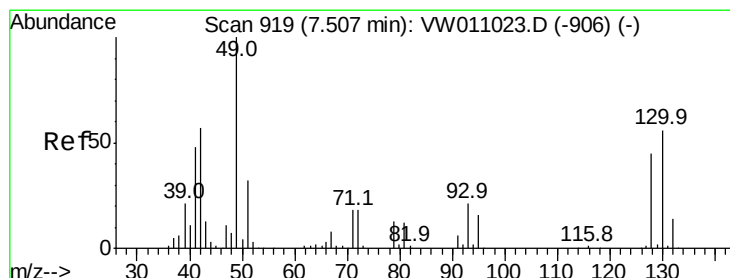
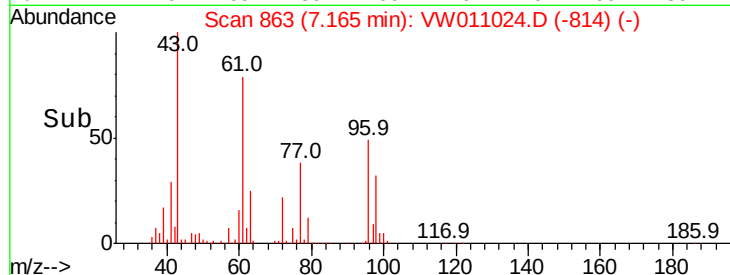
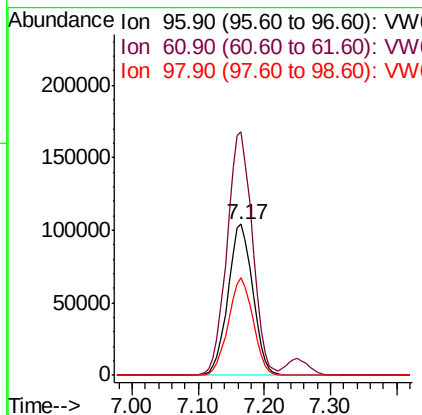
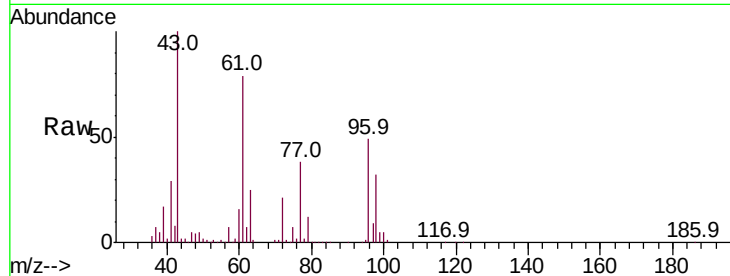
cis-1,2-Dichloroethene
Concen: 106.257 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	271389		
61	164.1	0.0	330.4	
98	64.0	0.0	129.4	

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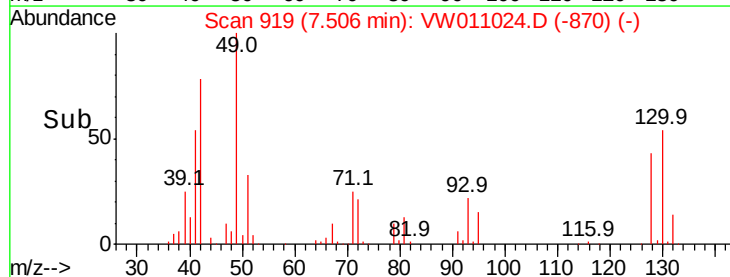
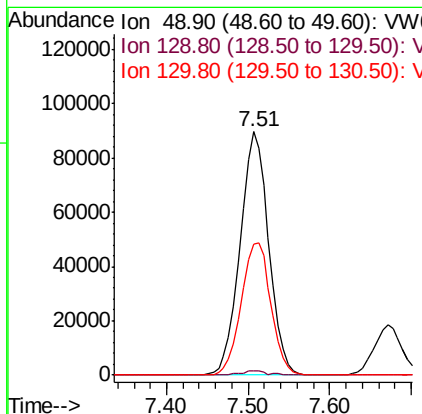
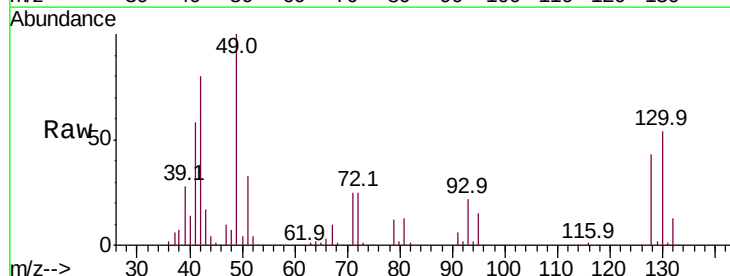
MMDadoda
6/28/2019 10:25:09 AM

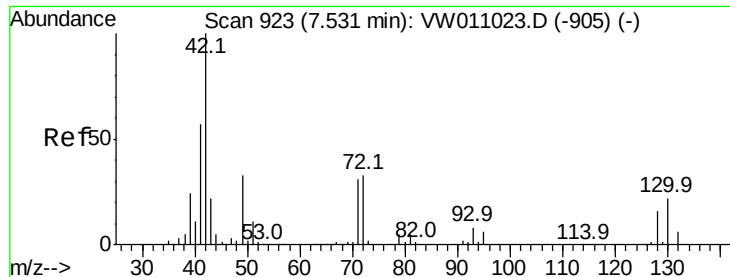


#28

Bromochloromethane
Concen: 104.127 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217362		
129	1.6	0.0	3.4	
130	56.5	46.1	69.1	





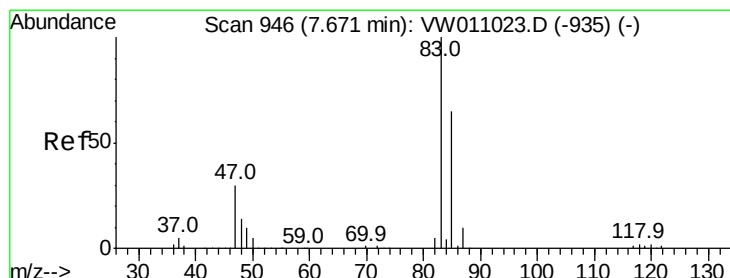
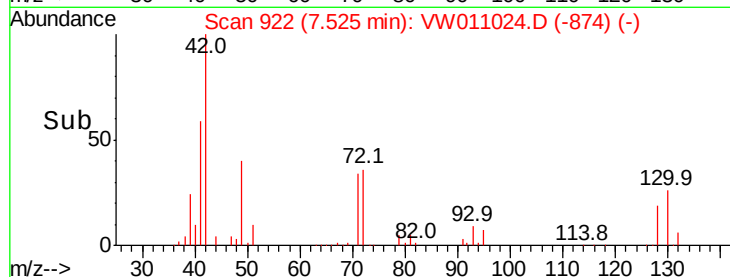
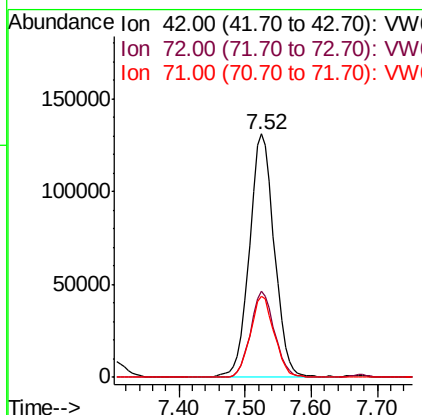
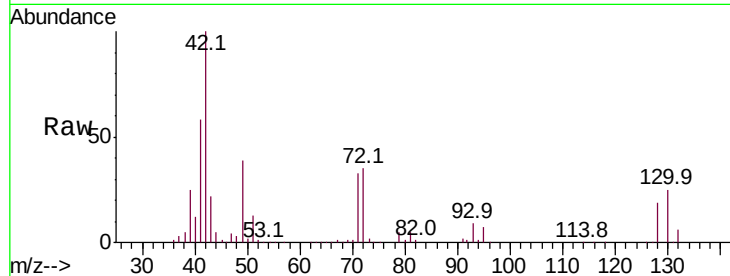
#29
Tetrahydrofuran
Concen: 580.633 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.4	41.0
71	32.2	25.6	38.4

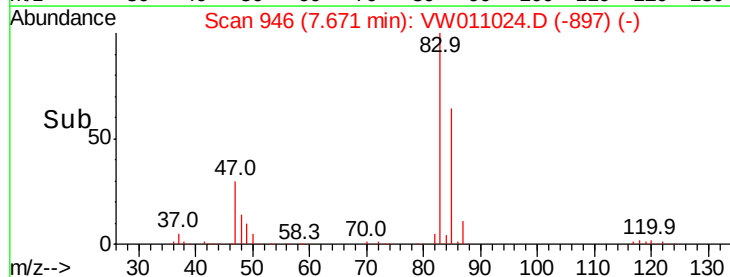
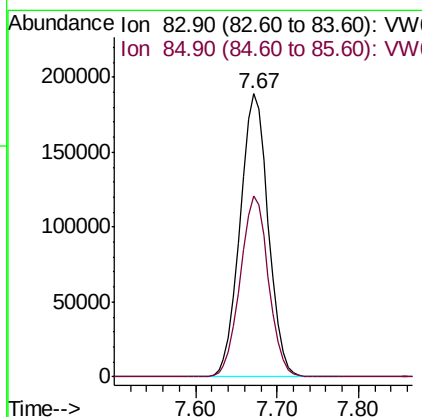
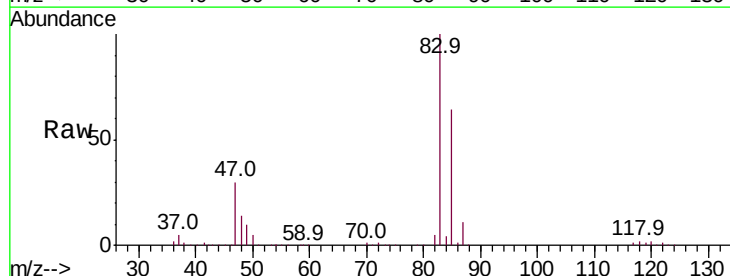
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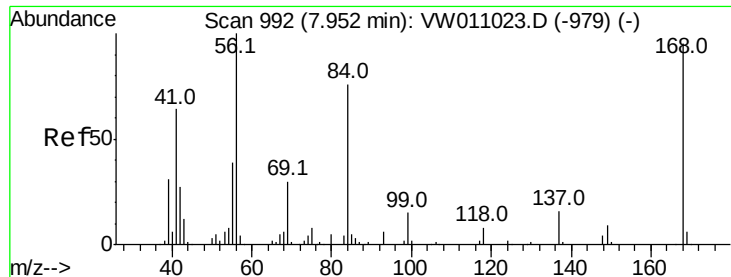
MMDadoda
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#30
Chloroform
Concen: 108.591 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4





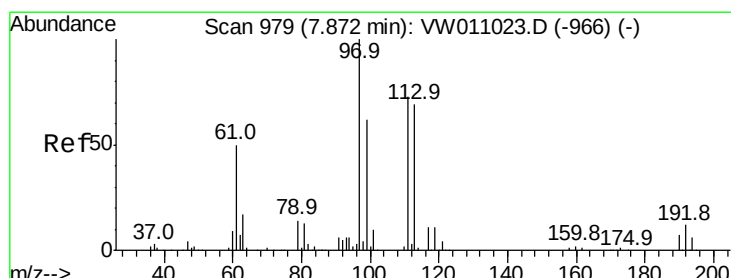
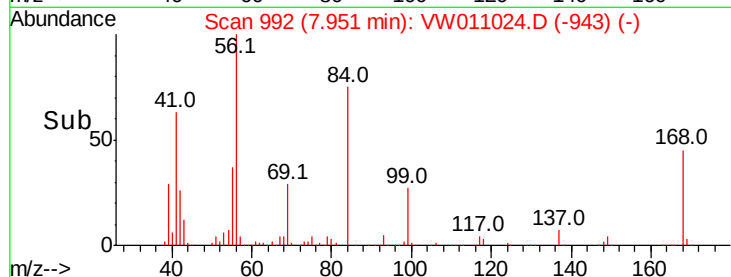
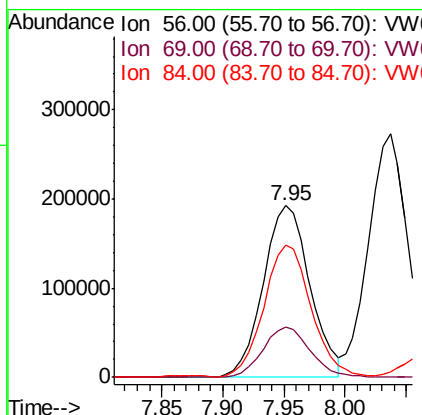
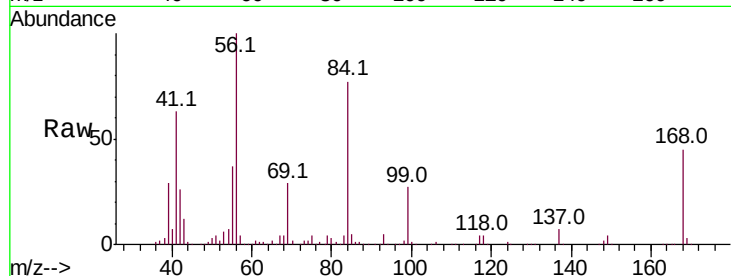
#31
Cyclohexane
Concen: 101.770 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.2	36.2
84	75.7	60.6	90.8

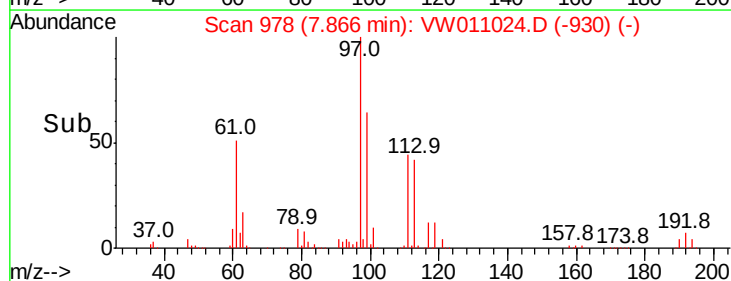
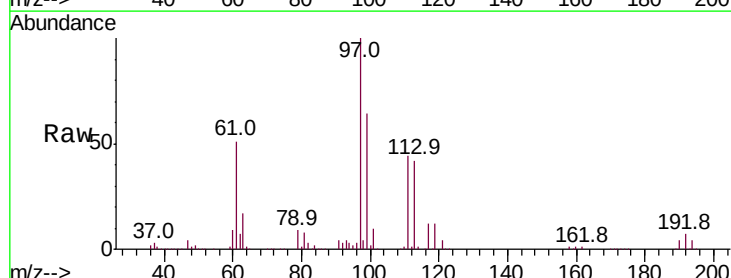
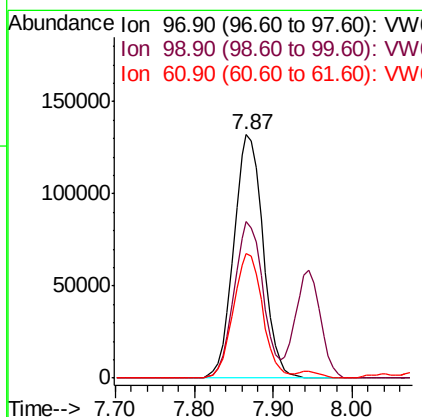
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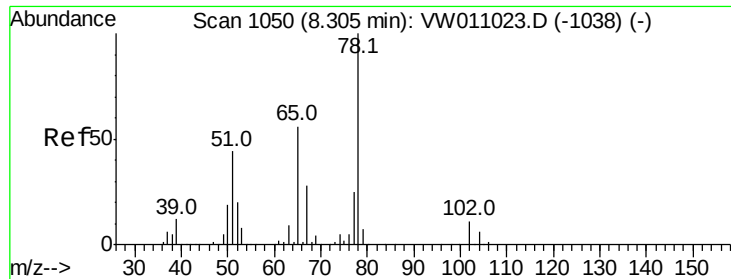
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 96.135 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	51.0	41.4	62.2





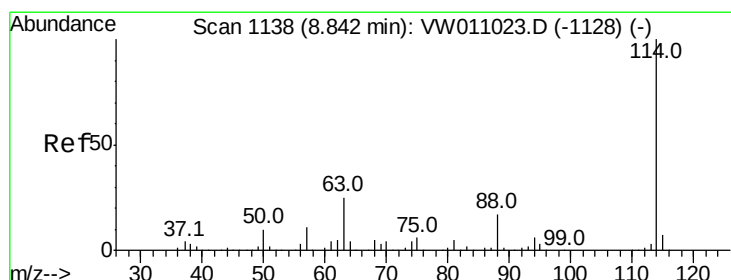
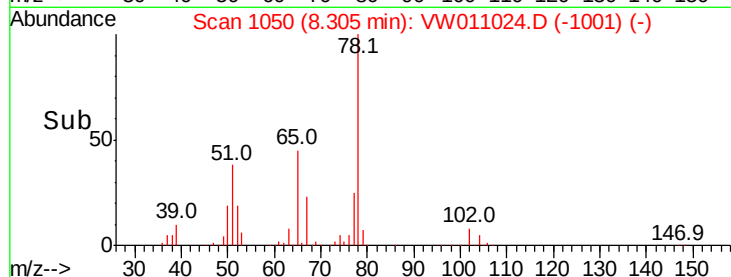
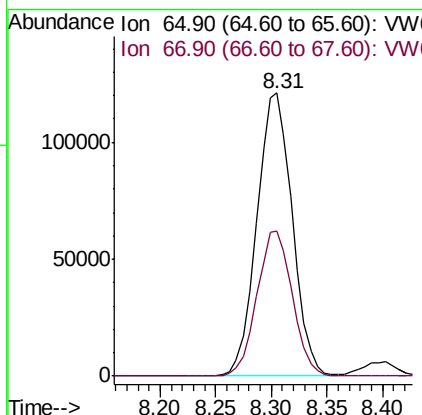
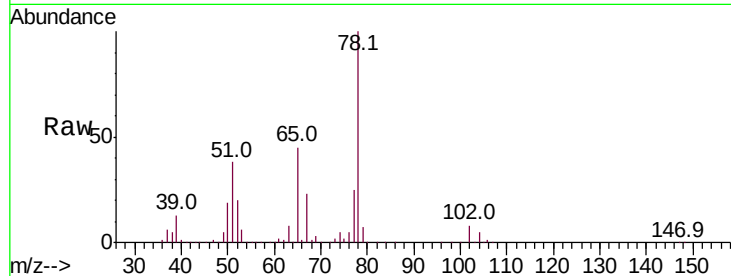
#33
 1,2-Dichloroethane-d4
 Concen: 103.398 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.4

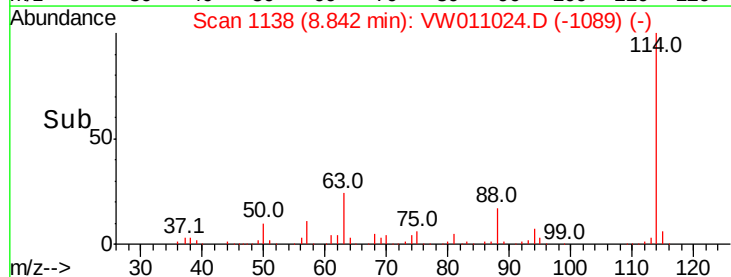
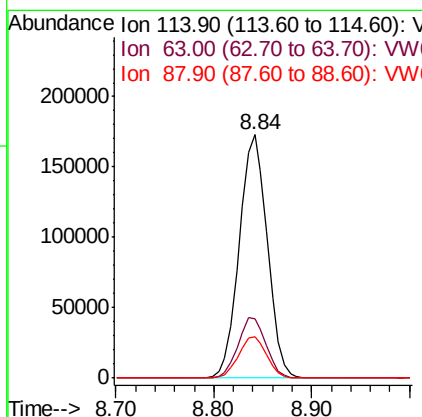
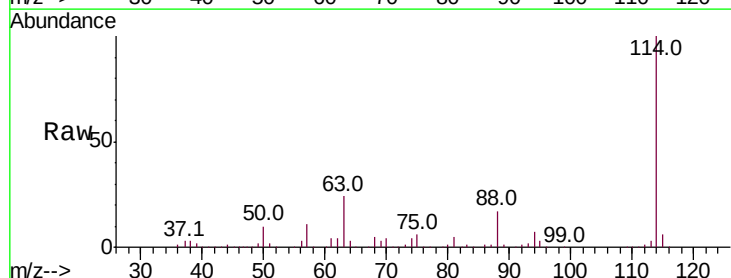
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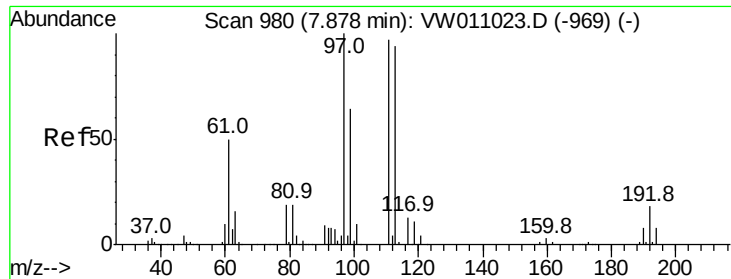
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	50.6
88	16.8	0.0	34.0





#35

Dibromofluoromethane

Concen: 108.198 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

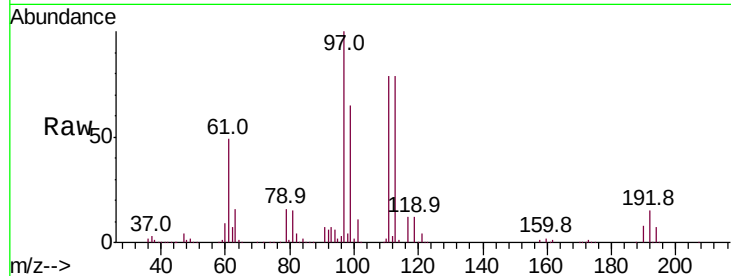
ClientSampleId :

VSTDIC100

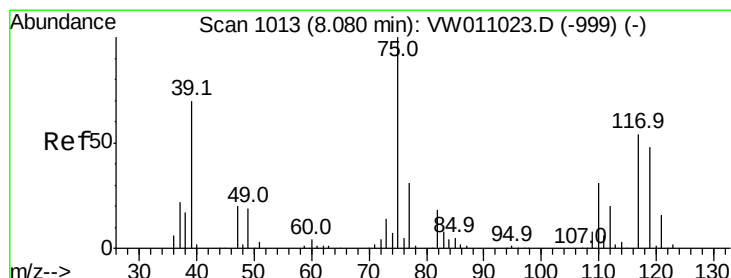
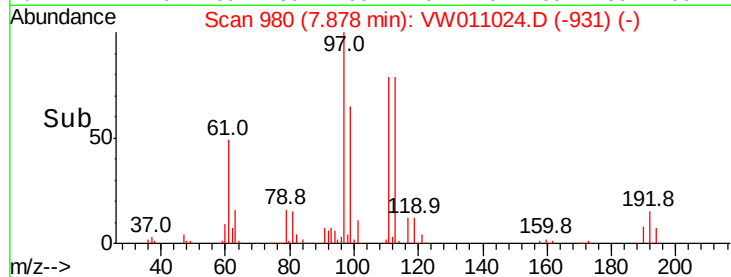
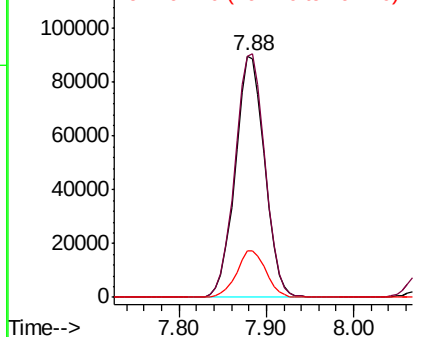
Tot Ion:	113	Resp:	209401
Ion Ratio	Lower	Upper	
113	100		
111	103.3	83.8	125.6
192	19.5	16.0	24.0

