

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011025.D
 Acq On : 27 Jun 2019 17:16
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:25:13 AM

Quant Time: Jun 28 01:55:17 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	226716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	341290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	418721	149.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.90%	
35) Dibromofluoromethane	7.88	113	328146	156.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.00%	
50) Toluene-d8	10.32	98	1361526	148.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.16%	
62) 4-Bromofluorobenzene	12.62	95	504397	150.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	246154	119.589	ug/l	98
3) Chloromethane	2.21	50	339055	114.088	ug/l	97
4) Vinyl Chloride	2.36	62	405849	140.458	ug/l	100
5) Bromomethane	2.76	94	204938	130.900	ug/l	99
6) Chloroethane	2.91	64	230134	135.790	ug/l	100
7) Trichlorofluoromethane	3.24	101	135617	41.587	ug/l	90
8) Diethyl Ether	3.67	74	203428	152.693	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	350944	152.495	ug/l	100
10) Methyl Iodide	4.27	142	511599	231.745	ug/l	99
11) Tert butyl alcohol	5.17	59	154886	712.486	ug/l	98
12) 1,1-Dichloroethene	4.04	96	377299	167.108	ug/l	96
13) Acrolein	3.89	56	113643	1091.508	ug/l	99
14) Allyl chloride	4.66	41	607059	128.187	ug/l	98
15) Acrylonitrile	5.36	53	513107	782.607	ug/l	100
16) Acetone	4.12	43	535625	746.563	ug/l	99
17) Carbon Disulfide	4.38	76	1126528	159.113	ug/l	100
18) Methyl Acetate	4.66	43	267715	168.295	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	517933	87.562	ug/l	95
20) Methylene Chloride	4.92	84	386975	150.832	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	386364	153.923	ug/l	99
22) Diisopropyl ether	6.31	45	1448478	148.745	ug/l	97
23) Vinyl Acetate	6.25	43	4831513	815.538	ug/l	100
24) 1,1-Dichloroethane	6.21	63	769710	156.345	ug/l	100
25) 2-Butanone	7.16	43	832958	824.654	ug/l	99
26) 2,2-Dichloropropane	7.16	77	352970	94.512	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	420445	152.470	ug/l	98
28) Bromochloromethane	7.51	49	344399	152.811	ug/l	99
29) Tetrahydrofuran	7.52	42	522096	815.795	ug/l	99
30) Chloroform	7.67	83	692967	153.976	ug/l	99
31) Cyclohexane	7.95	56	773977	142.147	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	512335	133.578	ug/l	99
36) 1,1-Dichloropropene	8.08	75	581360	151.355	ug/l	99
37) Ethyl Acetate	7.25	43	347303	160.874	ug/l	99
38) Carbon Tetrachloride	8.06	117	492879	150.087	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	736665	152.064	ug/l	98
40) Benzene	8.32	78	1596810	152.091	ug/l	98
41) Methacrylonitrile	7.48	41	225934	175.216	ug/l	98
42) 1,2-Dichloroethane	8.40	62	523965	156.667	ug/l	99
43) Isopropyl Acetate	8.42	43	684244	165.168	ug/l	99
44) Trichloroethene	9.09	130	386931	149.960	ug/l	99
45) 1,2-Dichloropropane	9.37	63	441316	158.425	ug/l	99
46) Dibromomethane	9.46	93	205444	158.415	ug/l	100
47) Bromodichloromethane	9.64	83	540059	162.056	ug/l	100
48) Methyl methacrylate	9.43	41	338594	169.486	ug/l	99
49) 1,4-Dioxane	9.44	88	72654	3477.016	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1792296	840.429	ug/l	99
52) Toluene	10.38	92	996786	154.514	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	594712	168.625	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	688769	165.528	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	292048	156.546	ug/l	99
56) Ethyl methacrylate	10.65	69	479112	167.654	ug/l	99
57) 1,3-Dichloropropane	10.93	76	562574	160.104	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1141663	766.946	ug/l	99
59) 2-Hexanone	10.97	43	1294524	844.426	ug/l	99
60) Dibromochloromethane	11.13	129	336870	164.869	ug/l	99
61) 1,2-Dibromoethane	11.23	107	281871	160.055	ug/l	100
64) Tetrachloroethene	10.86	164	341293	149.799	ug/l	95
65) Chlorobenzene	11.66	112	1013859	149.932	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	359789	154.602	ug/l	99
67) Ethyl Benzene	11.73	91	1974239	151.896	ug/l	99
68) m/p-Xylenes	11.84	106	1425867	305.484	ug/l	99
69) o-Xylene	12.16	106	676090	153.164	ug/l	100
70) Styrene	12.18	104	1191880	155.335	ug/l	100
71) Bromoform	12.35	173	193377	161.262	ug/l #	98
73) Isopropylbenzene	12.46	105	1867958	150.806	ug/l	100
74) N-amyl acetate	12.27	43	680233	167.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	367179	154.528	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	262755m	150.718	ug/l	
77) Bromobenzene	12.75	156	407709	150.904	ug/l	100
78) n-propylbenzene	12.80	91	2285336	152.182	ug/l	99
79) 2-Chlorotoluene	12.90	91	1305831	152.216	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1569688	153.656	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	129579	172.182	ug/l	93
82) 4-Chlorotoluene	12.99	91	1352380	152.516	ug/l	100
83) tert-Butylbenzene	13.21	119	1316014	152.457	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1585568	154.256	ug/l	100
85) sec-Butylbenzene	13.38	105	1897263	151.075	ug/l	100
86) p-Isopropyltoluene	13.50	119	1713022	152.378	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	788602	150.782	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	780139	150.047	ug/l	98
89) n-Butylbenzene	13.82	91	1735138	154.264	ug/l	99
90) Hexachloroethane	14.10	117	316030	158.440	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	707912	149.818	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	64745	157.830	ug/l	98

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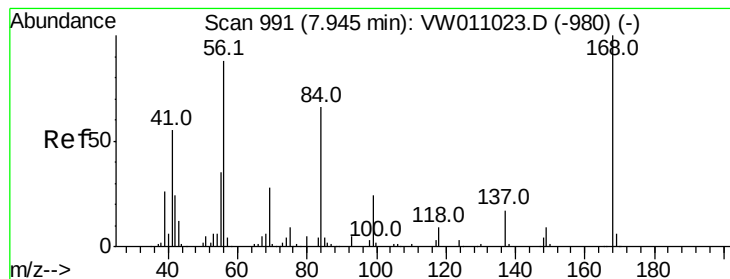
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	509367	153.709	ug/l	99
94) Hexachlorobutadiene	15.24	225	301115	145.770	ug/l	98
95) Naphthalene	15.37	128	1010817	165.979	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	451308	159.169	ug/l	98

(#) = 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: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 226716

Ion Ratio Lower Upper

168 100

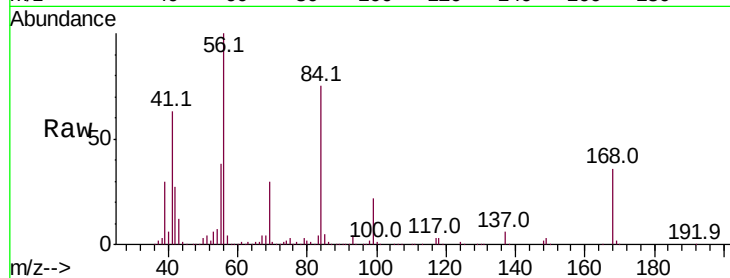
99 60.0 47.8 71.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

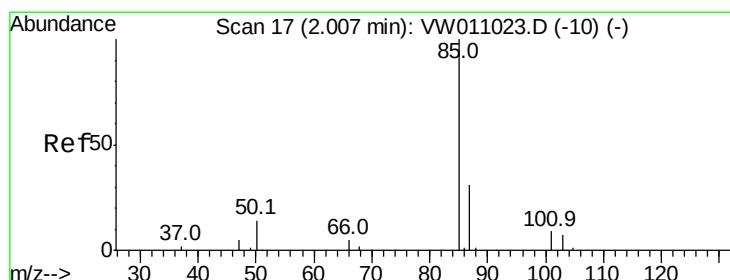
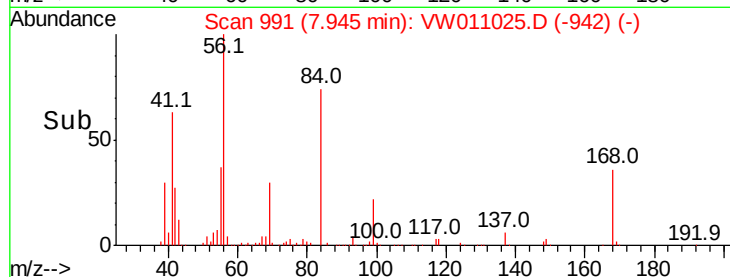
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 119.589 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011025.D

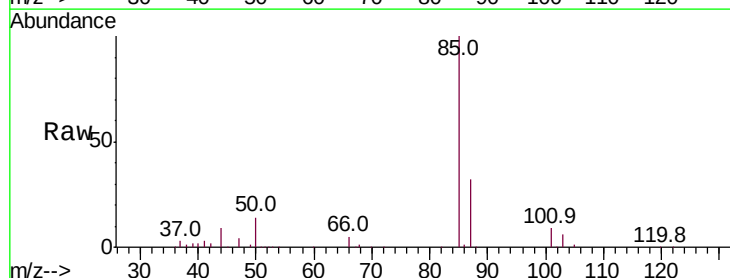
Acq: 27 Jun 2019 17:16

Tgt Ion: 85 Resp: 246154

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80000

60000

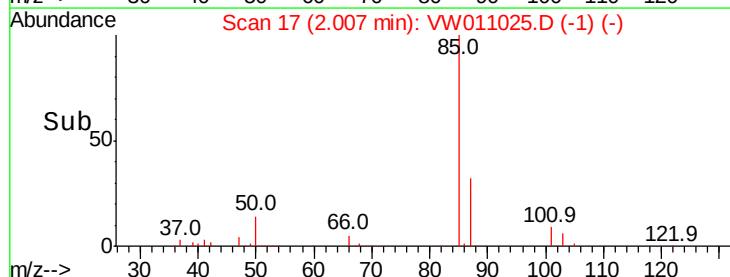
40000

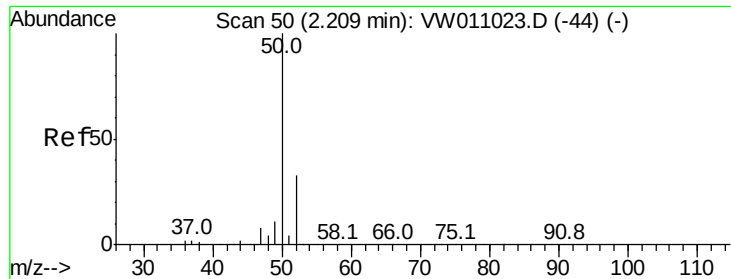
20000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 114.088 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 339055

Ion Ratio Lower Upper

50 100

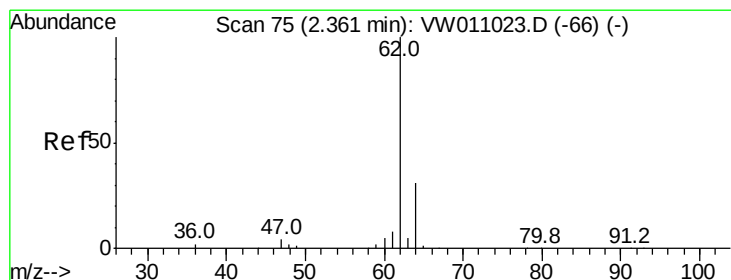
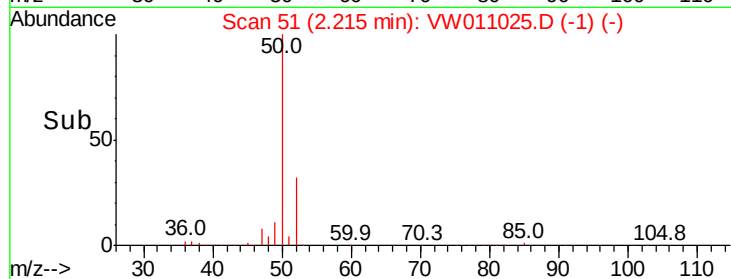
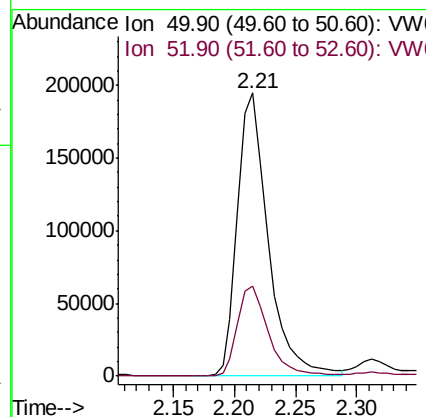
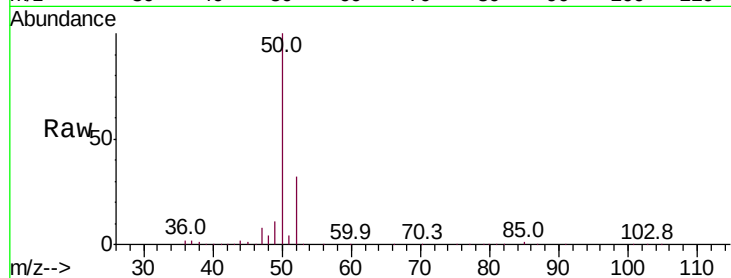
52 31.8 26.6 40.0

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#4

Vinyl Chloride

Concen: 140.458 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011025.D

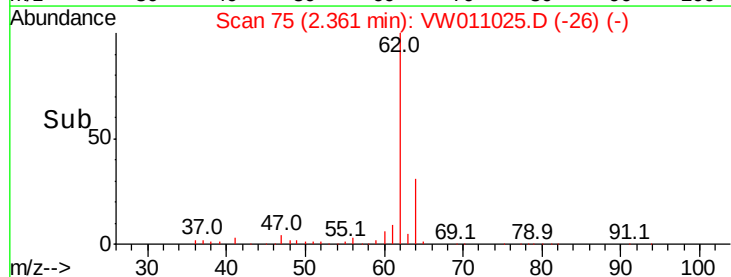
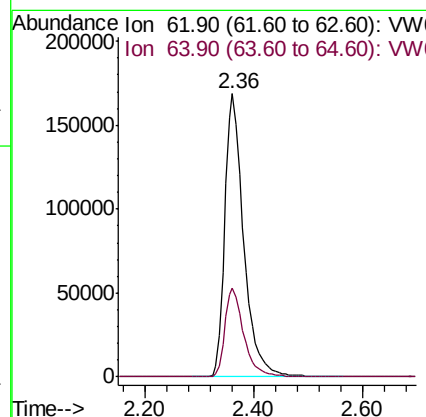
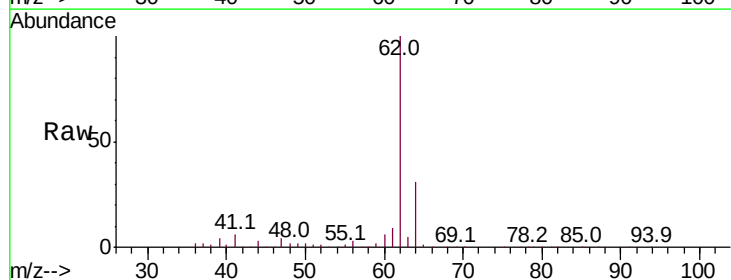
Acq: 27 Jun 2019 17:16

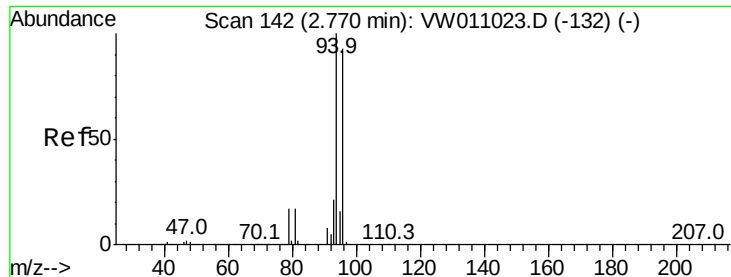
Tgt Ion: 62 Resp: 405849

Ion Ratio Lower Upper

62 100

64 31.2 24.8 37.2





#5

Bromomethane

Concen: 130.900 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 204938

Ion Ratio Lower Upper

94 100

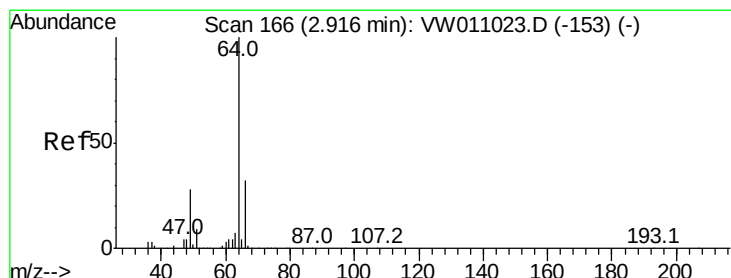
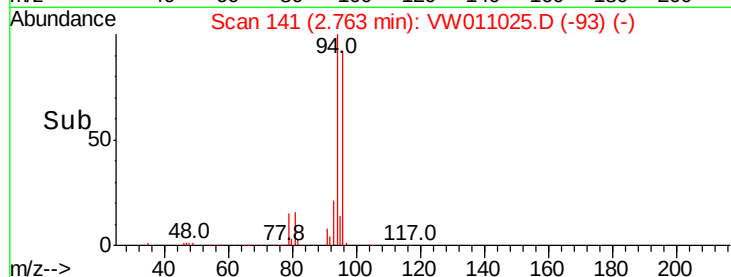
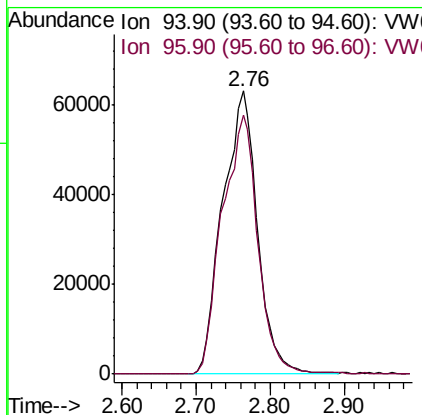
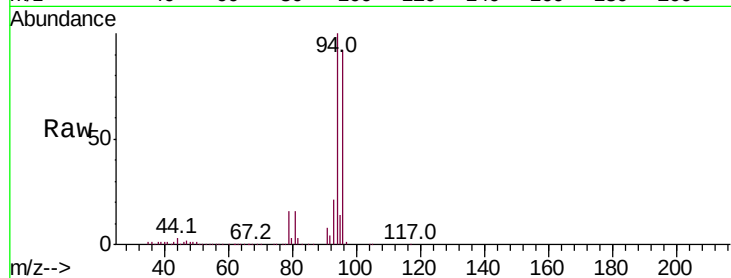
96 91.4 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 135.790 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011025.D

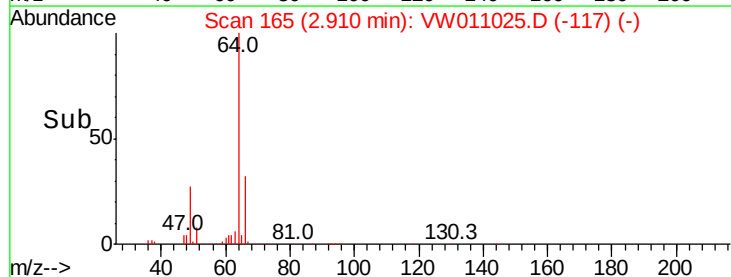
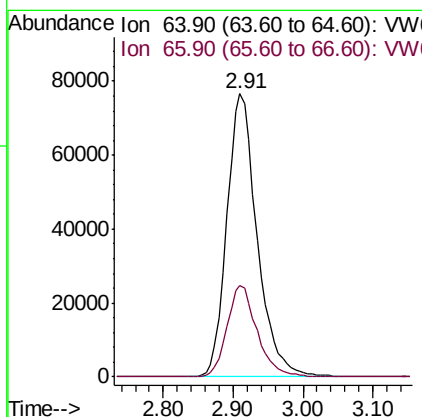
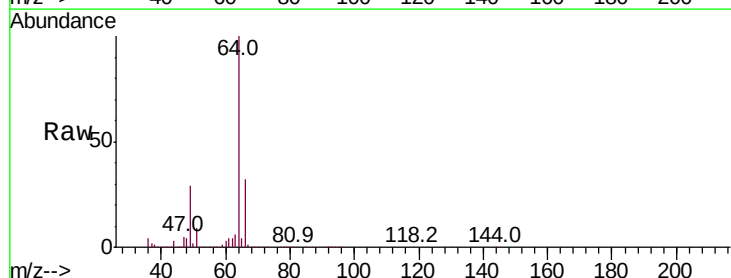
Acq: 27 Jun 2019 17:16

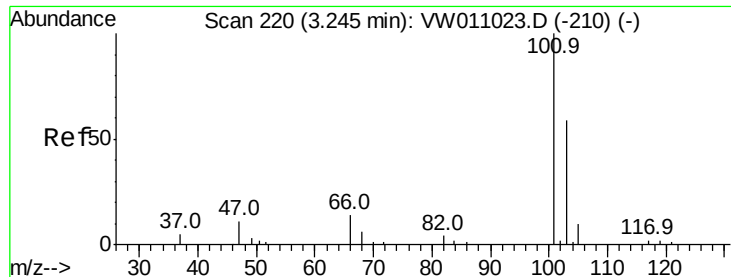
Tgt Ion: 64 Resp: 230134

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5





#7

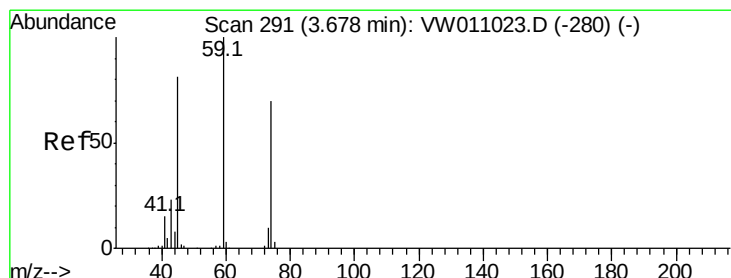
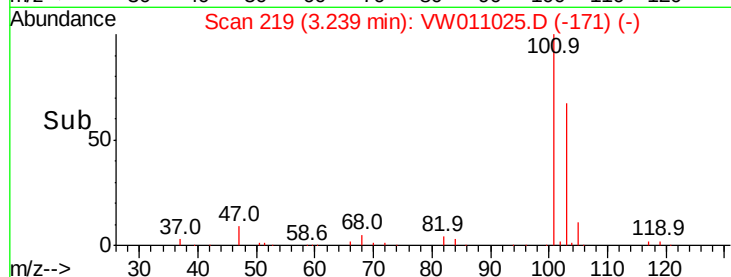
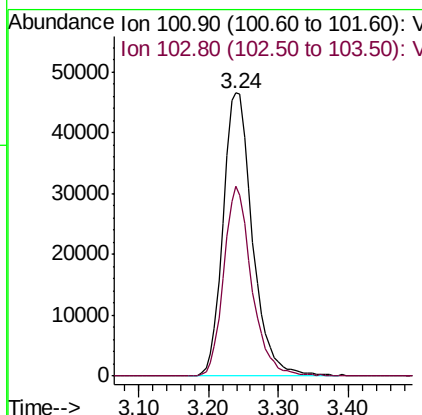
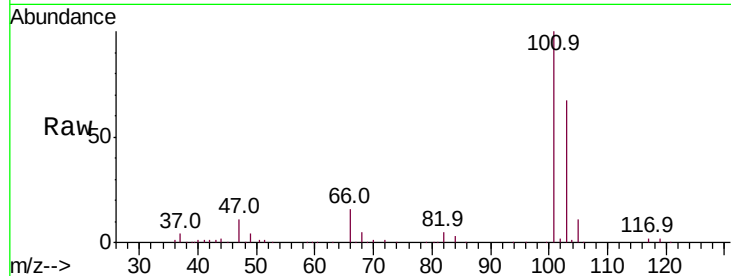
Trichlorofluoromethane
Concen: 41.587 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:101 Resp: 135617
Ion Ratio Lower Upper
101 100
103 67.0 47.5 71.3

Manual Integrations
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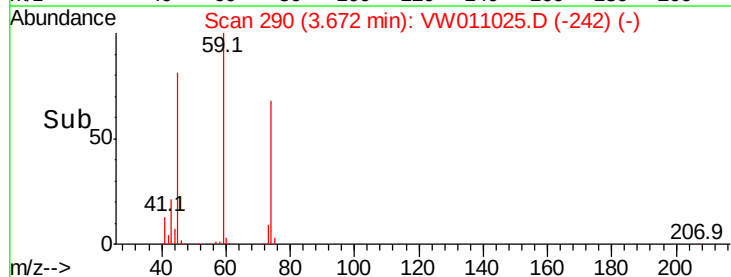
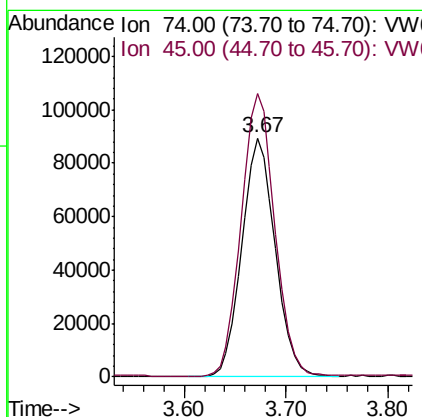
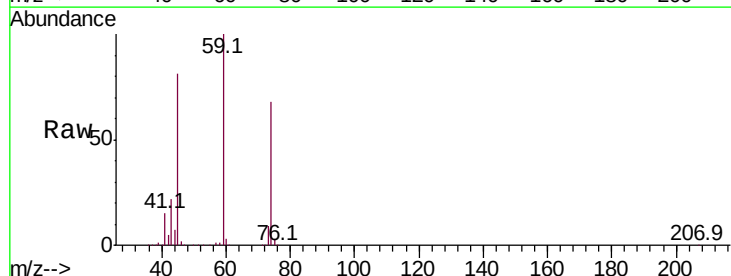
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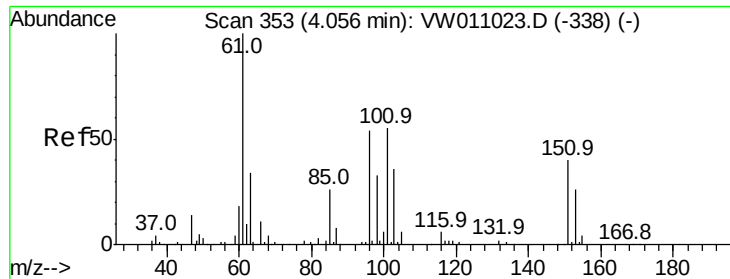


#8

Diethyl Ether
Concen: 152.693 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion: 74 Resp: 203428
Ion Ratio Lower Upper
74 100
45 119.9 59.5 178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 152.495 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

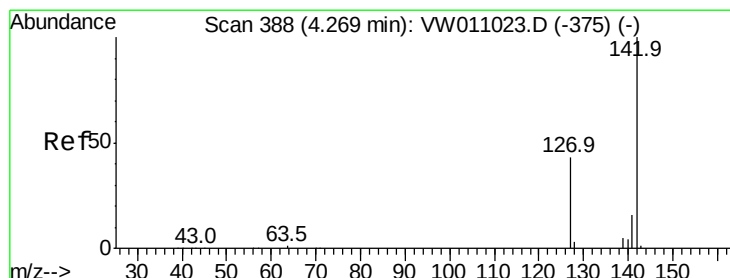
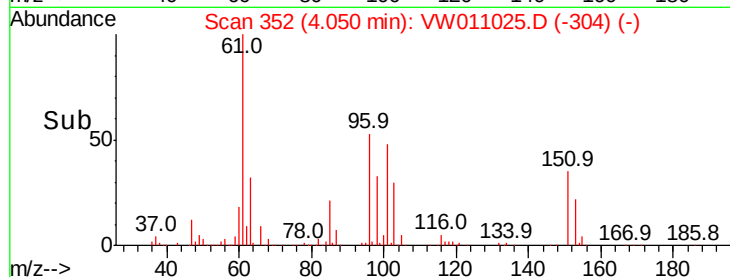
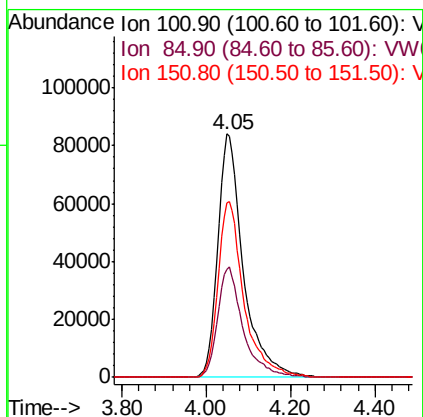
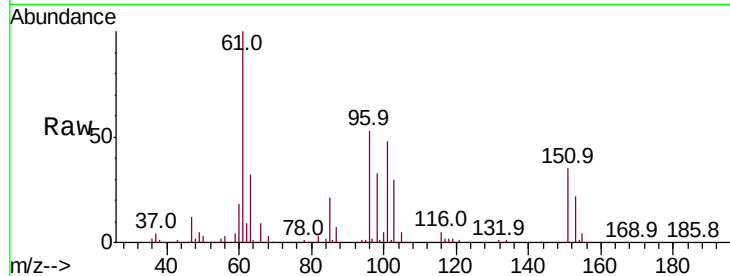
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	350944
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.6	55.0
151	73.3	58.9	88.3

Manual Integrations
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#10

Methyl Iodide

Concen: 231.745 ug/l

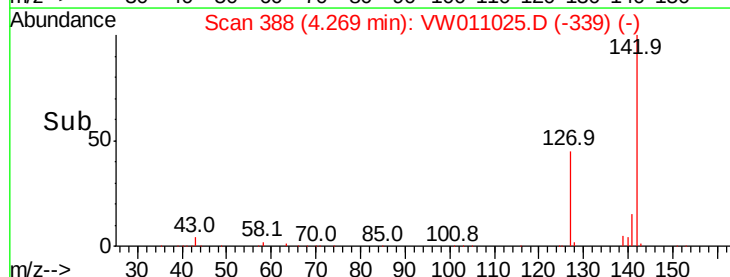
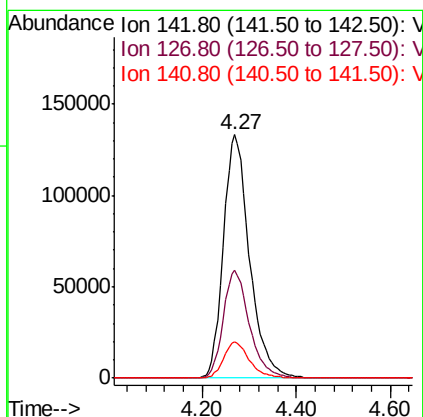
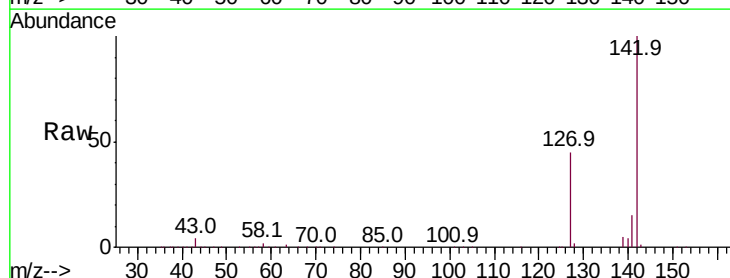
RT: 4.27 min Scan# 388

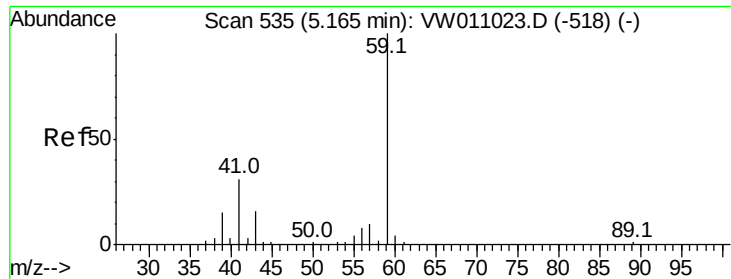
Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Tgt Ion:	142	Resp:	511599
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.8	53.8
141	14.6	12.2	18.2