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 107.752 ug/l

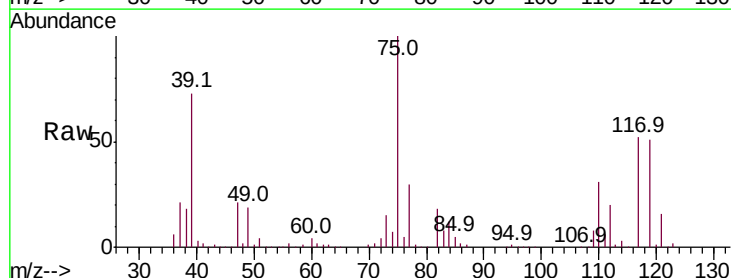
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

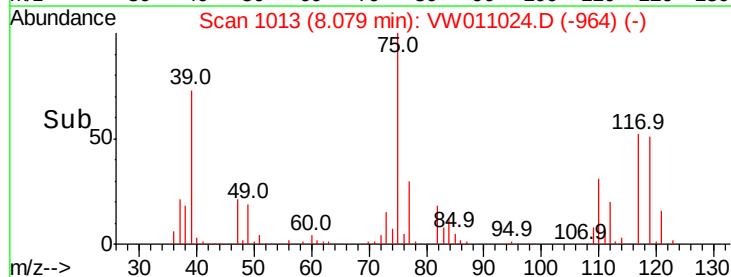
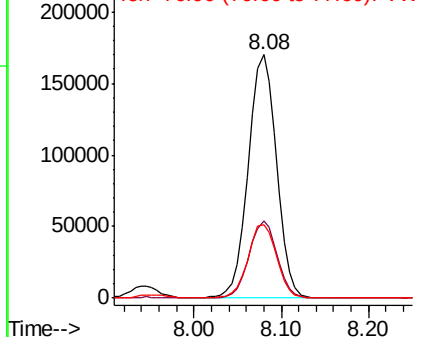
Lab File: VW011024.D

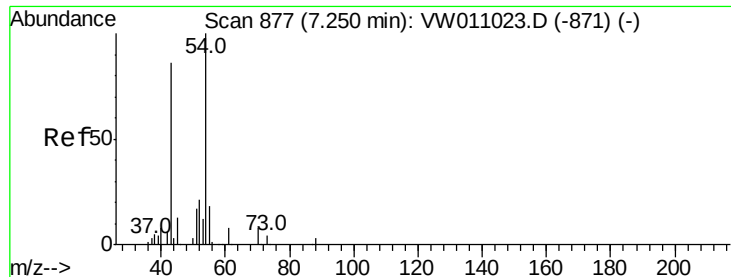
Acq: 27 Jun 2019 16:49

Tgt Ion:	75	Resp:	382016
Ion Ratio	Lower	Upper	
75	100		
110	31.4	15.5	46.5
77	30.9	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





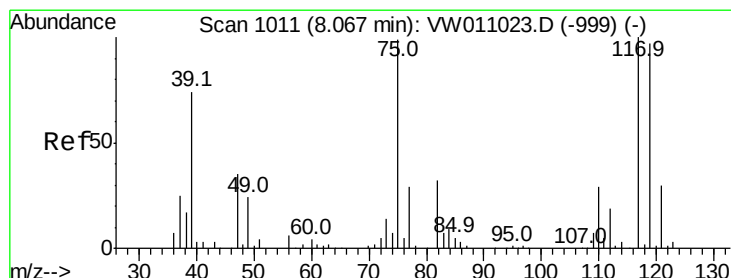
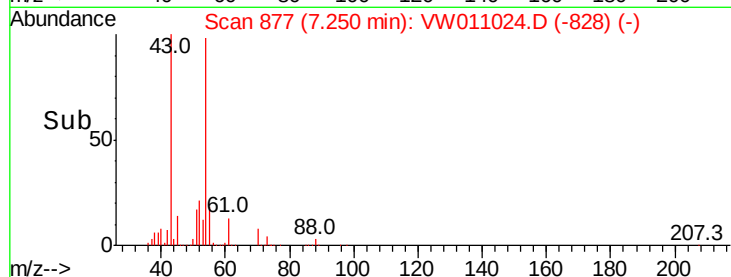
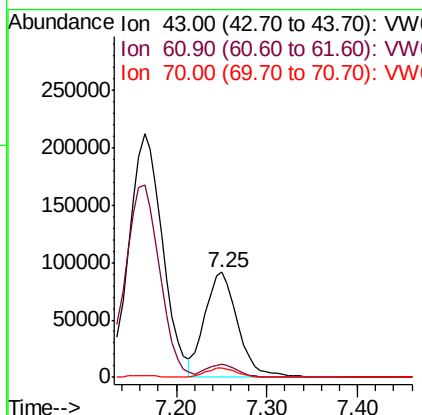
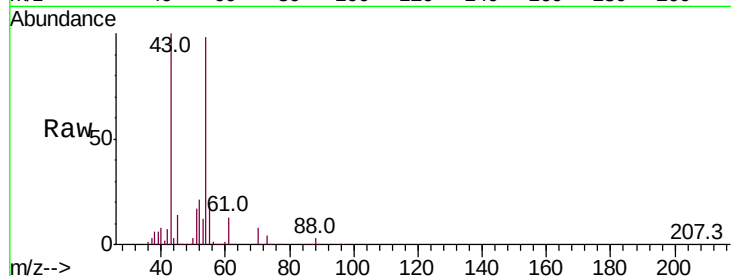
#37
Ethyl Acetate
Concen: 116.378 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.0	13.4
70	8.6	7.2	10.8

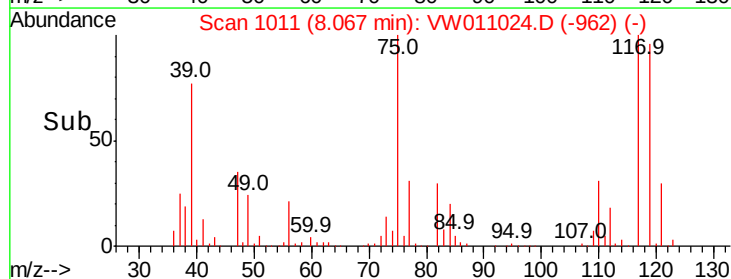
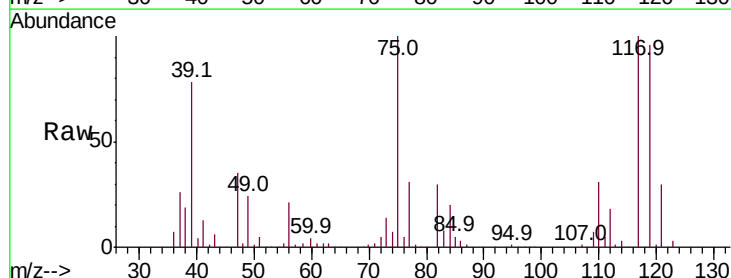
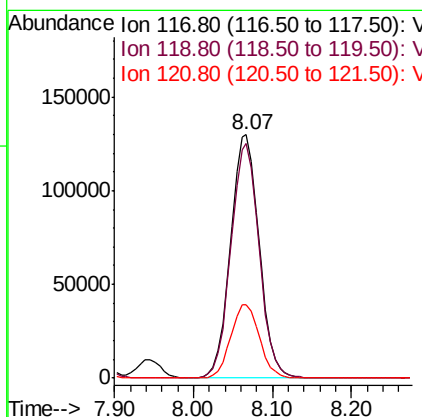
Manual Integrations
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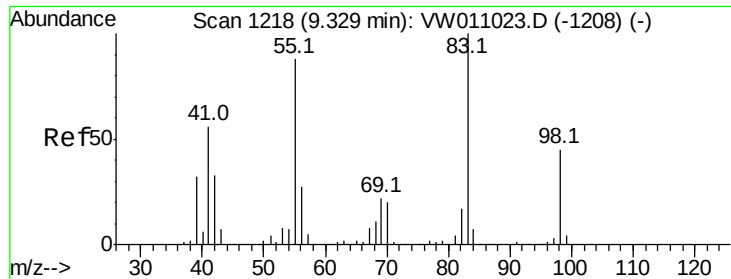
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#38
Carbon Tetrachloride
Concen: 107.928 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.7	116.5
121	30.0	23.9	35.9





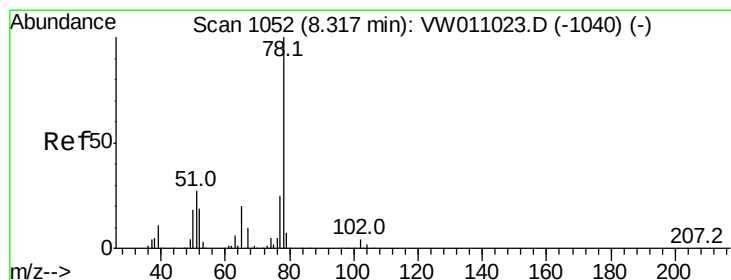
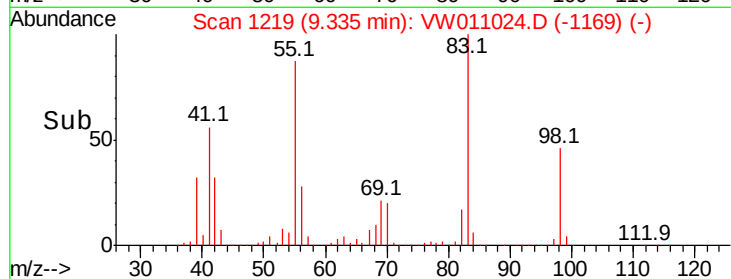
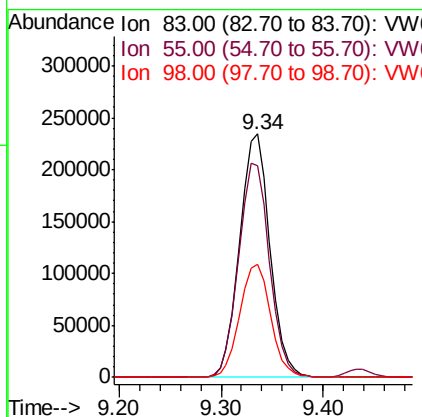
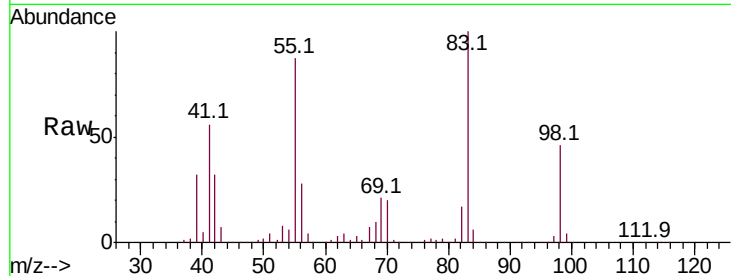
#39
Methylvlcyclohexane
Concen: 108.467 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	70.7	106.1
98	46.3	36.4	54.6

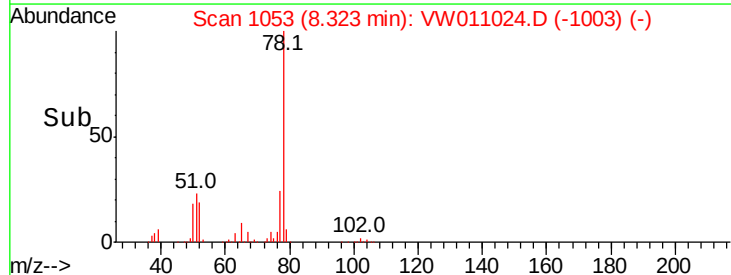
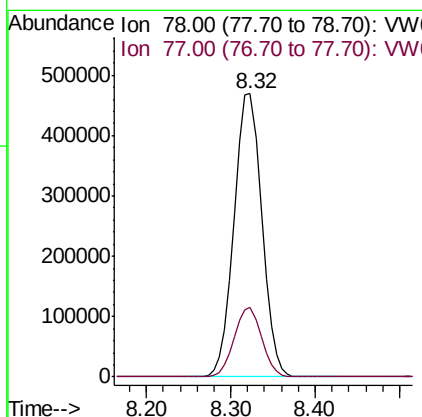
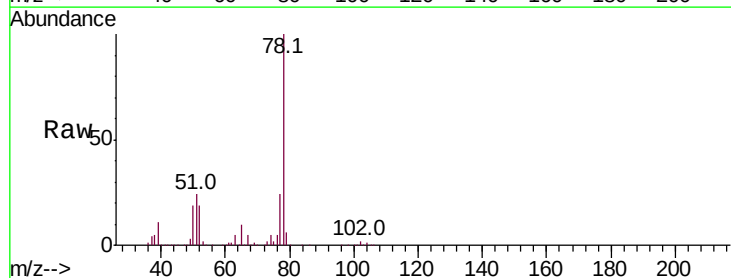
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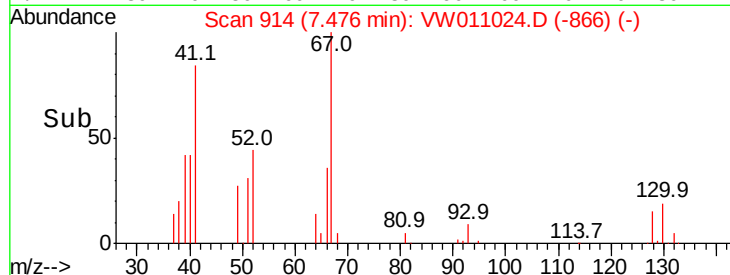
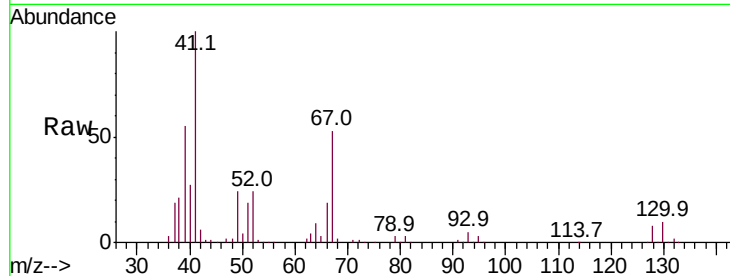
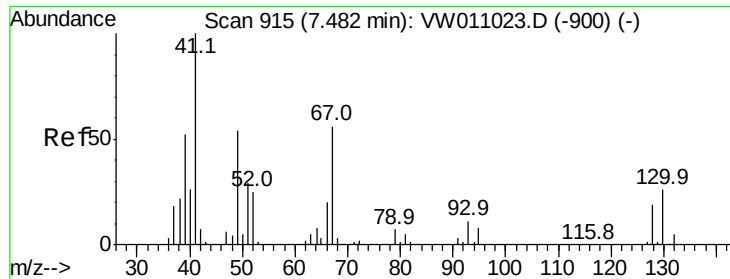
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#40
Benzene
Concen: 108.062 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.7	29.5





#41

Methacrylonitrile

Concen: 107.922 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		128447		
39	61.7	42.1	63.1		
67	60.8	44.2	66.2		
52	27.8	21.0	31.6		

Instrument :

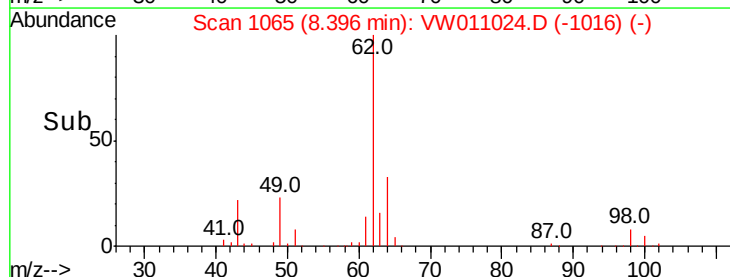
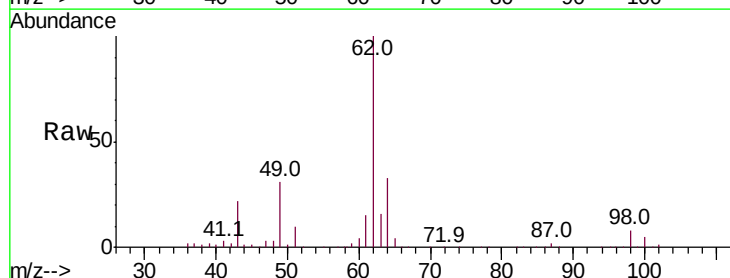
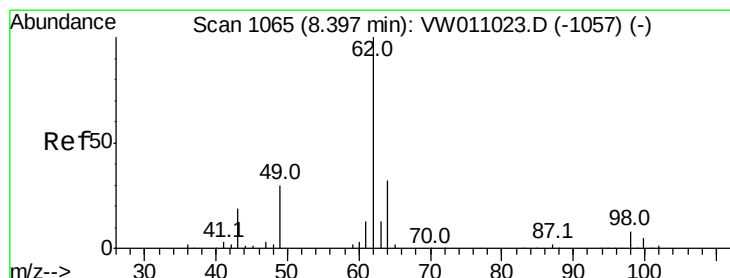
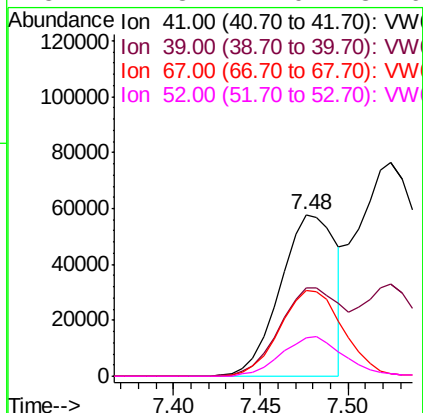
MSVOA_W

ClientSampleId :

VSTDIC100

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 110.224 ug/l

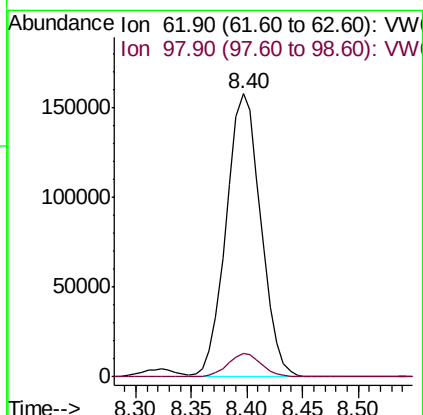
RT: 8.40 min Scan# 1065

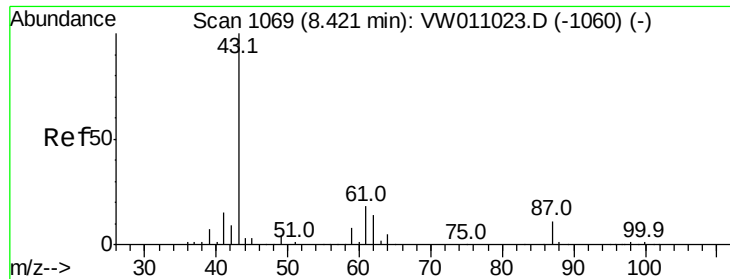
Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		340257		
98	8.2	0.0	16.8		





#43

Isopropyl Acetate

Concen: 116.587 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

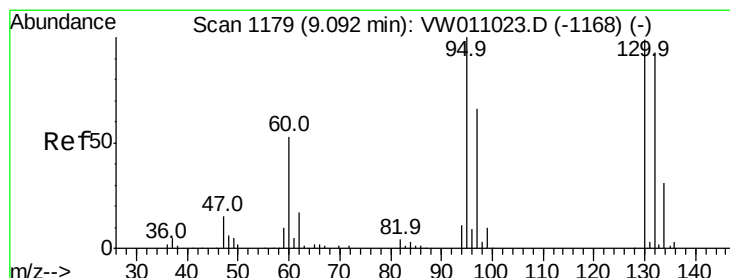
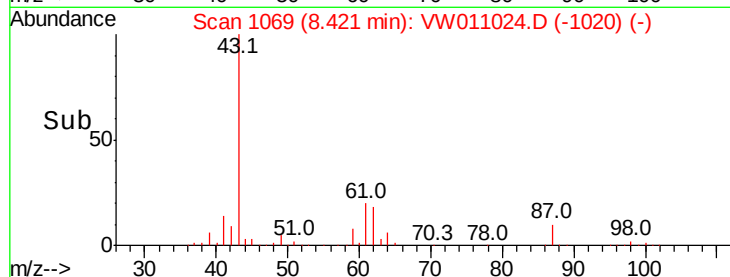
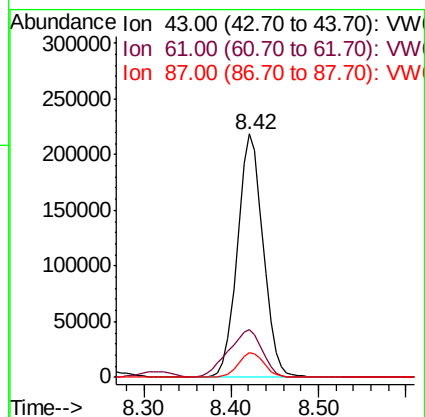
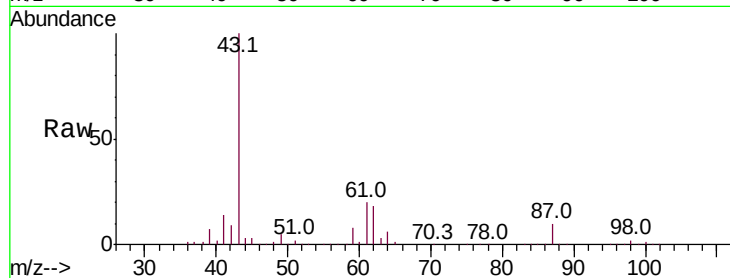
ClientSampleId :

VSTDICC100

Tot Ion:	43	Resp:	445800
Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.0	31.6
87	10.4	8.2	12.4