#11

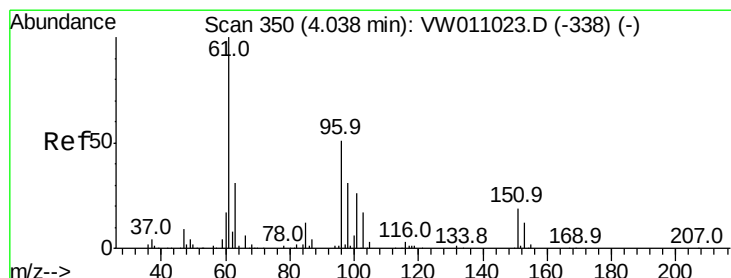
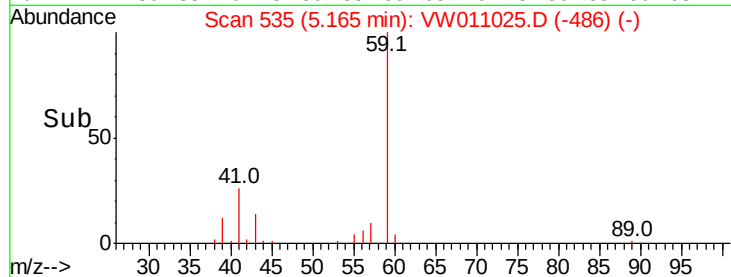
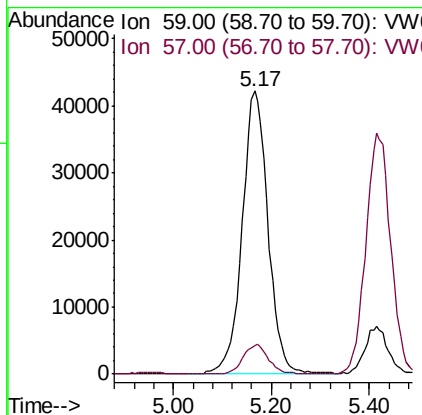
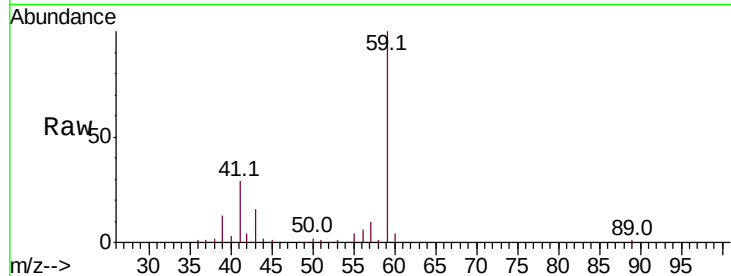
Tert butyl alcohol
Concen: 712.486 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	154886		
57	10.4		9.0	13.4

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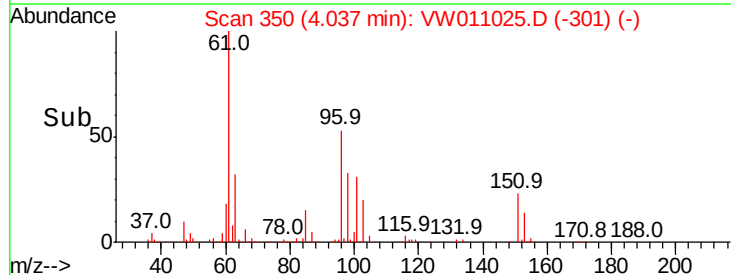
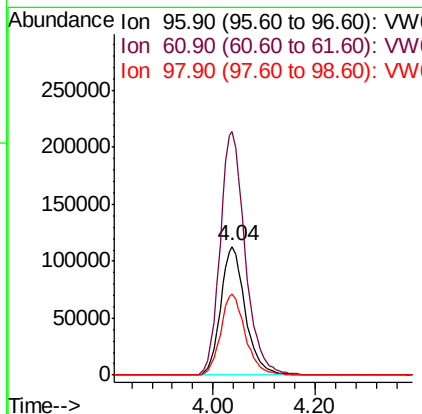
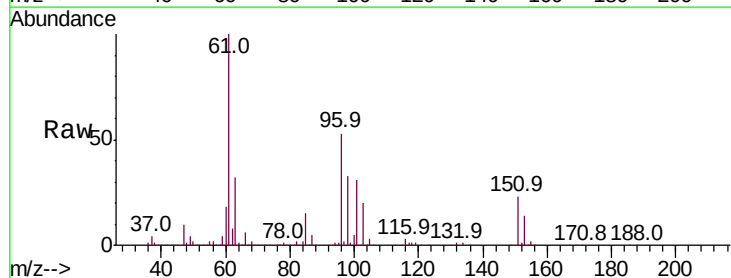
MMDadoda
6/28/2019 10:25:13 AM

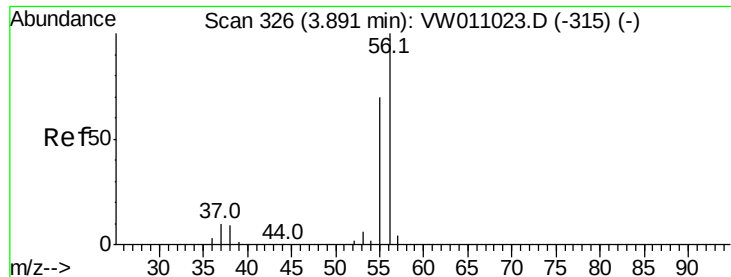


#12

1,1-Dichloroethene
Concen: 167.108 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	377299		
61	189.4		156.0	234.0
98	63.0		48.7	73.1





#13

Acrolein

Concen: 1091.508 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 113643

Ion Ratio Lower Upper

56 100

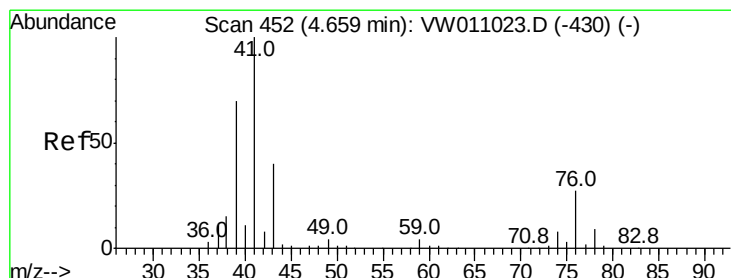
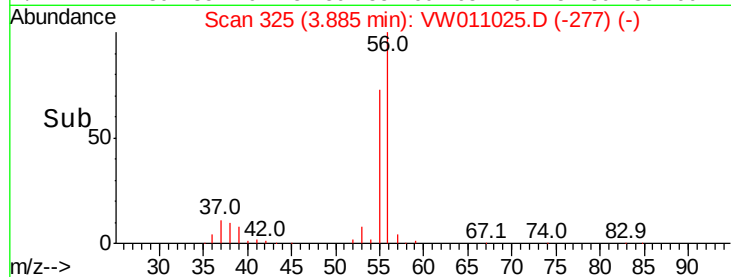
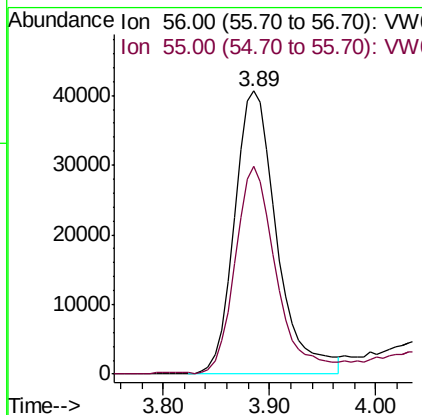
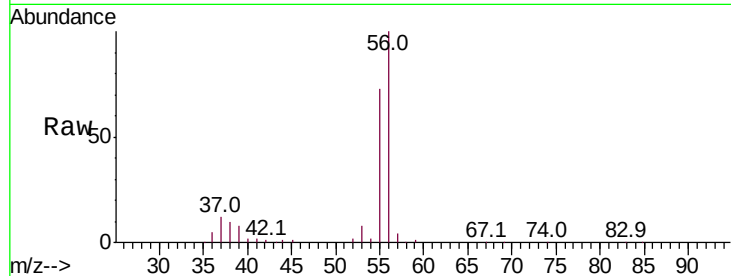
55 70.6 55.7 83.5

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#14

Allyl chloride

Concen: 128.187 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

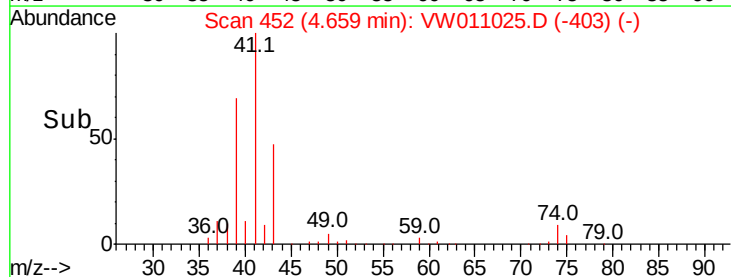
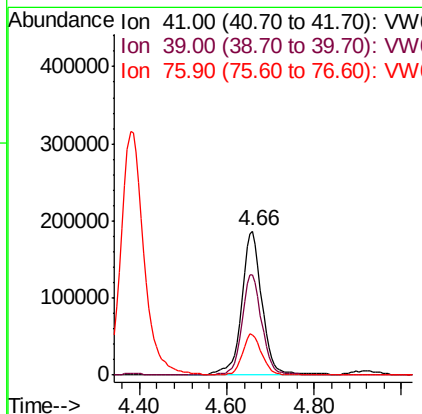
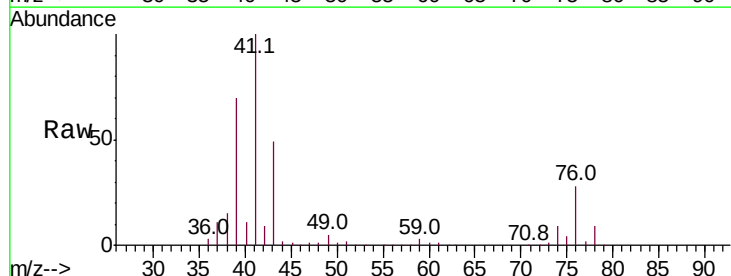
Tgt Ion: 41 Resp: 607059

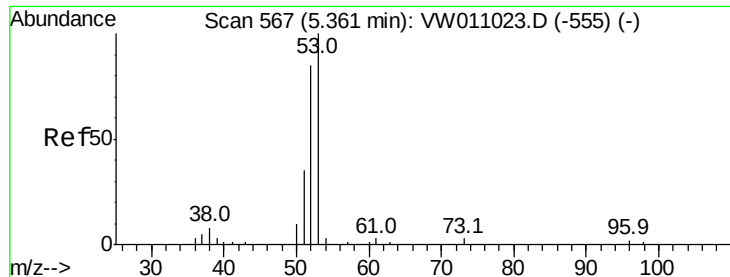
Ion Ratio Lower Upper

41 100

39 67.9 55.4 83.2

76 26.7 22.0 33.0





#15

Acrylonitrile

Concen: 782.607 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

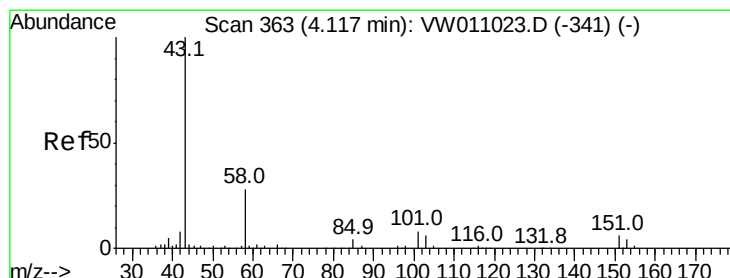
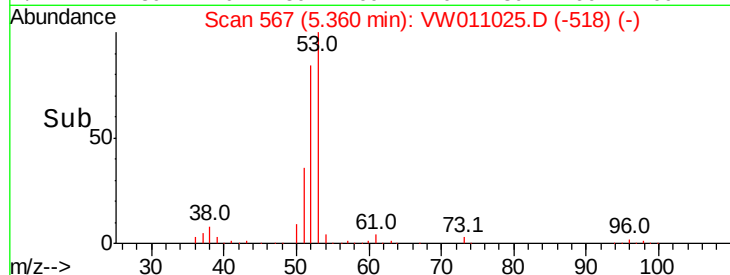
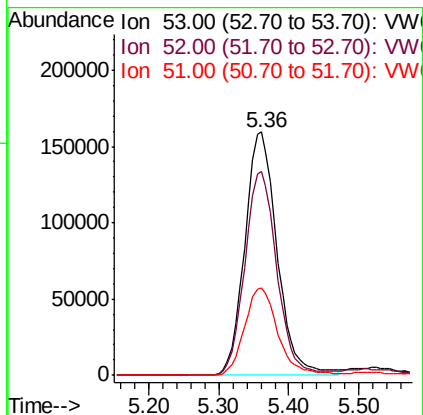
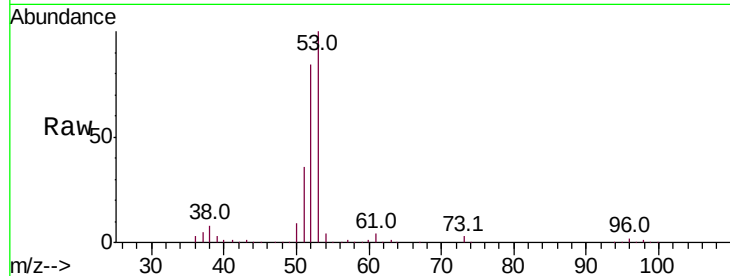
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	513107
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.3	99.5
51	37.3	29.8	44.6

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#16

Acetone

Concen: 746.563 ug/l

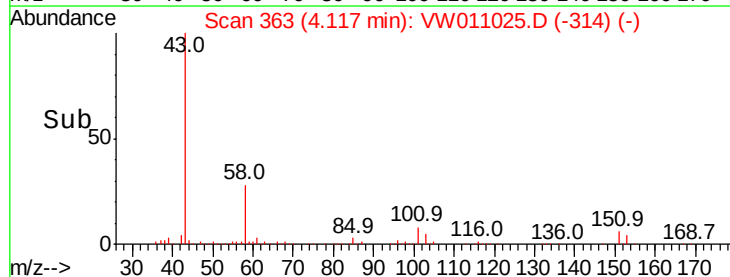
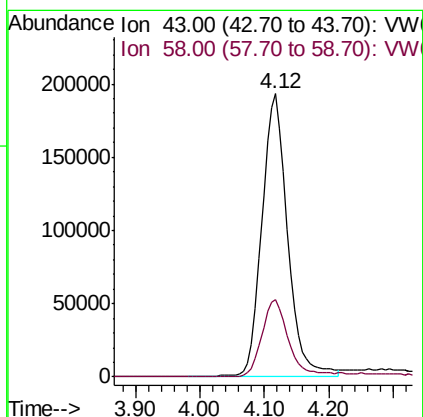
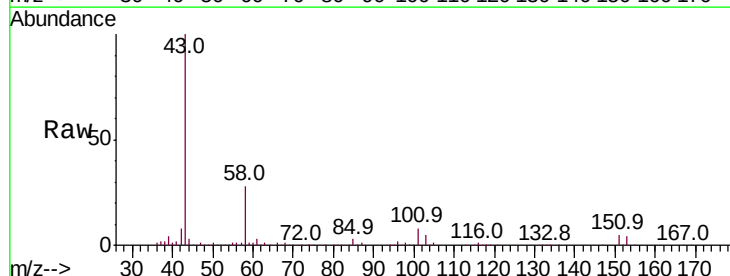
RT: 4.12 min Scan# 363

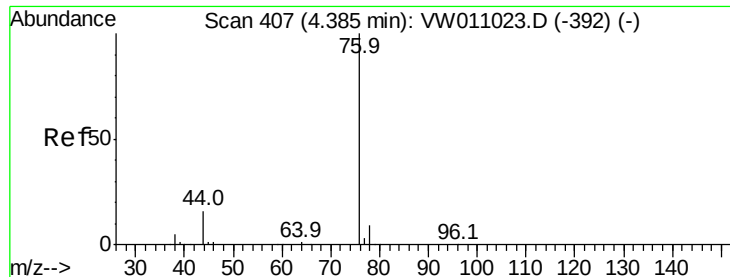
Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Tgt Ion:	43	Resp:	535625
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.5	33.7





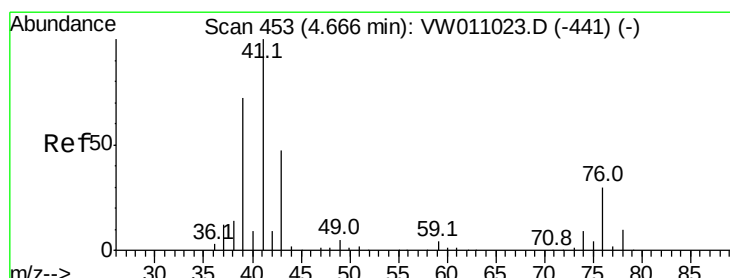
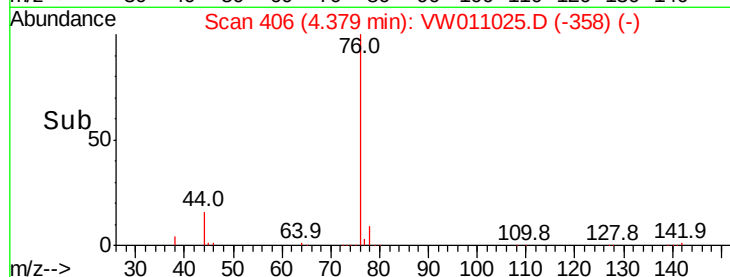
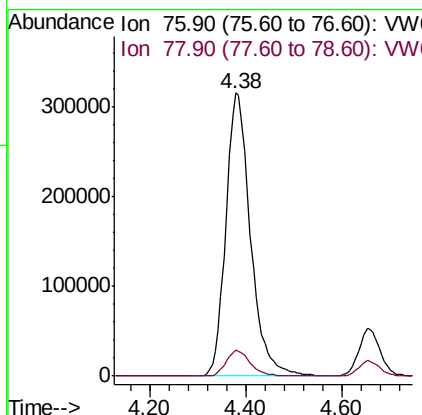
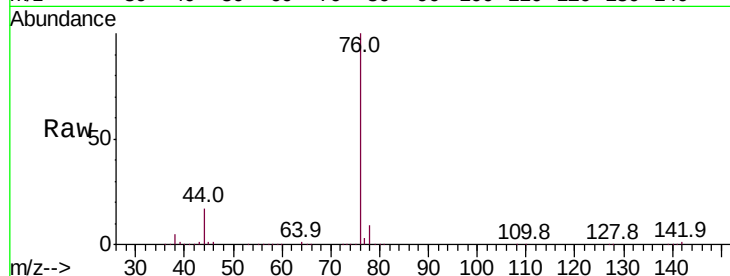
#17
Carbon Disulfide
Concen: 159.113 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1126528
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

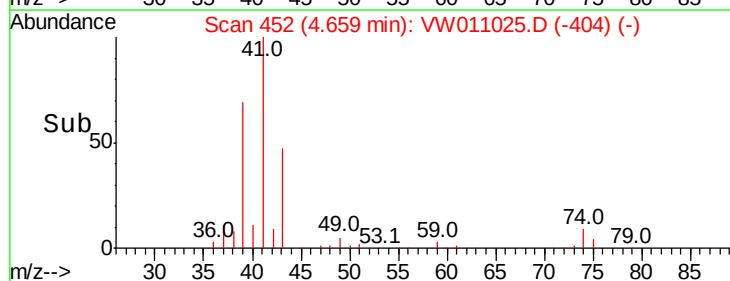
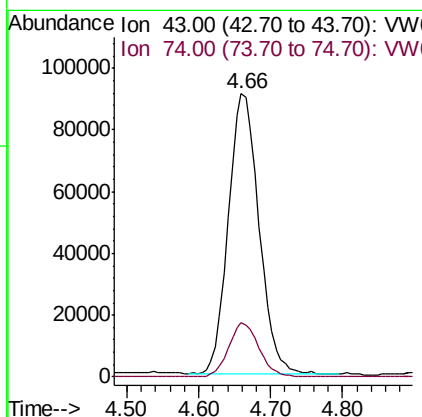
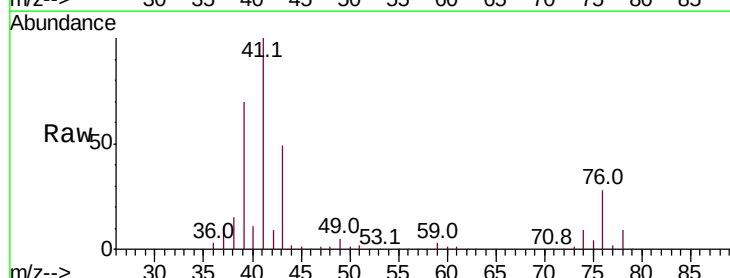
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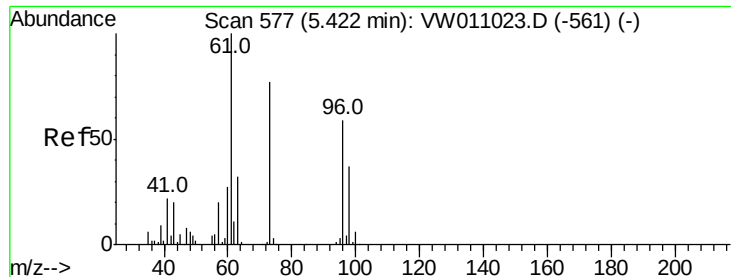
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#18
Methyl Acetate
Concen: 168.295 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion: 43 Resp: 267715
Ion Ratio Lower Upper
43 100
74 19.1 15.8 23.8





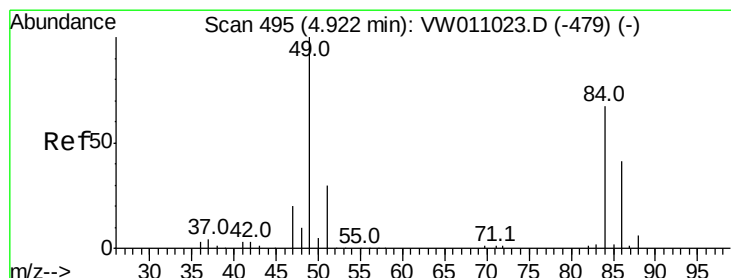
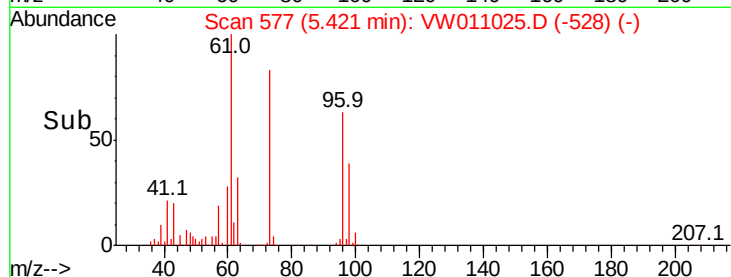
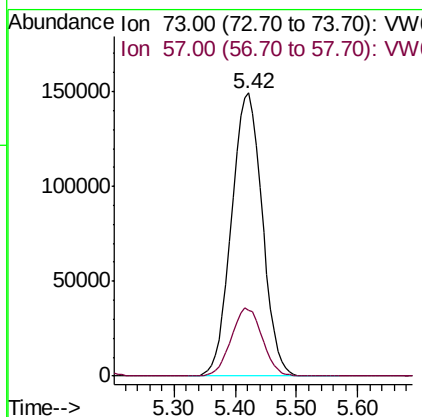
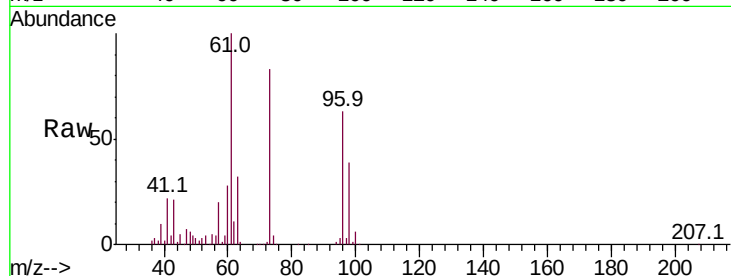
#19
Methyl tert-butyl Ether
Concen: 87.562 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 517933
Ion Ratio Lower Upper
73 100
57 23.5 20.8 31.2

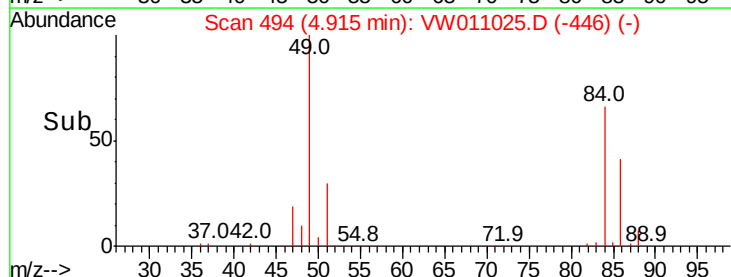
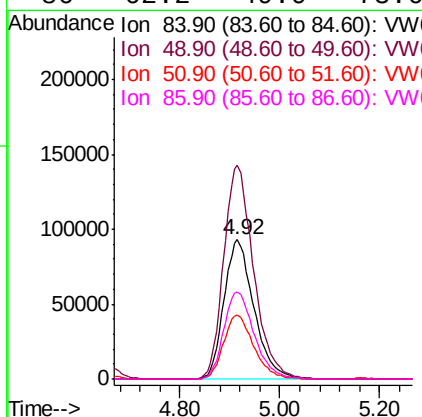
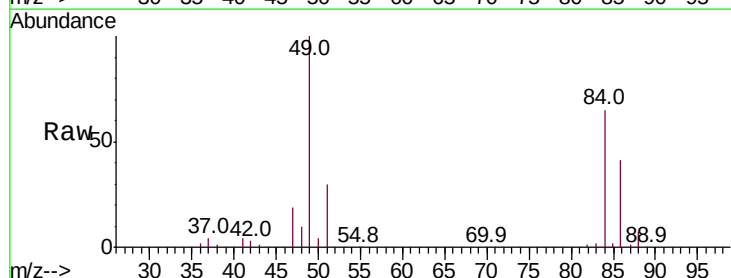
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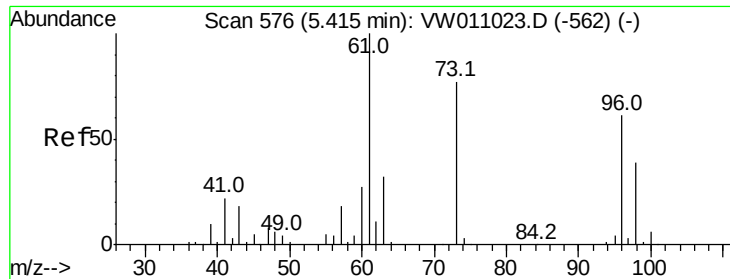
MMDadoda
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#20
Methylene Chloride
Concen: 150.832 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion: 84 Resp: 386975
Ion Ratio Lower Upper
84 100
49 153.3 119.6 179.4
51 46.0 35.6 53.4
86 62.2 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 153.923 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 96 Resp: 386364

Ion Ratio Lower Upper

96 100

61 161.5 131.0 196.4

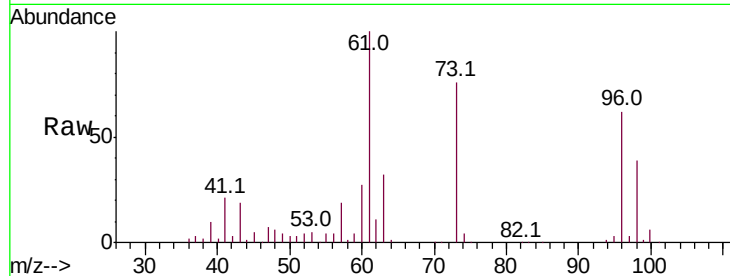
98 63.0 50.8 76.2

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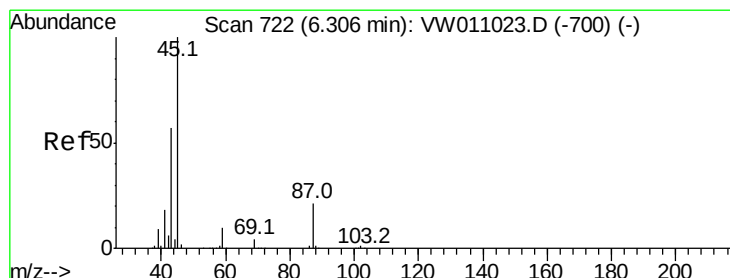
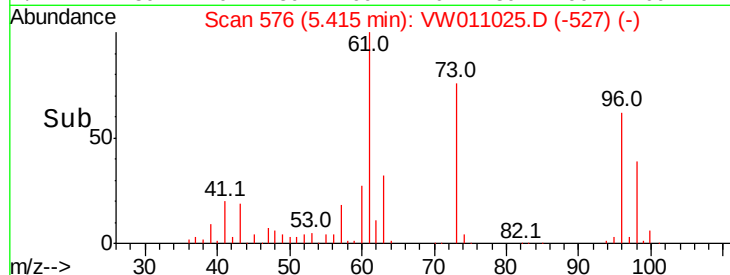
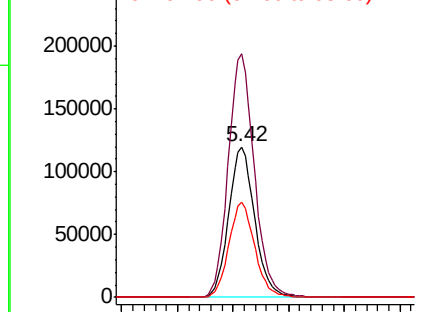


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 148.745 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Tgt Ion: 45 Resp: 1448478

Ion Ratio Lower Upper

45 100

43 53.6 45.8 68.6

87 21.4 17.1 25.7

59 10.0 8.2 12.4

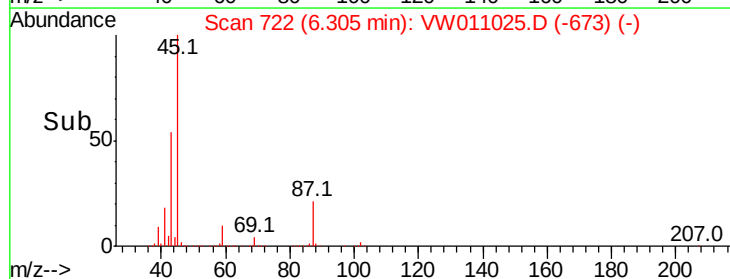
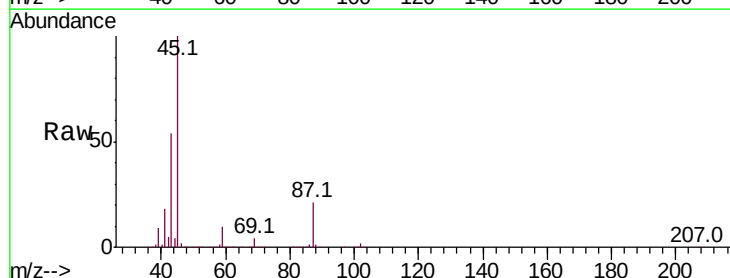
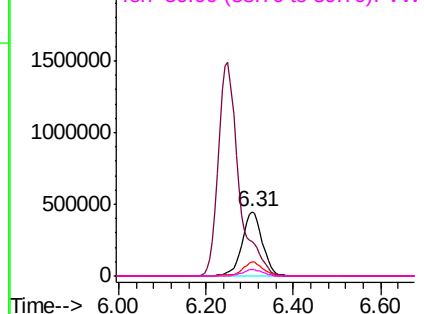
Abundance

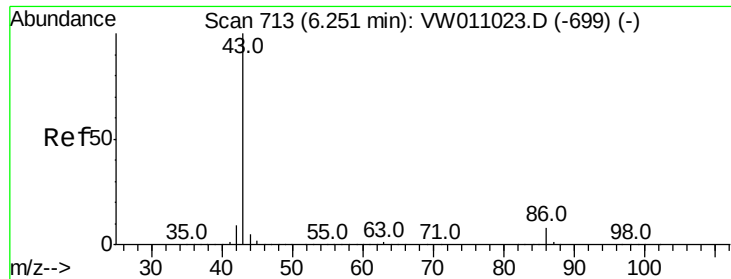
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