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#44

Trichloroethene

Concen: 107.084 ug/l

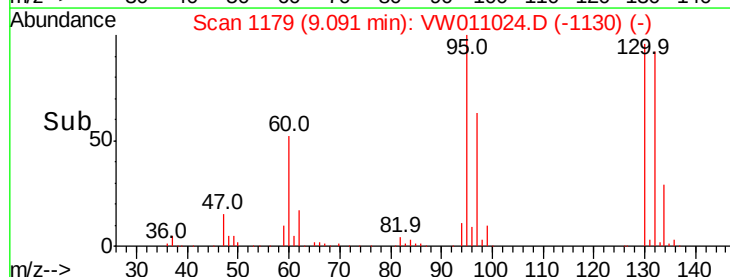
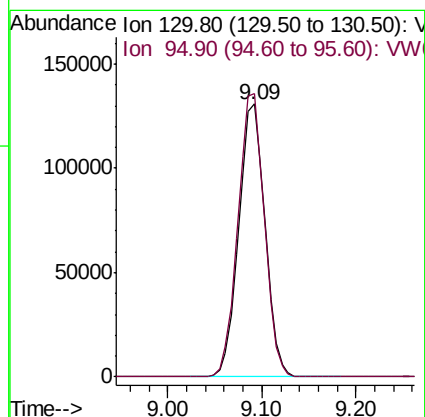
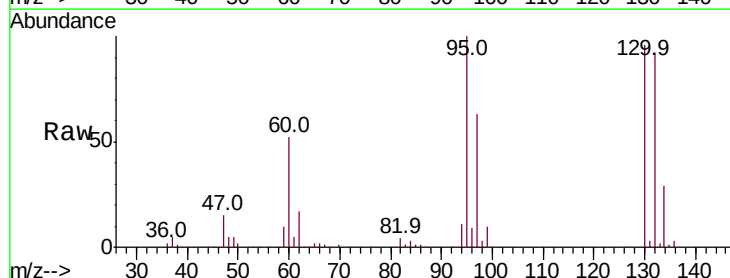
RT: 9.09 min Scan# 1179

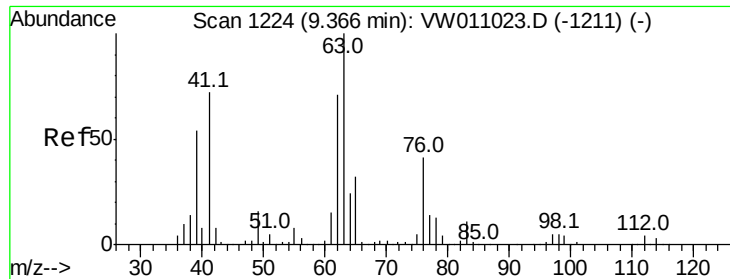
Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion:	130	Resp:	255028
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	202.0





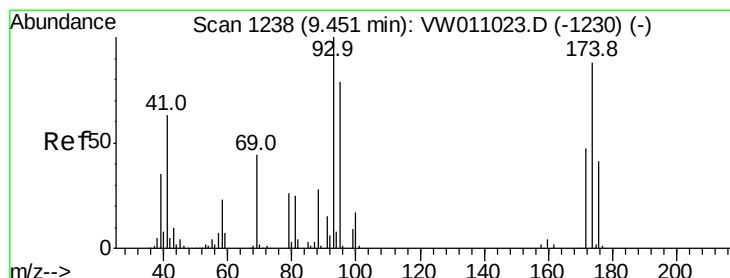
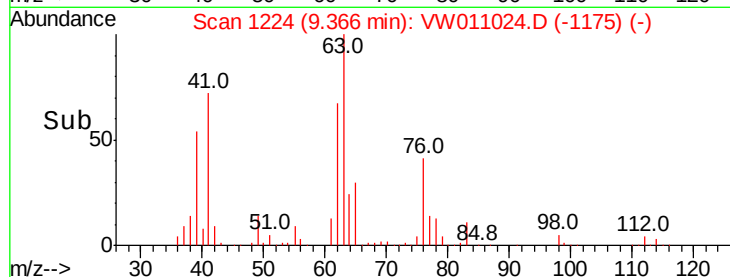
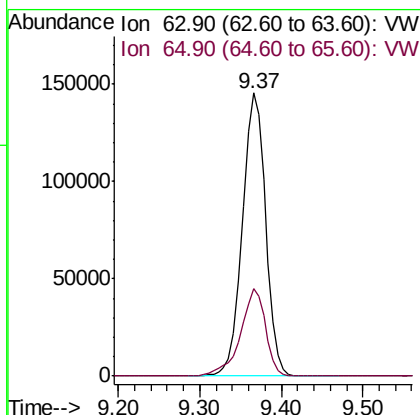
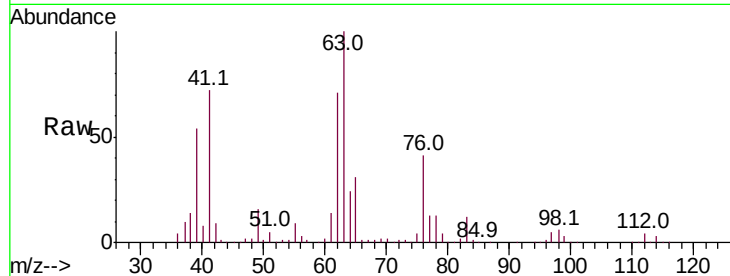
#45
 1,2-Dichloropropane
 Concen: 111.677 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 287143
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.6 38.4

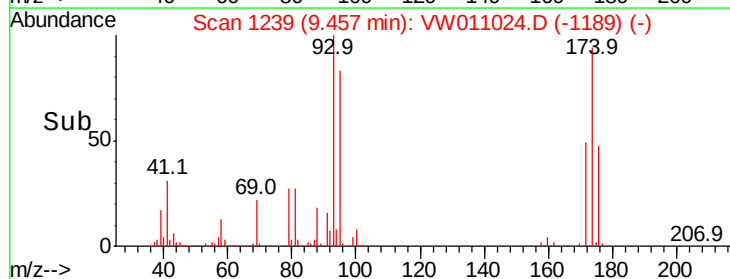
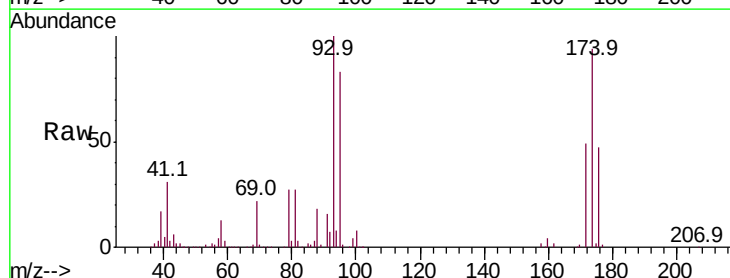
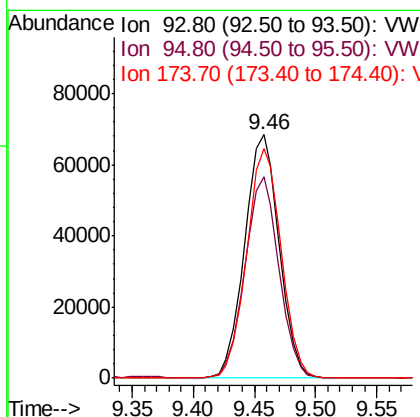
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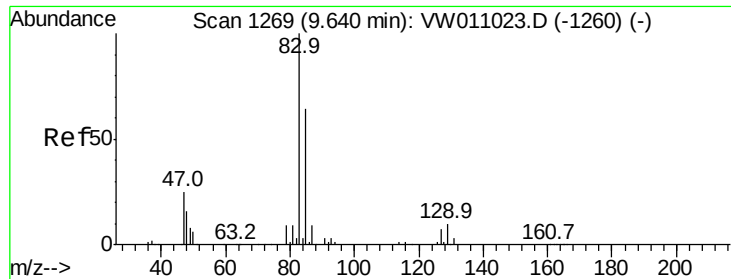
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#46
 Dibromomethane
 Concen: 112.004 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion: 93 Resp: 134072
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.8 98.6
 174 94.3 75.4 113.0





#47

Bromodichloromethane

Concen: 112.943 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

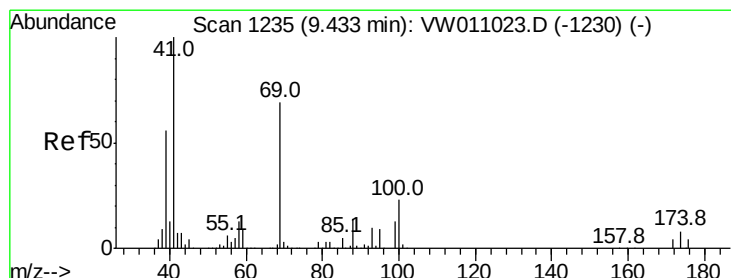
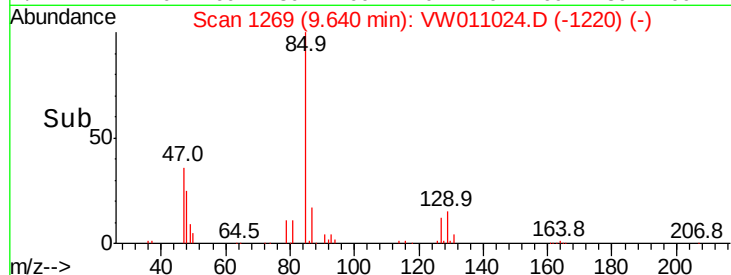
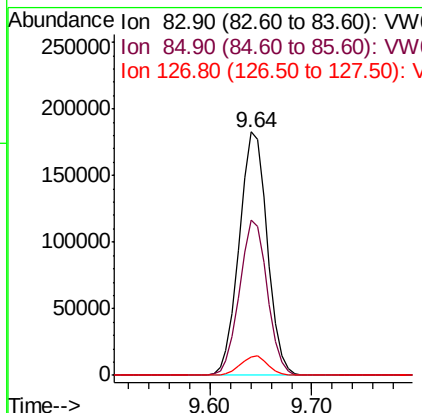
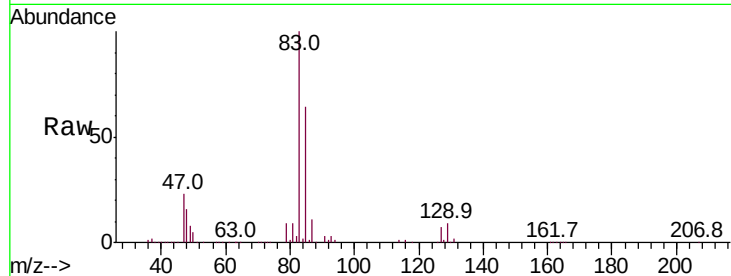
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	347408
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.0	76.4
127	7.5	5.8	8.8

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#48

Methyl methacrylate

Concen: 119.200 ug/l

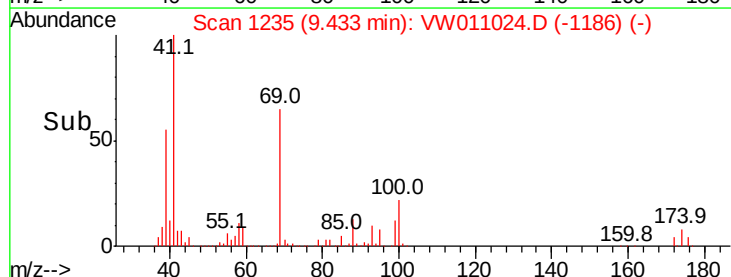
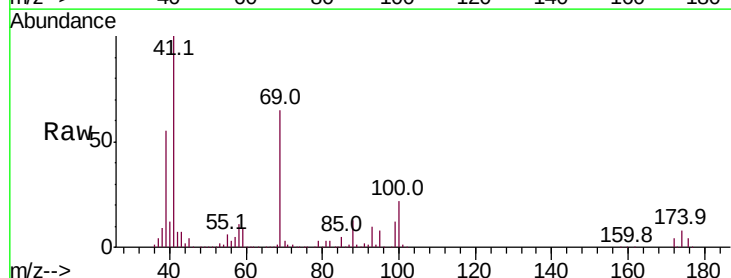
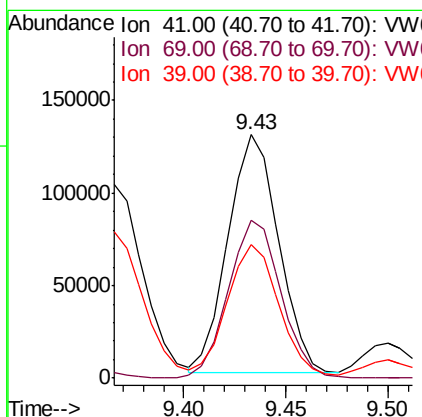
RT: 9.43 min Scan# 1235

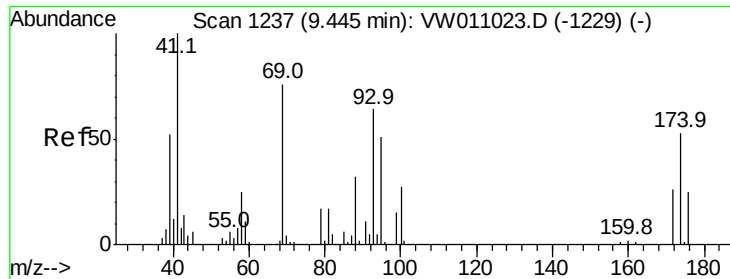
Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion:	41	Resp:	219800
Ion Ratio	Lower	Upper	
41	100		
69	69.7	56.7	85.1
39	55.0	45.0	67.6





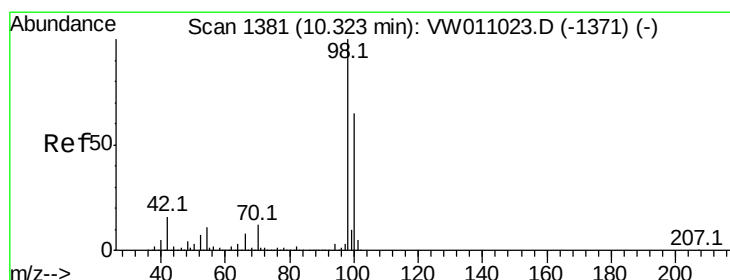
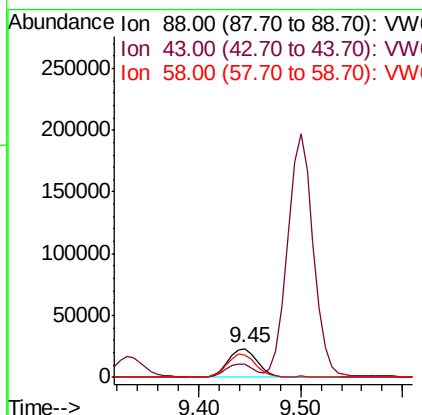
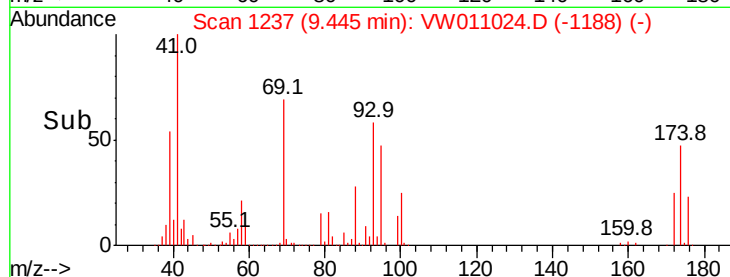
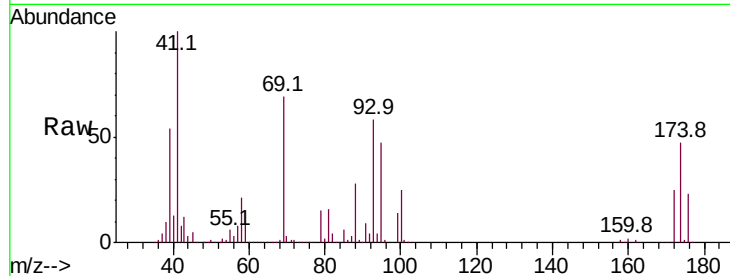
#49
1,4-Dioxane
Concen: 2401.386 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	88	Resp	46315
Ion	Ratio	Lower	Upper
88	100		
43	45.1	34.4	51.6
58	79.7	65.2	97.8

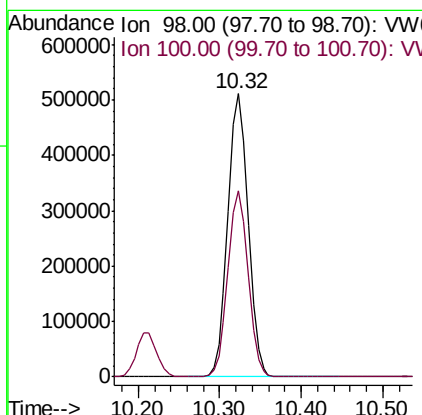
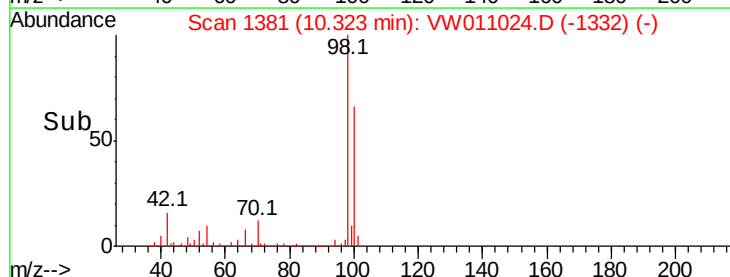
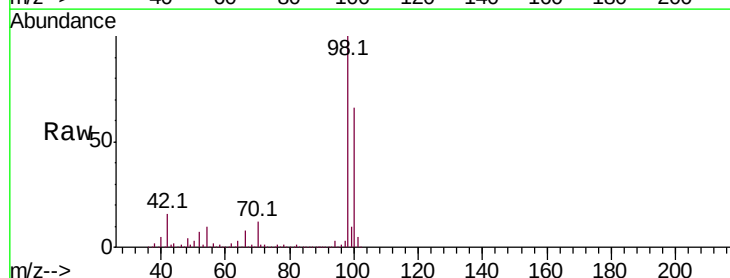
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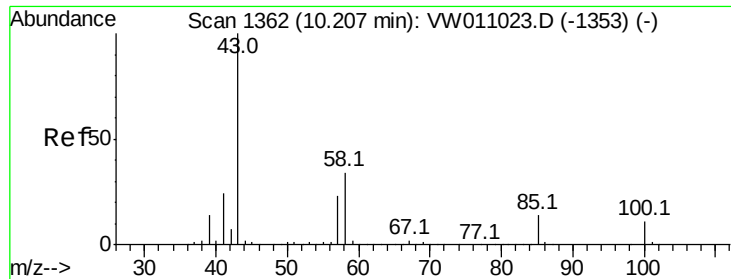
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#50
Toluene-d8
Concen: 103.219 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	98	Resp	875966
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 595.877 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1172930

Ion Ratio Lower Upper

43 100

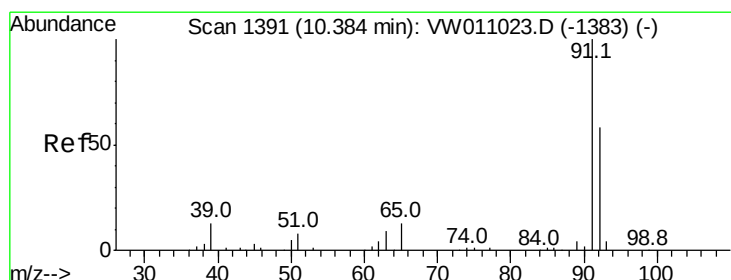
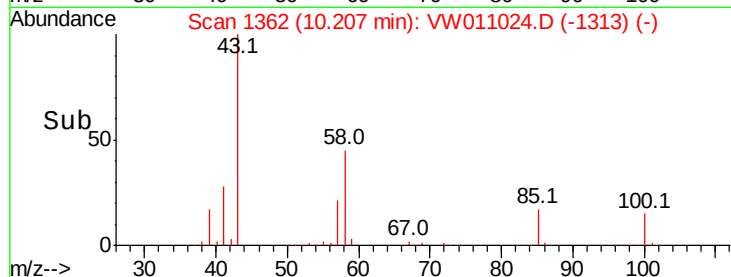
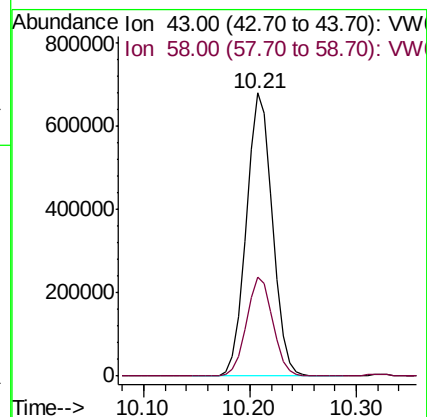
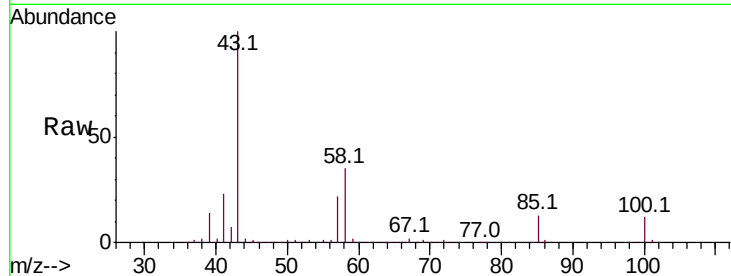
58 35.1 27.8 41.6

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#52

Toluene

Concen: 109.684 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011024.D

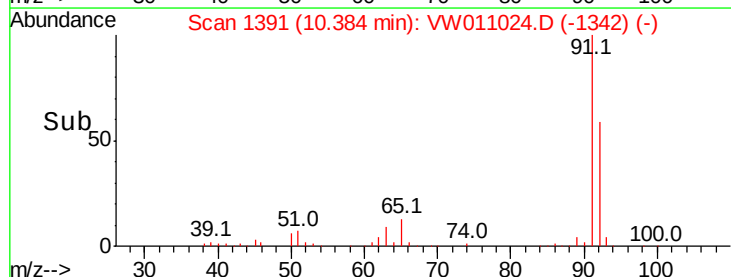
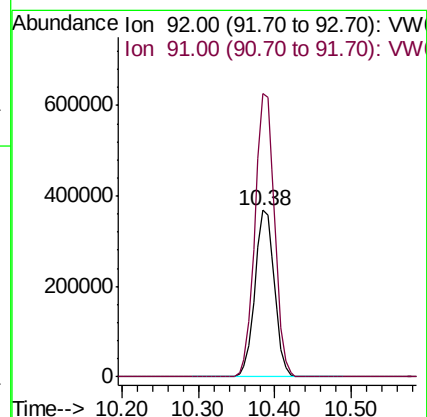
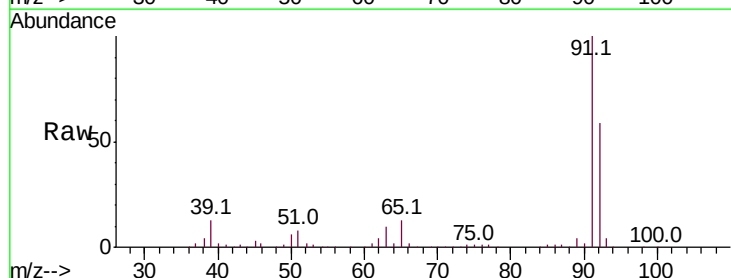
Acq: 27 Jun 2019 16:49