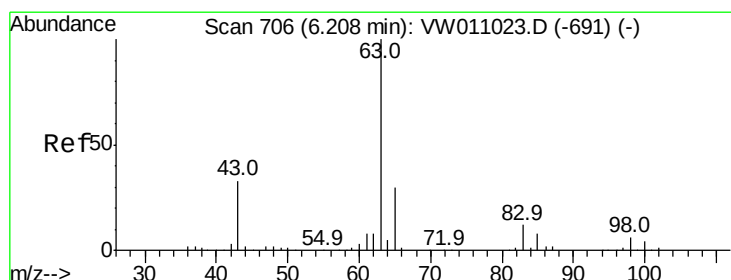
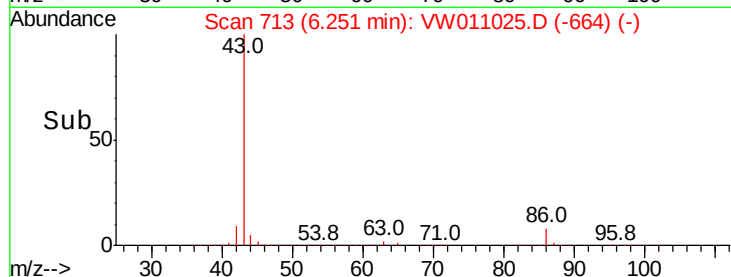
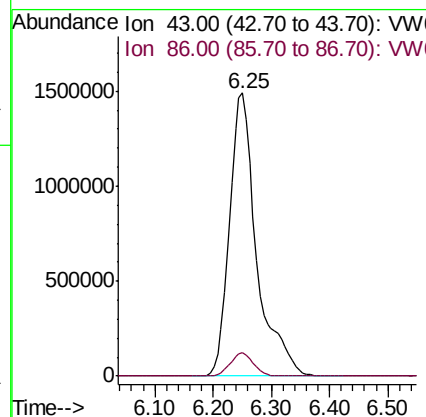
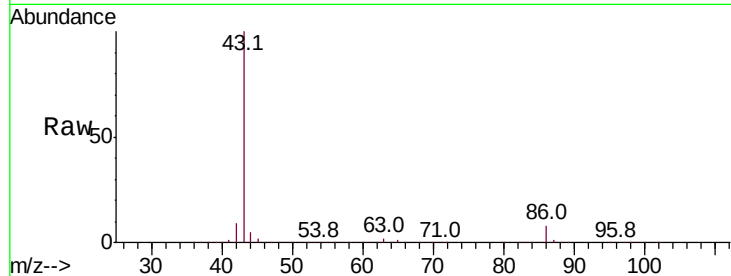
#23
 Vinyl Acetate
 Concen: 815.538 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 4831513
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.6 10.0

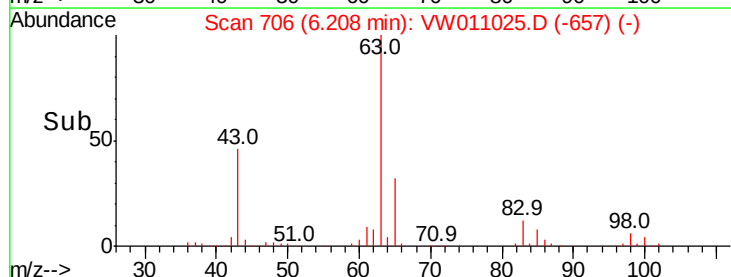
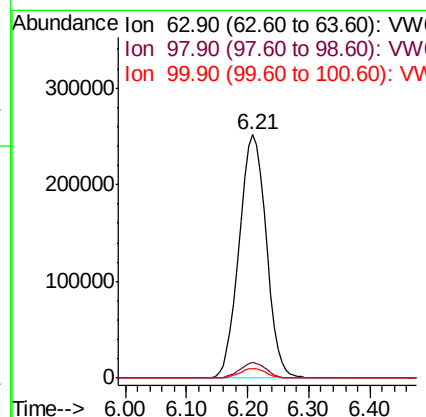
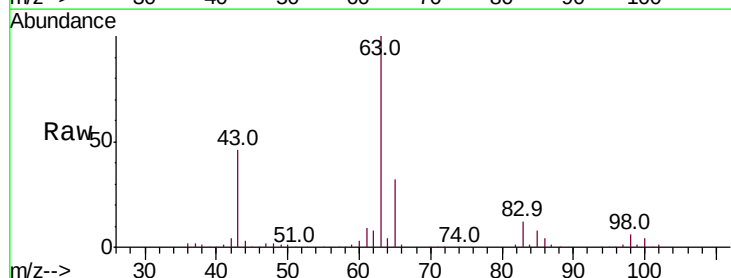
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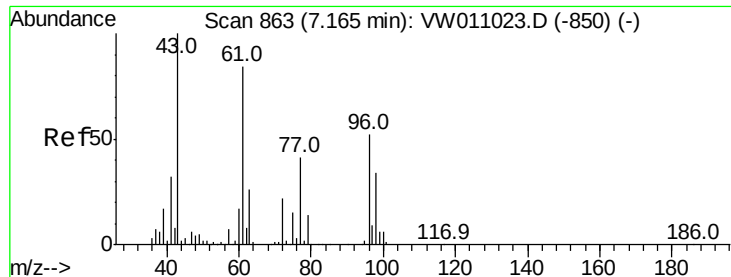
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 156.345 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Tgt Ion: 63 Resp: 769710
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.1 9.4
 100 4.0 2.1 6.2





#25

2-Butanone

Concen: 824.654 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 832958

Ion Ratio Lower Upper

43 100

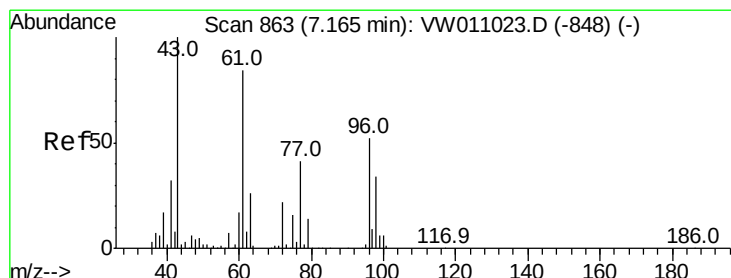
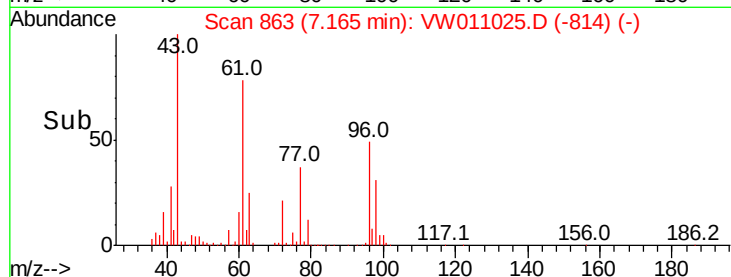
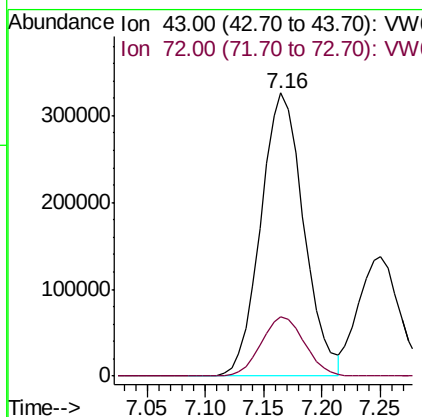
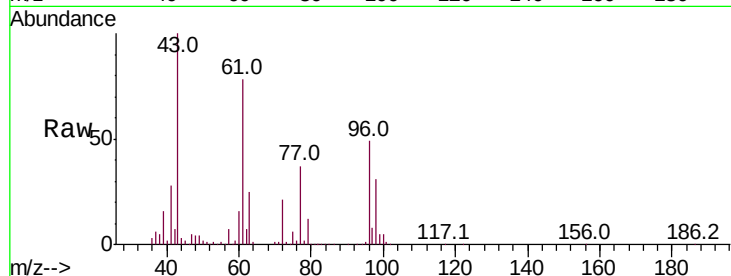
72 21.1 17.2 25.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 94.512 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011025.D

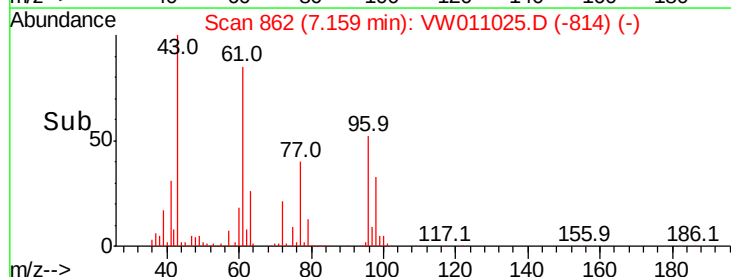
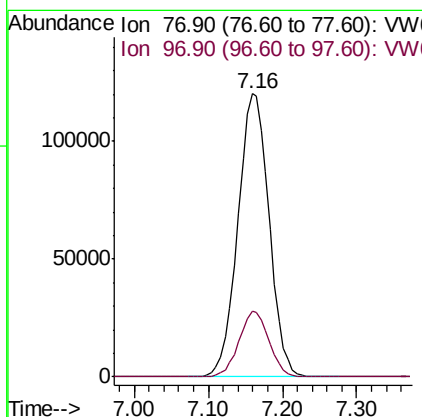
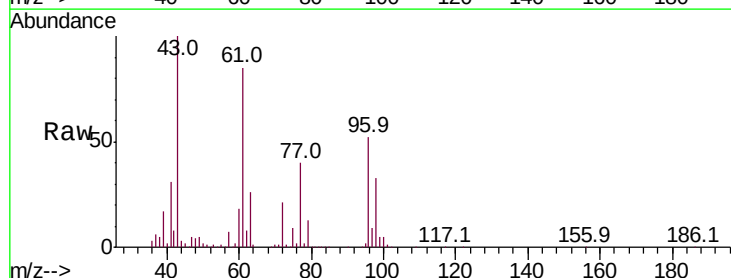
Acq: 27 Jun 2019 17:16

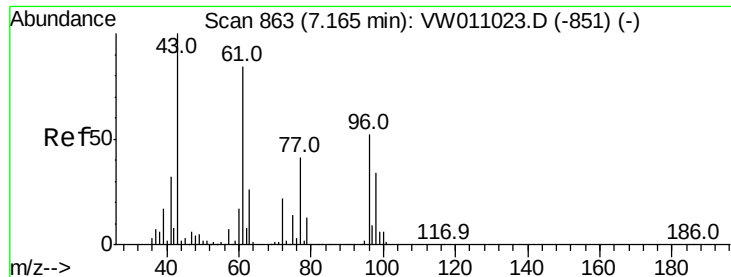
Tgt Ion: 77 Resp: 352970

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.7





#27

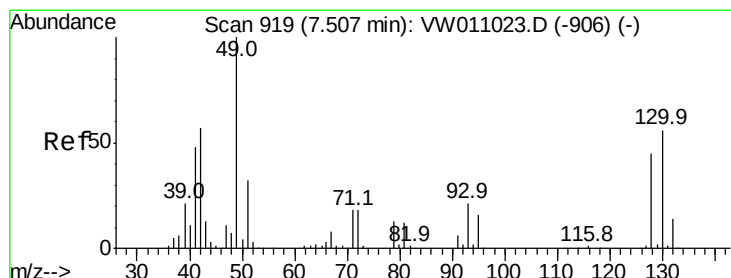
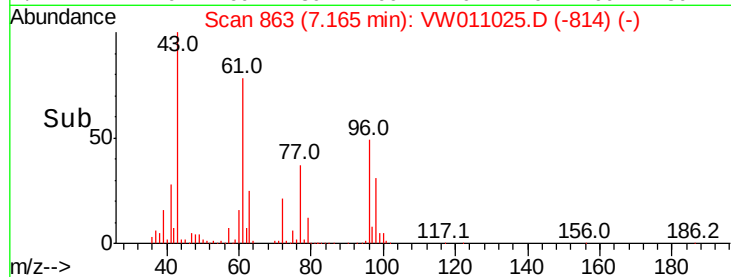
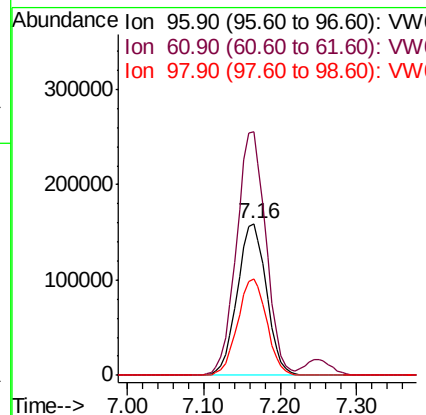
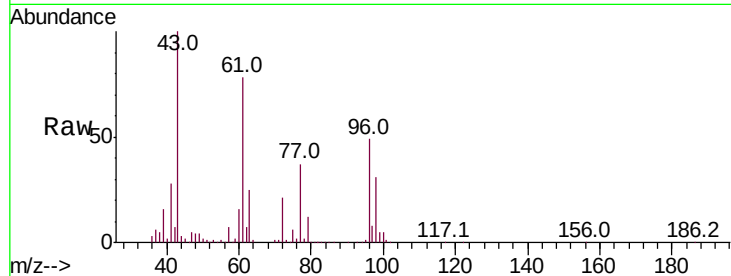
cis-1,2-Dichloroethene
Concen: 152.470 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.2	0.0	330.4
98	63.3	0.0	129.4

Manual Integrations
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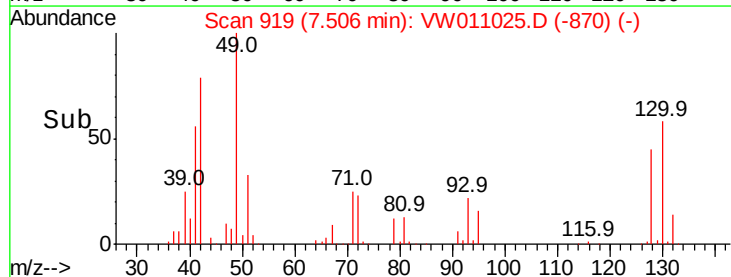
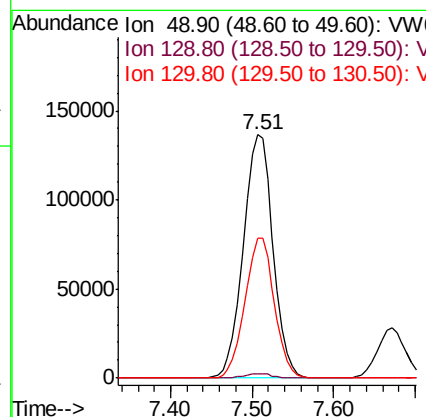
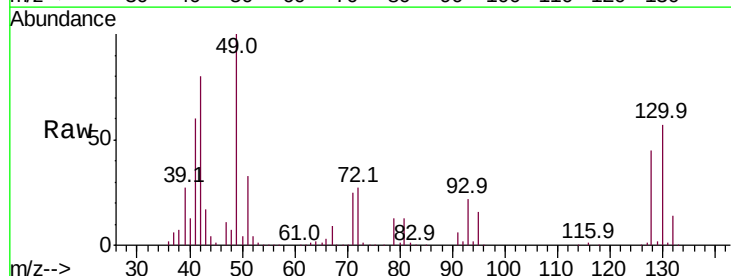
MMDadoda
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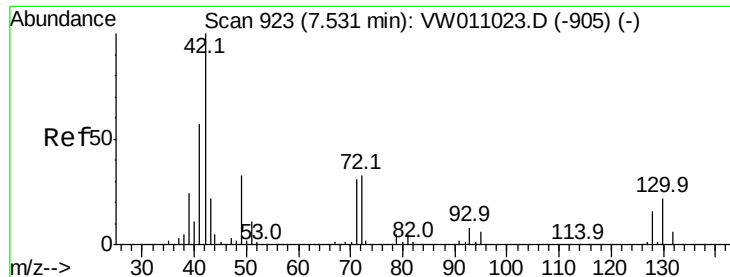


#28

Bromochloromethane
Concen: 152.811 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	57.0	46.1	69.1





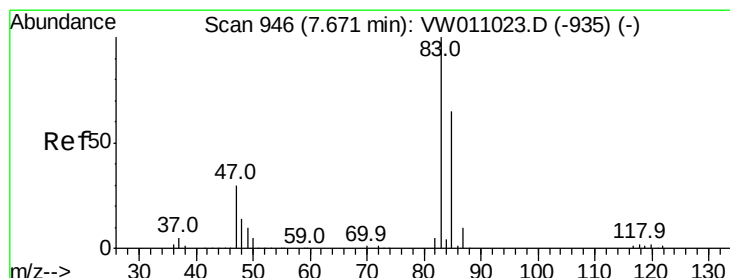
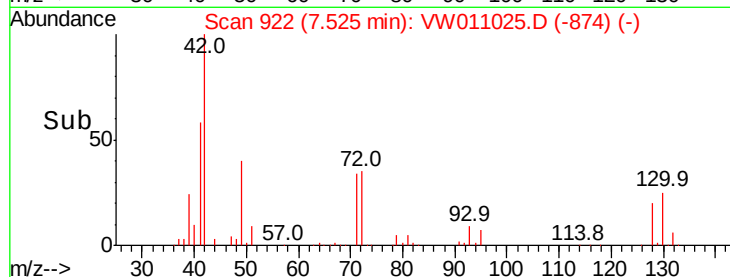
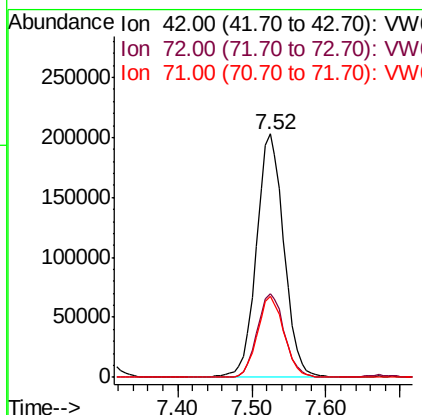
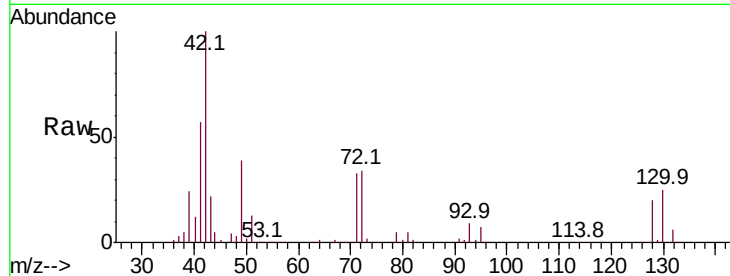
#29
Tetrahydrofuran
Concen: 815.795 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:	42	Resp:	522096
Ion Ratio		Lower	Upper
42	100		
72	34.3	27.4	41.0
71	32.6	25.6	38.4

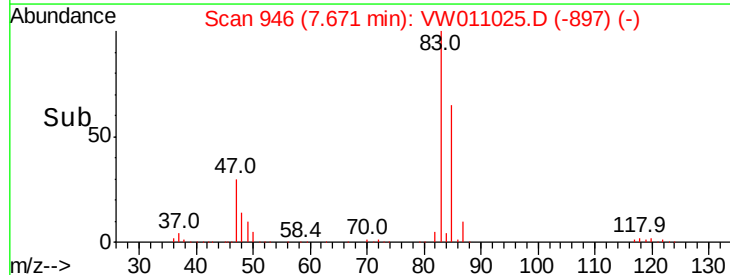
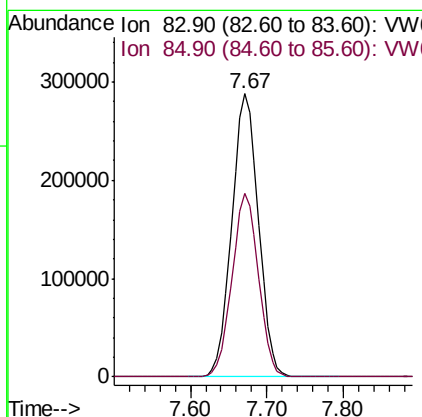
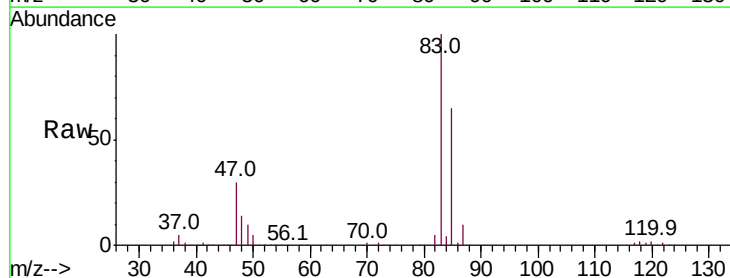
Manual Integrations
APPROVED

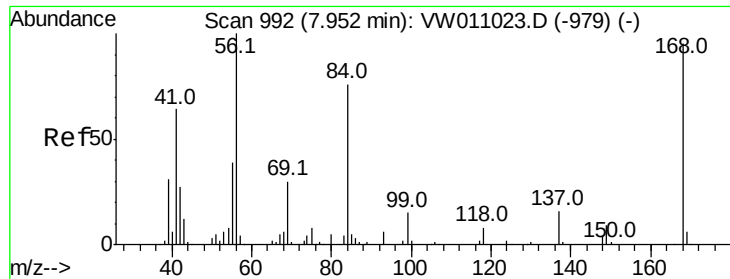
MMDadoda
6/28/2019 10:25:13 AM



#30
Chloroform
Concen: 153.976 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion:	83	Resp:	692967
Ion Ratio		Lower	Upper
83	100		
85	64.8	52.2	78.4





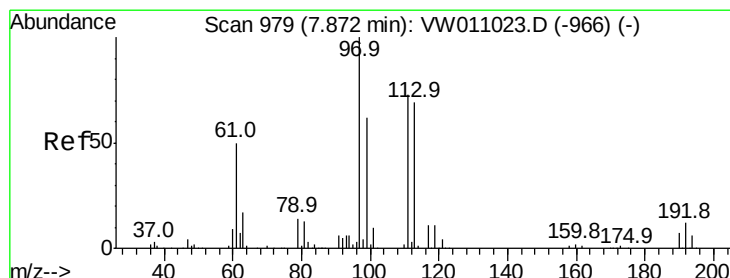
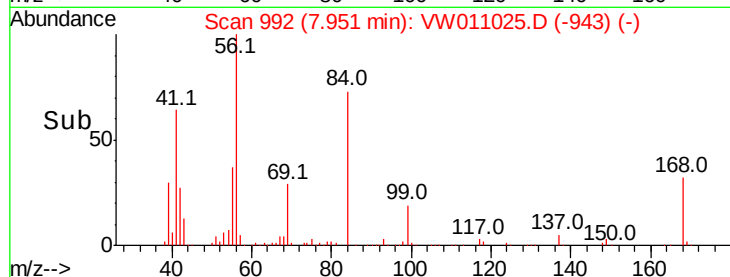
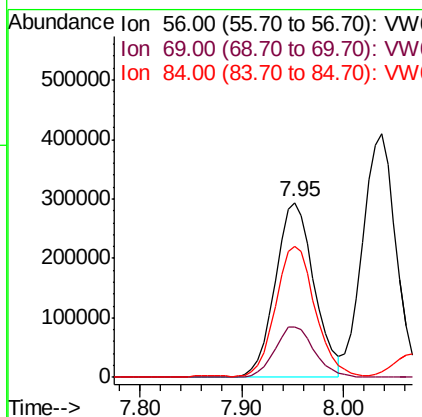
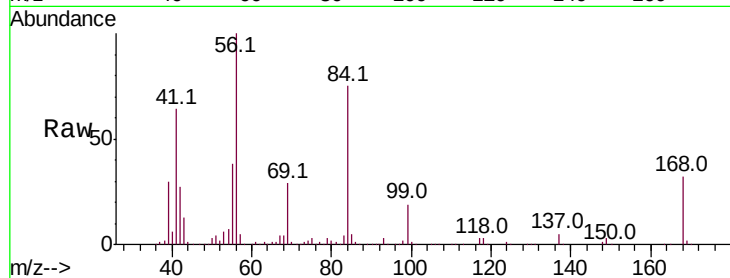
#31
Cyclohexane
Concen: 142.147 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.2	36.2
84	74.4	60.6	90.8

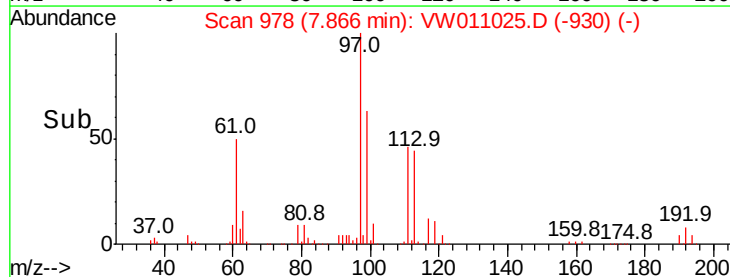
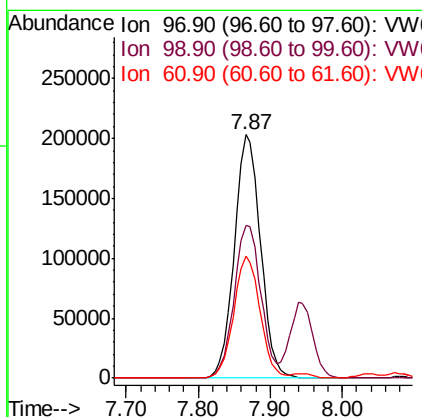
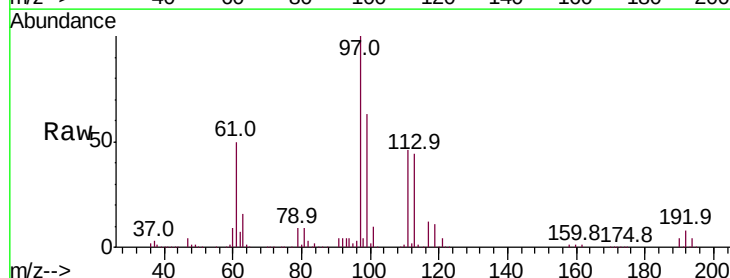
Manual Integrations
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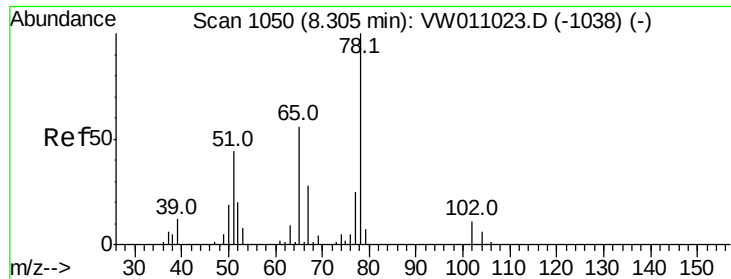
MMDadoda
6/28/2019 10:25:13 AM



#32
1,1,1-Trichloroethane
Concen: 133.578 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.1	76.7
61	50.6	41.4	62.2





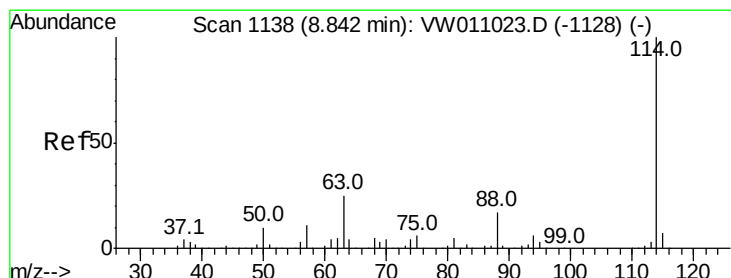
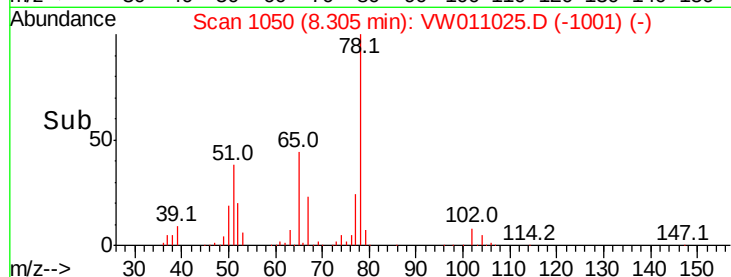
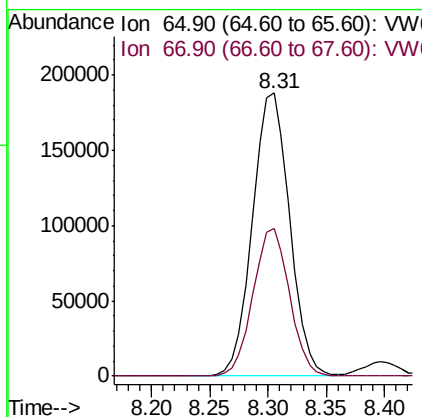
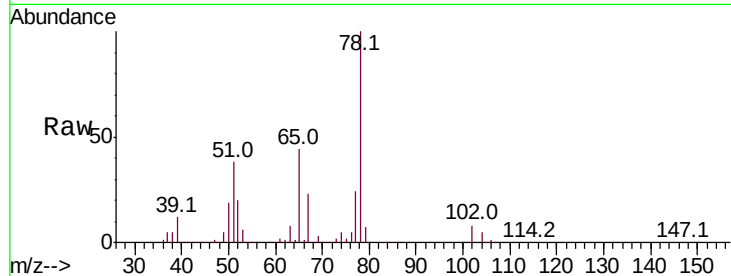
#33
 1,2-Dichloroethane-d4
 Concen: 149.950 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	102.4	

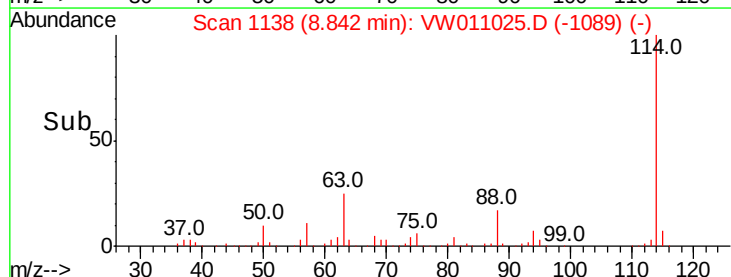
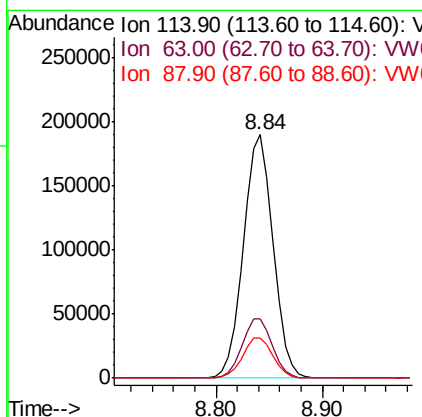
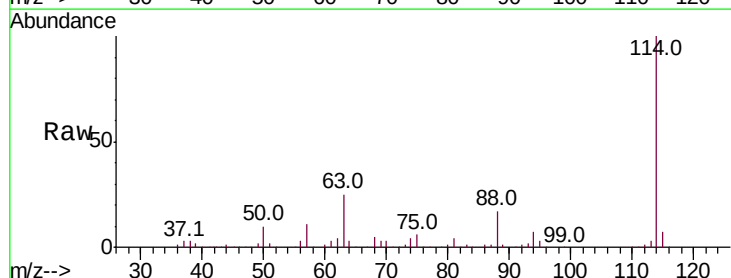
Manual Integrations
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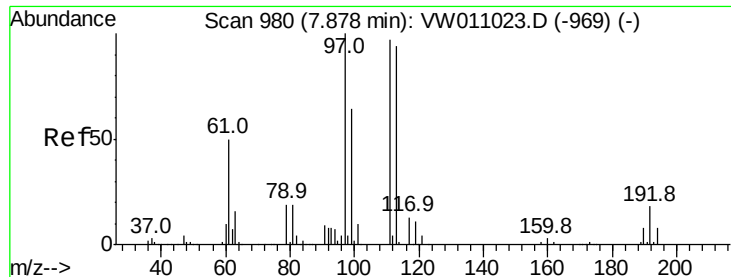
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 6/28/2019 10:25:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.5	0.0	50.6	
88	16.6	0.0	34.0	





#35

Dibromofluoromethane

Concen: 156.500 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

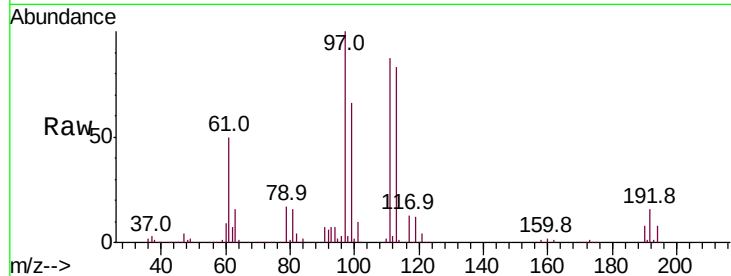
ClientSampleId :