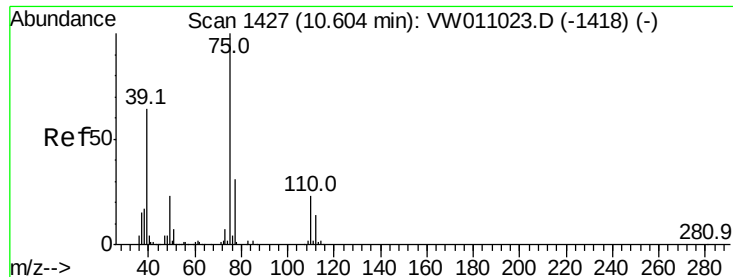
Tgt Ion: 92 Resp: 653108

Ion Ratio Lower Upper

92 100

91 171.3 136.9 205.3





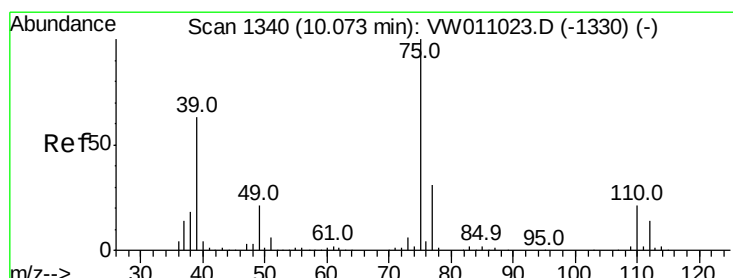
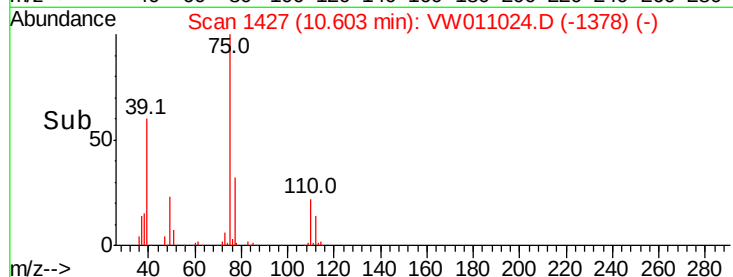
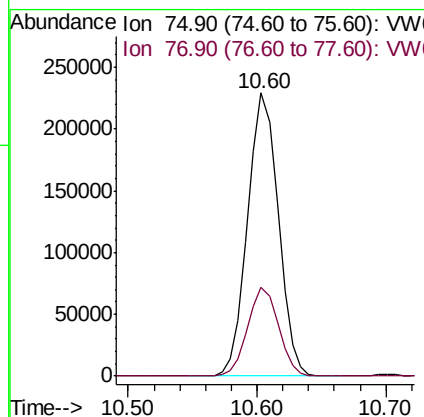
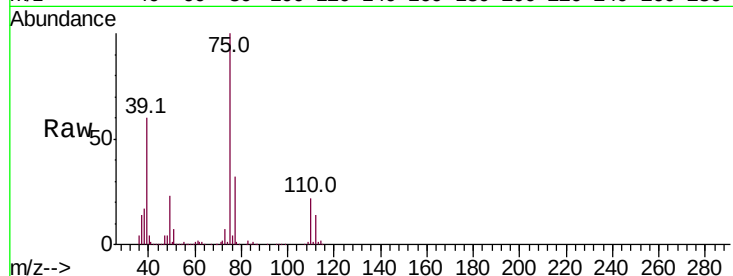
#53
t-1,3-Dichloropropene
Concen: 115.842 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 75 Resp: 377102
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0

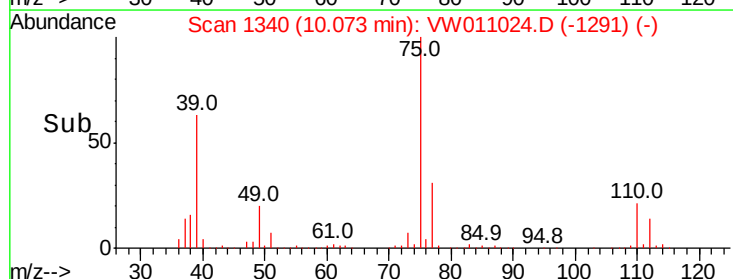
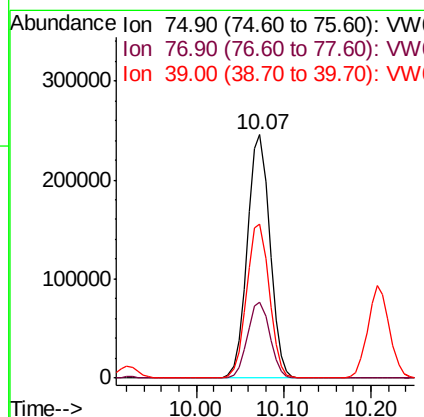
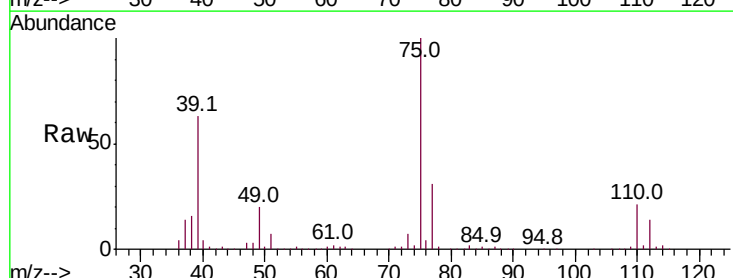
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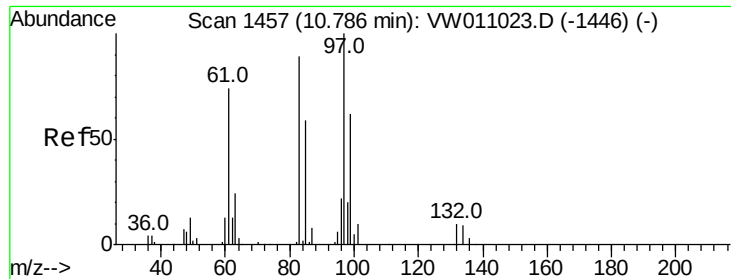
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#54
cis-1,3-Dichloropropene
Concen: 114.255 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 75 Resp: 438818
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 62.9 50.0 75.0





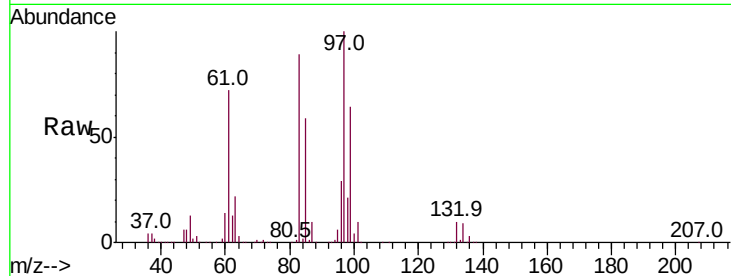
#55
 1,1,2-Trichloroethane
 Concen: 109.674 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

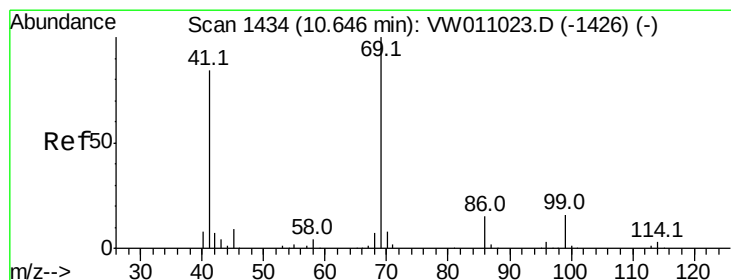
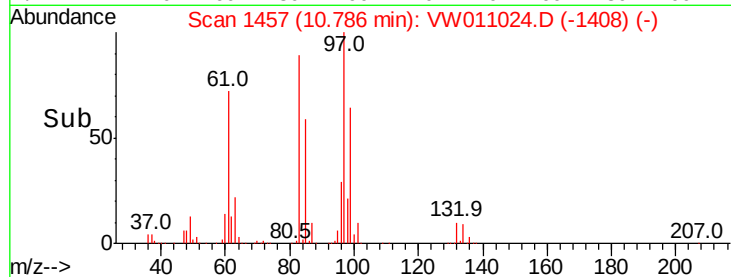
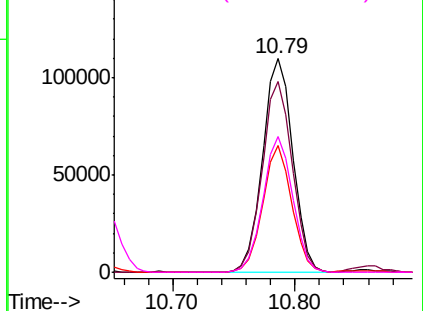
Tot Ion:	97	Resp:	188852
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.9	106.3
85	59.2	47.2	70.8
99	63.5	50.0	75.0

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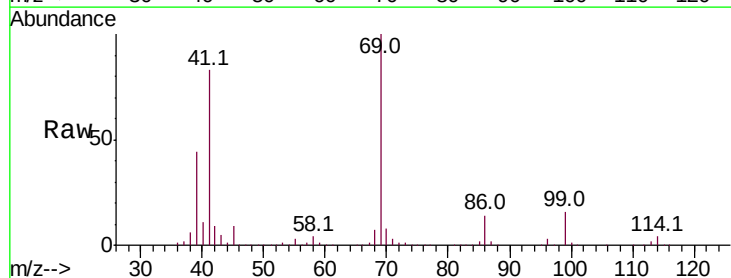


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

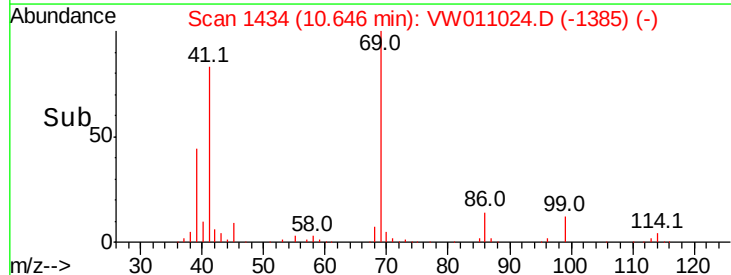
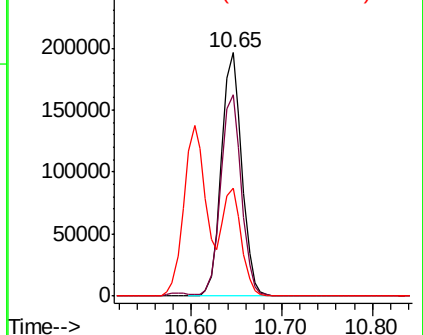


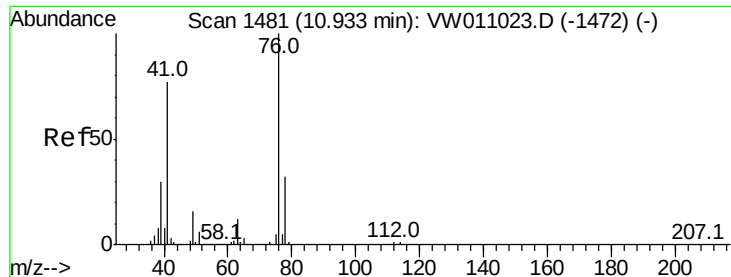
#56
 Ethyl methacrylate
 Concen: 116.835 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion:	69	Resp:	308180
Ion	Ratio	Lower	Upper
69	100		
41	83.6	67.9	101.9
39	40.8	33.2	49.8



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 111.827 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 362685

Ion Ratio Lower Upper

76 100

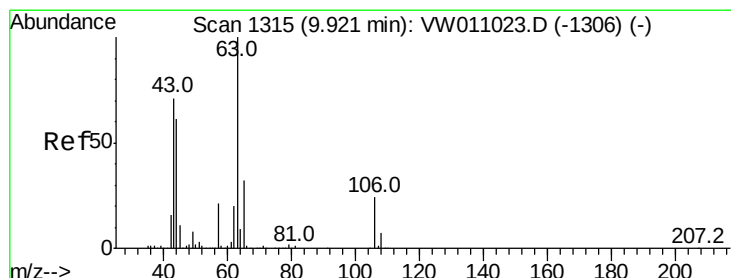
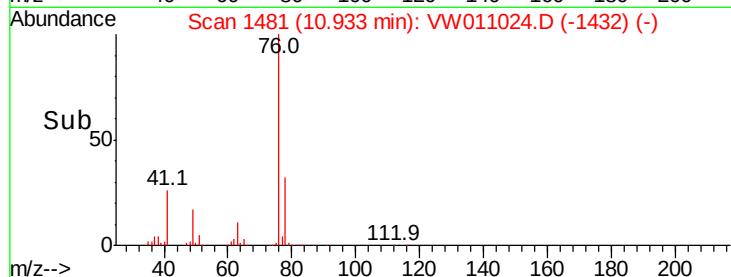
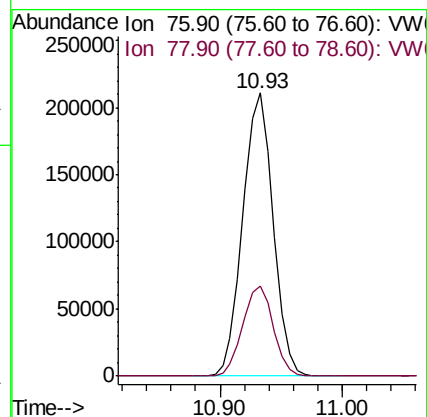
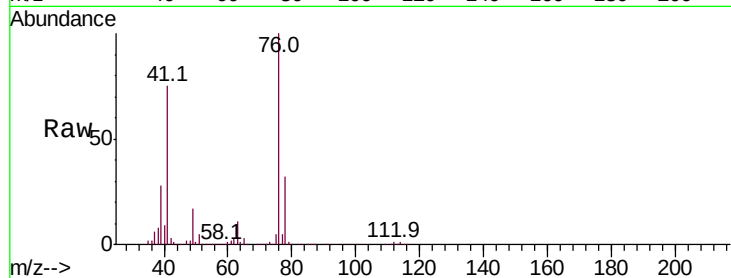
78 32.3 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 544.094 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011024.D

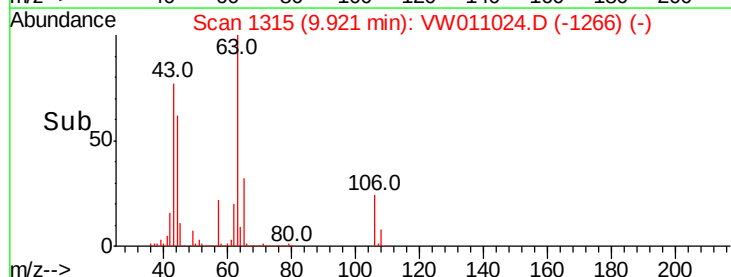
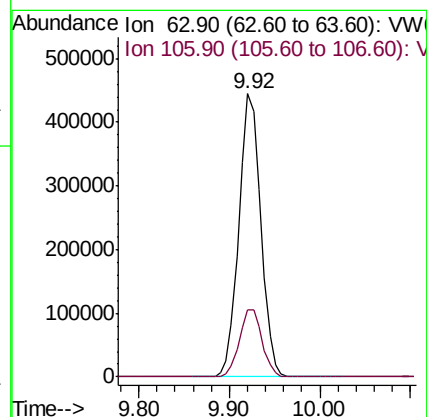
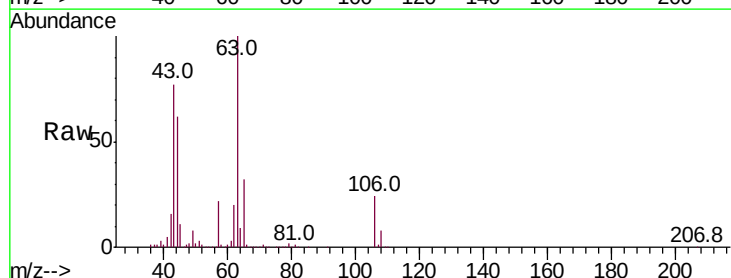
Acq: 27 Jun 2019 16:49

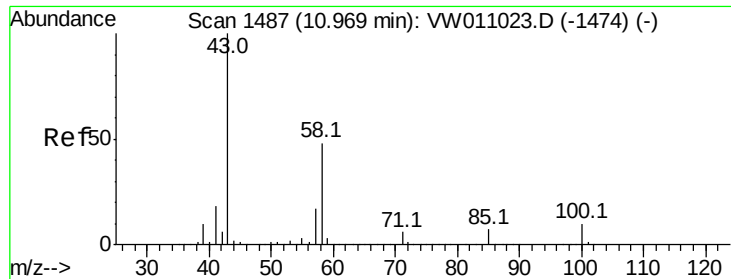
Tgt Ion: 63 Resp: 747573

Ion Ratio Lower Upper

63 100

106 24.4 19.4 29.0





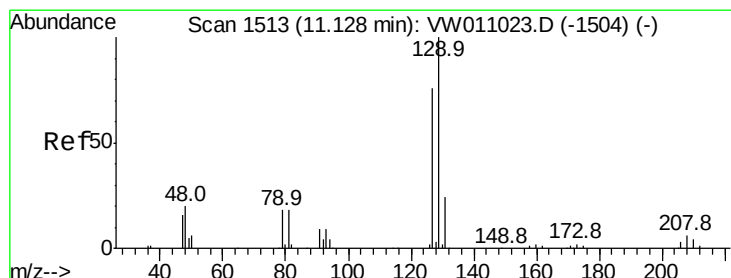
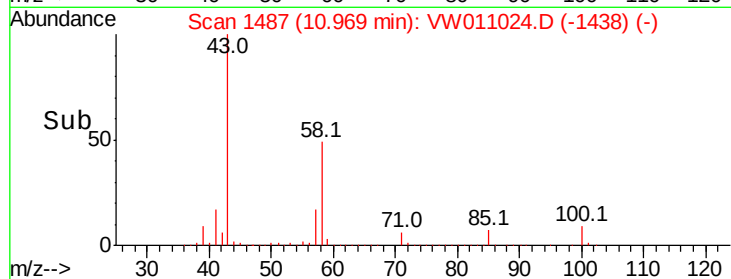
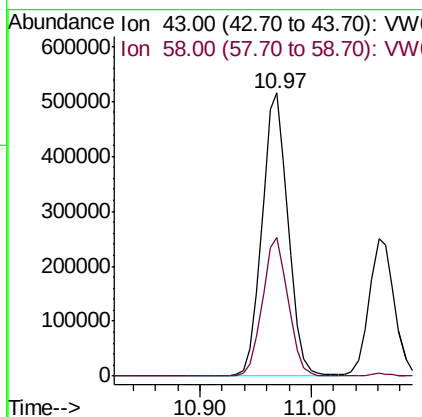
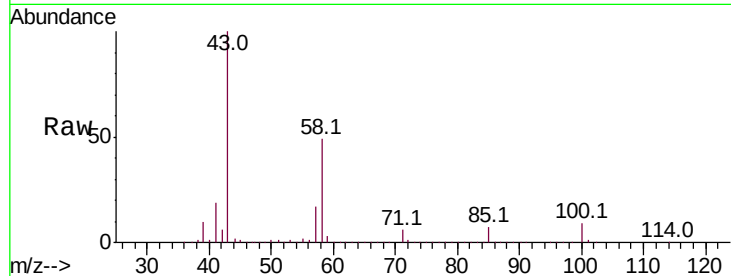
#59
2-Hexanone
Concen: 593.733 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 840130
Ion Ratio Lower Upper
43 100
58 48.5 23.8 71.5

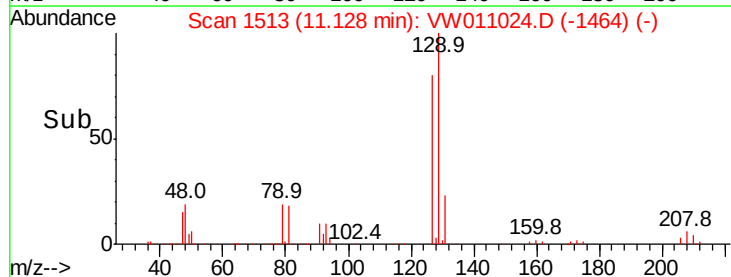
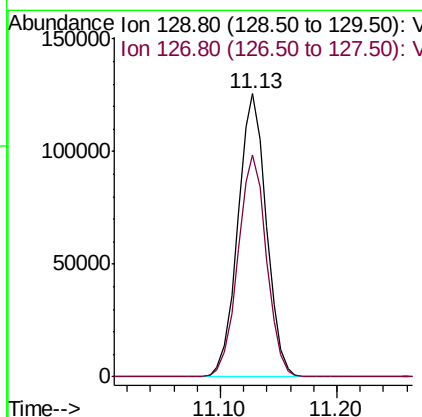
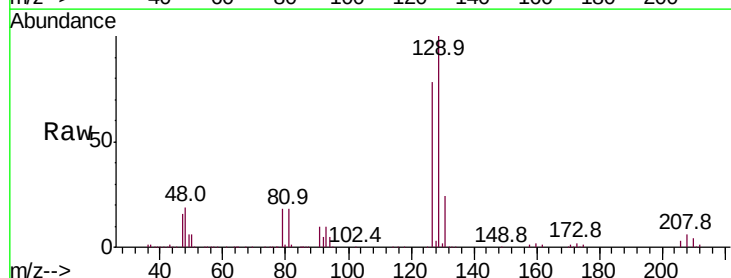
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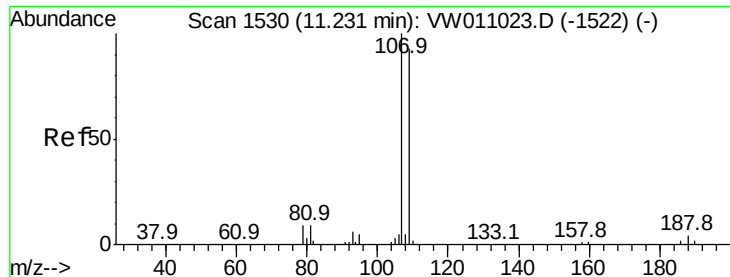
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#60
Dibromochloromethane
Concen: 113.484 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion: 129 Resp: 214026
Ion Ratio Lower Upper
129 100
127 78.3 39.4 118.1





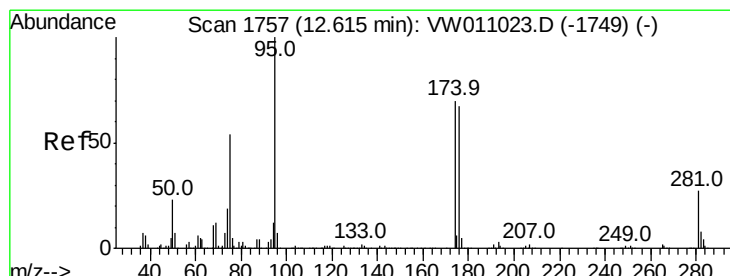
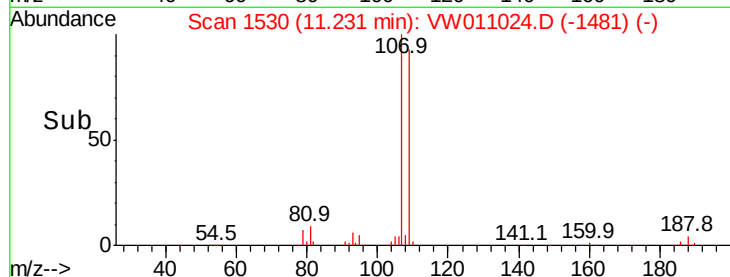
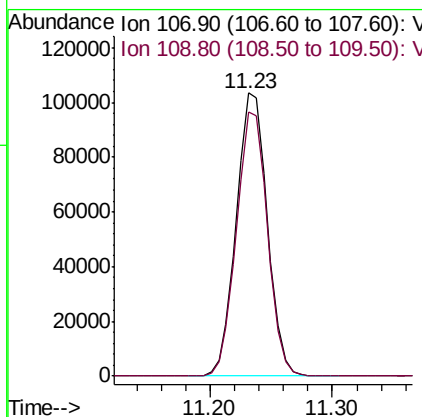
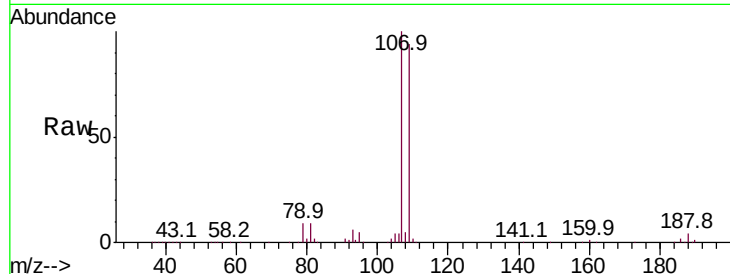
#61
1,2-Dibromoethane
Concen: 111.772 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.1	112.7

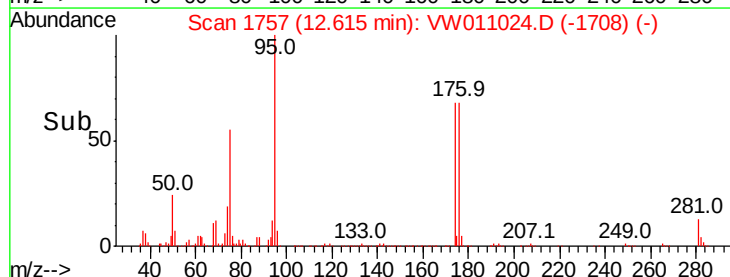
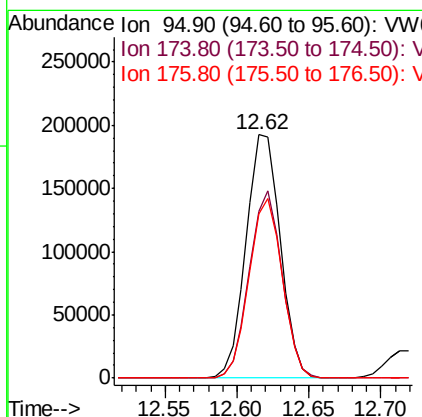
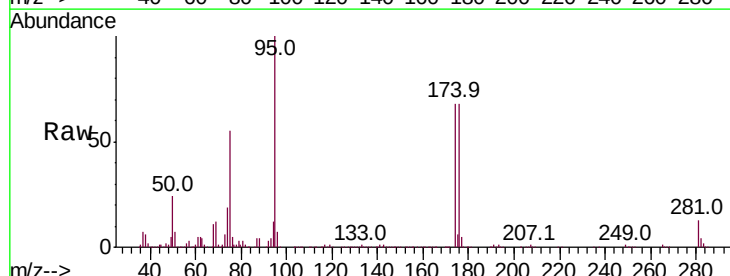
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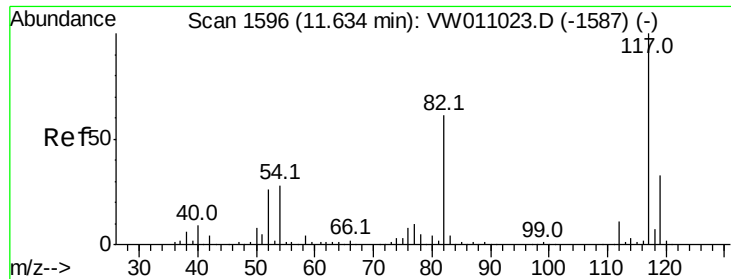
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#62
4-Bromofluorobenzene
Concen: 102.388 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	149.2
176	71.8	0.0	143.6





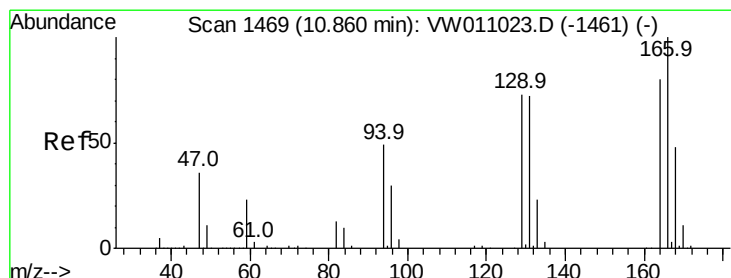
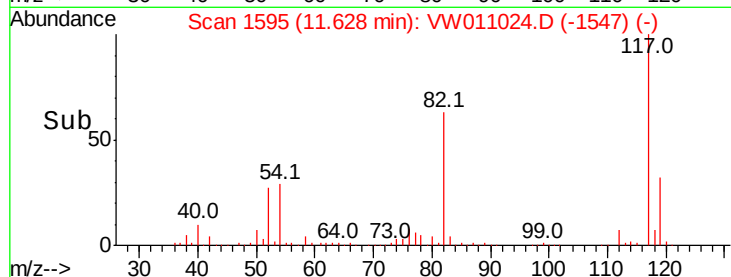
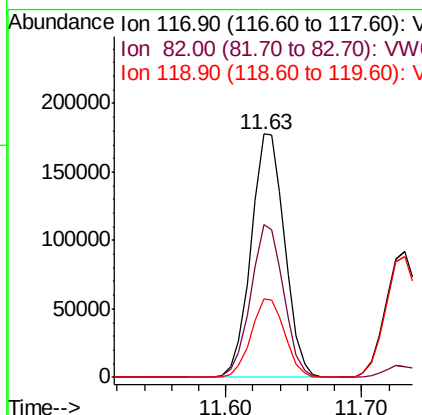
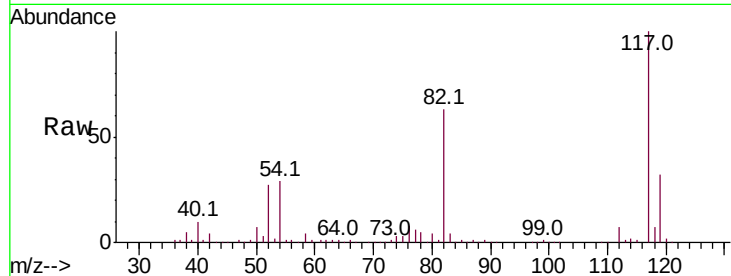
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	308181		
82	62.7	48.6	73.0	
119	32.1	26.1	39.1	

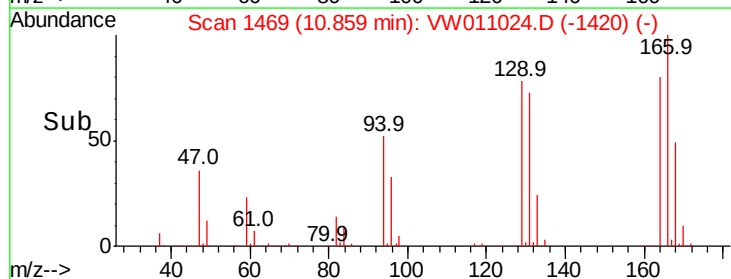
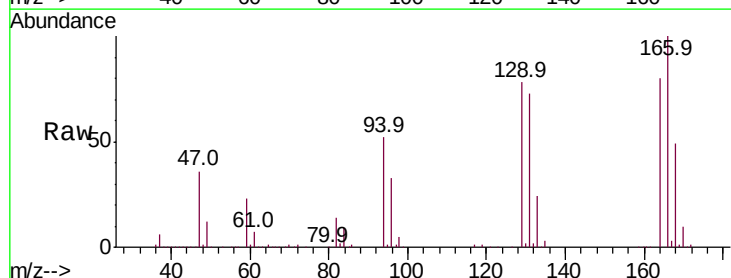
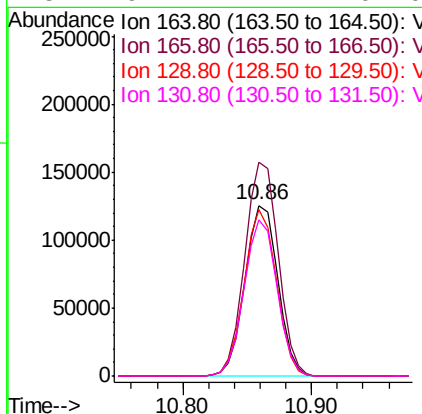
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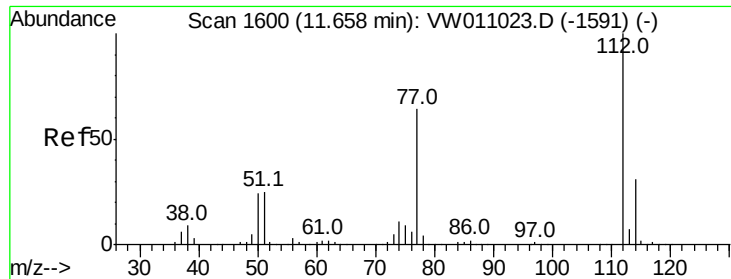
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#64
Tetrachloroethene
Concen: 107.145 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	220431		
166	125.0	99.8	149.6	
129	97.3	73.0	109.4	
131	91.7	71.4	107.0	





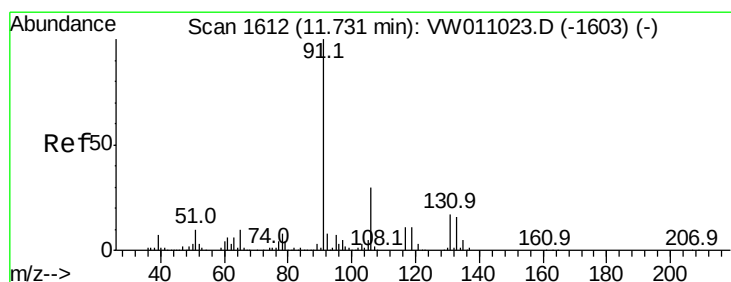
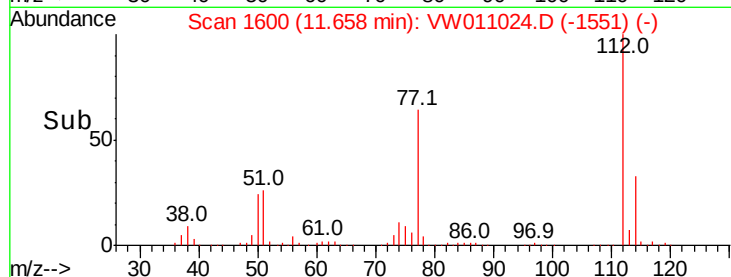
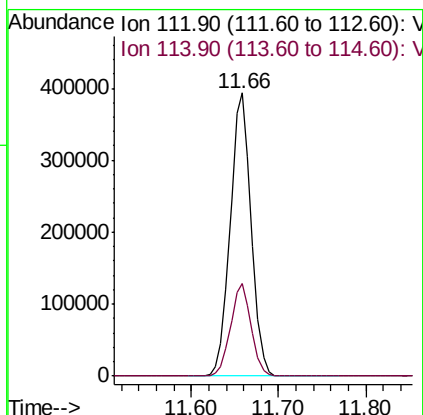
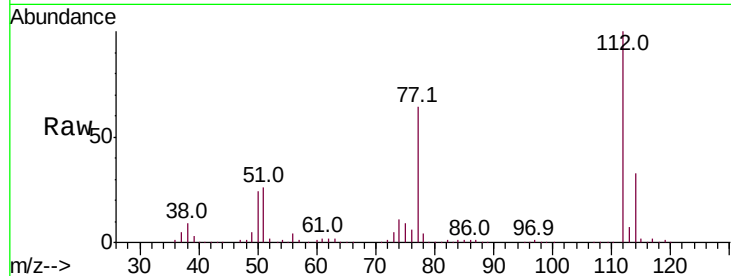
#65
Chlorobenzene
Concen: 106.936 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 652964
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8

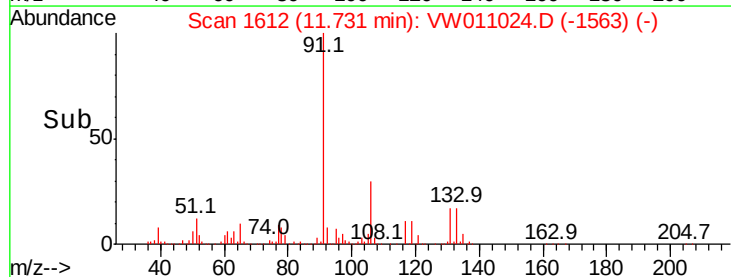
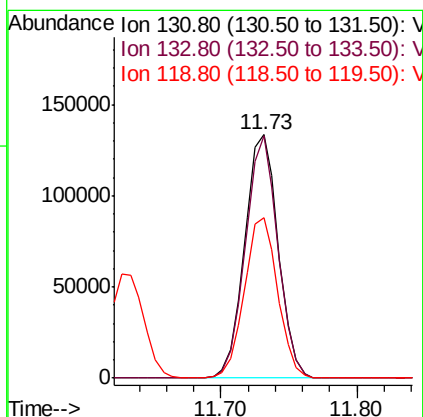
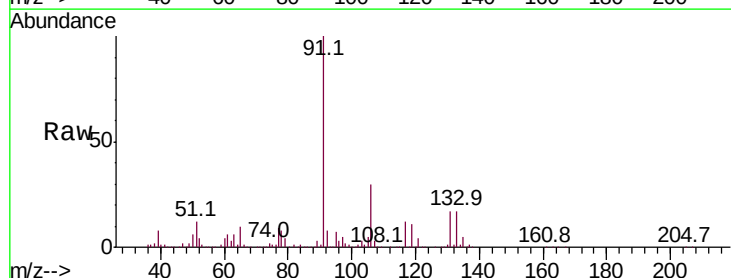
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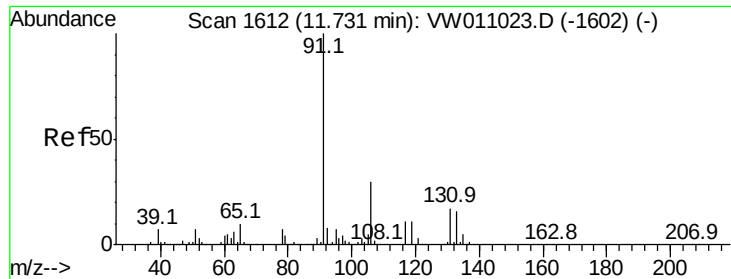
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#66
1,1,1,2-Tetrachloroethane
Concen: 109.416 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion:131 Resp: 229930
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 65.4 33.1 99.2





#67

Ethyl Benzene

Concen: 109.358 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1283476

Ion Ratio Lower Upper

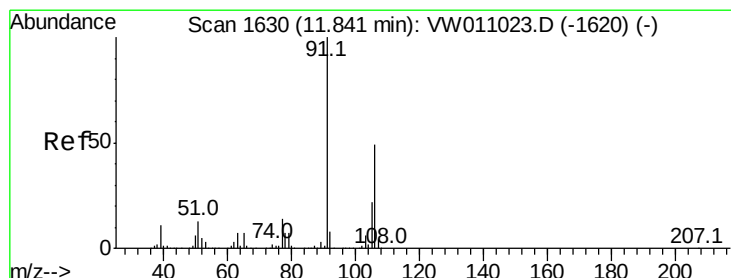
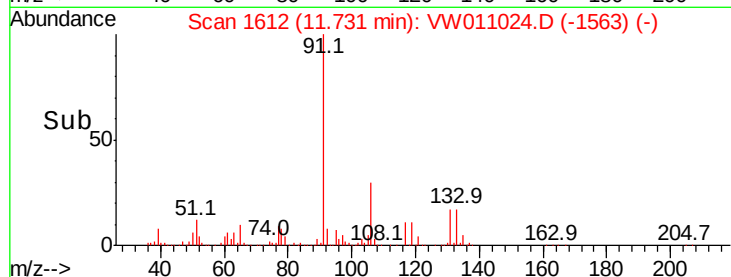
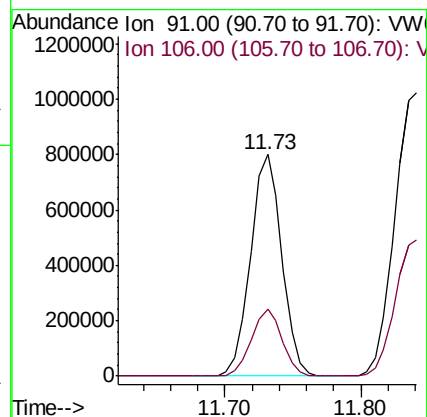
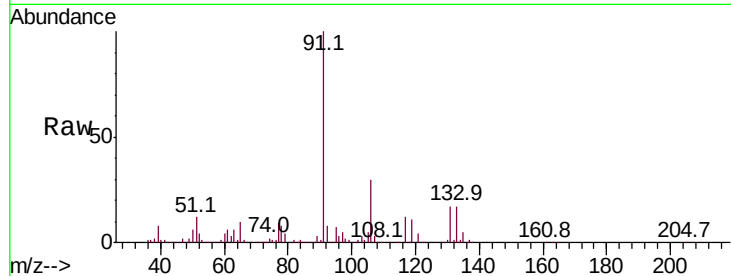
91 100

106 30.2 23.8 35.6

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#68

m/p-Xylenes

Concen: 219.224 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011024.D

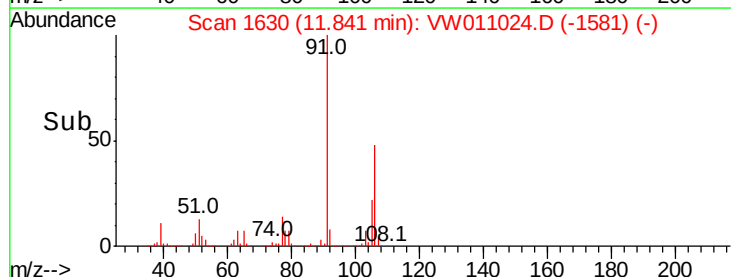
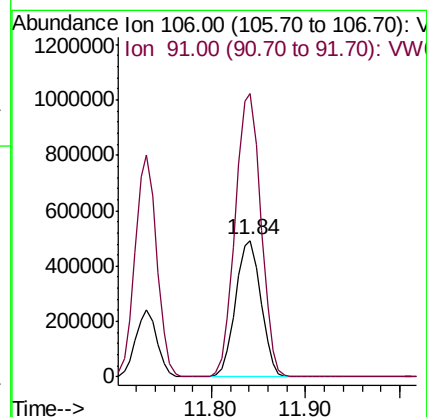
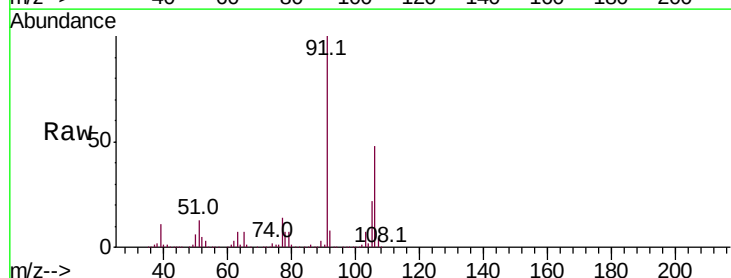
Acq: 27 Jun 2019 16:49

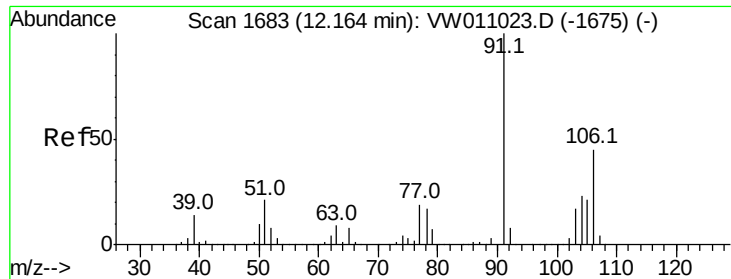
Tgt Ion: 106 Resp: 923975

Ion Ratio Lower Upper

106 100

91 209.7 167.5 251.3





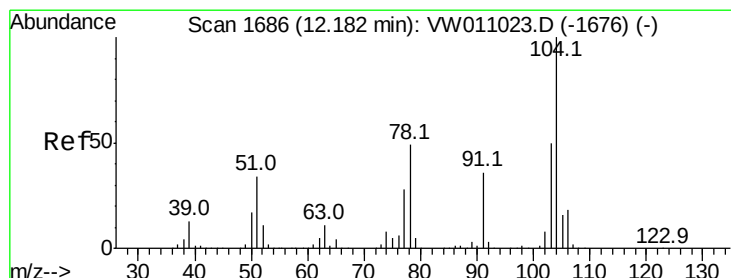
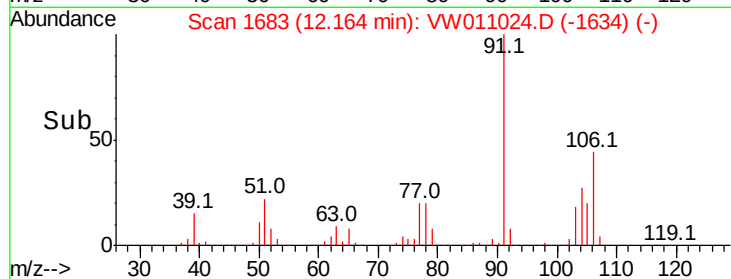
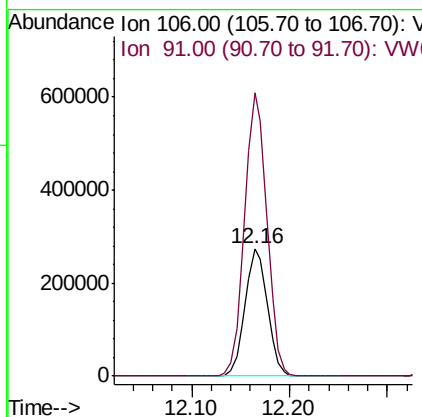
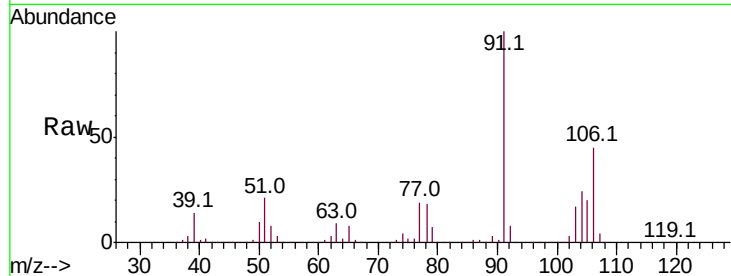
#69
o-Xylene
Concen: 109.335 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 435803
Ion Ratio Lower Upper
106 100
91 221.7 110.8 332.3