VSTDIC150

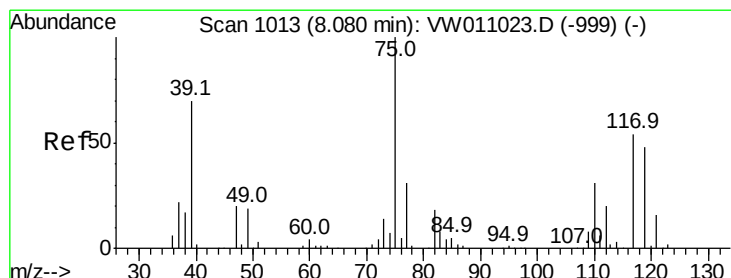
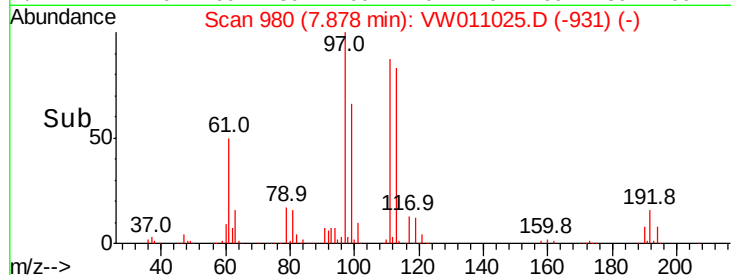
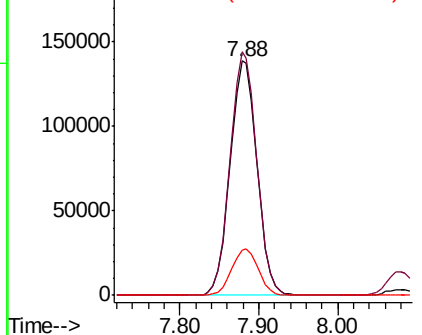
Tot Ion:	113	Resp:	328146
Ion Ratio	Lower	Upper	
113	100		
111	103.2	83.8	125.6
192	19.7	16.0	24.0

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: 151.355 ug/l

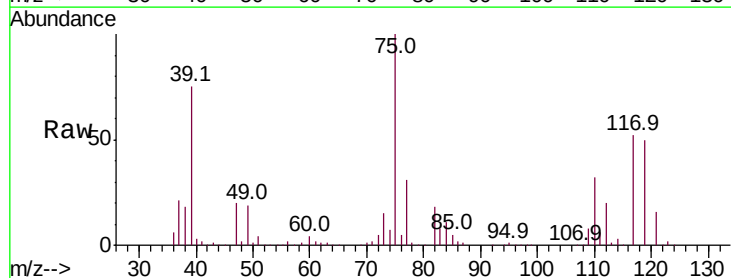
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

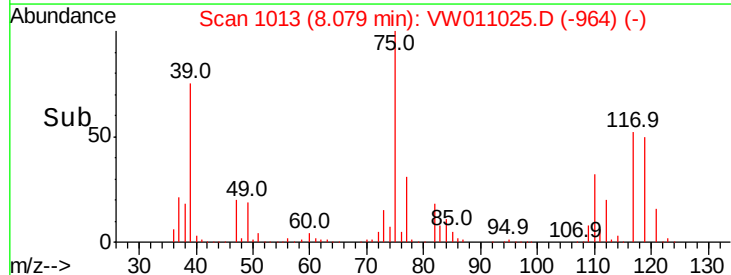
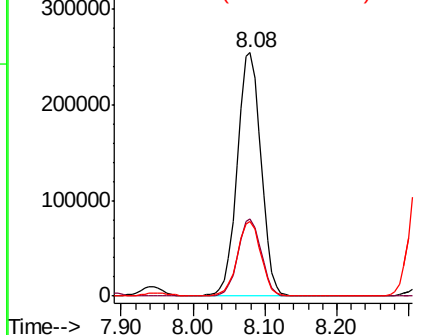
Lab File: VW011025.D

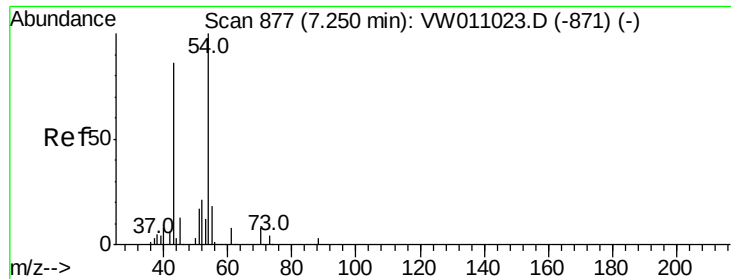
Acq: 27 Jun 2019 17:16

Tgt Ion:	75	Resp:	581360
Ion Ratio	Lower	Upper	
75	100		
110	31.1	15.5	46.5
77	30.6	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





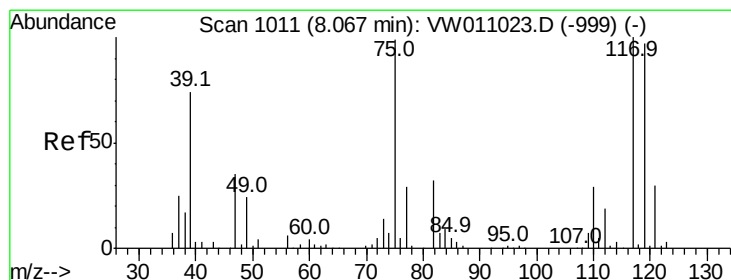
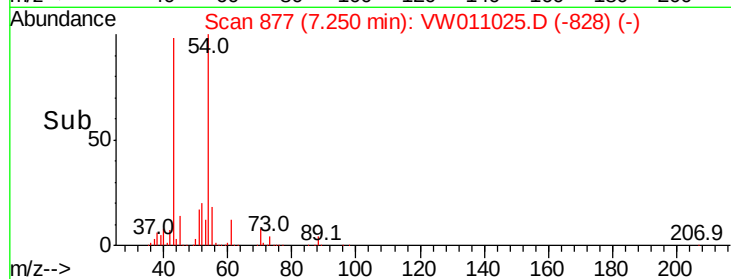
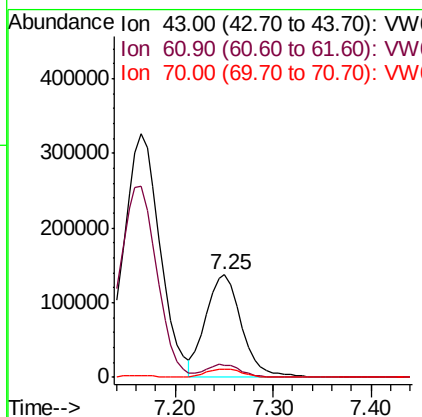
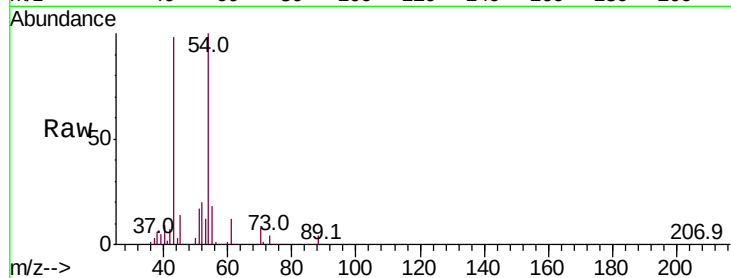
#37
Ethyl Acetate
Concen: 160.874 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.0	13.4
70	8.6	7.2	10.8

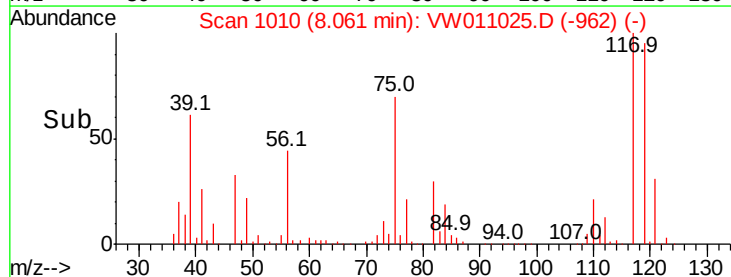
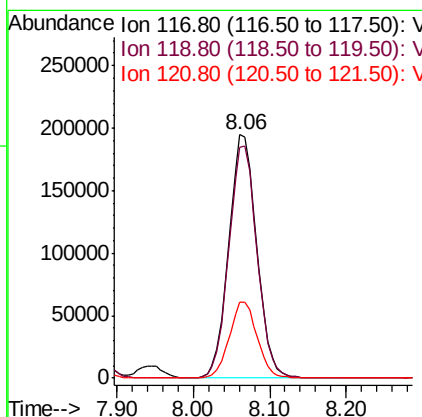
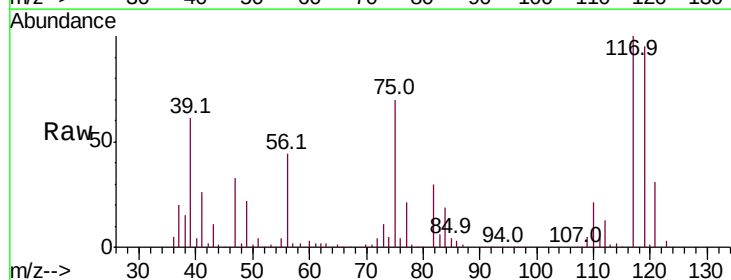
Manual Integrations
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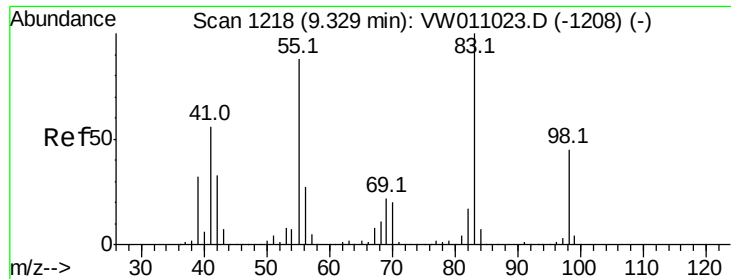
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#38
Carbon Tetrachloride
Concen: 150.087 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.7	116.5
121	31.2	23.9	35.9





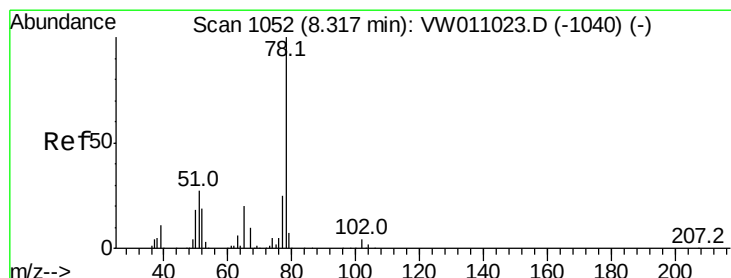
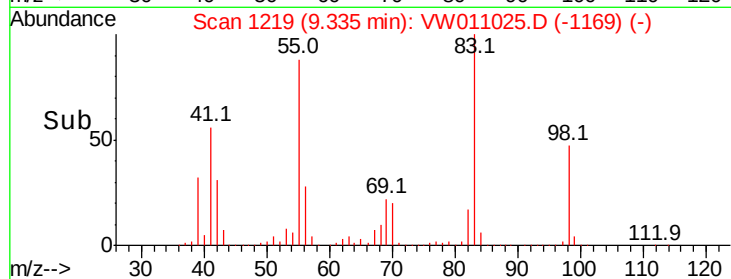
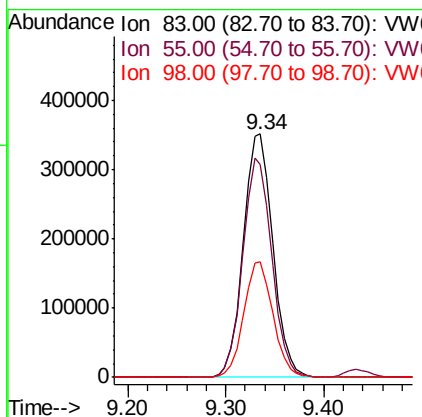
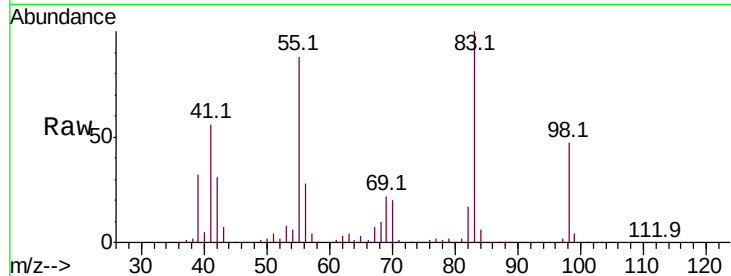
#39
Methylvlcyclohexane
Concen: 152.064 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	70.7	106.1
98	47.4	36.4	54.6

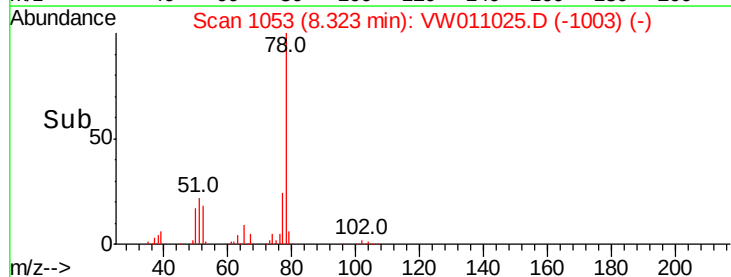
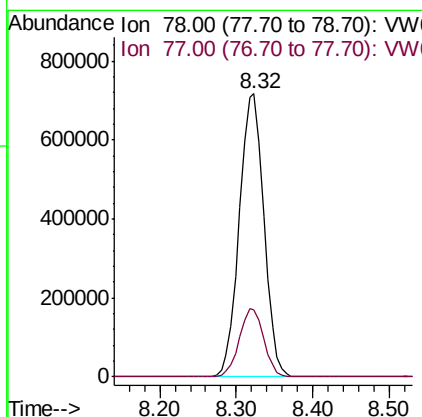
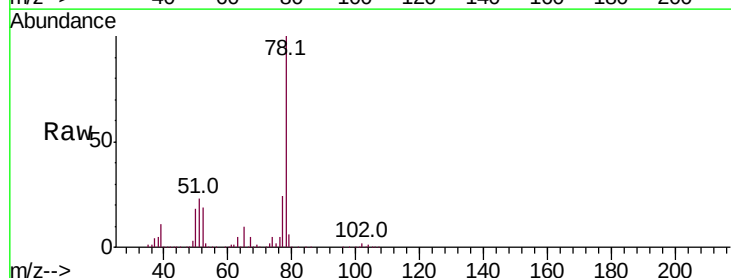
Manual Integrations
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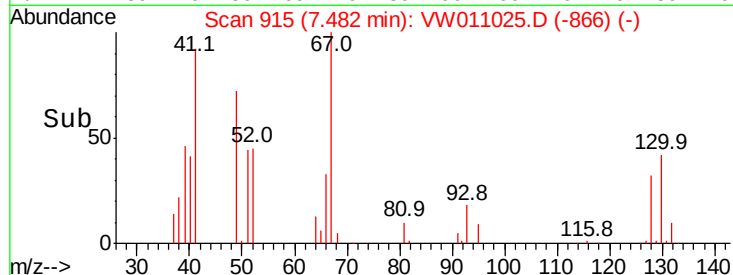
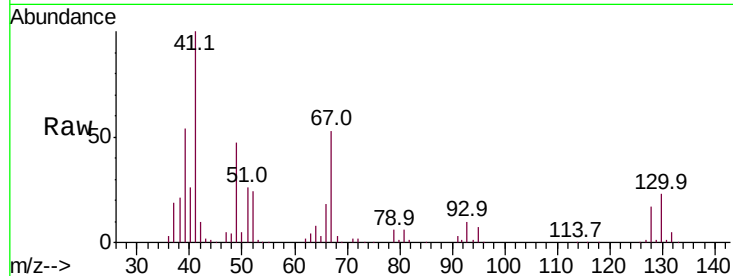
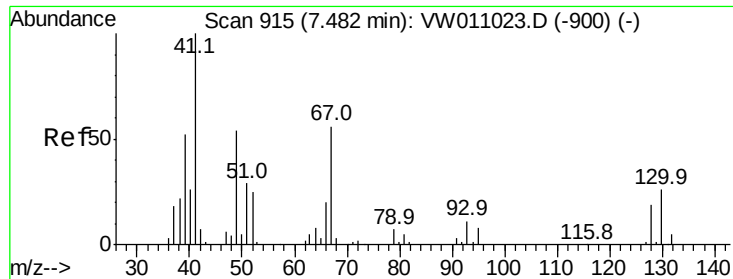
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#40
Benzene
Concen: 152.091 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.7	29.5





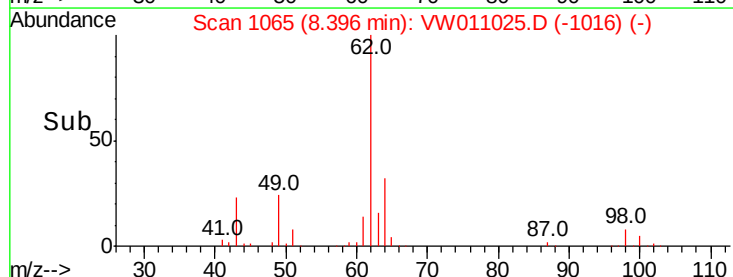
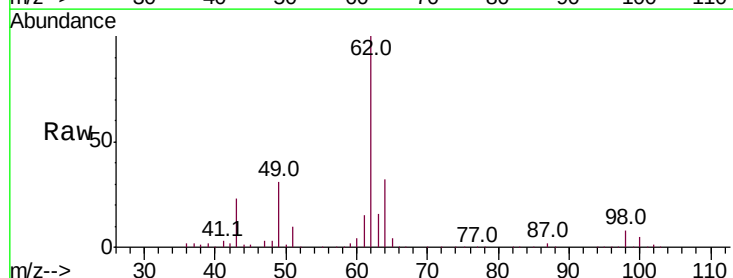
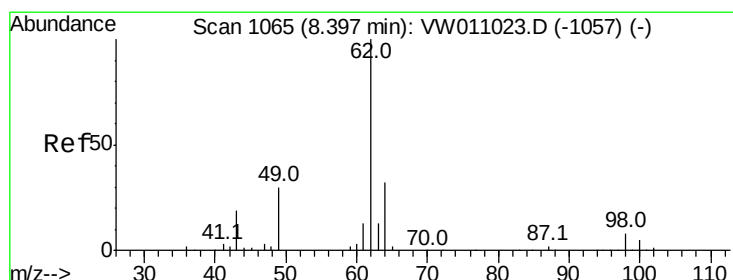
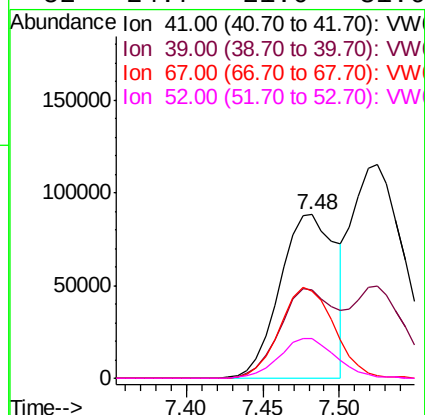
#41
Methacrylonitrile
Concen: 175.216 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tot Ion	41	Resp	225934
Ion Ratio	100	Lower	Upper
41	100		
39	53.3	42.1	63.1
67	53.9	44.2	66.2
52	24.7	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

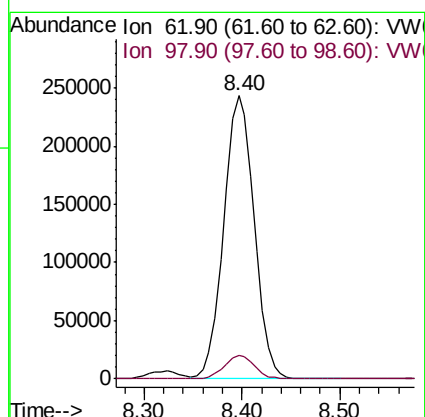
Manual Integrations
APPROVED

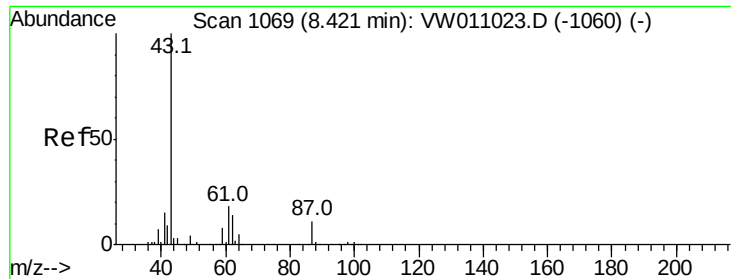
MMDadoda
6/28/2019 10:25:13 AM



#42
1,2-Dichloroethane
Concen: 156.667 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	62	Resp	523965
Ion Ratio	100	Lower	Upper
62	100		
98	8.1	0.0	16.8





#43

Isopropyl Acetate

Concen: 165.168 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

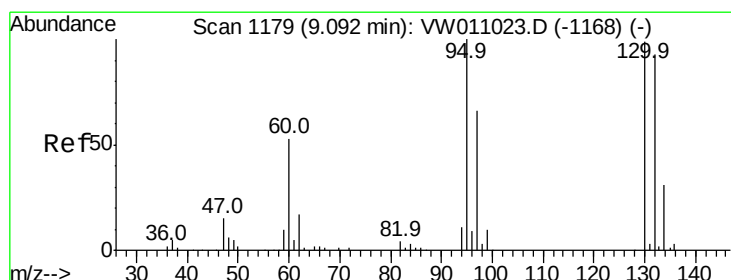
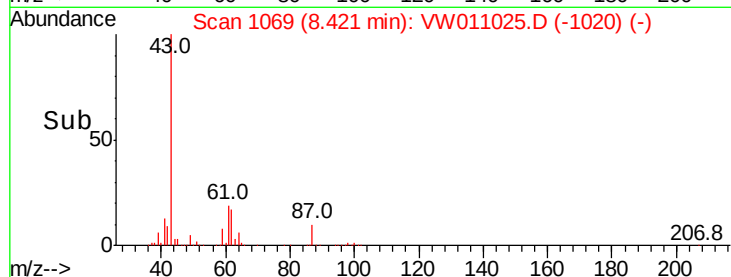
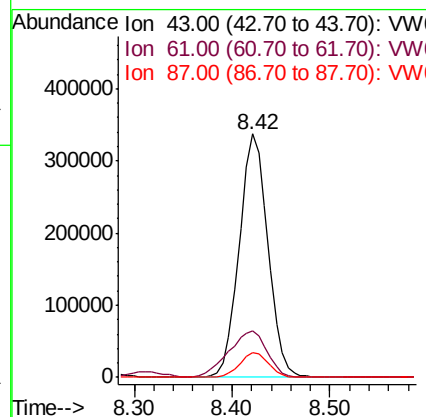
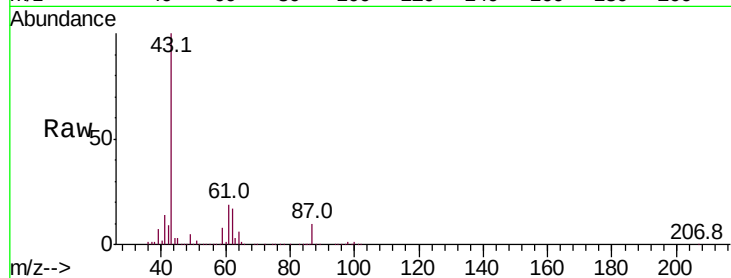
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	684244
Ion	Ratio	Lower	Upper
43	100		
61	25.7	21.0	31.6
87	10.2	8.2	12.4

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#44

Trichloroethene

Concen: 149.960 ug/l

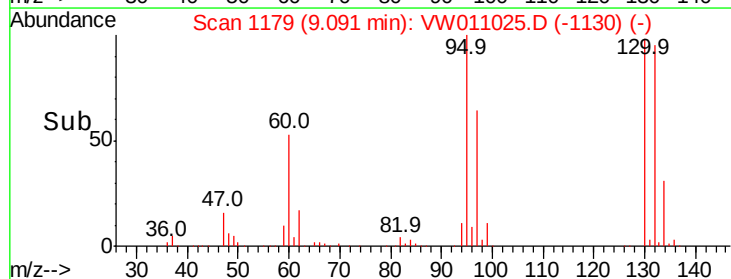
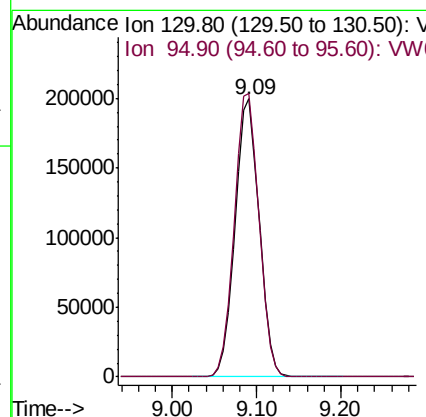
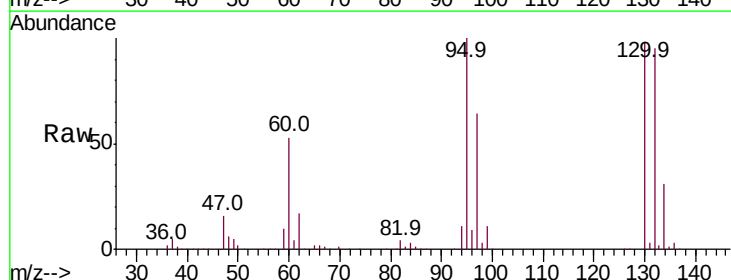
RT: 9.09 min Scan# 1179

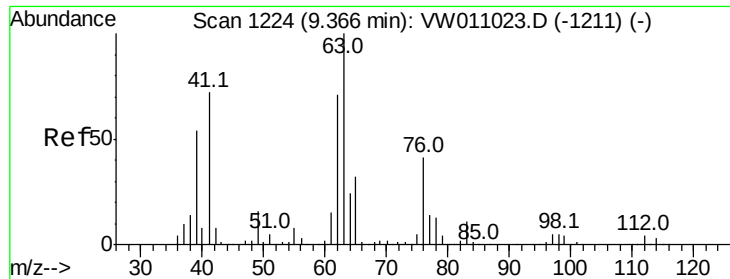
Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Tgt Ion:	130	Resp:	386931
Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	202.0





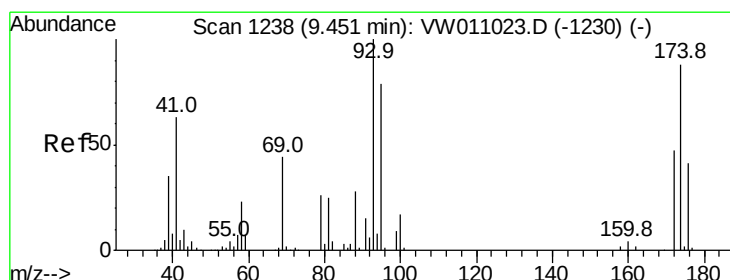
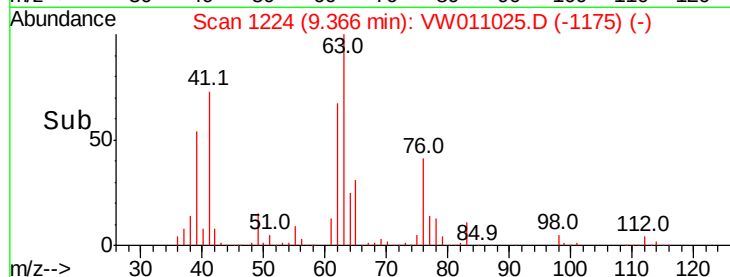
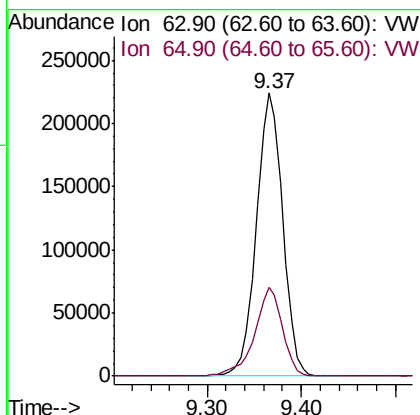
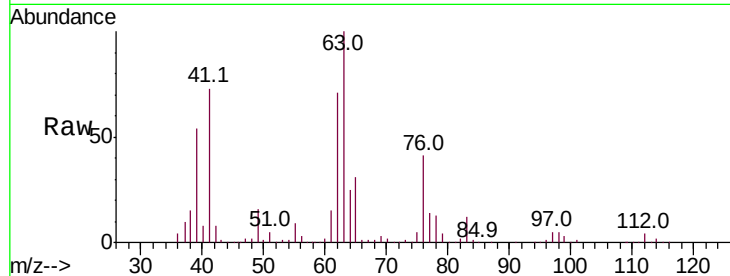
#45
 1,2-Dichloropropane
 Concen: 158.425 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.6	38.4

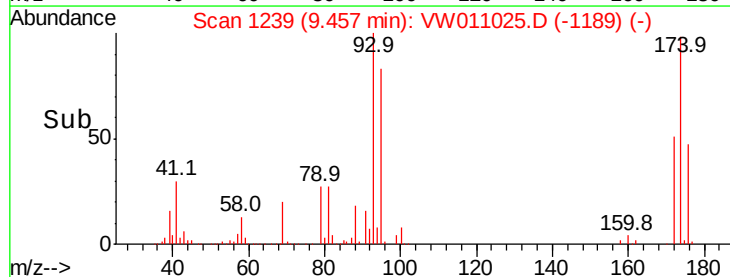
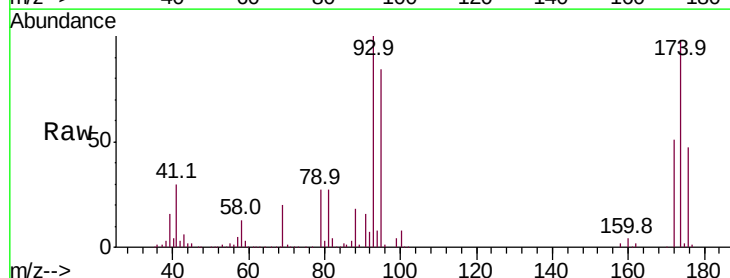
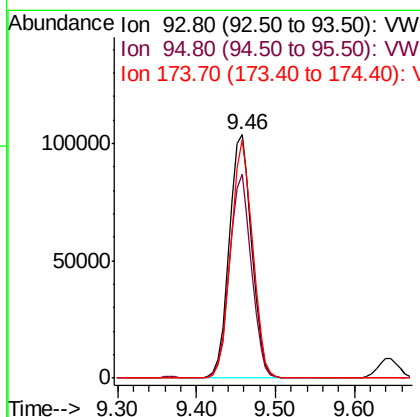
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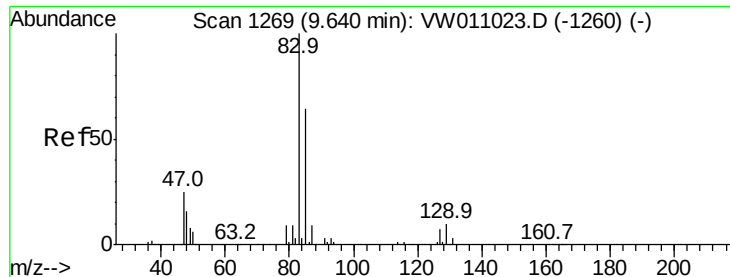
MMDadoda
 6/28/2019 10:25:13 AM



#46
 Dibromomethane
 Concen: 158.415 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