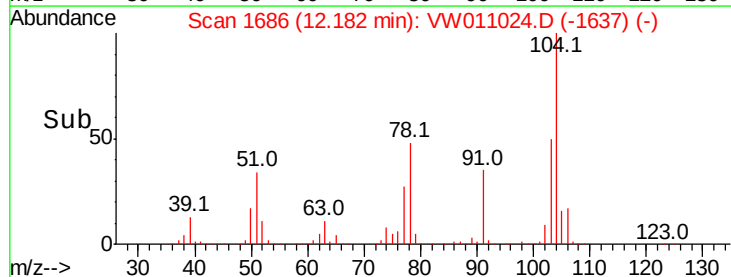
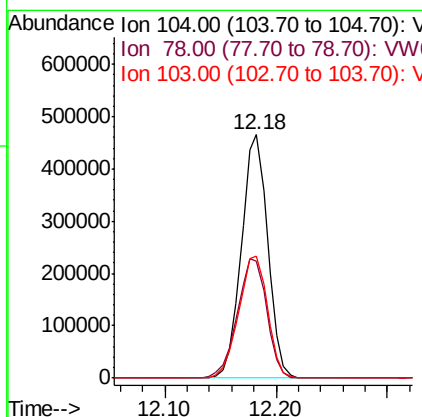
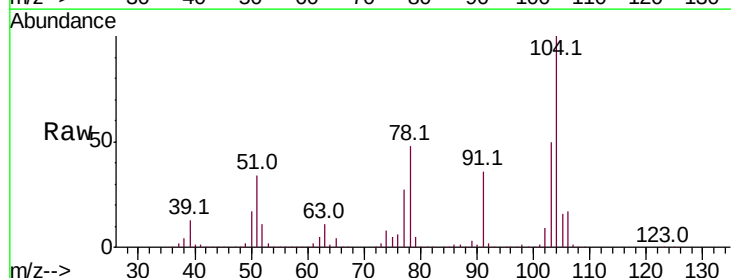
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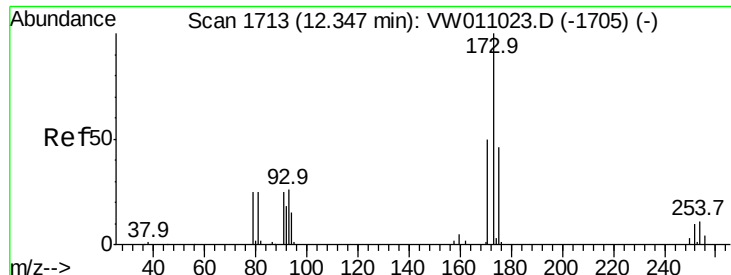
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#70
Styrene
Concen: 110.132 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion:104 Resp: 763058
Ion Ratio Lower Upper
104 100
78 54.6 43.7 65.5
103 55.0 43.9 65.9





#71

Bromoform

Concen: 111.499 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 120733

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.2

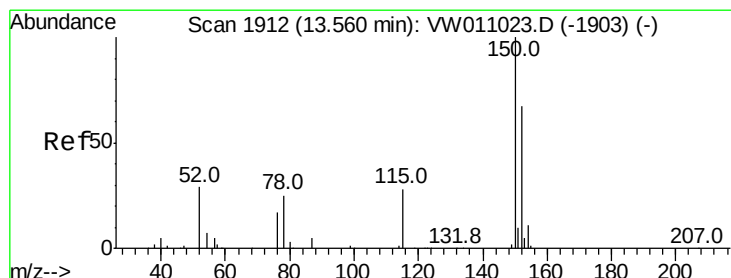
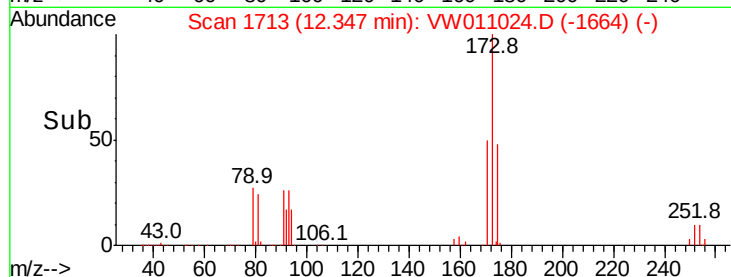
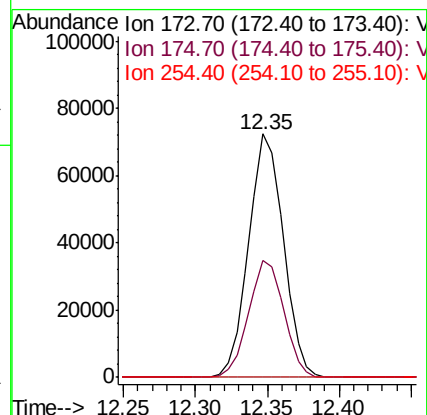
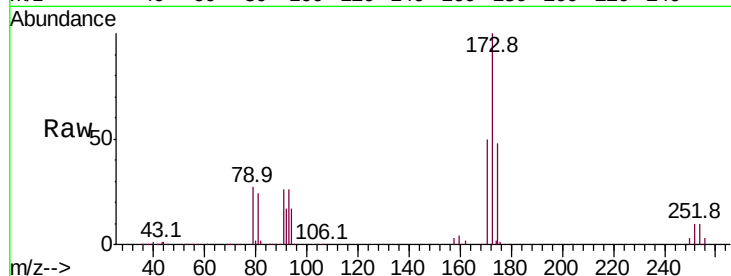
254 0.0 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

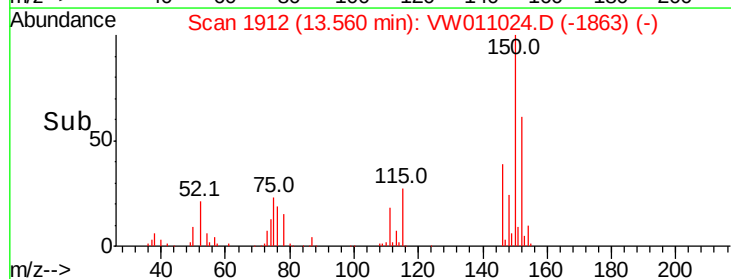
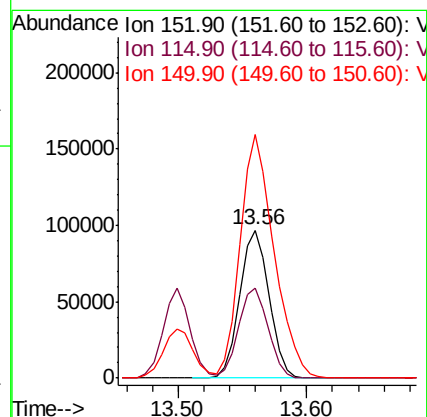
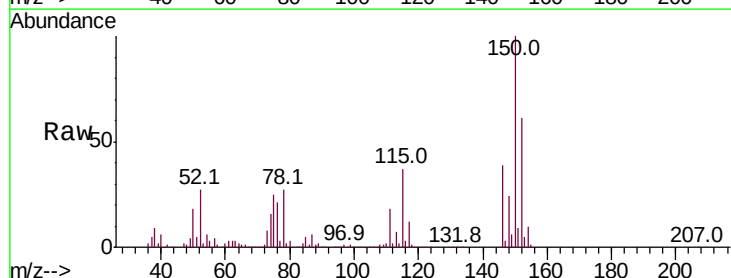
Tgt Ion:152 Resp: 152247

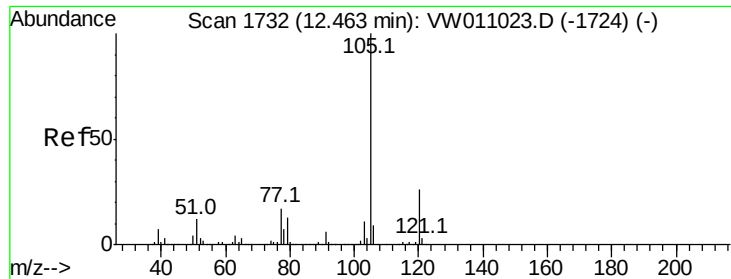
Ion Ratio Lower Upper

152 100

115 61.3 30.7 92.1

150 190.0 0.0 341.8





#73

Isopropylbenzene

Concen: 106.416 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1213518

Ion Ratio Lower Upper

105 100

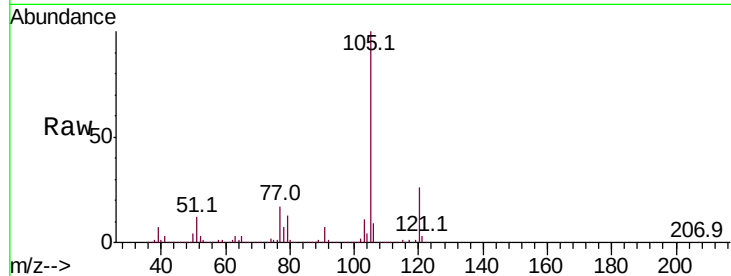
120 25.8 12.9 38.6

Manual Integrations

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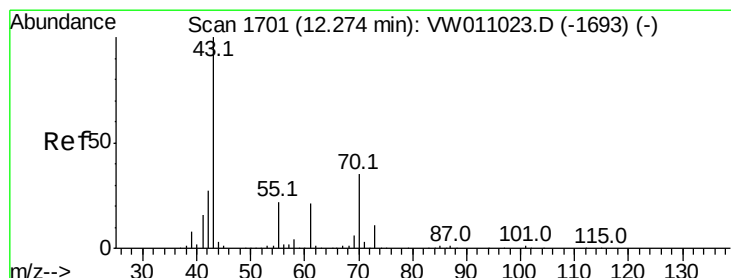
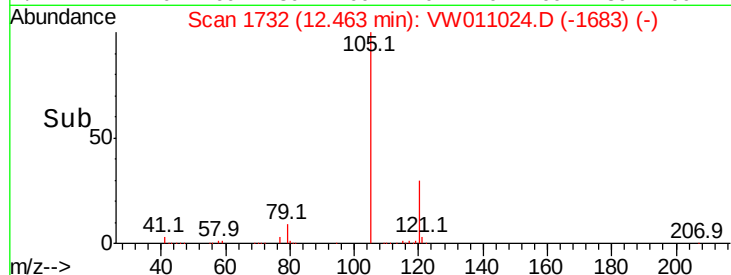
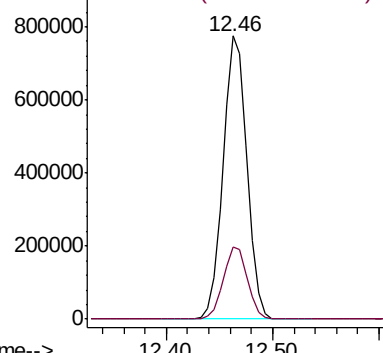
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 117.752 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion: 43 Resp: 440461

Ion Ratio Lower Upper

43 100

70 35.4 28.2 42.4

55 21.8 17.8 26.8

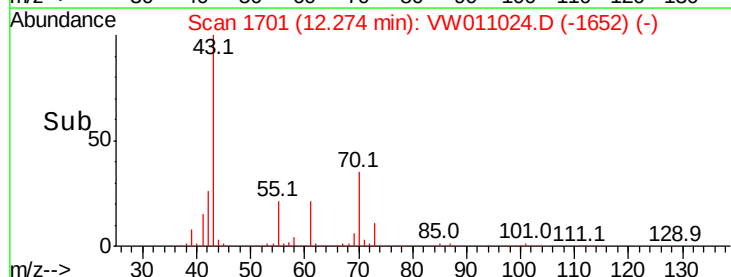
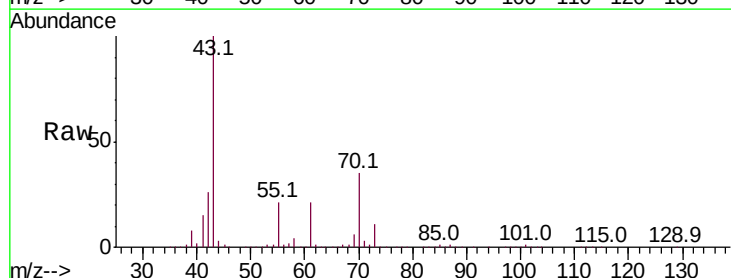
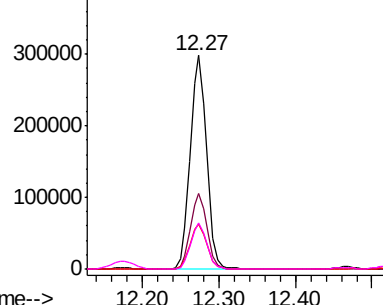
61 21.2 16.6 24.8

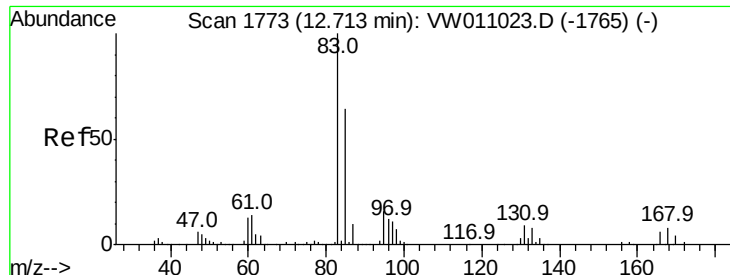
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 109.261 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

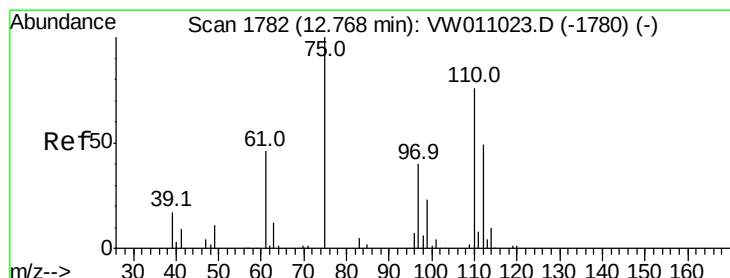
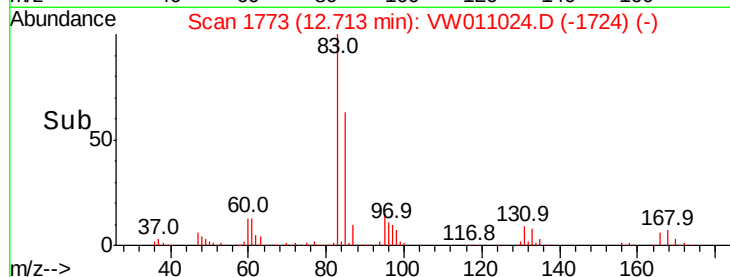
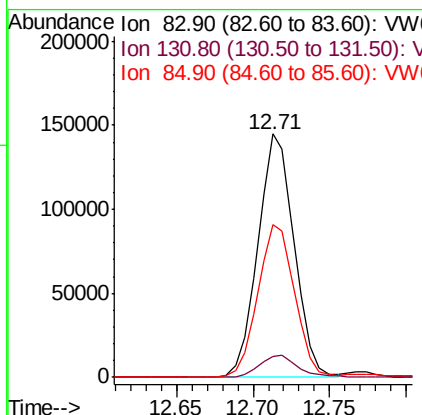
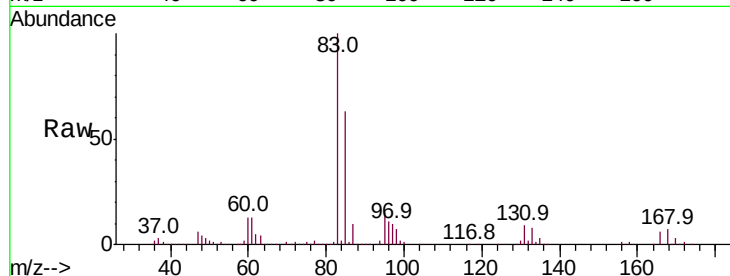
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	239016
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	63.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 105.665 ug/l m

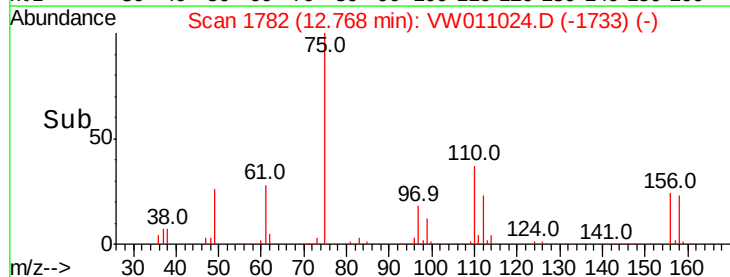
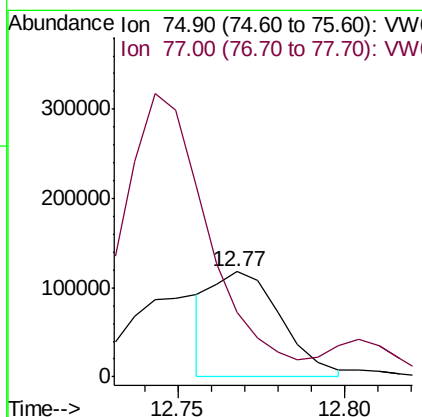
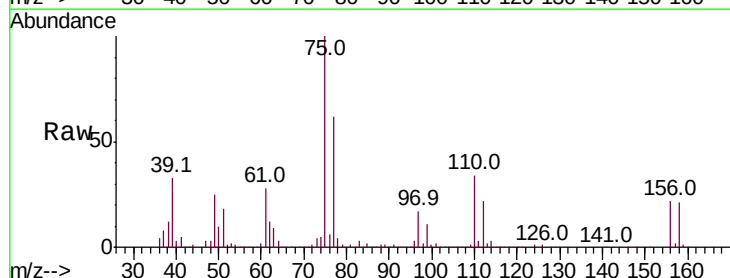
RT: 12.77 min Scan# 1782

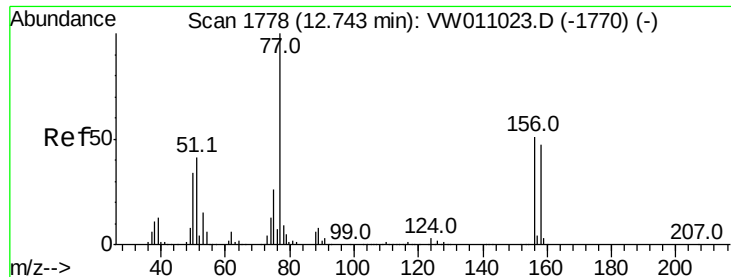
Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion:	75	Resp:	169592
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 104.946 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 261039

Ion Ratio Lower Upper

156 100

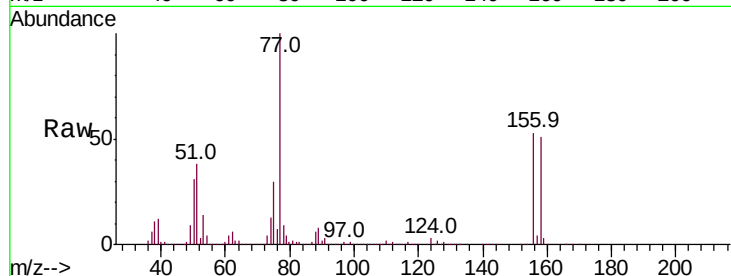
77 220.3 109.5 328.5

158 97.6 48.6 145.9

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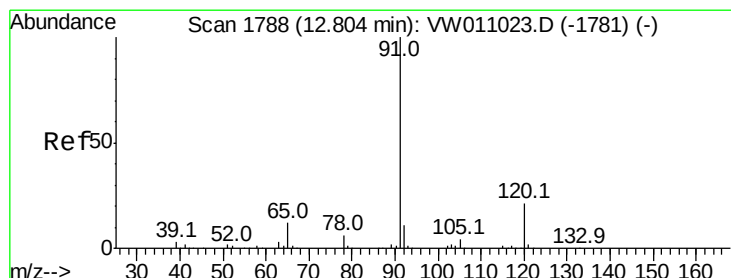
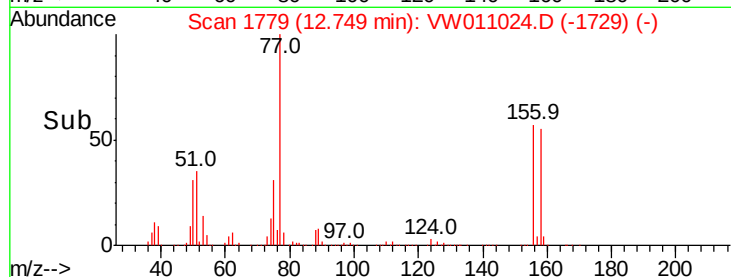
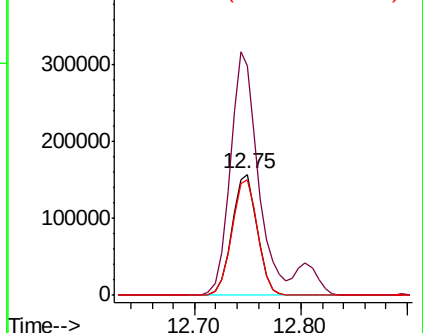
6/28/2019 10:25:09 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 108.066 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011024.D

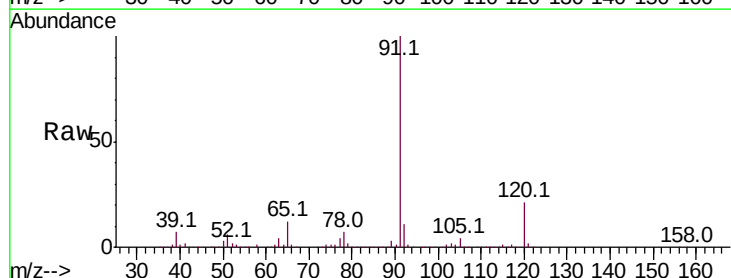
Acq: 27 Jun 2019 16:49

Tgt Ion: 91 Resp: 1494048

Ion Ratio Lower Upper

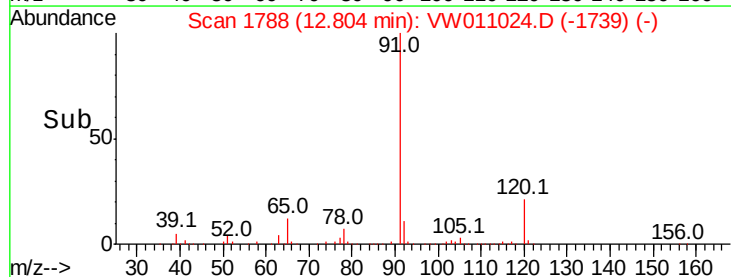
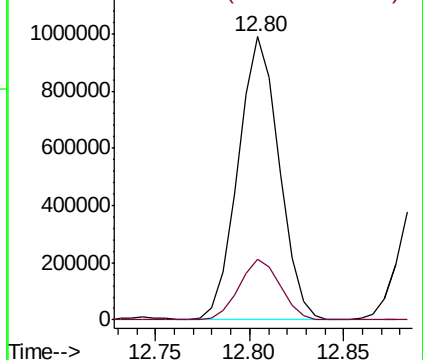
91 100