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





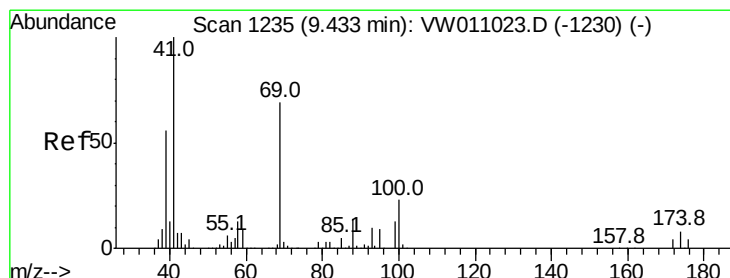
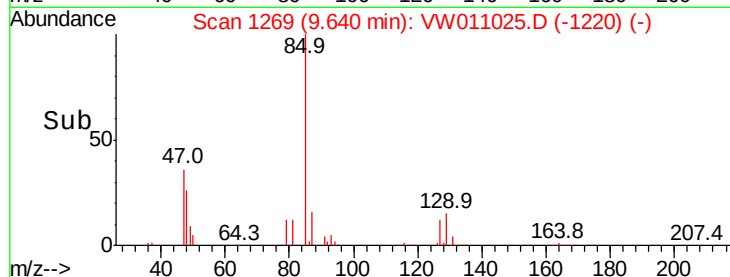
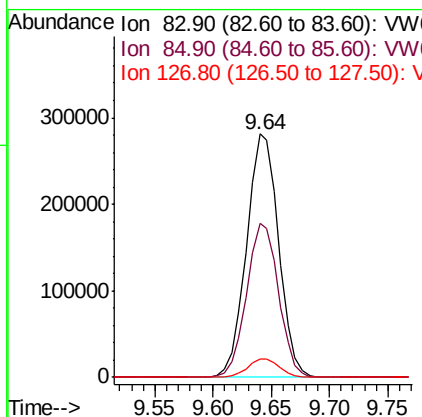
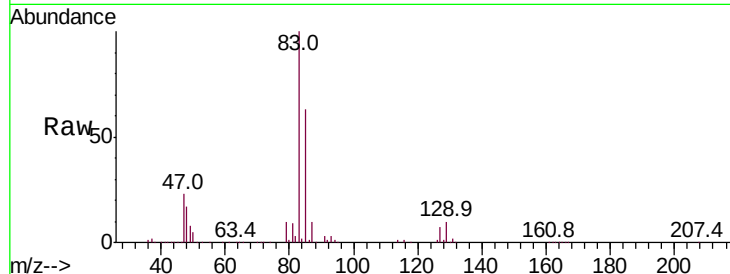
#47
Bromodichloromethane
Concen: 162.056 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.3	51.0	76.4	
127	7.4	5.8	8.8	

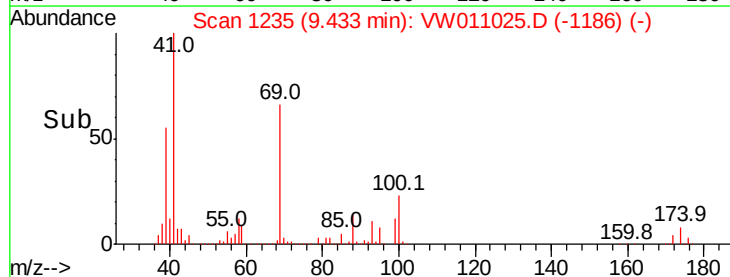
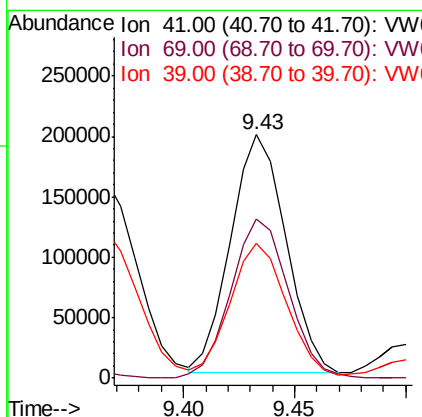
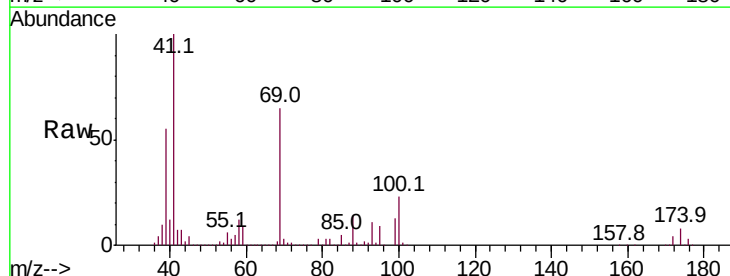
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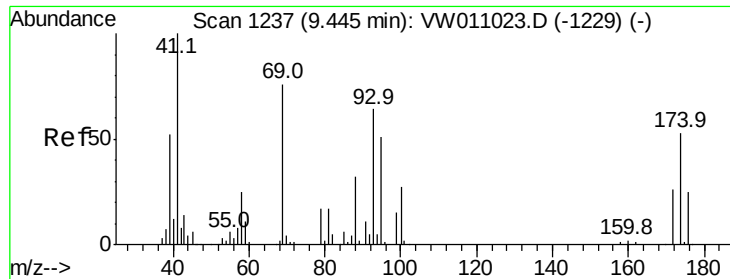
MMDadoda
6/28/2019 10:25:13 AM



#48
Methyl methacrylate
Concen: 169.486 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	70.1	56.7	85.1	
39	55.4	45.0	67.6	





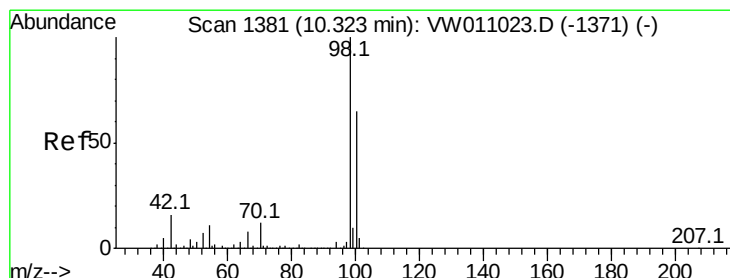
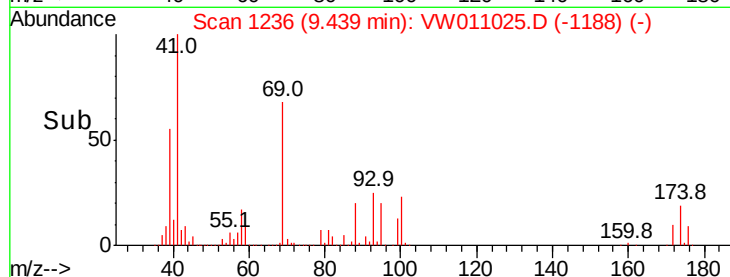
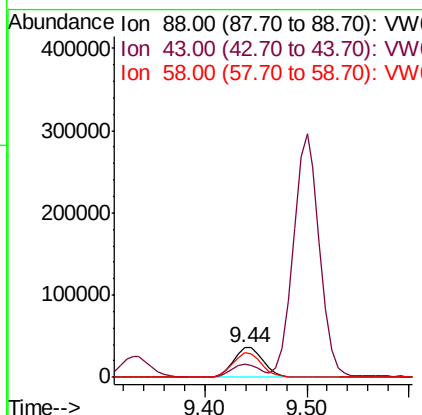
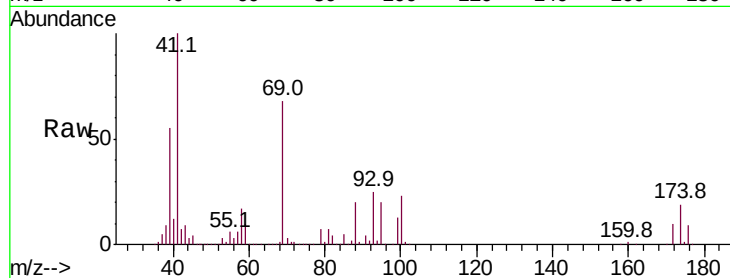
#49
1,4-Dioxane
Concen: 3477.016 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.1	34.4	51.6
58	81.1	65.2	97.8

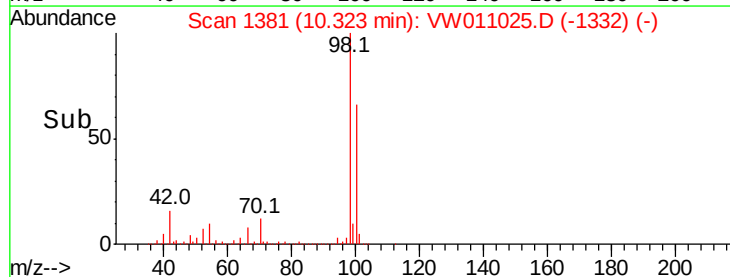
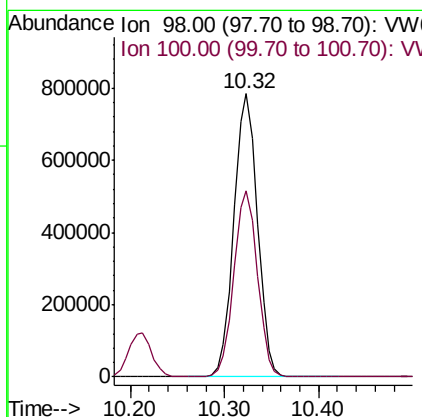
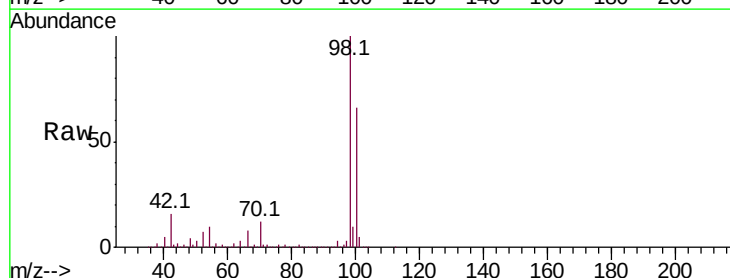
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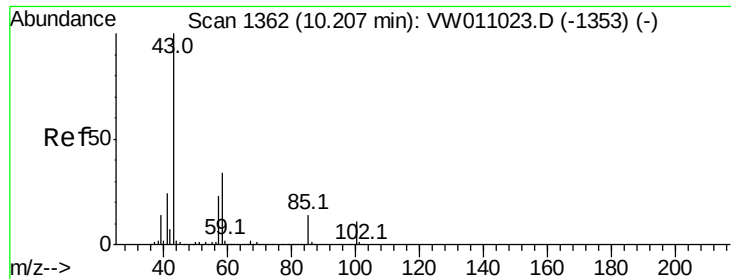
MMDadoda
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#50
Toluene-d8
Concen: 148.084 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 840.429 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1792296

Ion Ratio Lower Upper

43 100

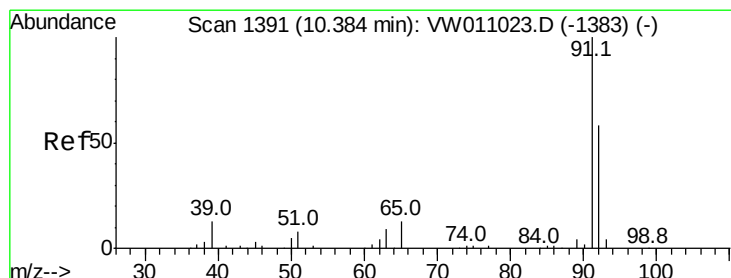
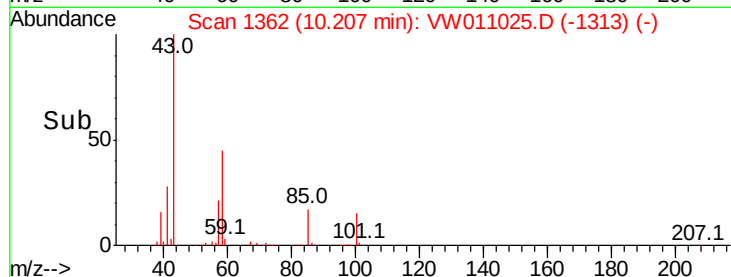
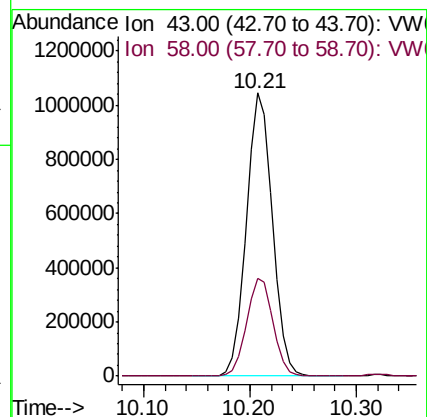
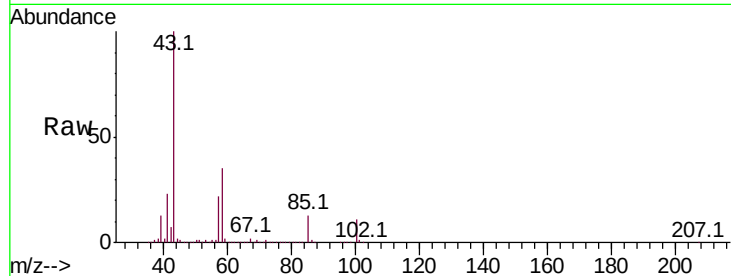
58 35.0 27.8 41.6

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#52

Toluene

Concen: 154.514 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011025.D

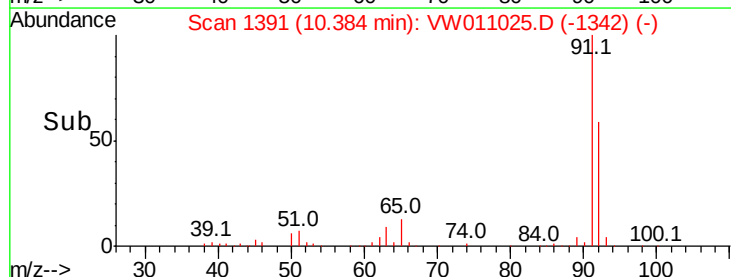
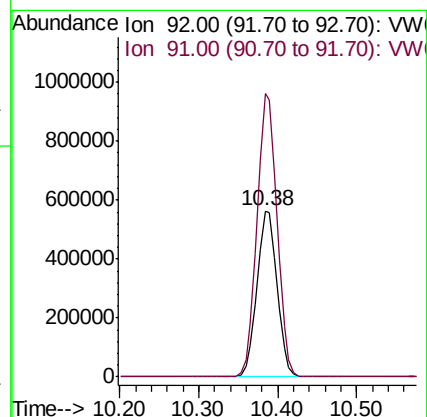
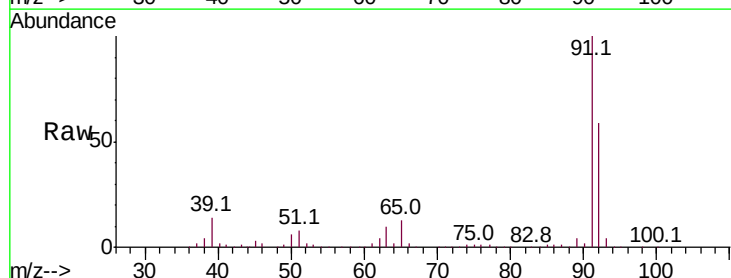
Acq: 27 Jun 2019 17:16

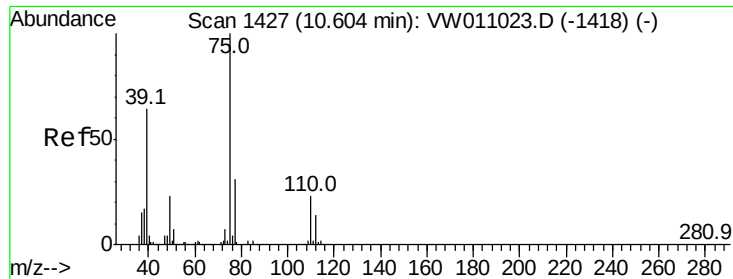
Tgt Ion: 92 Resp: 996786

Ion Ratio Lower Upper

92 100

91 170.9 136.9 205.3





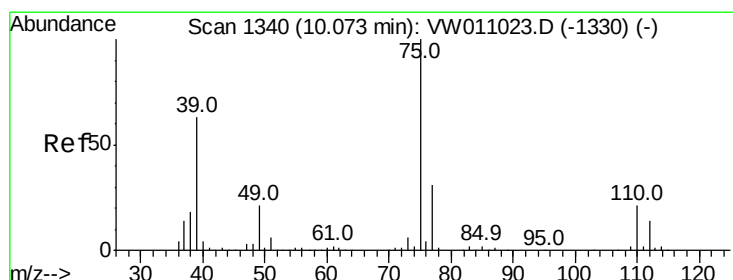
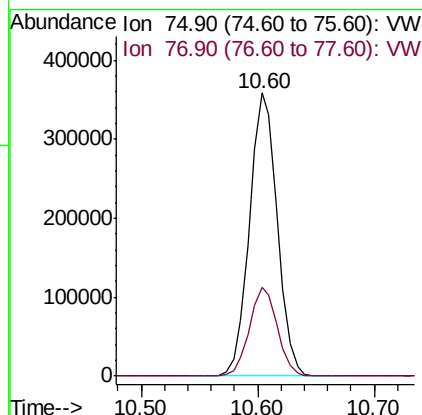
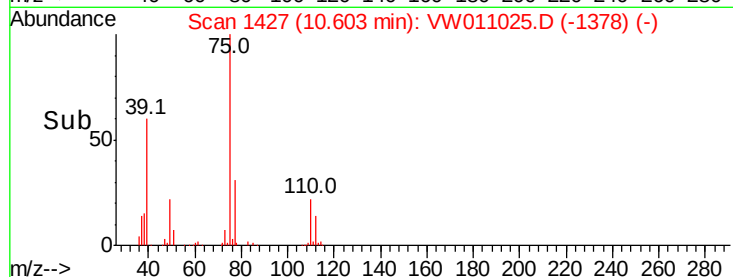
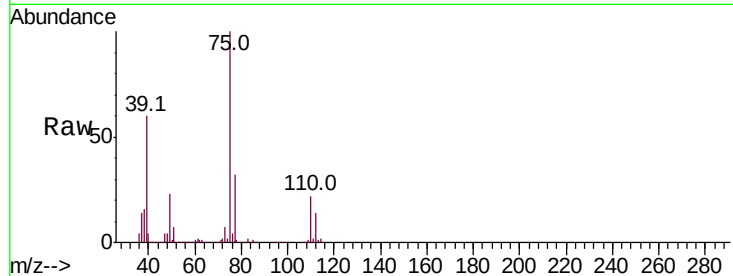
#53
t-1,3-Dichloropropene
Concen: 168.625 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	37.0

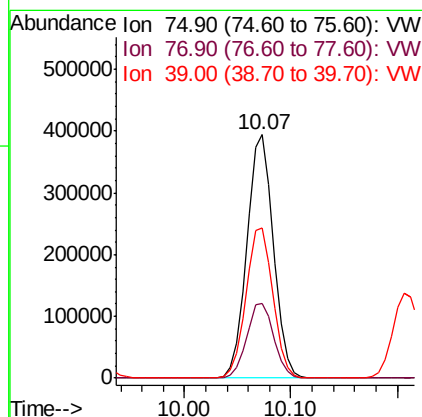
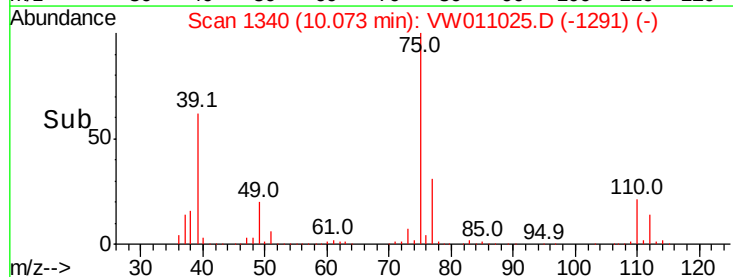
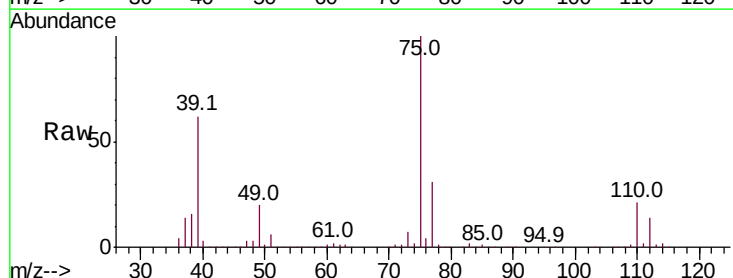
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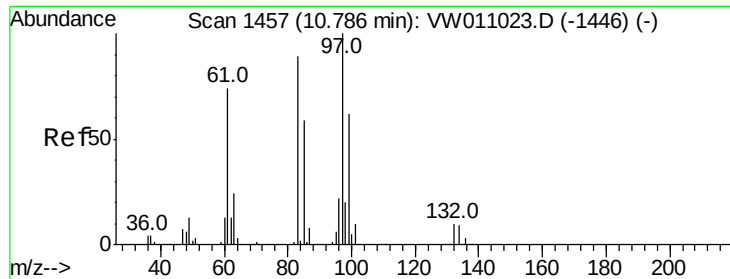
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 165.528 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.8	37.2
39	61.8	50.0	75.0





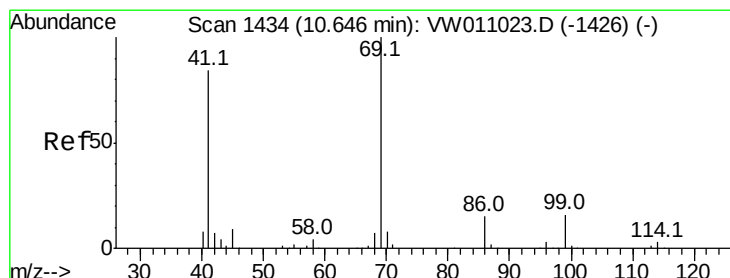
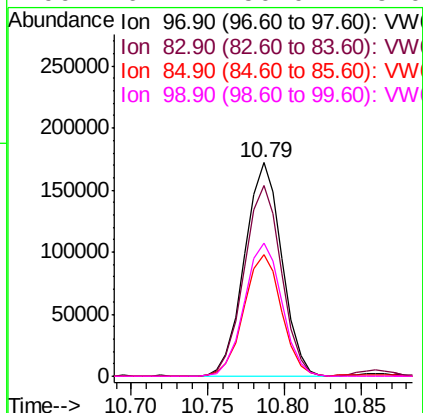
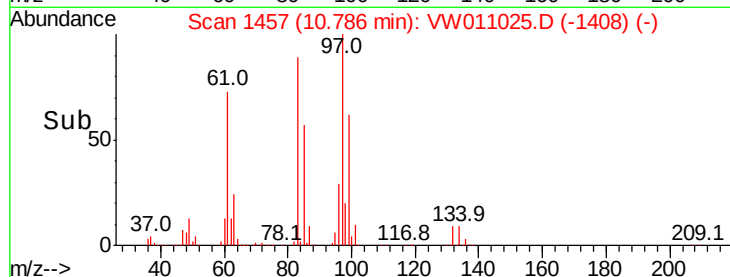
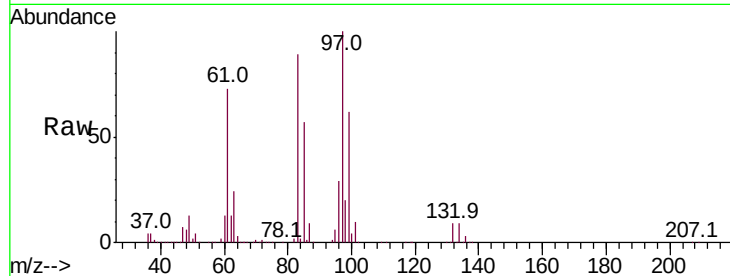
#55
 1,1,2-Trichloroethane
 Concen: 156.546 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	292048
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.9	106.3
85	57.0	47.2	70.8
99	62.2	50.0	75.0

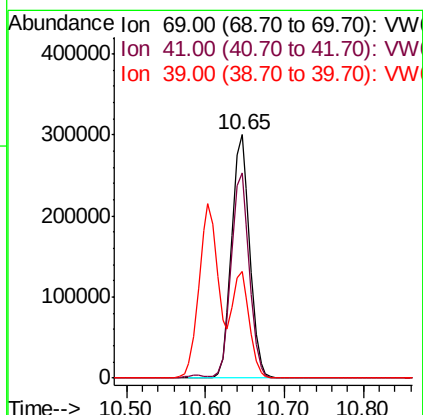
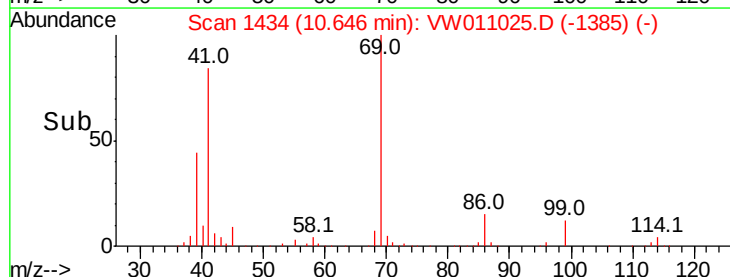
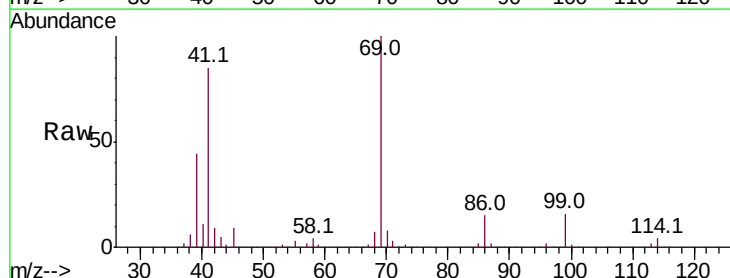
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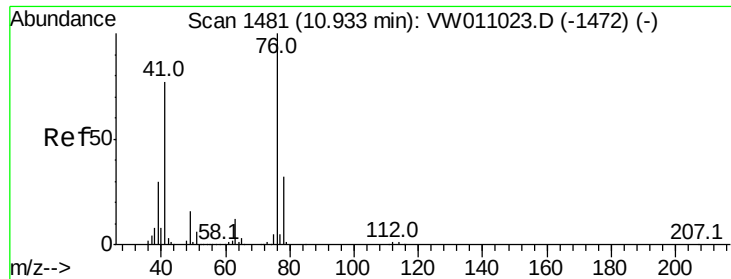
MMDadoda
 6/28/2019 10:25:13 AM



#56
 Ethyl methacrylate
 Concen: 167.654 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Tgt Ion:	69	Resp:	479112
Ion	Ratio	Lower	Upper
69	100		
41	84.3	67.9	101.9
39	40.4	33.2	49.8





#57

1,3-Dichloropropane

Concen: 160.104 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 562574

Ion Ratio Lower Upper

76 100

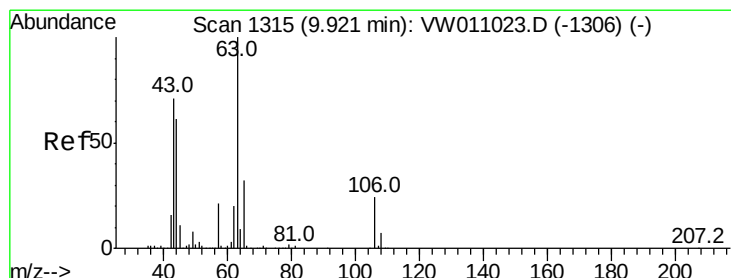
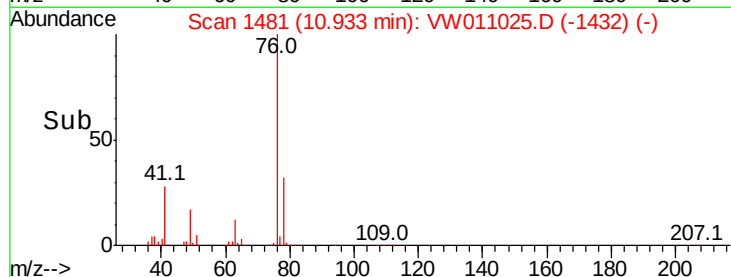
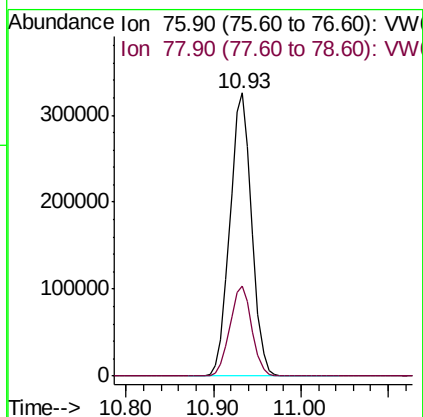
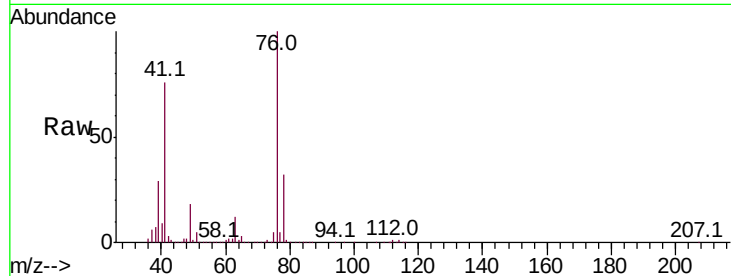
78 32.0 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 766.946 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011025.D

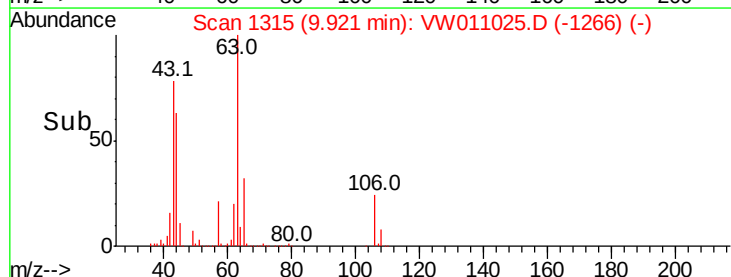
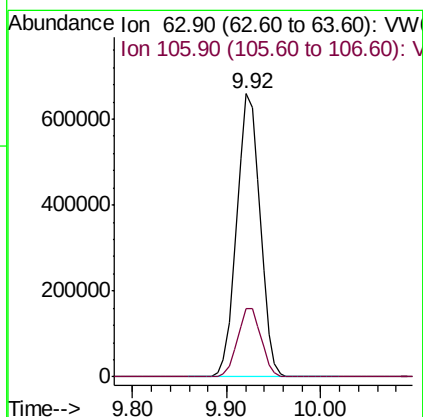
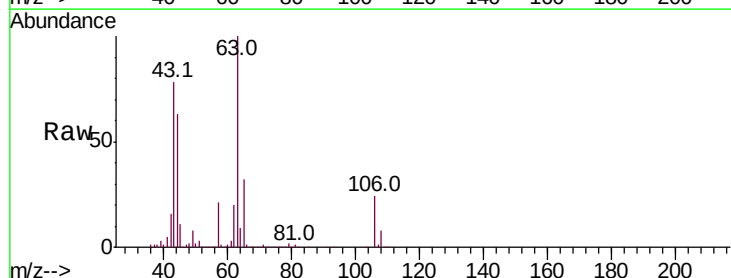
Acq: 27 Jun 2019 17:16

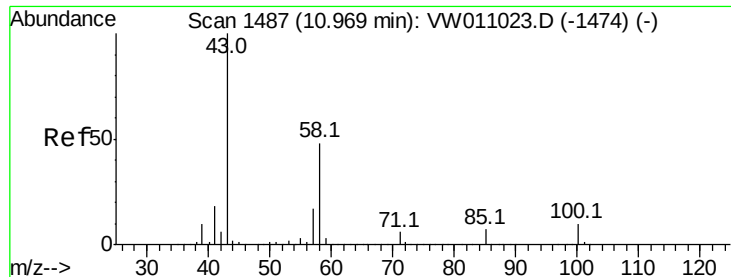
Tgt Ion: 63 Resp: 1141663

Ion Ratio Lower Upper

63 100

106 24.5 19.4 29.0





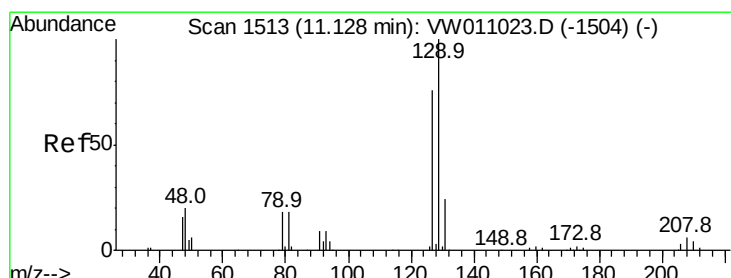
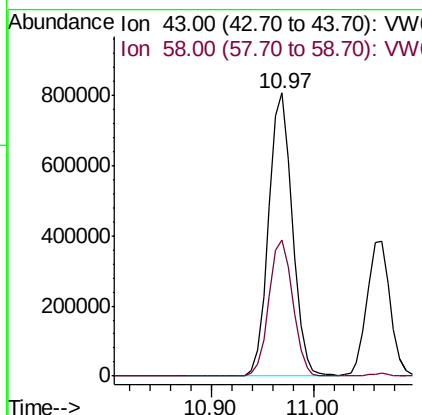
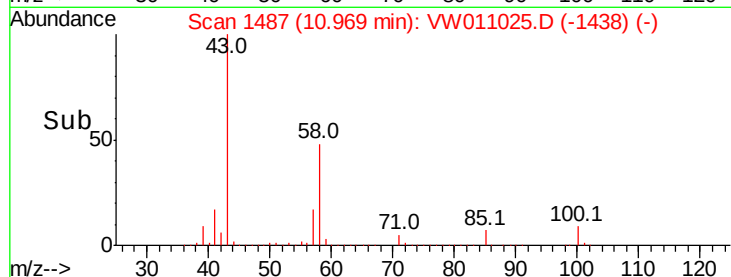
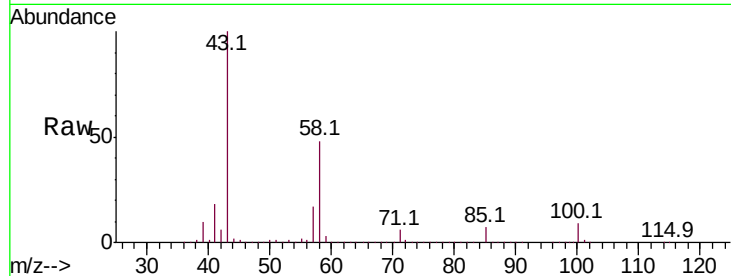
#59
2-Hexanone
Concen: 844.426 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1294524
Ion Ratio Lower Upper
43 100
58 48.7 23.8 71.5

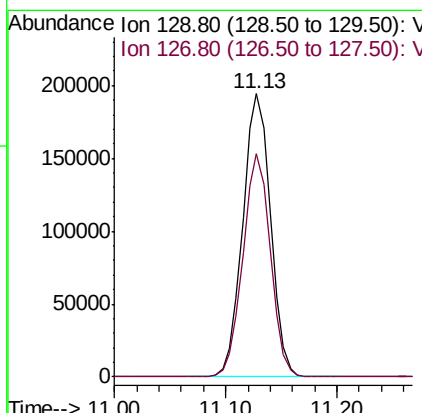
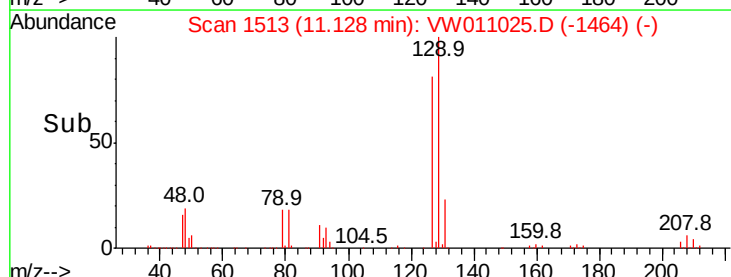
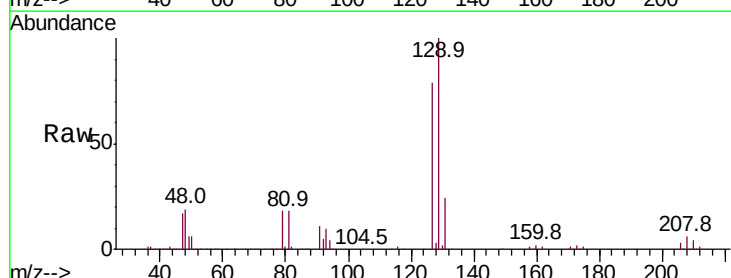
Manual Integrations
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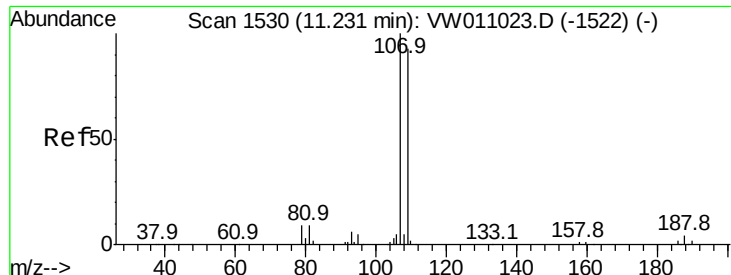
MMDadoda
6/28/2019 10:25:13 AM



#60
Dibromochloromethane
Concen: 164.869 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion: 129 Resp: 336870
Ion Ratio Lower Upper
129 100
127 77.9 39.4 118.1





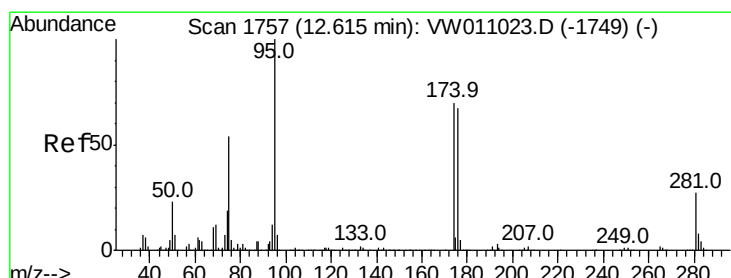
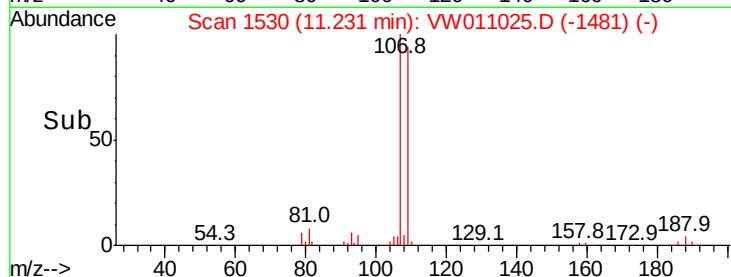
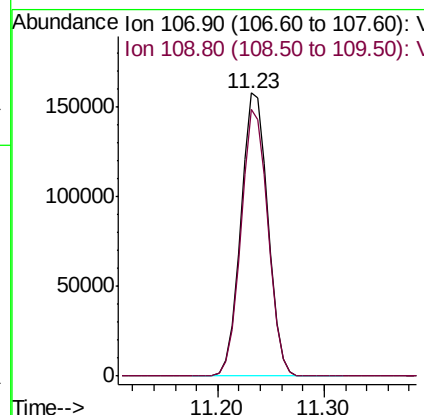
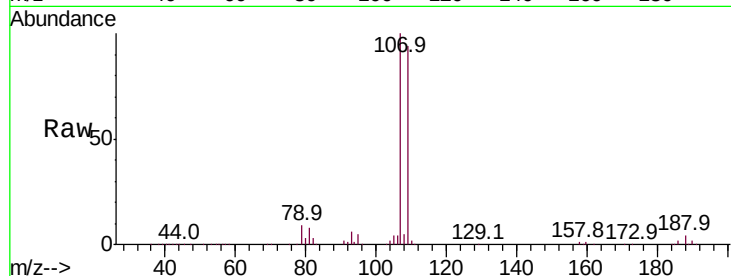
#61
 1,2-Dibromoethane
 Concen: 160.055 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	281871		
109	93.9	75.1	112.7	

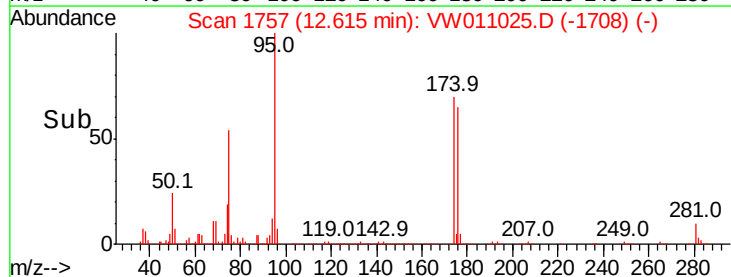
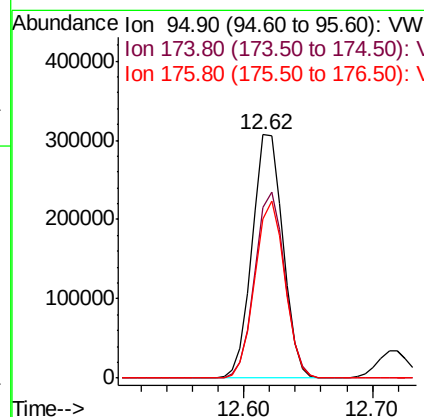
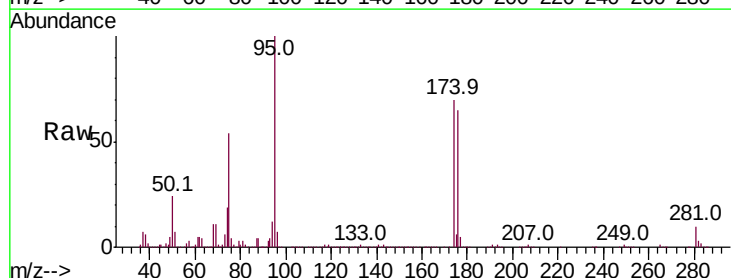
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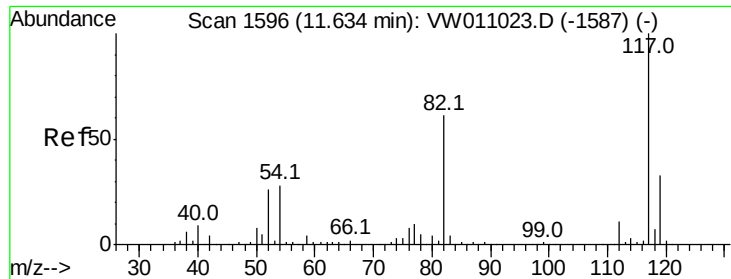
MMDadoda
 6/28/2019 10:25:13 AM



#62
 4-Bromofluorobenzene
 Concen: 150.773 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	504397		
174	74.5	0.0	149.2	
176	71.2	0.0	143.6	





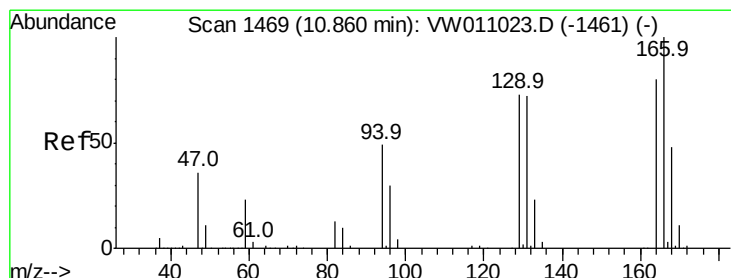
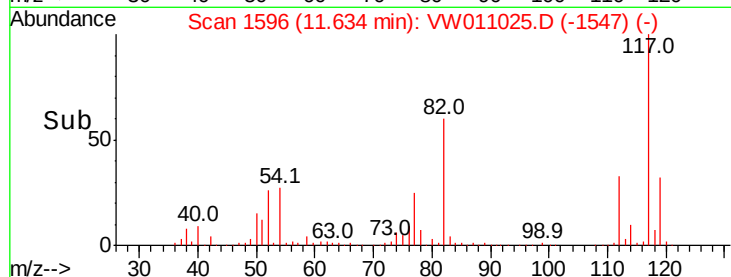
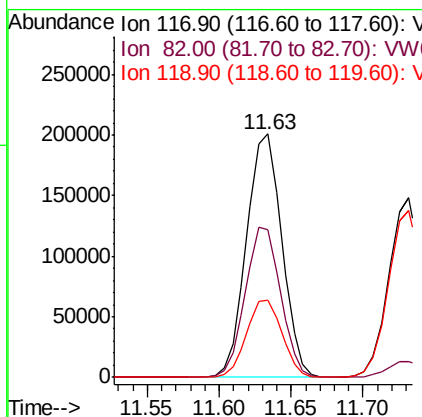
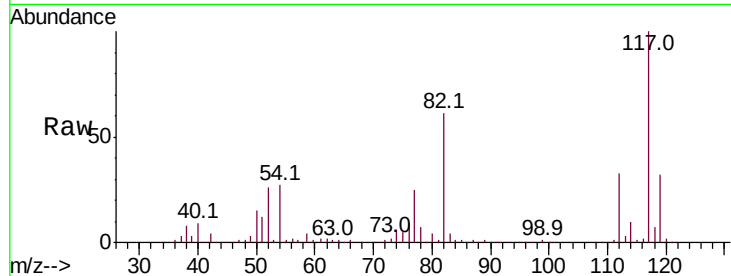
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	341290		
82	60.5	48.6	73.0	
119	32.0	26.1	39.1	

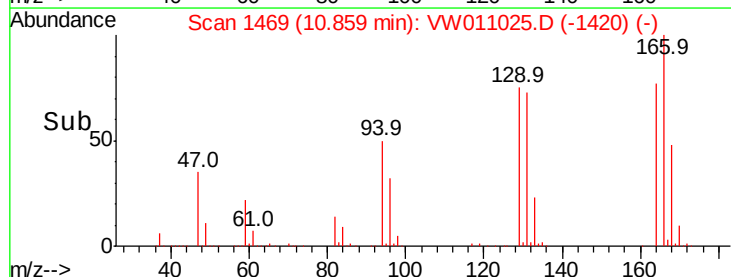
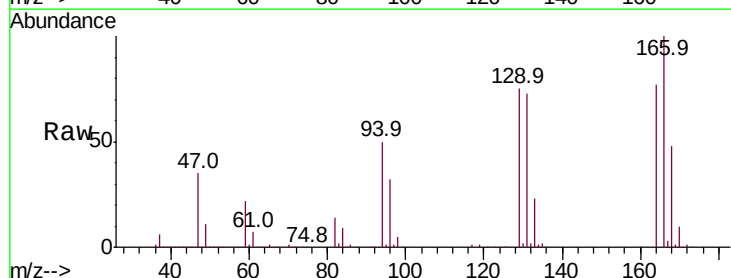
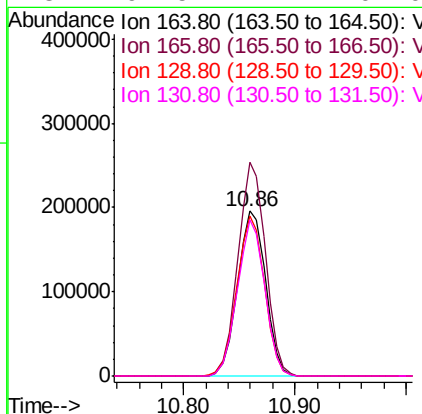
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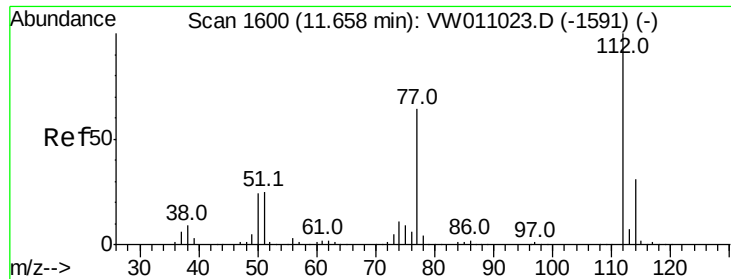
MMDadoda
6/28/2019 10:25:13 AM



#64
Tetrachloroethene
Concen: 149.799 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	341293		
166	129.6	99.8	149.6	
129	97.3	73.0	109.4	
131	94.5	71.4	107.0	





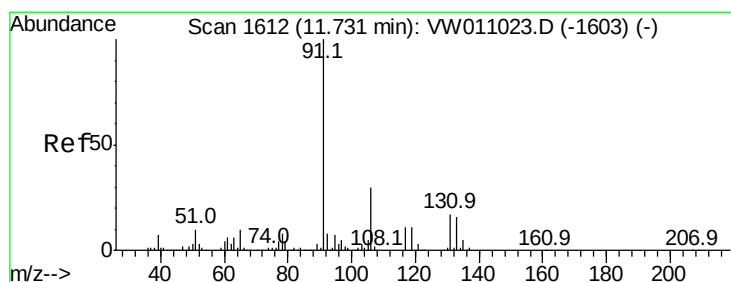
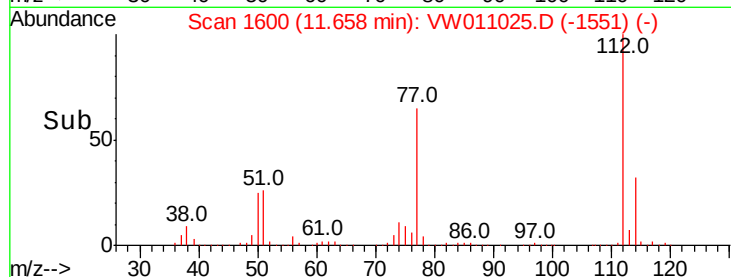
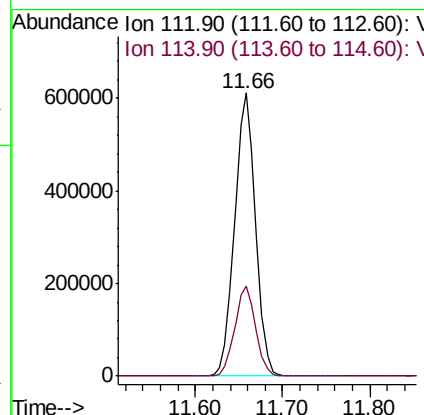
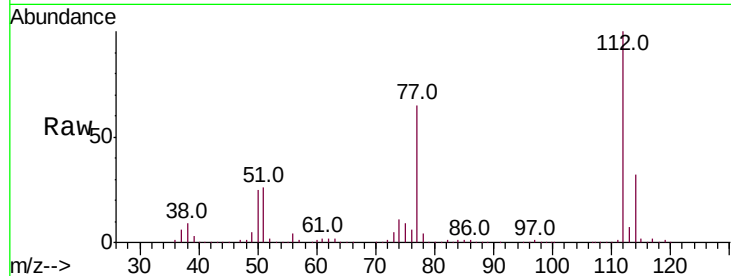
#65
Chlorobenzene
Concen: 149.932 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1013859
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

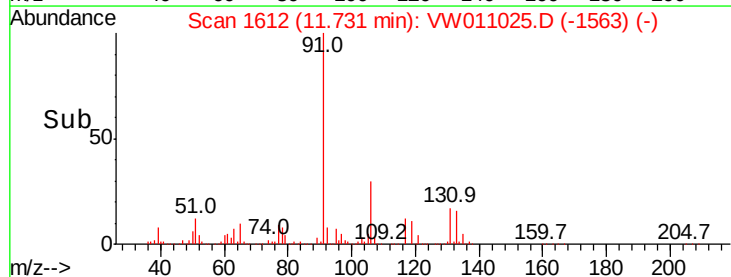
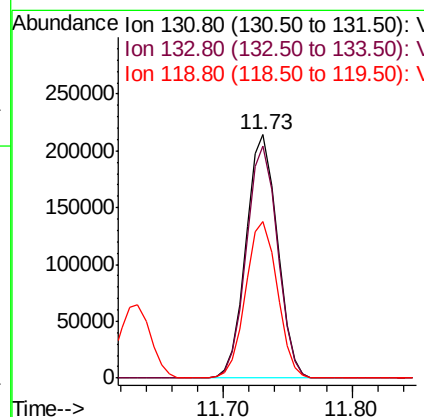
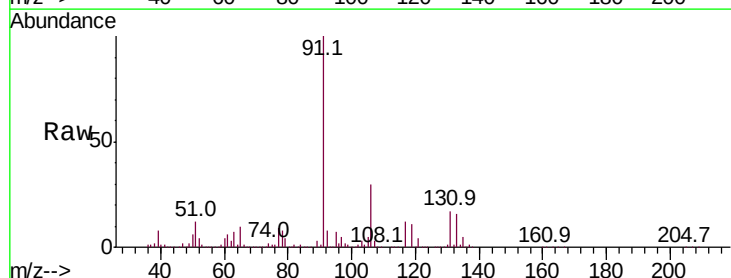
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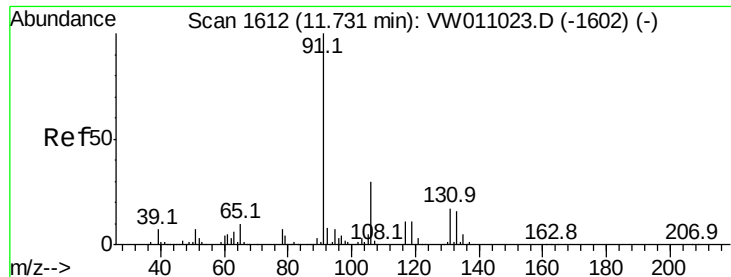
MMDadoda
6/28/2019 10:25:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 154.602 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion:131 Resp: 359789
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 65.0 33.1 99.2





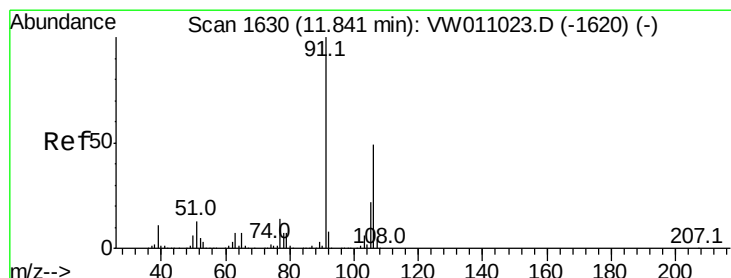
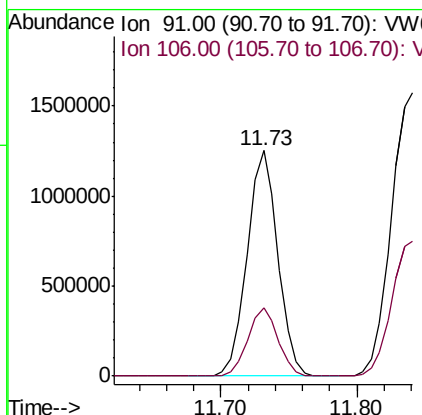
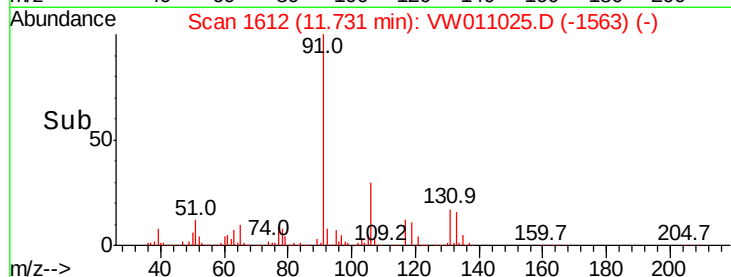
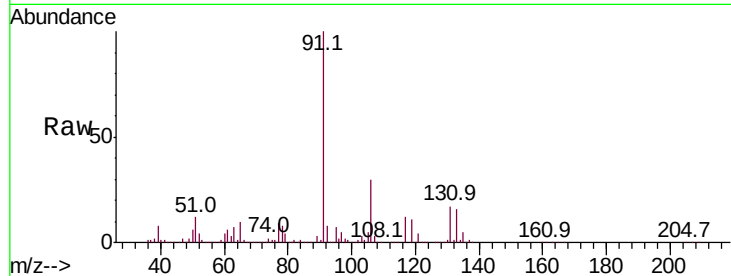
#67
Ethyl Benzene
Concen: 151.896 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1974239
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6

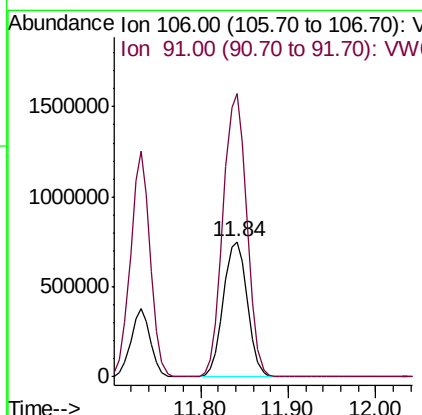
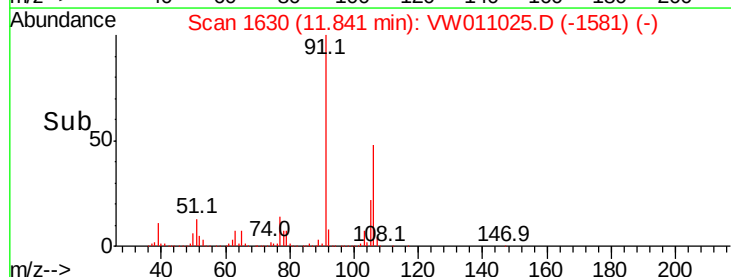
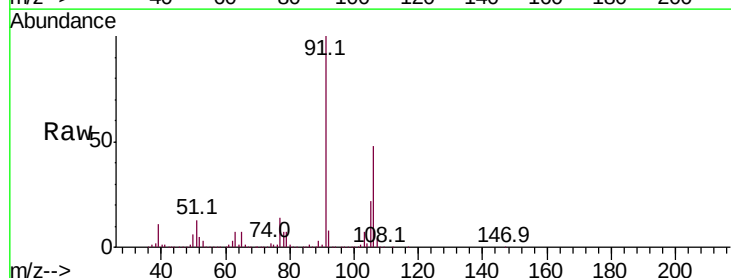
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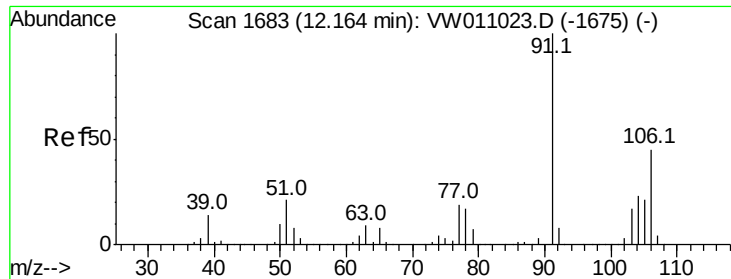
MMDadoda
6/28/2019 10:25:13 AM



#68
m/p-Xylenes
Concen: 305.484 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion: 106 Resp: 1425867
Ion Ratio Lower Upper
106 100
91 208.4 167.5 251.3





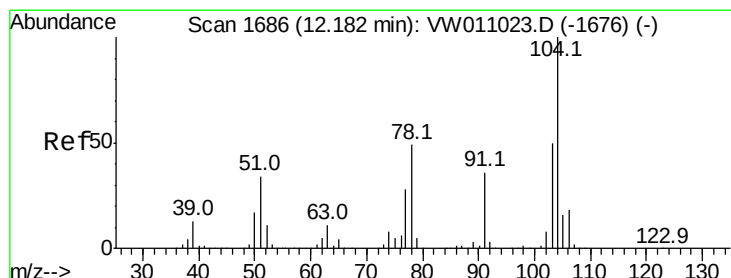
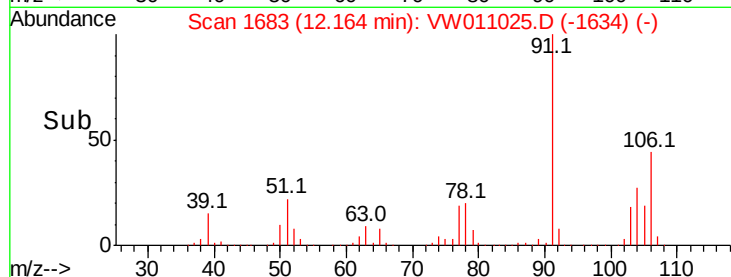
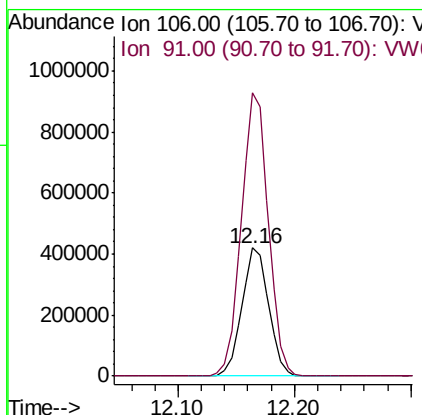
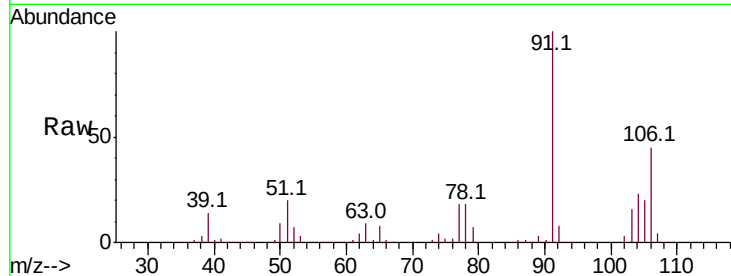
#69
o-Xylene
Concen: 153.164 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 676090
Ion Ratio Lower Upper
106 100
91 221.9 110.8 332.3

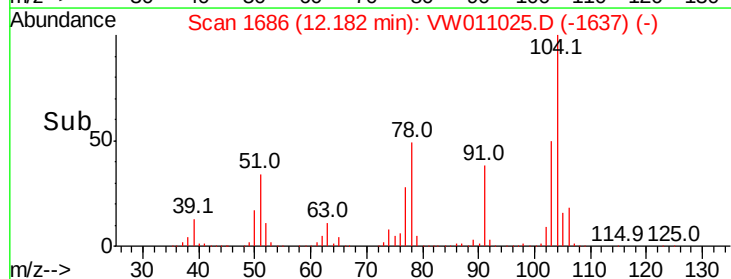
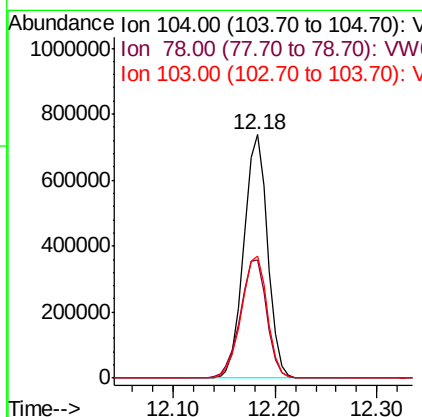
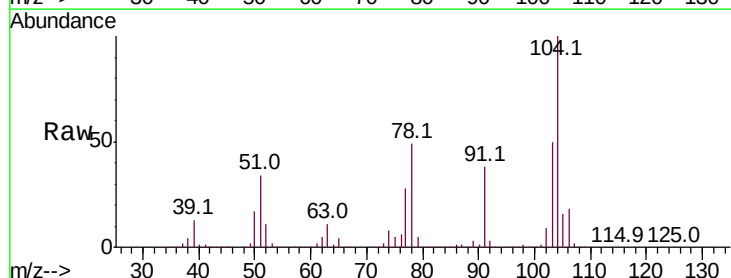
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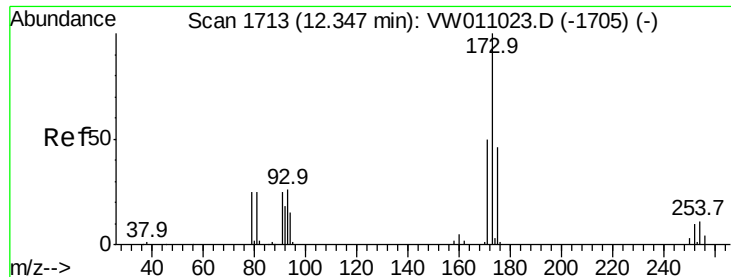
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#70
Styrene
Concen: 155.335 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion:104 Resp: 1191880
Ion Ratio Lower Upper
104 100
78 54.2 43.7 65.5
103 54.8 43.9 65.9





#71

Bromoform

Concen: 161.262 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 193377

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.2

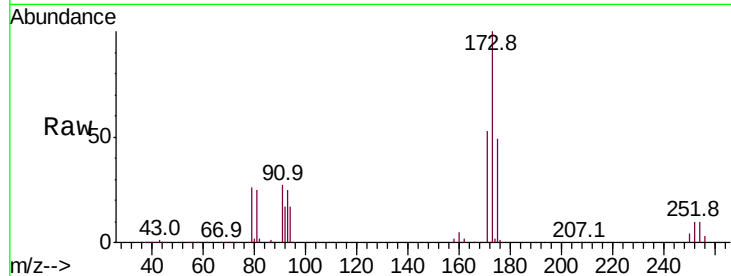
254 0.1 0.0 0.0#

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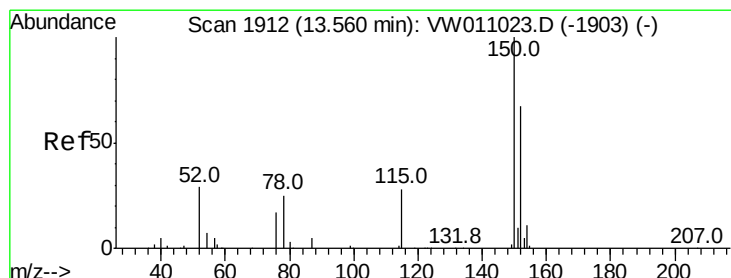
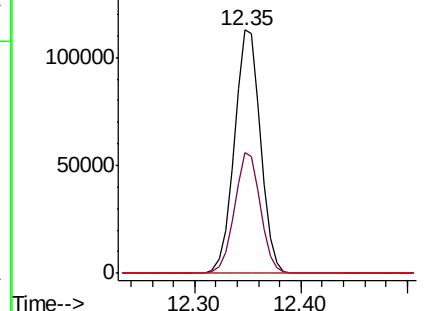
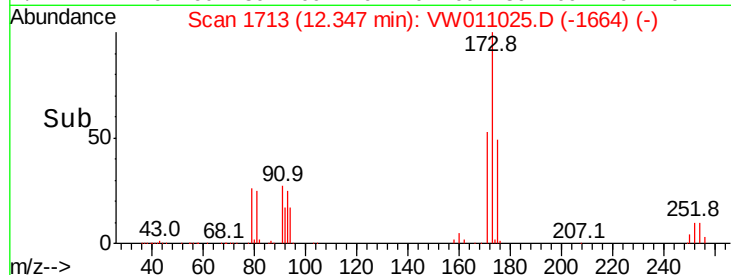
6/28/2019 10:25:13 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