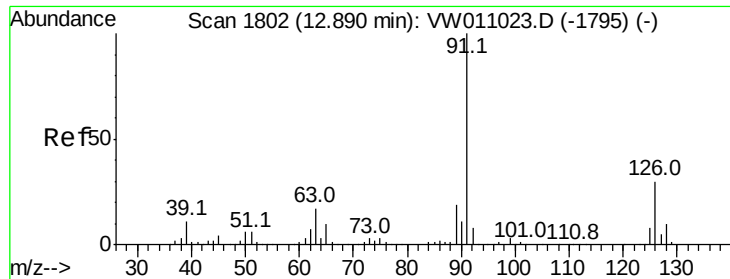
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





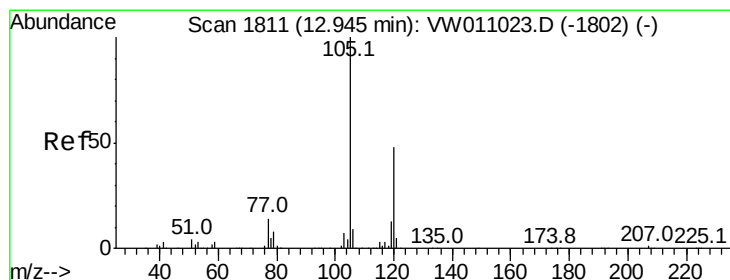
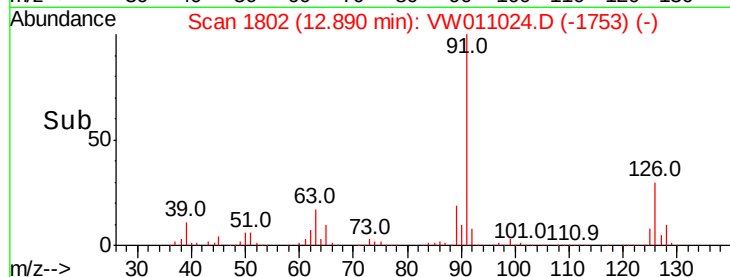
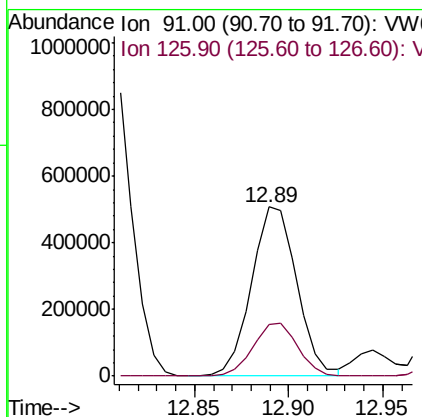
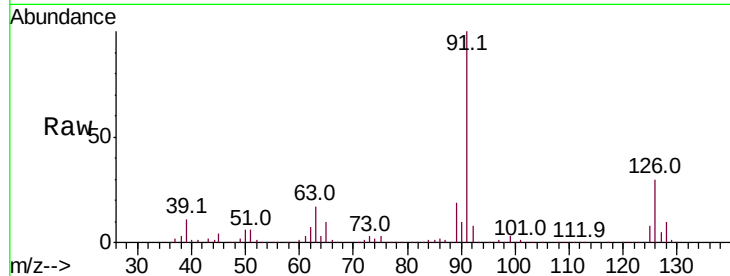
#79
 2-Chlorotoluene
 Concen: 106.934 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 844557
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.4 46.4

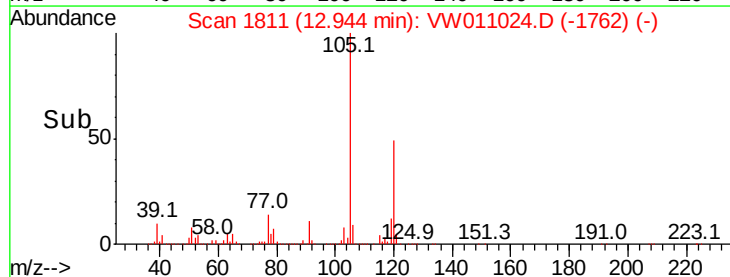
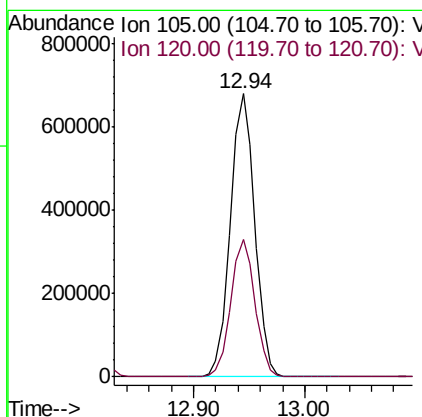
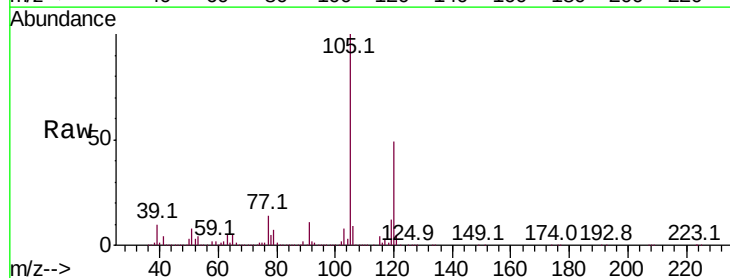
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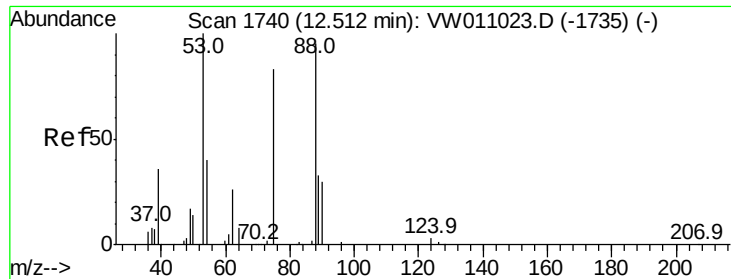
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 6/28/2019 10:25:09 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 109.302 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion: 105 Resp: 1027969
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.8 71.5





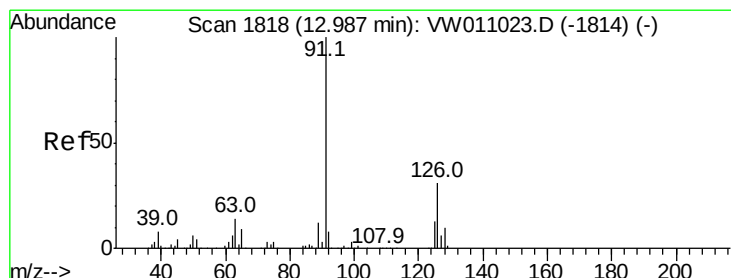
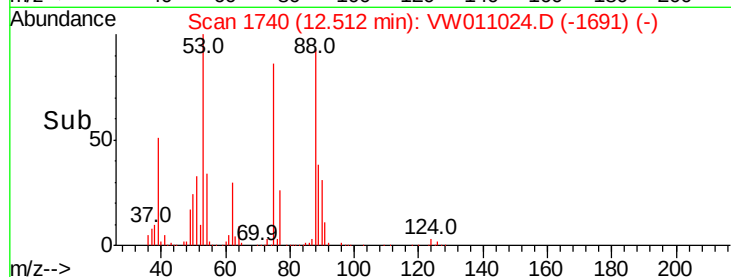
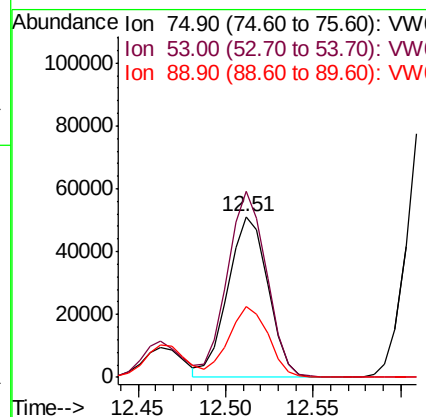
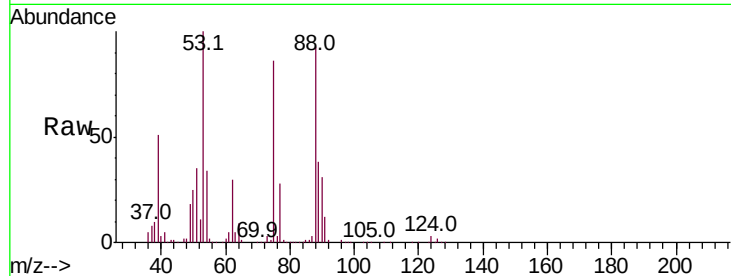
#81
trans-1,4-Dichloro-2-butene
Concen: 118.650 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.9	95.6	143.4
89	43.4	34.4	51.6

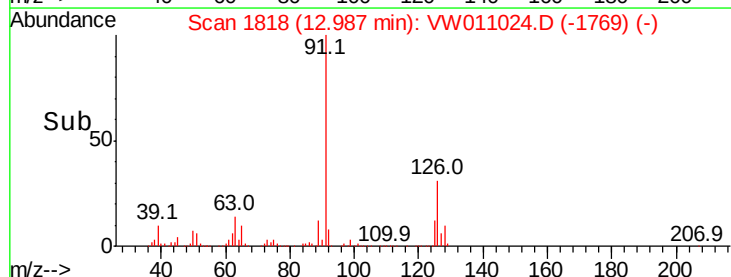
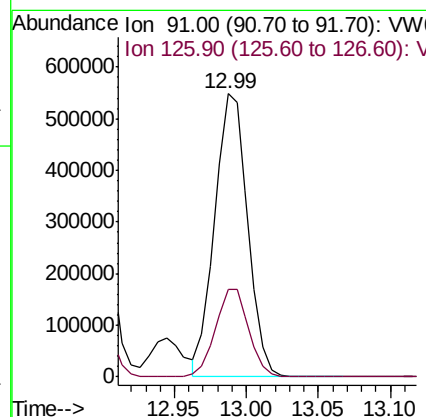
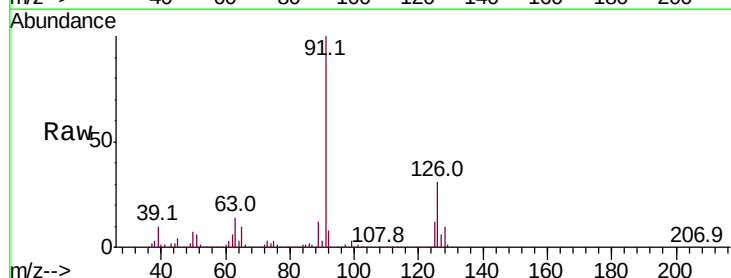
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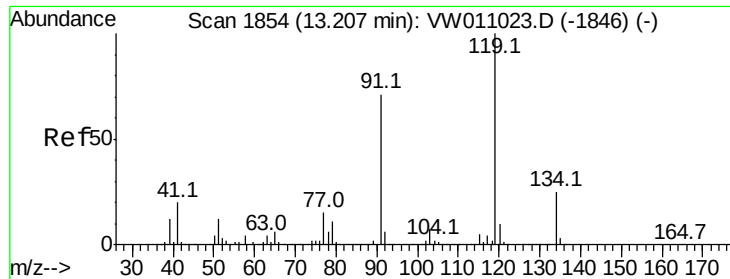
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#82
4-Chlorotoluene
Concen: 107.268 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1





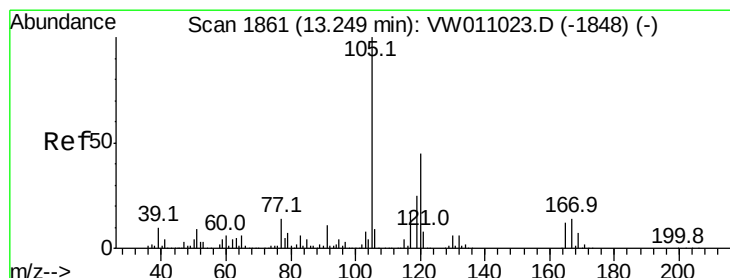
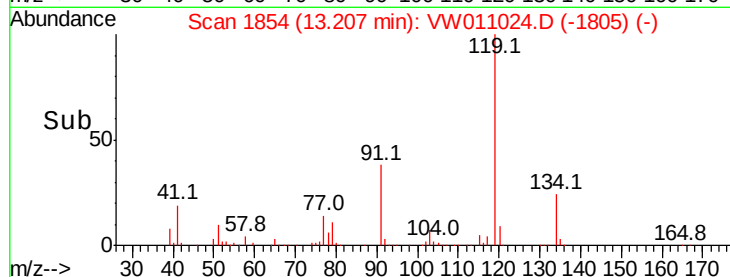
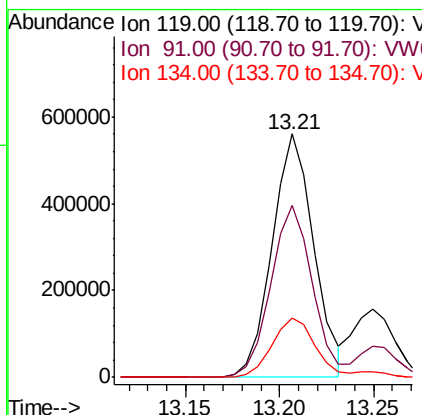
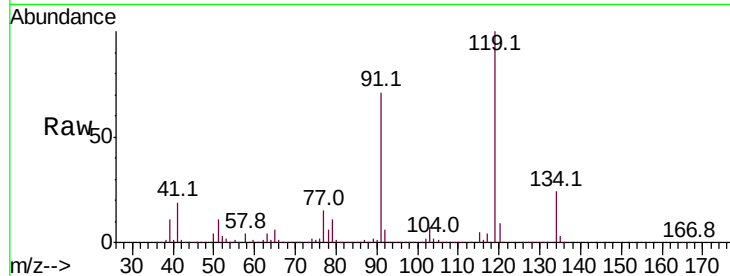
#83
tert-Butylbenzene
Concen: 108.245 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 860222
Ion Ratio Lower Upper
119 100
91 71.3 35.5 106.5
134 25.0 12.4 37.2

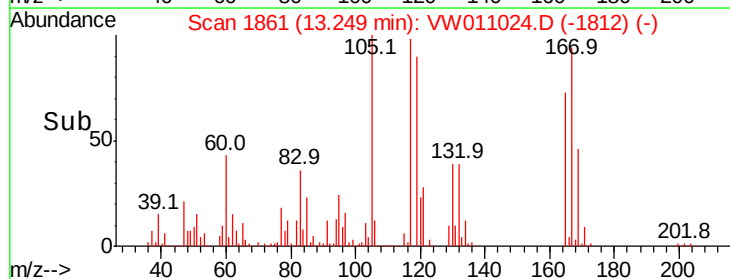
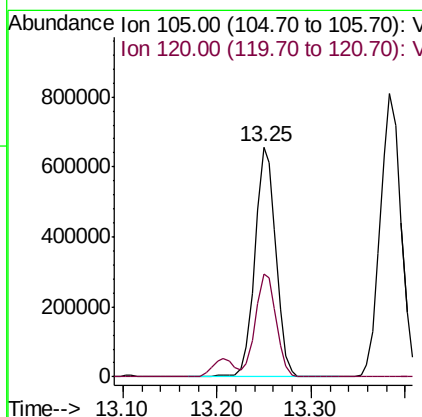
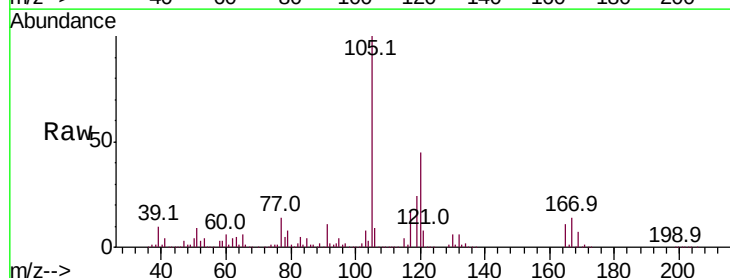
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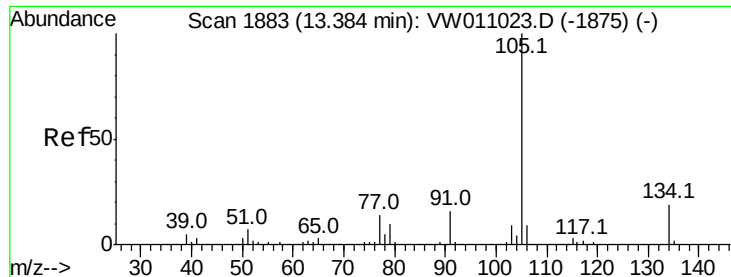
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#84
1,2,4-Trimethylbenzene
Concen: 108.675 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion:105 Resp: 1028398
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.2





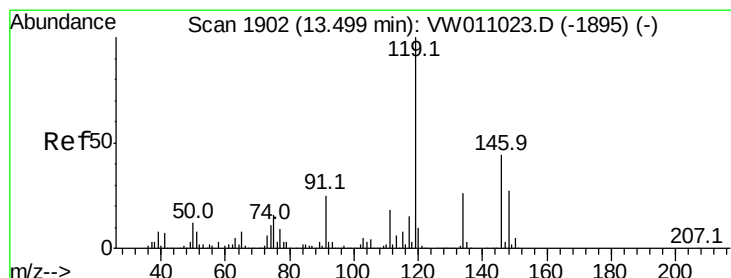
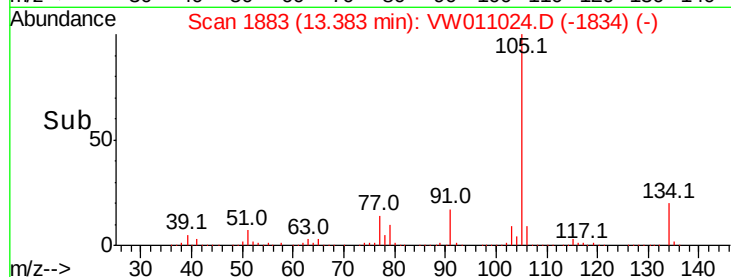
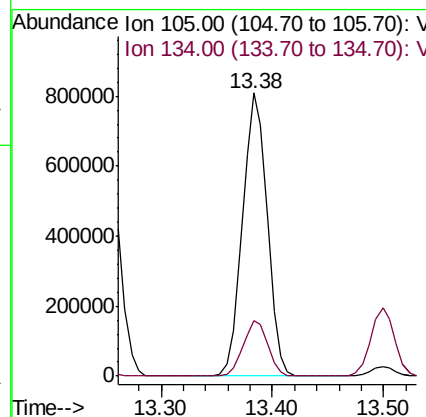
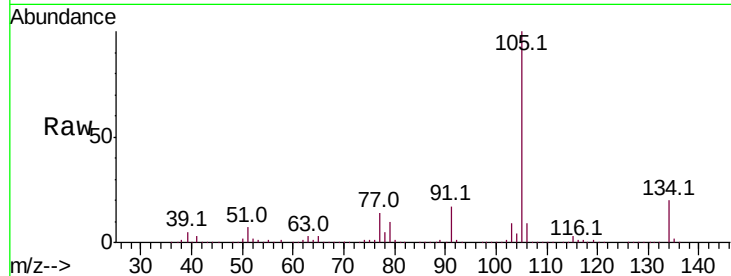
#85
 sec-Butylbenzene
 Concen: 107.198 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1239399
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.6 28.8

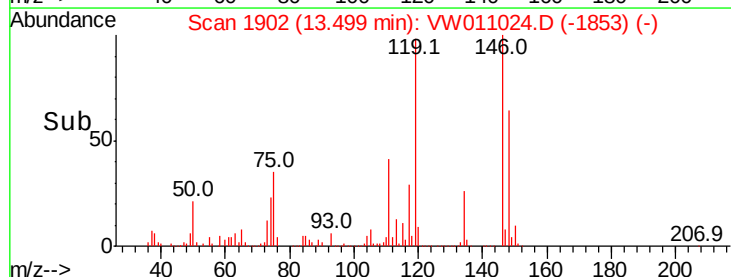
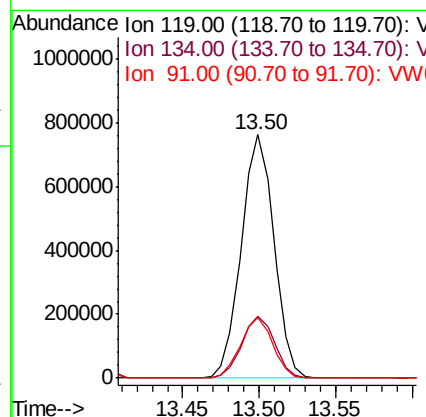
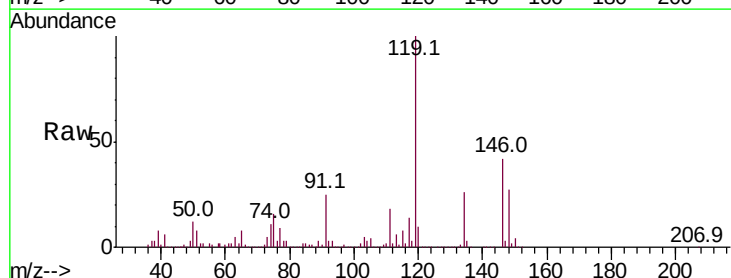
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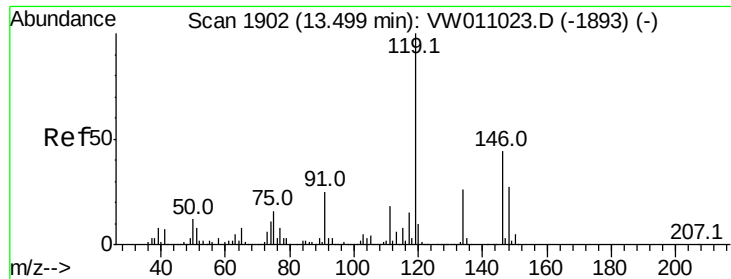
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#86
 p-Isopropyltoluene
 Concen: 109.356 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion:119 Resp: 1131803
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 24.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 106.469 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

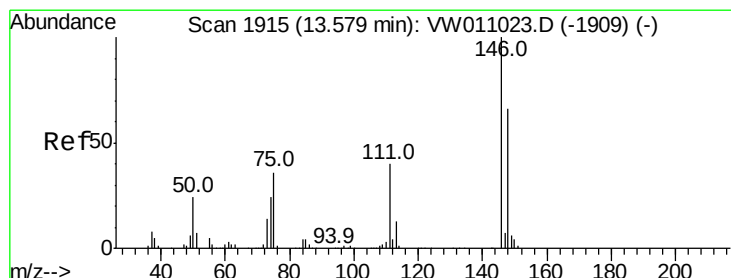
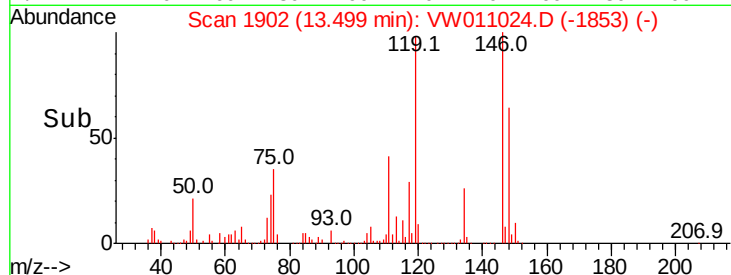
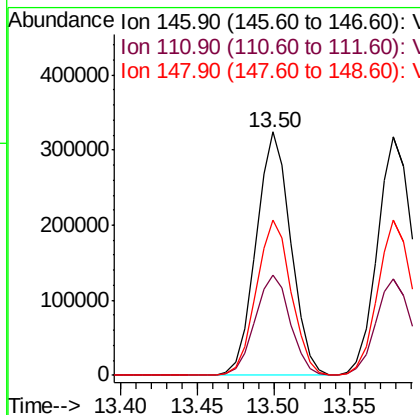
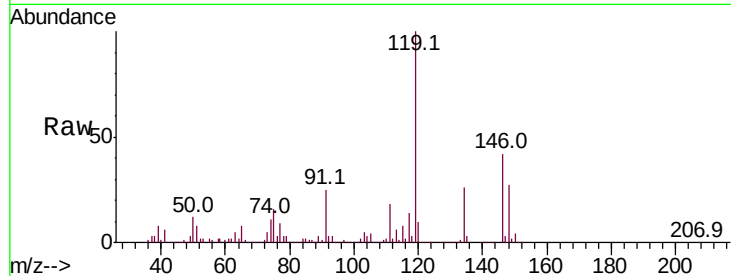
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	512651
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.9	62.8
148	64.0	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 106.032 ug/l