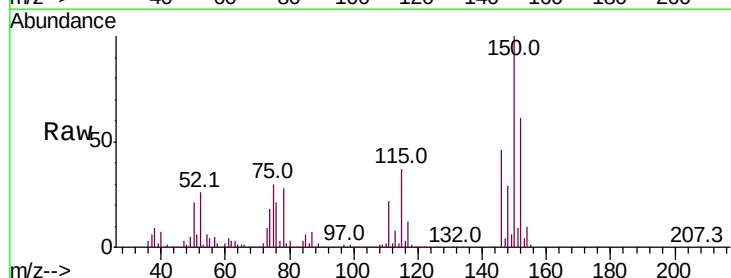
Tgt Ion:152 Resp: 165371

Ion Ratio Lower Upper

152 100

115 61.2 30.7 92.1

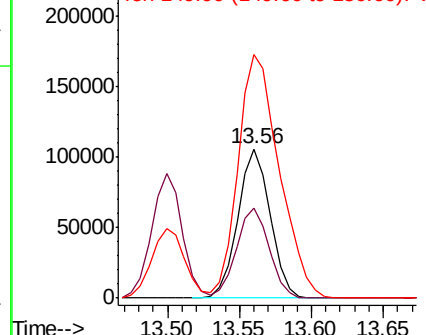
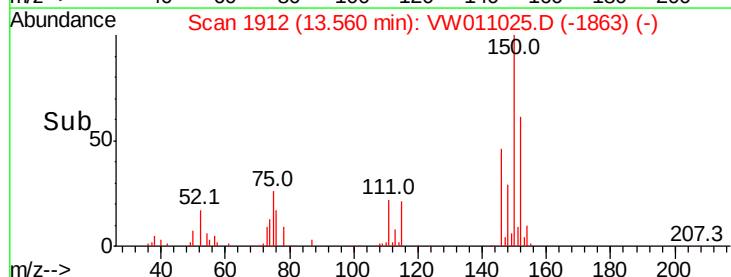
150 207.5 0.0 341.8

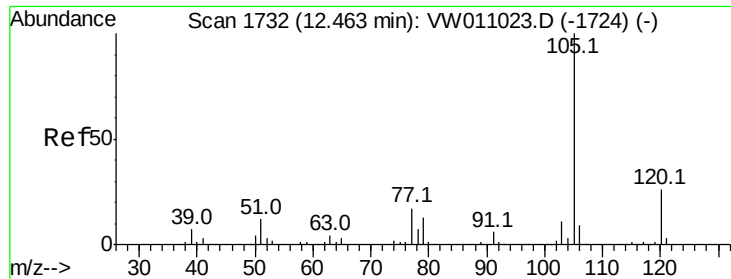


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





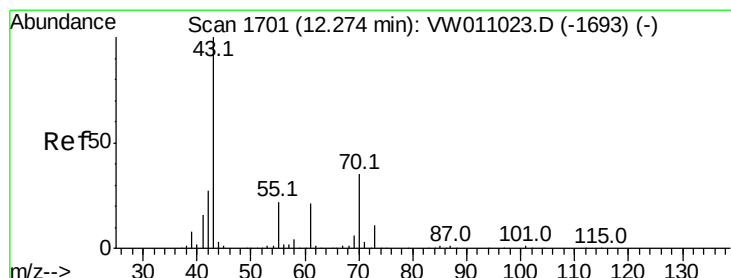
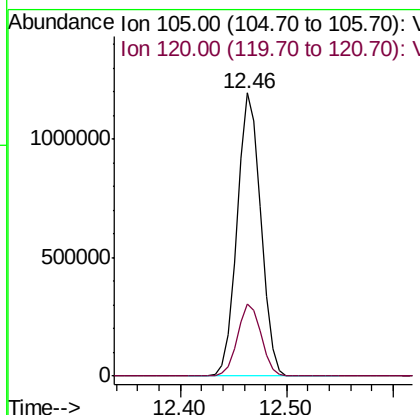
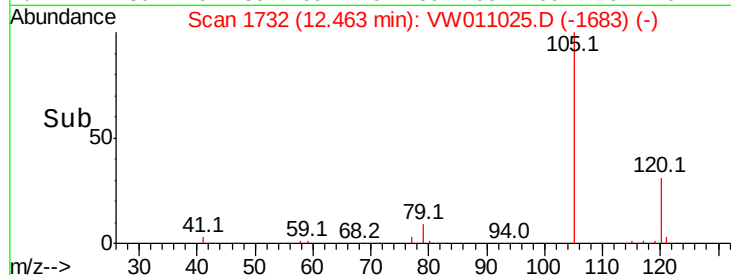
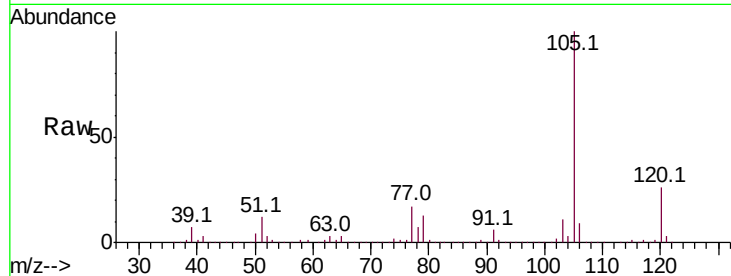
#73
Isopropylbenzene
Concen: 150.806 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1867958
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6

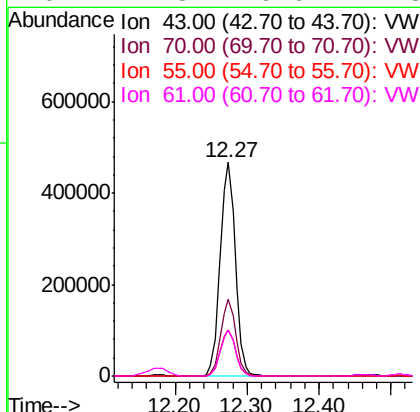
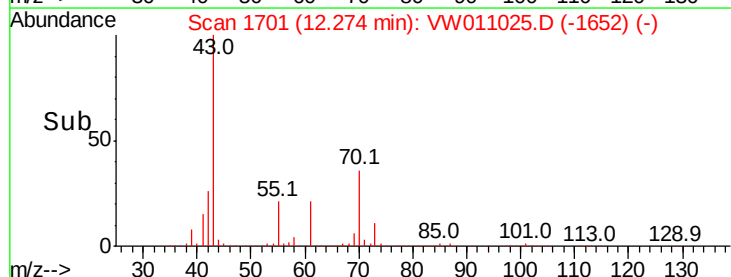
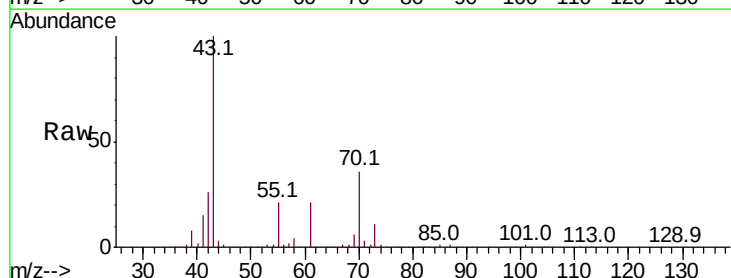
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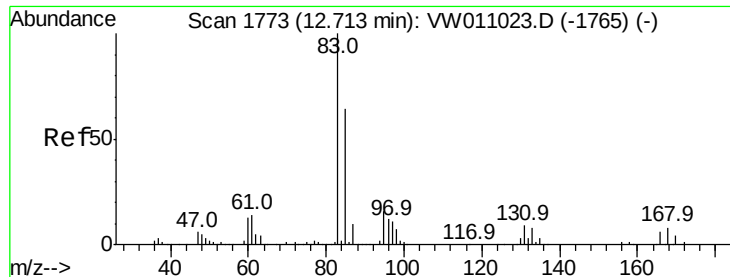
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#74
N-ethyl acetate
Concen: 167.420 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion: 43 Resp: 680233
Ion Ratio Lower Upper
43 100
70 35.4 28.2 42.4
55 21.7 17.8 26.8
61 21.3 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 154.528 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

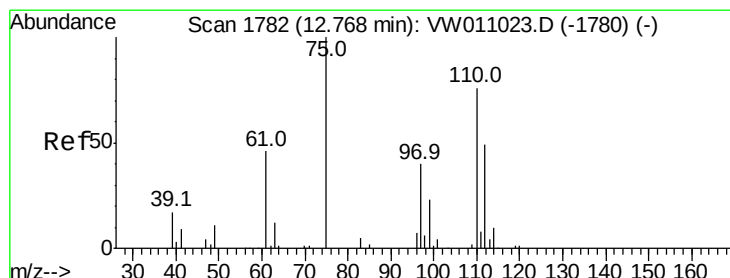
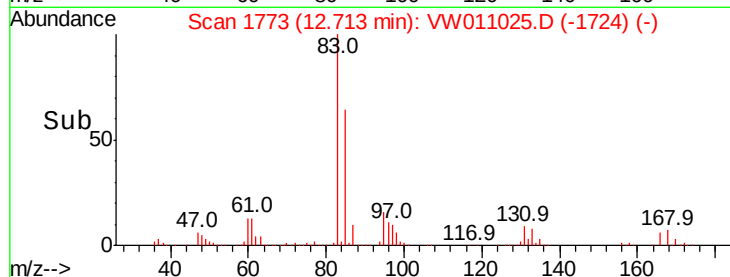
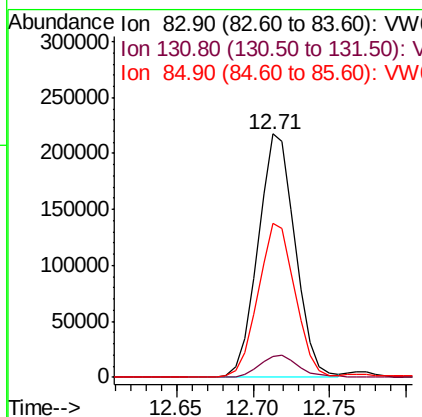
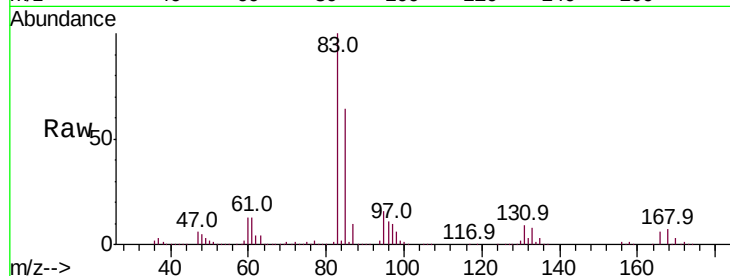
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	367179
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	63.2	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 150.718 ug/l m

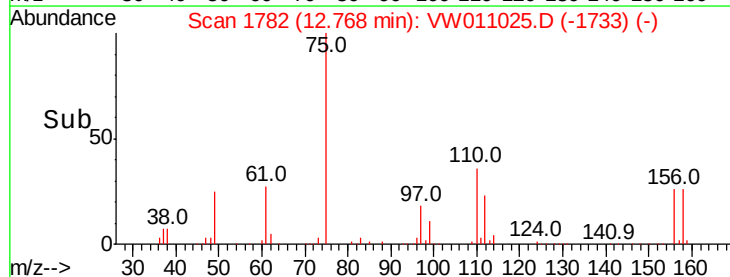
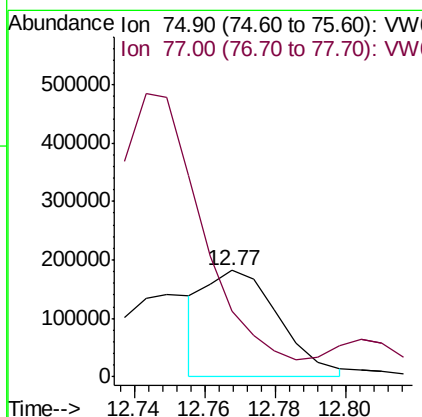
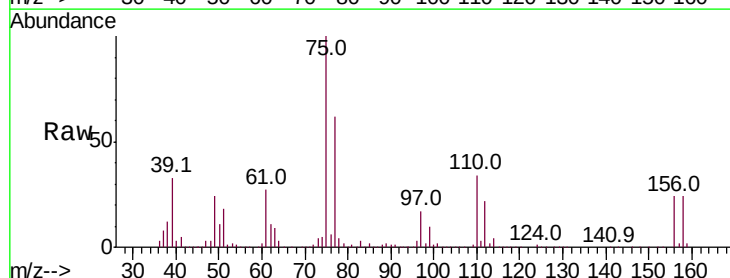
RT: 12.77 min Scan# 1782

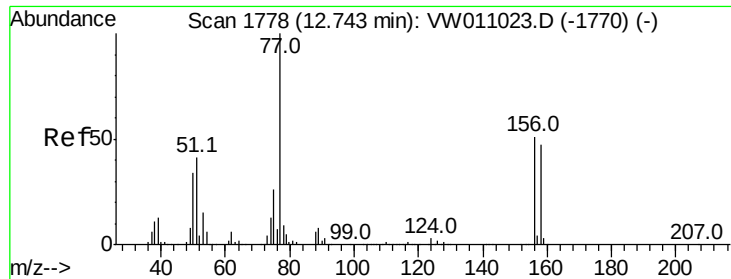
Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Tgt Ion:	75	Resp:	262755
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





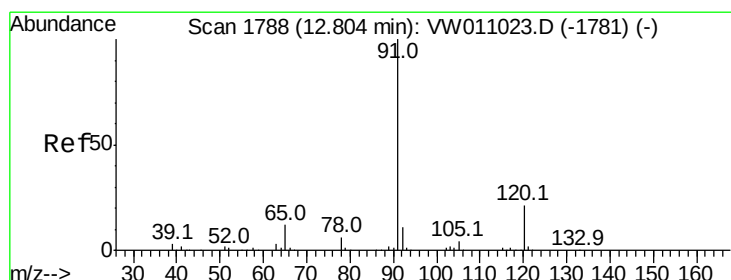
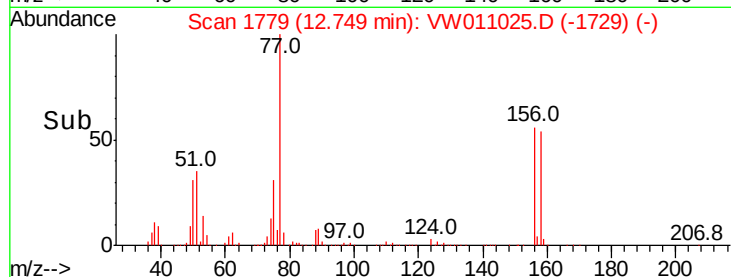
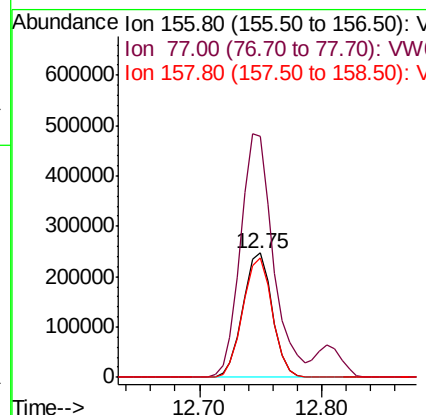
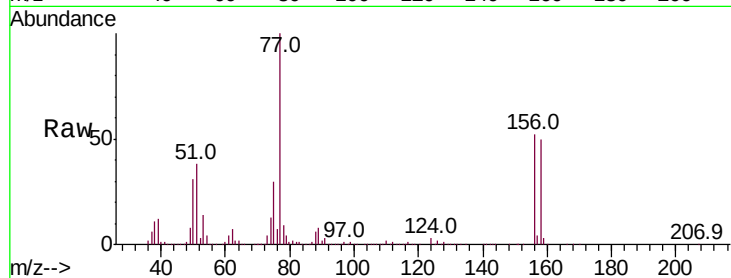
#77
Bromobenzene
Concen: 150.904 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.01 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.3	109.5	328.5
158	96.9	48.6	145.9

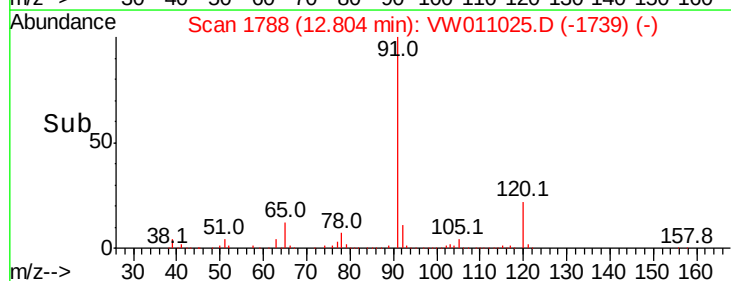
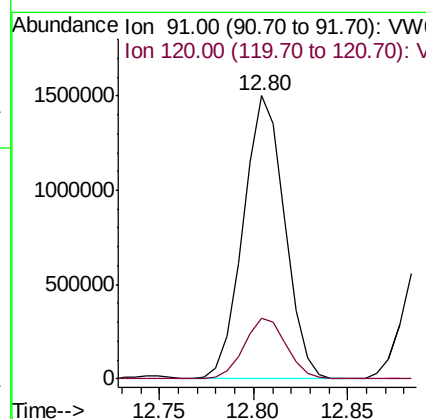
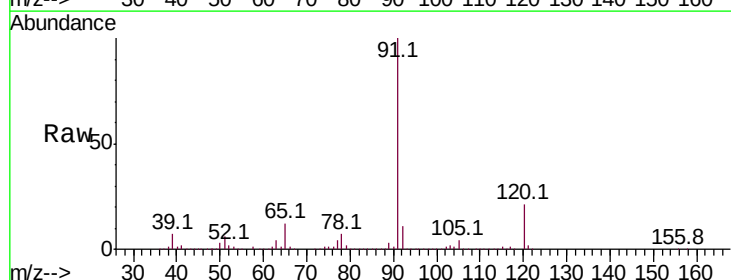
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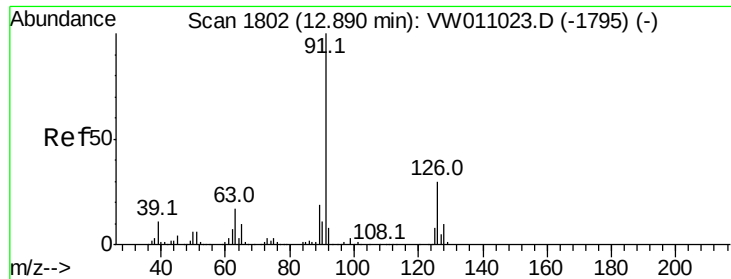
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#78
n-propylbenzene
Concen: 152.182 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.5	31.6





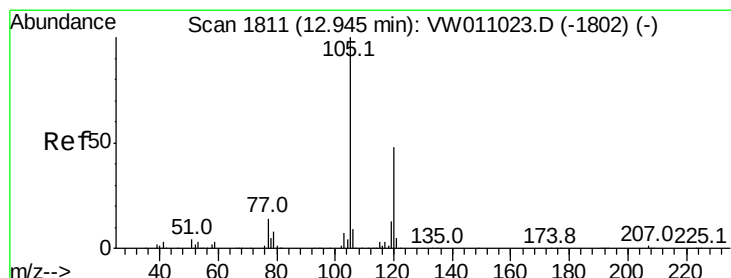
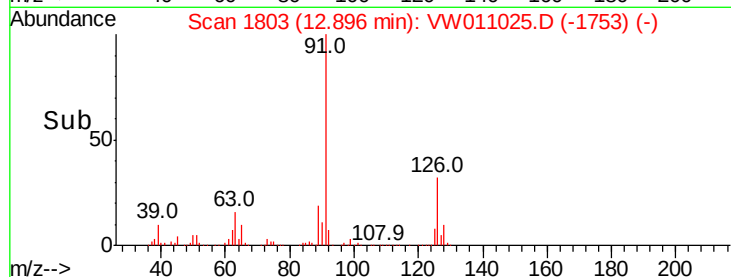
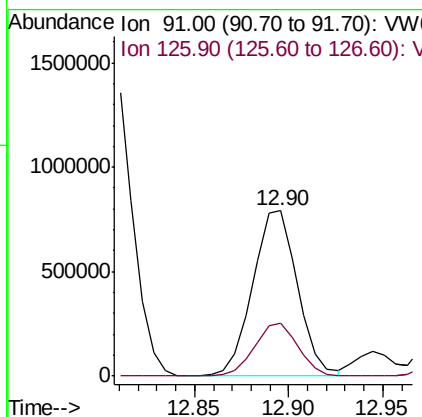
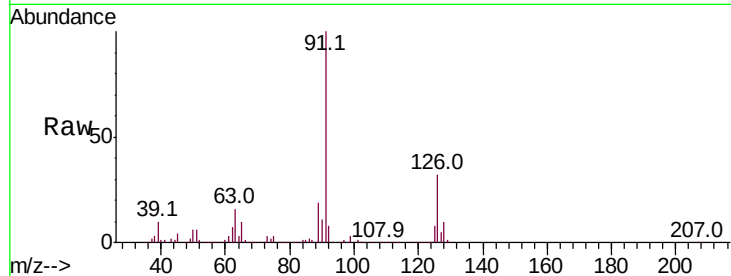
#79
 2-Chlorotoluene
 Concen: 152.216 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1305831
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.4 46.4

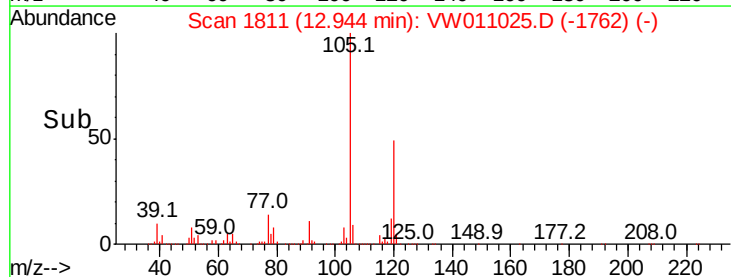
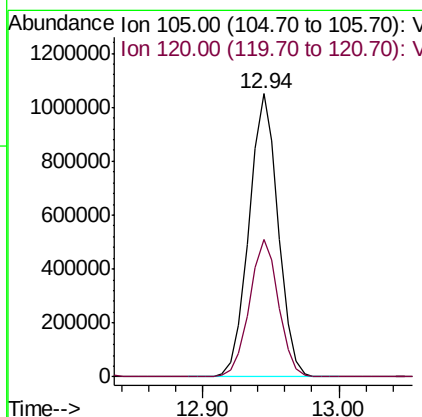
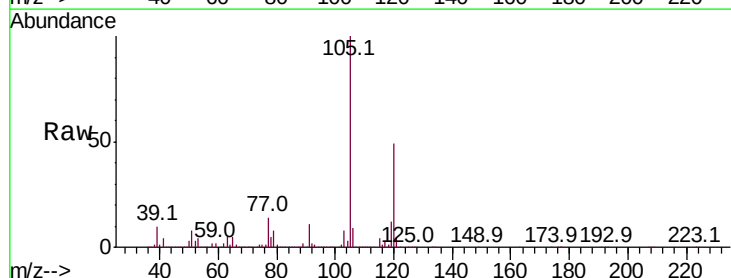
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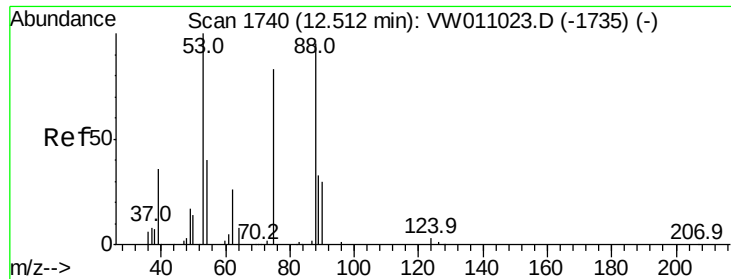
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#80
 1,3,5-Trimethylbenzene
 Concen: 153.656 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Tgt Ion:105 Resp: 1569688
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.8 71.5





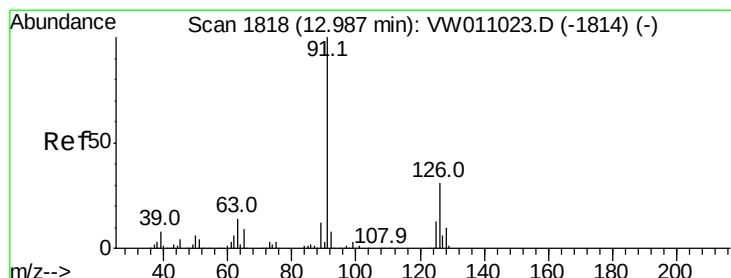
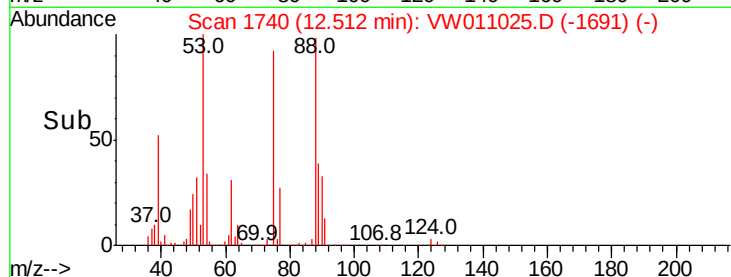
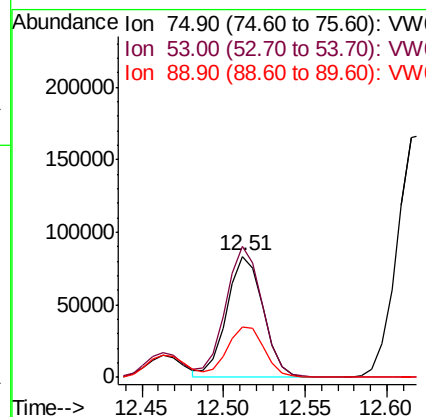
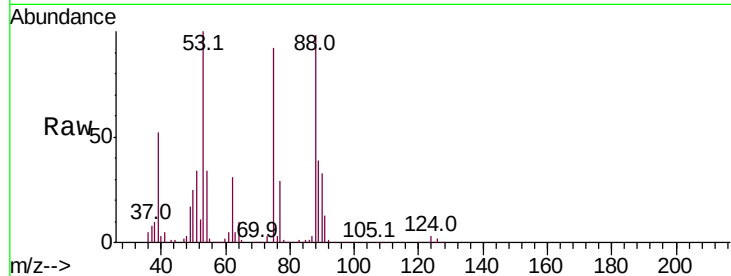
#81
trans-1,4-Dichloro-2-butene
Concen: 172.182 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.2	95.6	143.4
89	42.6	34.4	51.6

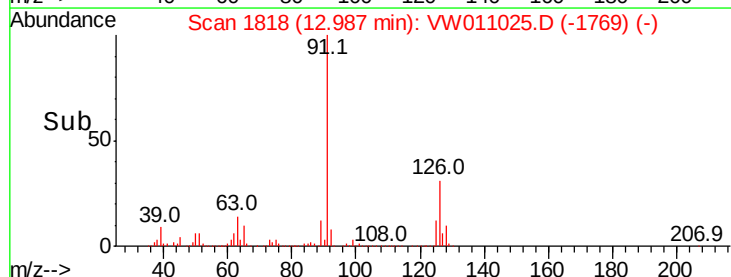
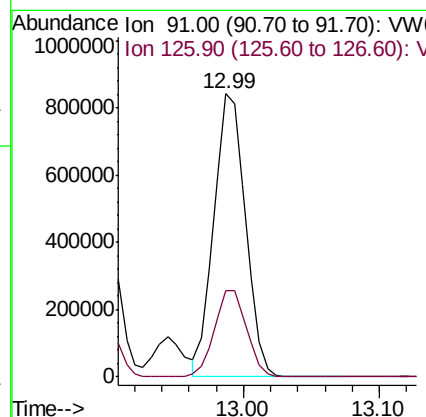
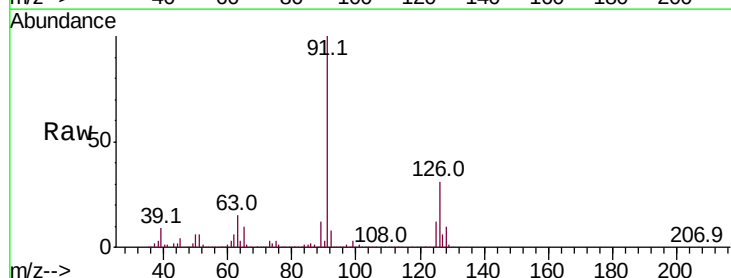
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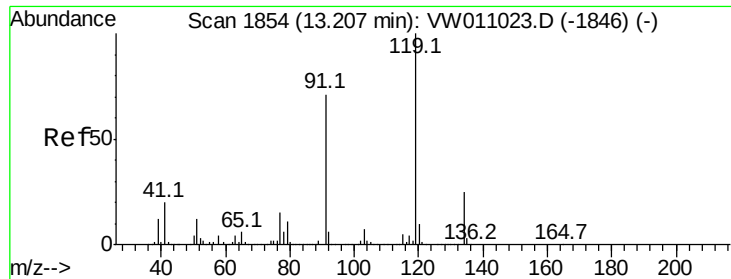
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#82
4-Chlorotoluene
Concen: 152.516 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1





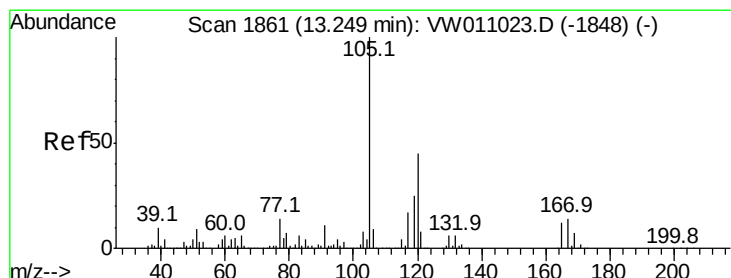
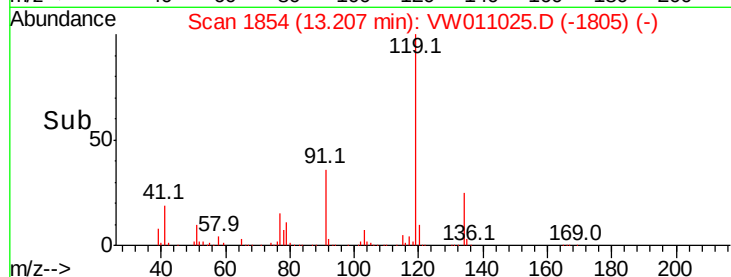
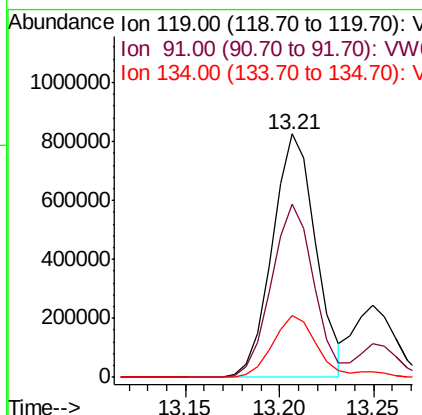
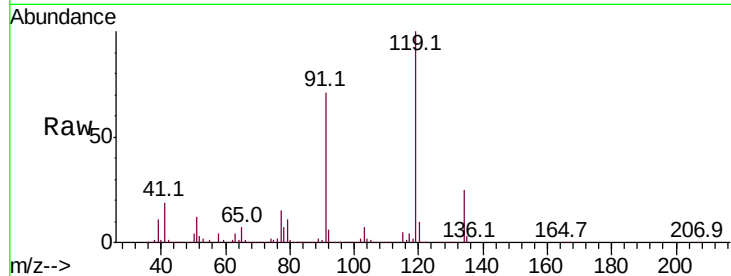
#83
tert-Butylbenzene
Concen: 152.457 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:119 Resp: 1316014
Ion Ratio Lower Upper
119 100
91 70.8 35.5 106.5
134 26.9 12.4 37.2