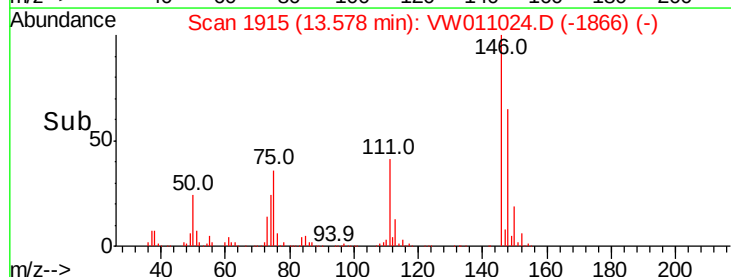
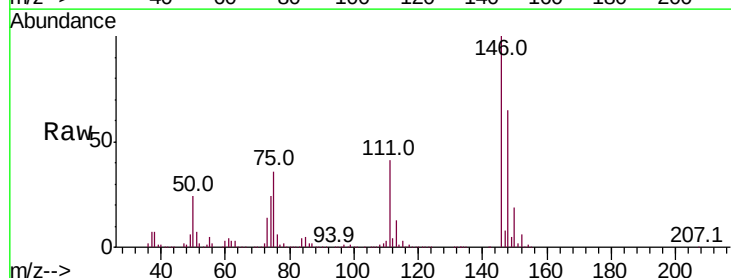
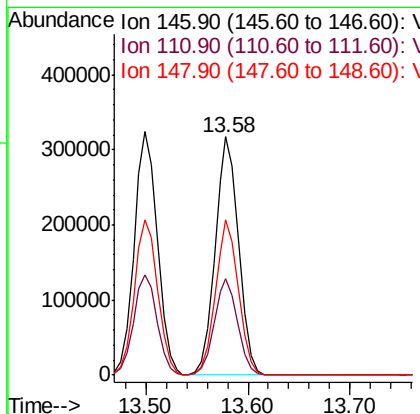
RT: 13.58 min Scan# 1915

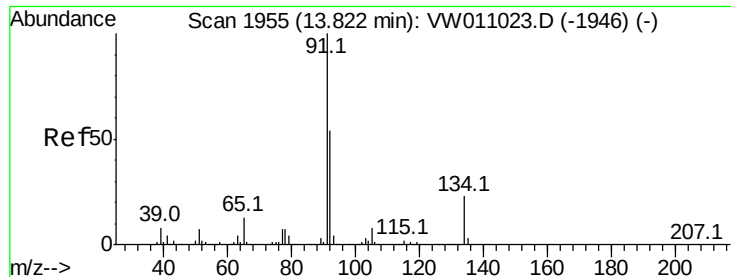
Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion:	146	Resp:	507541
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.6	61.9
148	64.0	32.4	97.2





#89

n-Butylbenzene

Concen: 111.262 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

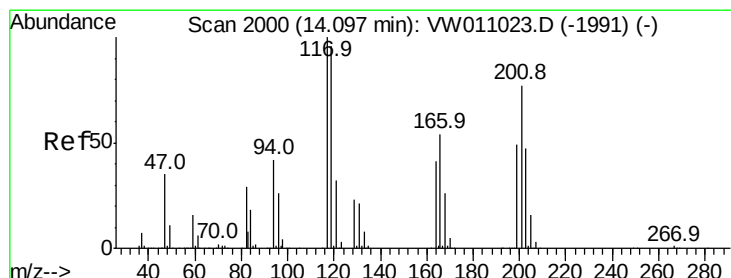
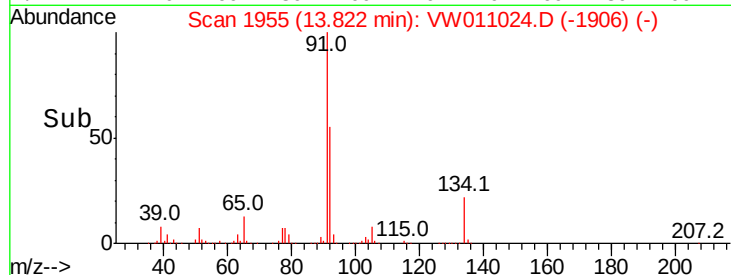
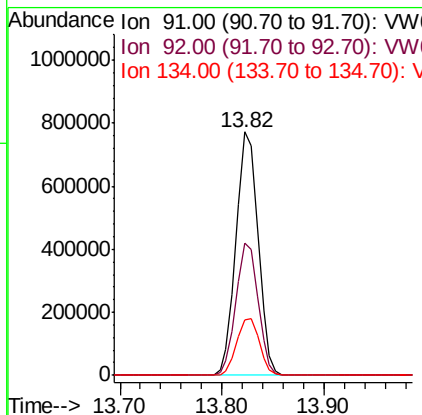
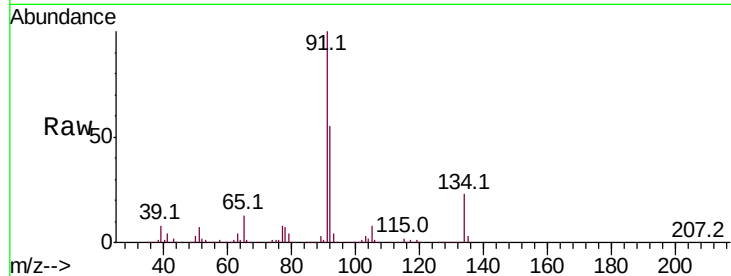
ClientSampleId :

VSTDIC100

Tot Ion:	91	Resp:	1152145
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.1	81.2
134	23.9	12.0	36.1

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#90

Hexachloroethane

Concen: 110.866 ug/l

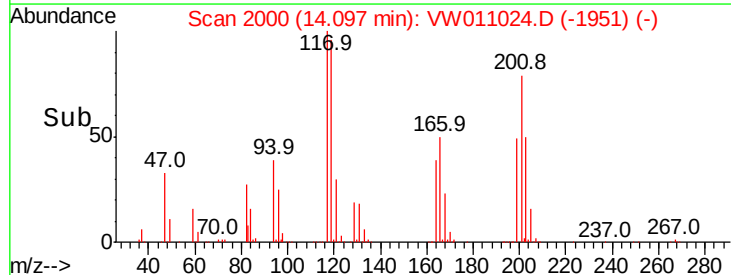
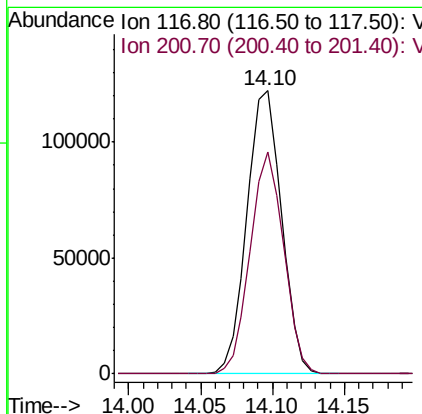
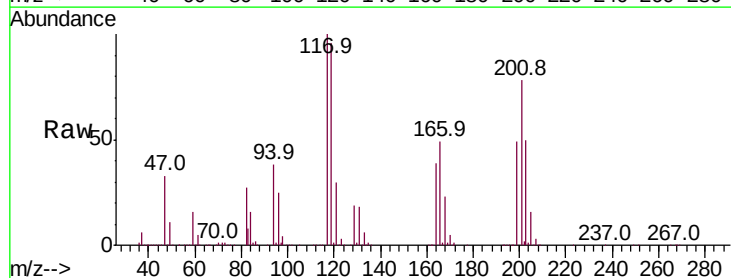
RT: 14.10 min Scan# 2000

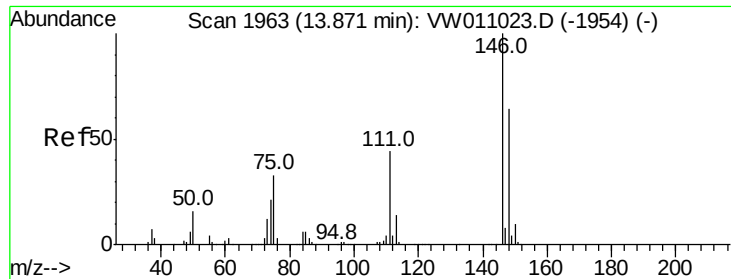
Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion:	117	Resp:	203587
Ion	Ratio	Lower	Upper
117	100		
201	75.8	38.0	114.0





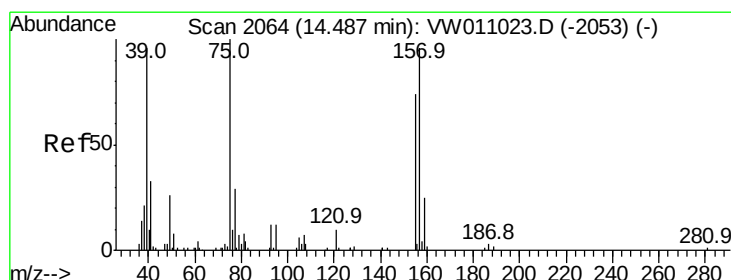
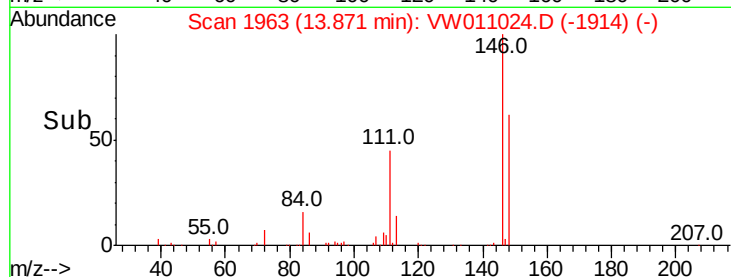
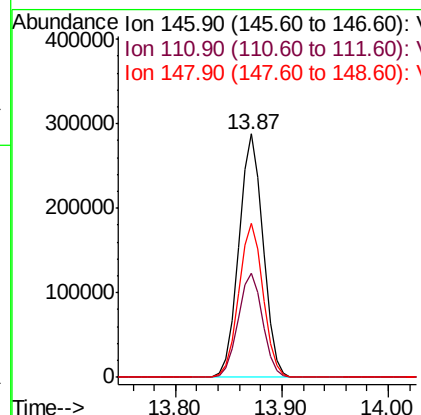
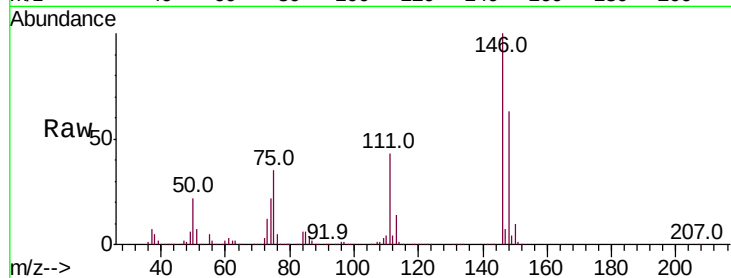
#91
 1,2-Dichlorobenzene
 Concen: 105.607 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.4	64.3
148	63.6	31.8	95.3

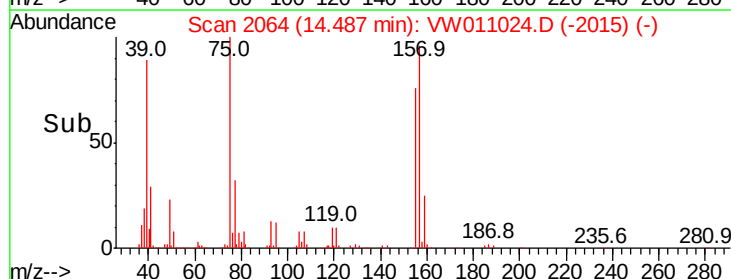
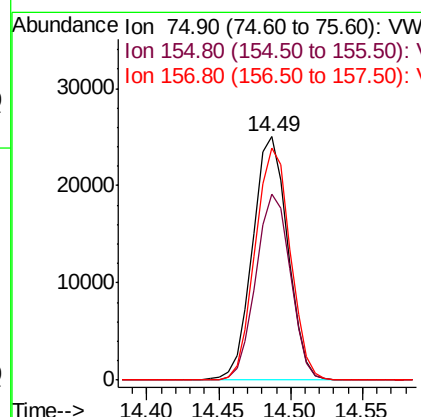
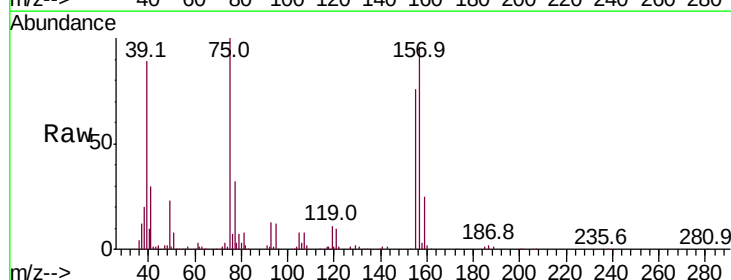
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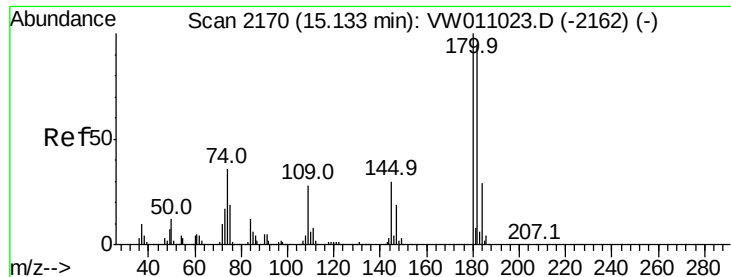
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 111.525 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011024.D
 Acq: 27 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	37.0	110.9
157	95.4	45.9	137.7





#93

1,2,4-Trichlorobenzene

Concen: 108.757 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Instrument :

MSVOA_W

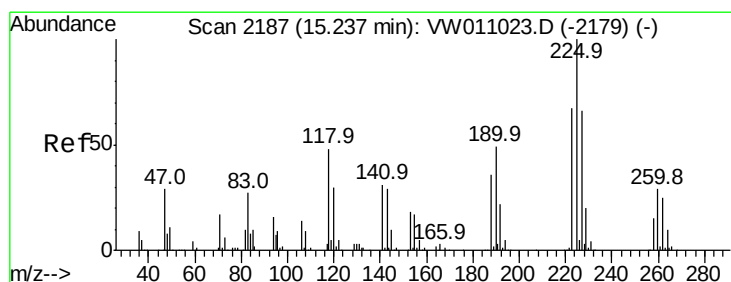
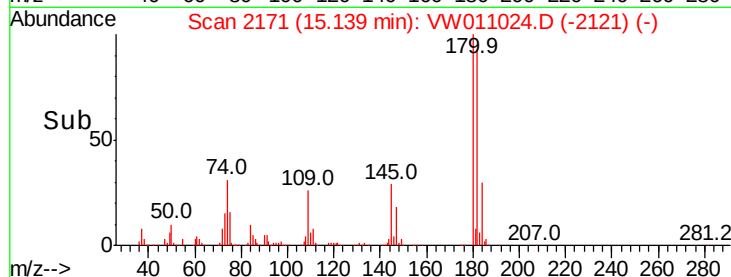
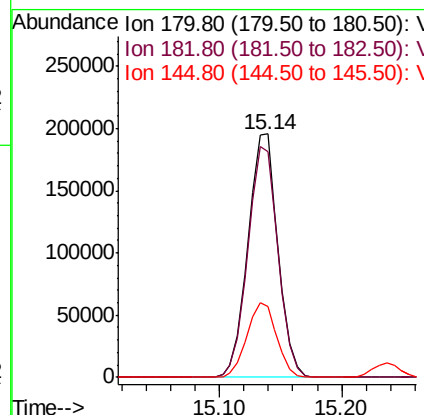
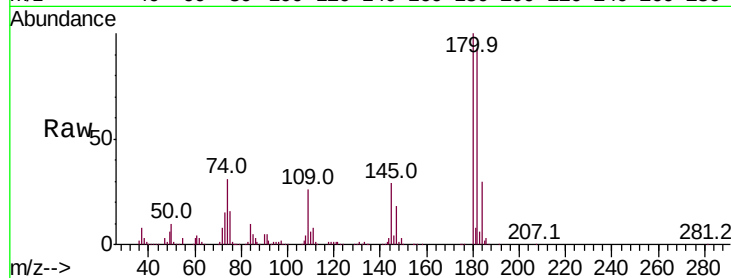
ClientSampleId :

VSTDIC100

Tot Ion:	180	Resp:	331803
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.4	142.2
145	30.5	15.3	45.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 103.675 ug/l

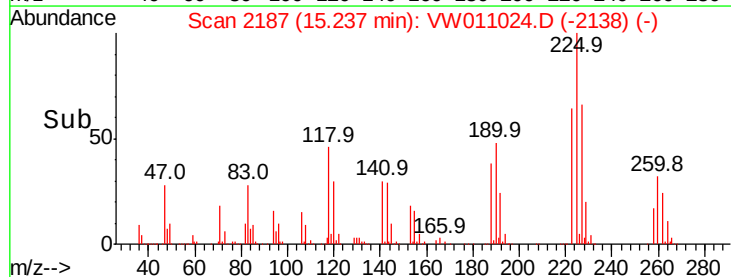
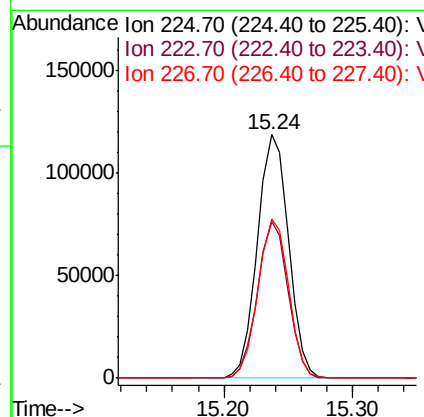
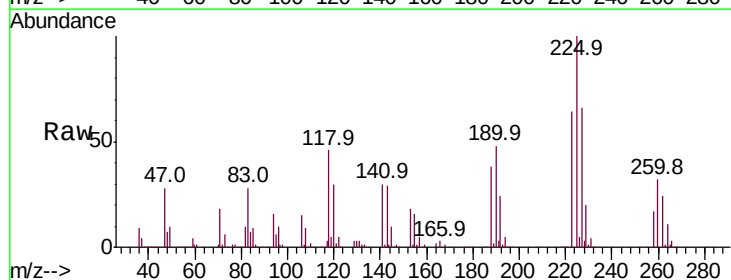
RT: 15.24 min Scan# 2187

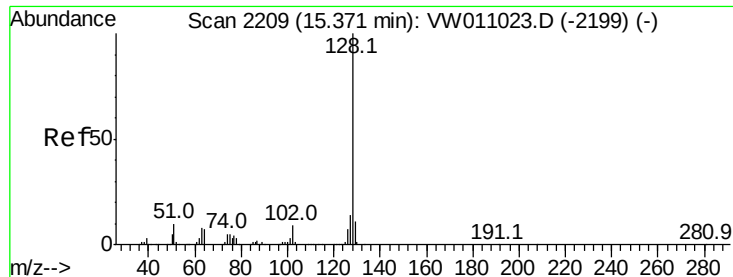
Delta R.T. -0.00 min

Lab File: VW011024.D

Acq: 27 Jun 2019 16:49

Tgt Ion:	225	Resp:	197165
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.9	95.9
227	64.6	31.9	95.9





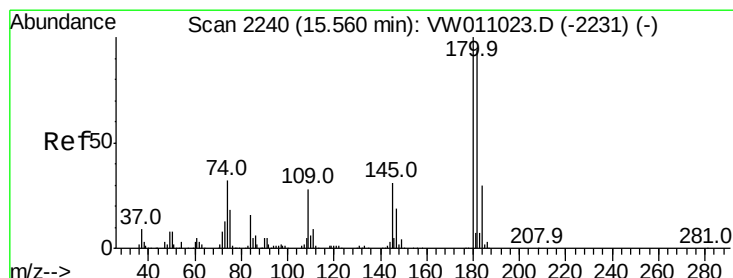
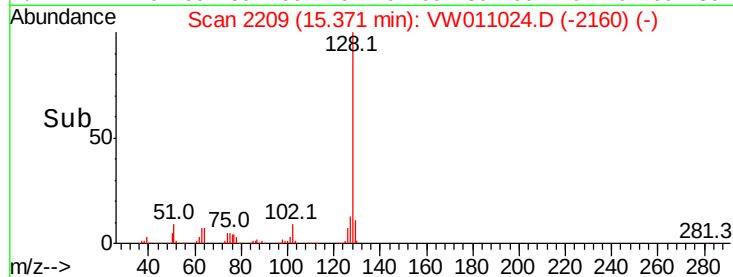
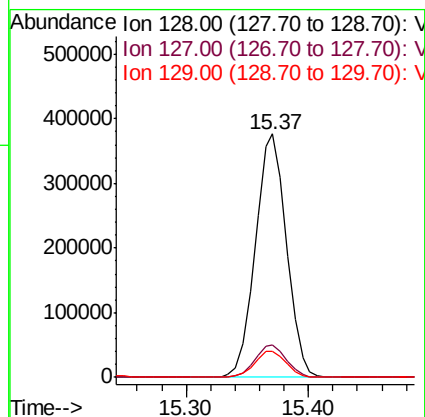
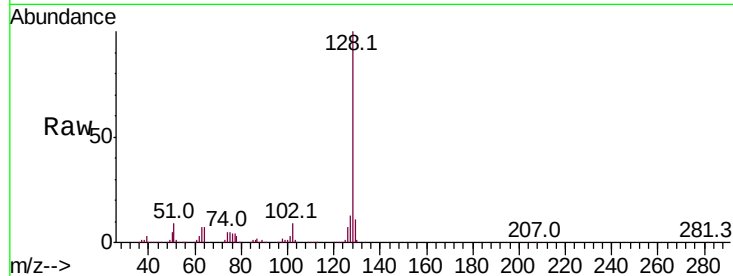
#95
Naphthalene
Concen: 118.627 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	128	Resp:	665109
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/28/2019 10:25:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 112.241 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011024.D
Acq: 27 Jun 2019 16:49

Tgt Ion:	180	Resp:	292992
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.7
145	32.1	16.1	48.2