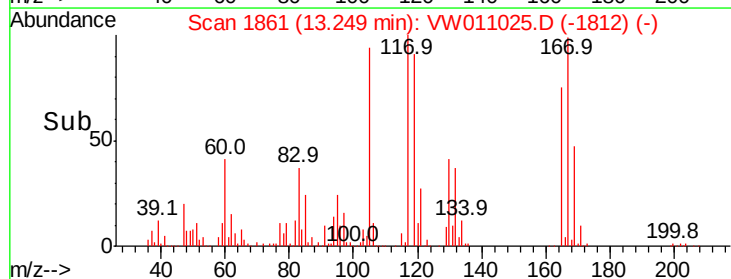
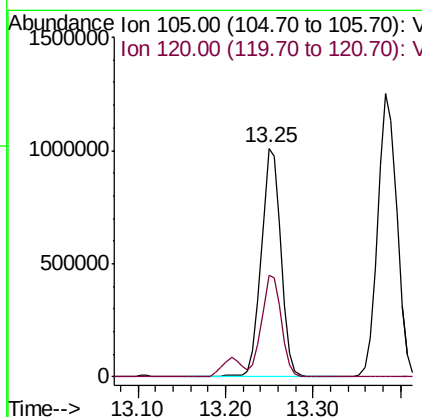
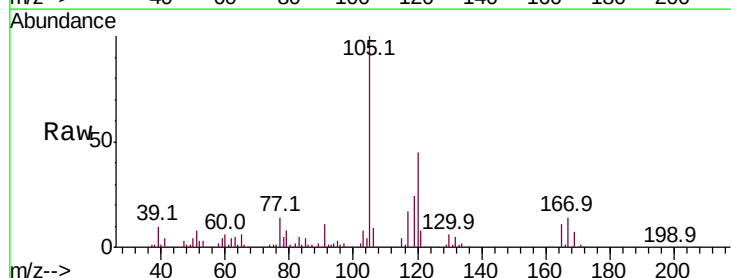
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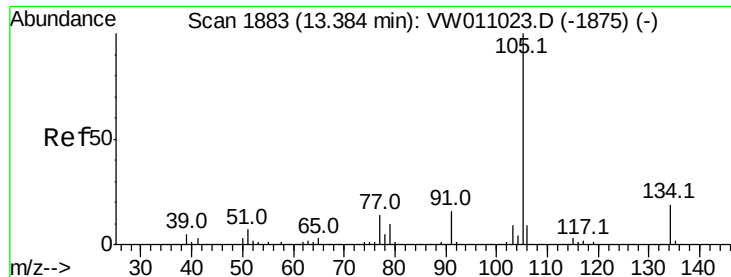
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#84
1,2,4-Trimethylbenzene
Concen: 154.256 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion:105 Resp: 1585568
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.2





#85

sec-Butylbenzene

Concen: 151.075 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1897263

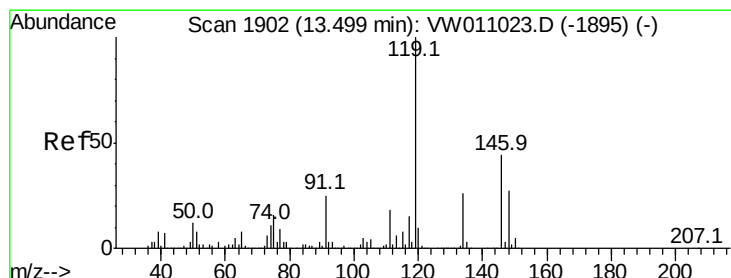
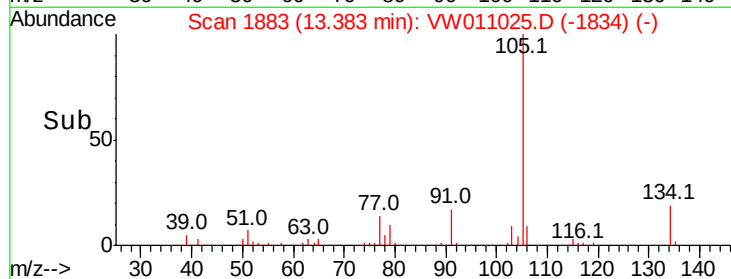
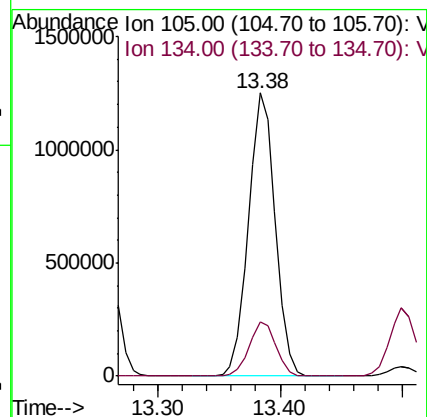
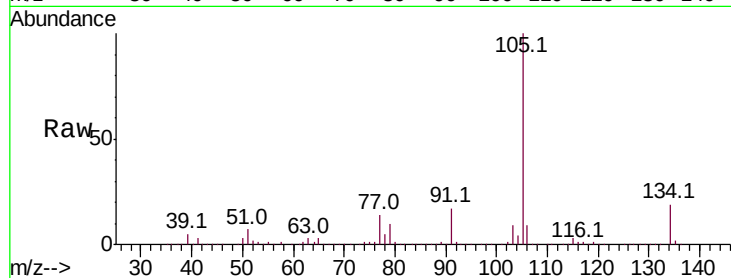
Ion Ratio Lower Upper

105 100

134 19.4 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 152.378 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

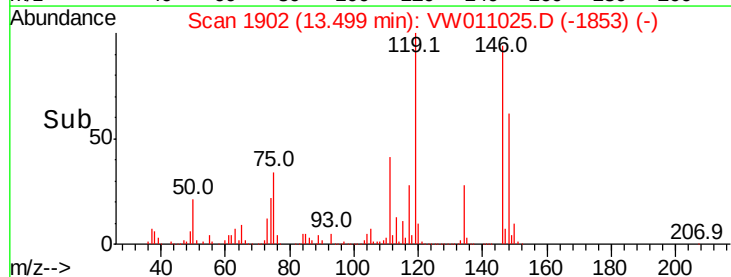
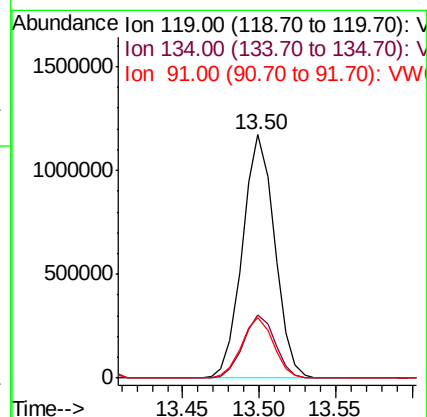
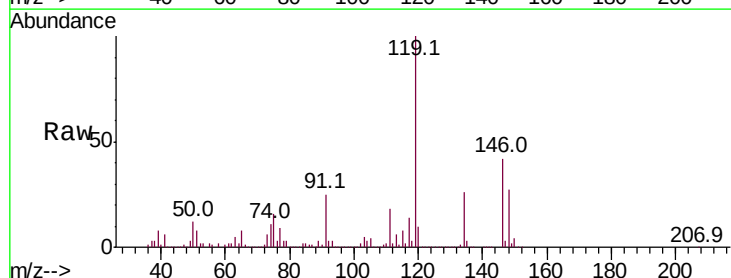
Tgt Ion:119 Resp: 1713022

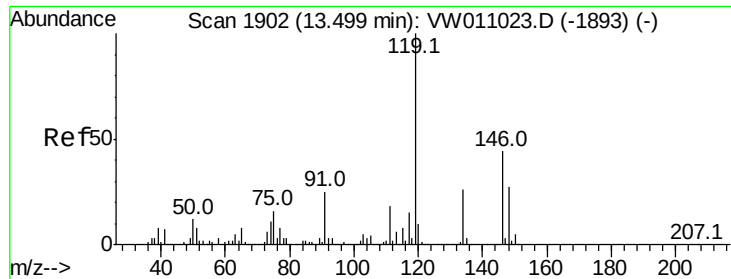
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 24.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 150.782 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

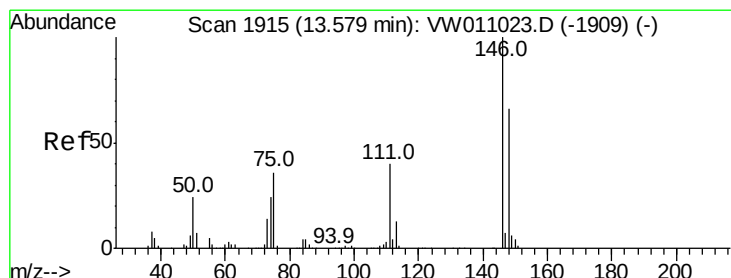
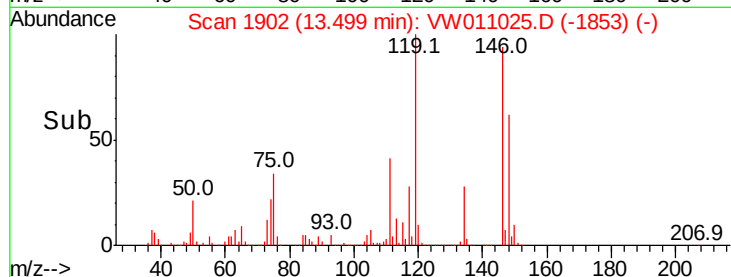
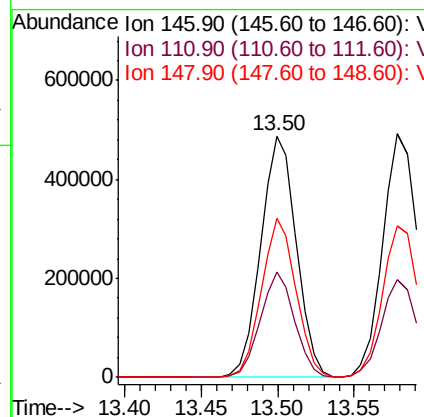
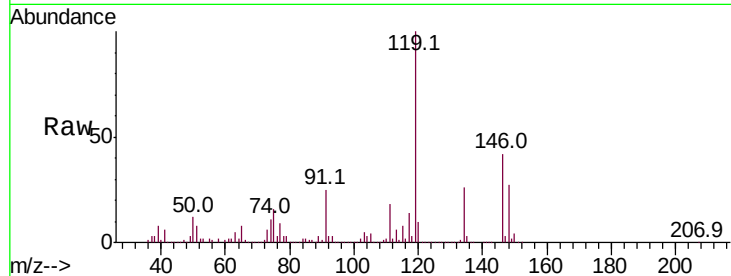
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	64.1	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 150.047 ug/l

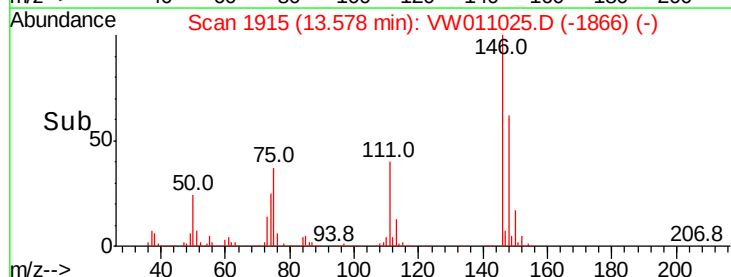
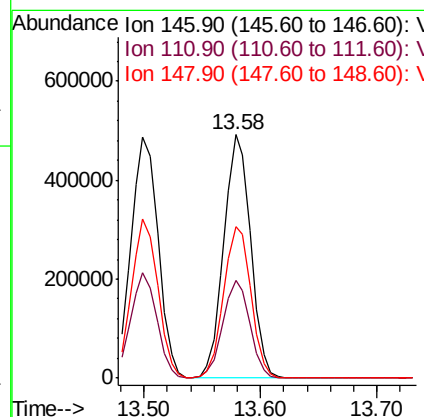
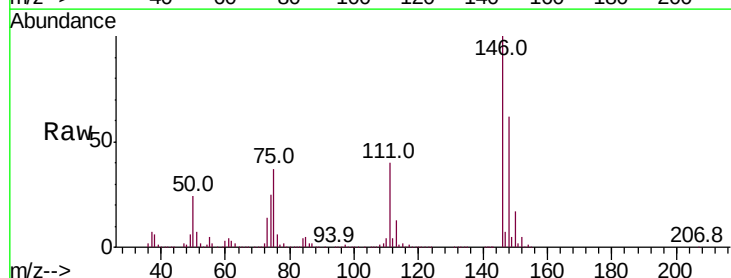
RT: 13.58 min Scan# 1915

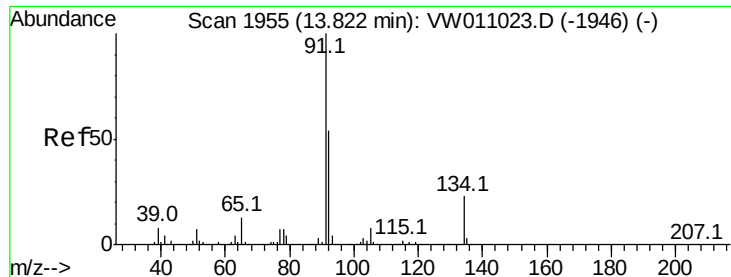
Delta R.T. -0.00 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.9
148	63.4	32.4	97.2





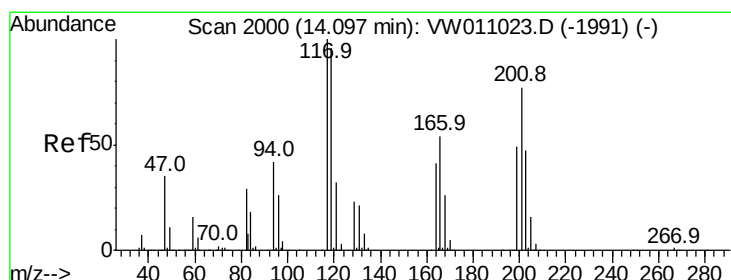
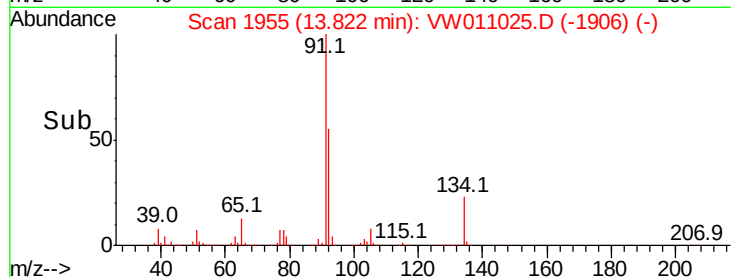
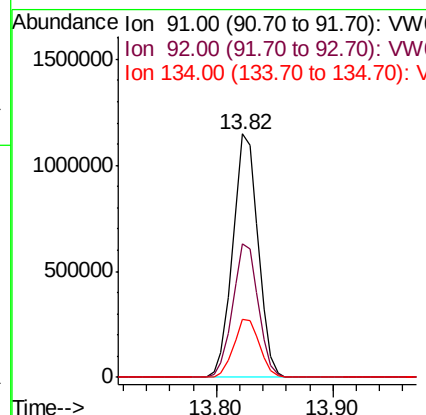
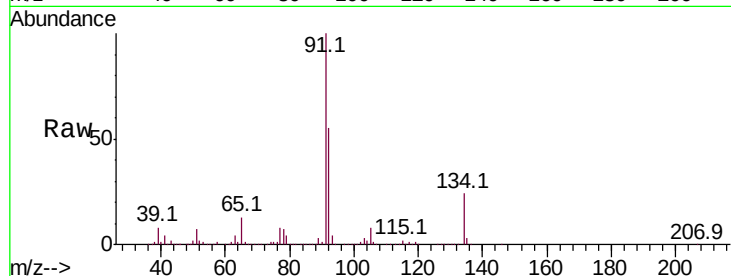
#89
n-Butylbenzene
Concen: 154.264 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.1	81.2
134	24.2	12.0	36.1

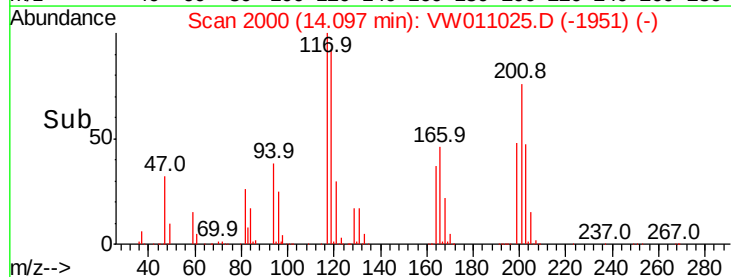
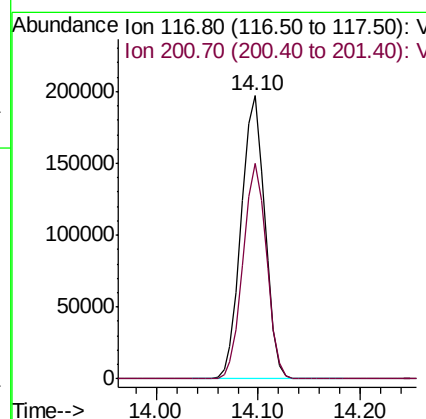
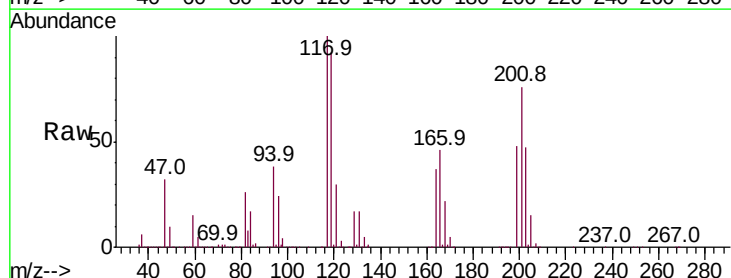
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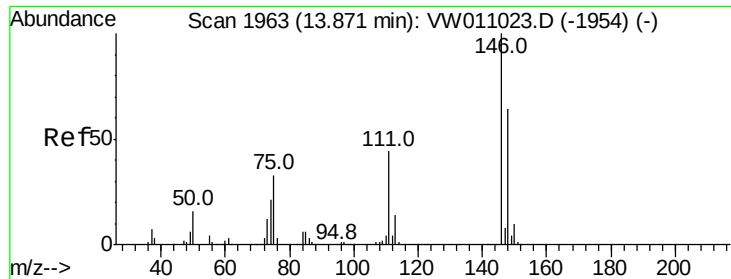
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#90
Hexachloroethane
Concen: 158.440 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.9	38.0	114.0





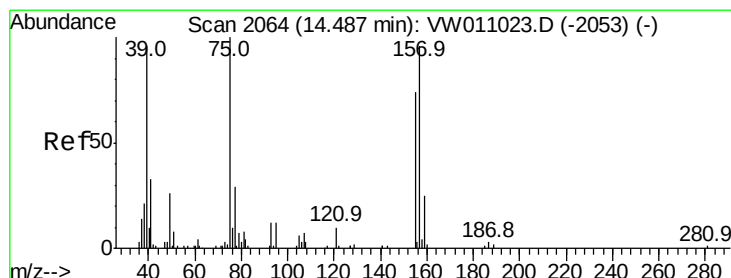
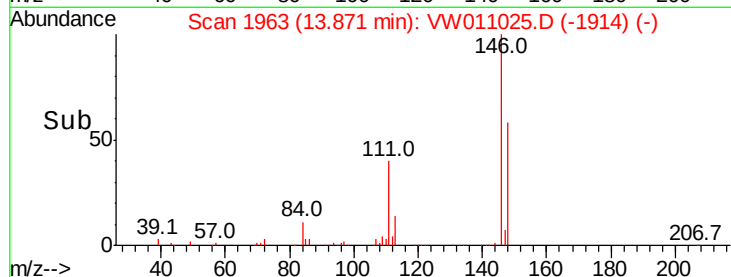
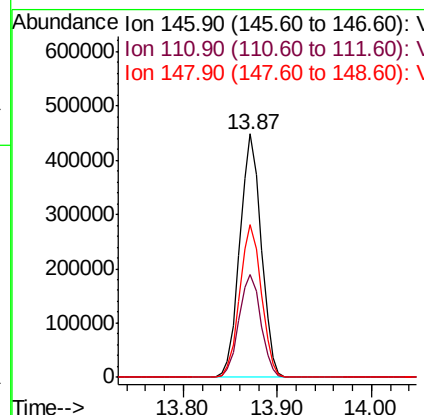
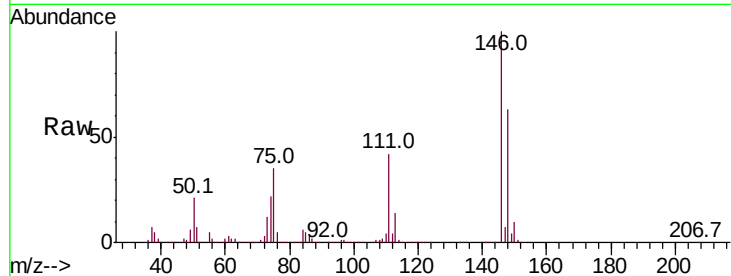
#91
 1,2-Dichlorobenzene
 Concen: 149.818 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.4	64.3
148	63.7	31.8	95.3

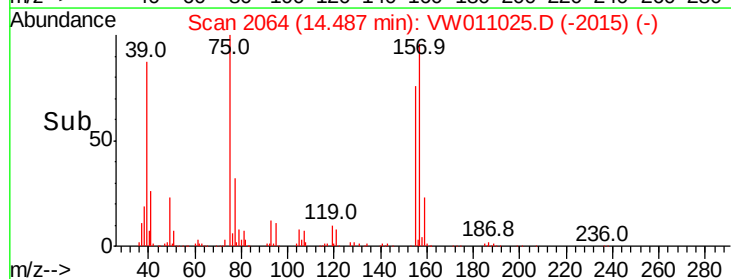
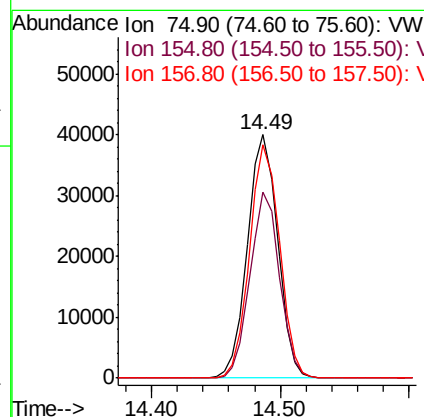
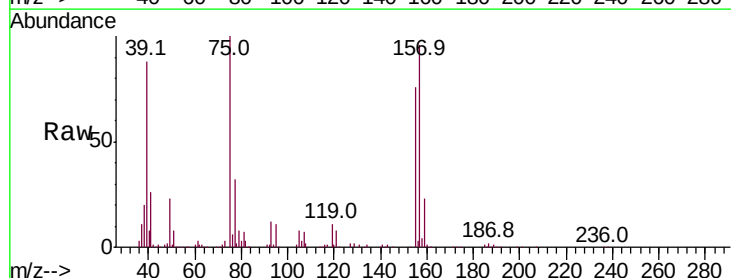
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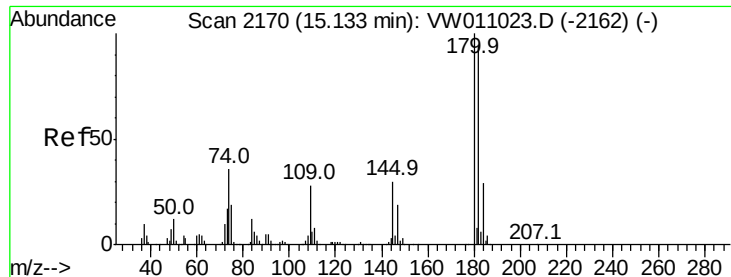
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 157.830 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011025.D
 Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	37.0	110.9
157	94.8	45.9	137.7





#93

1,2,4-Trichlorobenzene

Concen: 153.709 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW011025.D

Acq: 27 Jun 2019 17:16

Instrument :

MSVOA_W

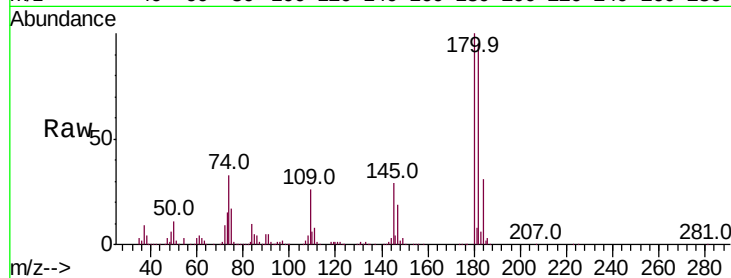
ClientSampleId :

VSTDIC150

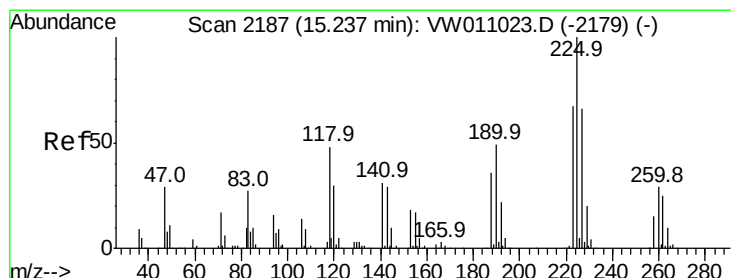
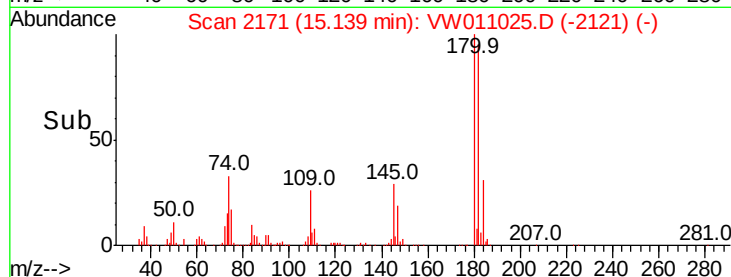
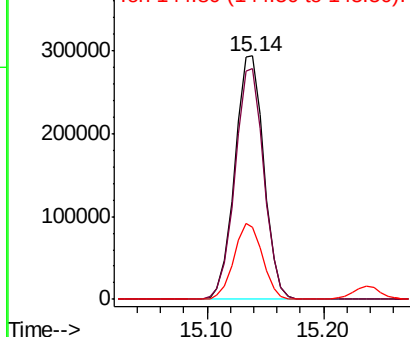
Tot Ion:	180	Resp:	509367
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.4	142.2
145	30.7	15.3	45.8

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 145.770 ug/l

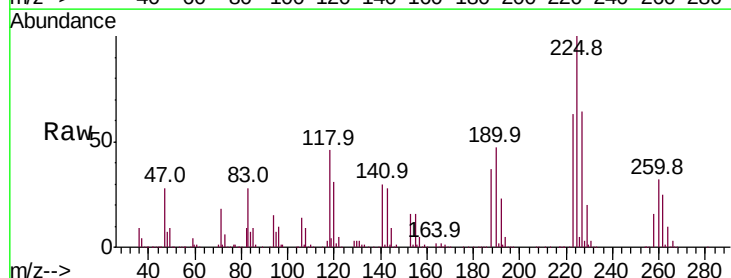
RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

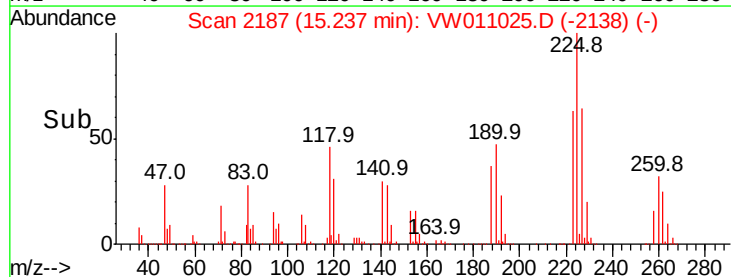
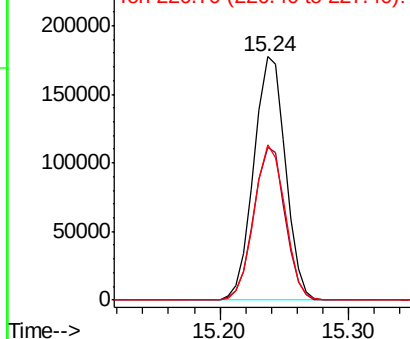
Lab File: VW011025.D

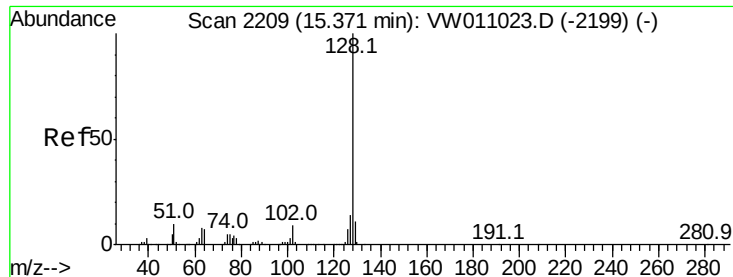
Acq: 27 Jun 2019 17:16

Tgt Ion:	225	Resp:	301115
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.9	95.9
227	62.7	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





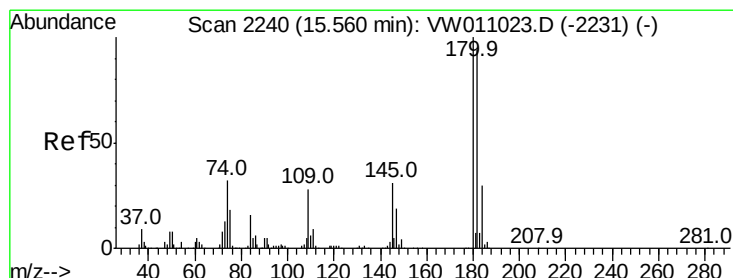
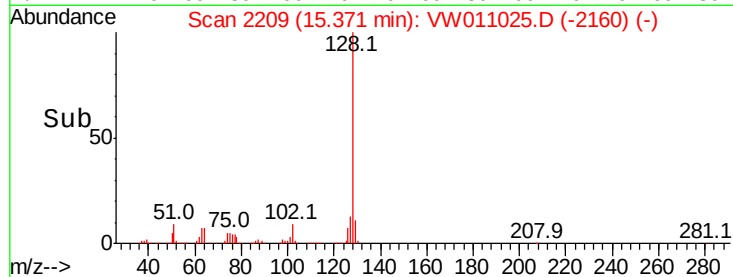
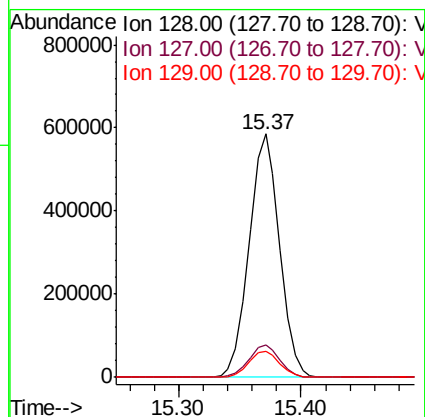
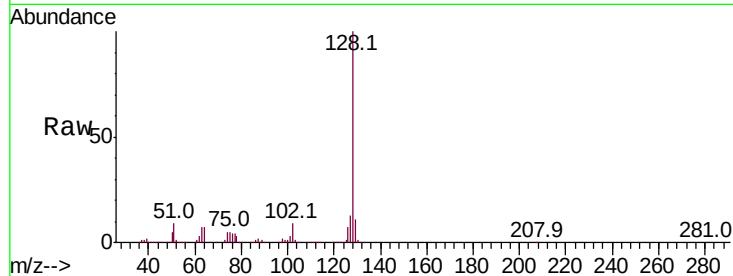
#95
Naphthalene
Concen: 165.979 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/28/2019 10:25:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 159.169 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011025.D
Acq: 27 Jun 2019 17:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.9	143.7
145	32.1	16.1	48.2

