

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008643.D
 Acq On : 13 Feb 2019 16:29
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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 2/14/2019 2:09:09 PM

Quant Time: Feb 14 04:02:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:43:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	421053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	660741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	610570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	321177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	663255	151.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.04%	
35) Dibromofluoromethane	7.88	113	592562	144.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.86%	
50) Toluene-d8	10.32	98	2348283	148.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.96%	
62) 4-Bromofluorobenzene	12.62	95	921462	154.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	401957	149.049	ug/l	95
3) Chloromethane	2.21	50	610189	156.954	ug/l	99
4) Vinyl Chloride	2.37	62	796259	155.924	ug/l	99
5) Bromomethane	2.77	94	588707	145.687	ug/l	97
6) Chloroethane	2.92	64	566916	149.193	ug/l	98
7) Trichlorofluoromethane	3.25	101	675292	169.782	ug/l	98
8) Diethyl Ether	3.67	74	335458	141.334	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	589339	140.211	ug/l	97
10) Methyl Iodide	4.26	142	901331	137.390	ug/l	99
11) Tert butyl alcohol	5.17	59	254623	740.998	ug/l	99
12) 1,1-Dichloroethene	4.03	96	573751	139.579	ug/l	97
13) Acrolein	3.89	56	255697	708.608	ug/l	98
14) Allyl chloride	4.65	41	993137	145.420	ug/l	100
15) Acrylonitrile	5.36	53	743922	744.643	ug/l	99
16) Acetone	4.12	43	743496	748.980	ug/l	97
17) Carbon Disulfide	4.37	76	1761961	142.038	ug/l	100
18) Methyl Acetate	4.67	43	336455	147.814	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	993875	137.732	ug/l	98
20) Methylene Chloride	4.90	84	580195	101.785	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	624498	138.727	ug/l	94
22) Diisopropyl ether	6.31	45	2034294	147.998	ug/l	97
23) Vinyl Acetate	6.25	43	6981940	782.638	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1124398	141.761	ug/l	100
25) 2-Butanone	7.17	43	1094538	778.167	ug/l	100
26) 2,2-Dichloropropane	7.16	77	680427	137.322	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	676975	139.073	ug/l	97
28) Bromochloromethane	7.51	49	545584	162.944	ug/l	98
29) Tetrahydrofuran	7.52	42	715019	771.254	ug/l	99
30) Chloroform	7.67	83	1139913	143.429	ug/l	95
31) Cyclohexane	7.95	56	1060169	132.427	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	950393	141.594	ug/l	98
36) 1,1-Dichloropropene	8.08	75	924943	139.334	ug/l	99
37) Ethyl Acetate	7.25	43	475052	148.351	ug/l	98
38) Carbon Tetrachloride	8.06	117	939947	142.394	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1179468	140.474	ug/l	99
40) Benzene	8.32	78	2514368	138.687	ug/l	99
41) Methacrylonitrile	7.48	41	297882	165.335	ug/l	94
42) 1,2-Dichloroethane	8.40	62	797322	141.783	ug/l	100
43) Isopropyl Acetate	8.42	43	967155	151.467	ug/l	100
44) Trichloroethene	9.09	130	690207	137.305	ug/l	96
45) 1,2-Dichloropropane	9.37	63	623121	138.878	ug/l	99
46) Dibromomethane	9.46	93	347018	140.401	ug/l	99
47) Bromodichloromethane	9.64	83	867832	146.099	ug/l	100
48) Methyl methacrylate	9.43	41	463787	156.730	ug/l	97
49) 1,4-Dioxane	9.45	88	115133	2918.242	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	2544705	775.817	ug/l	100
52) Toluene	10.38	92	1685470	144.107	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	952359	152.616	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	1033541	146.107	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	484477	142.856	ug/l	99
56) Ethyl methacrylate	10.65	69	708841	157.406	ug/l	97
57) 1,3-Dichloropropane	10.93	76	860101	142.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1743117	806.909	ug/l	98
59) 2-Hexanone	10.97	43	1820335	790.000	ug/l	99
60) Dibromochloromethane	11.13	129	612978	151.061	ug/l	99
61) 1,2-Dibromoethane	11.23	107	488044	146.159	ug/l	99
64) Tetrachloroethene	10.86	164	615325	135.521	ug/l	100
65) Chlorobenzene	11.66	112	1813576	137.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	662285	142.062	ug/l	99
67) Ethyl Benzene	11.73	91	3357994	143.247	ug/l	99
68) m/p-Xylenes	11.84	106	2600682	285.130	ug/l	99
69) o-Xylene	12.16	106	1253725	145.416	ug/l	98
70) Styrene	12.18	104	2141706	152.087	ug/l	99
71) Bromoform	12.35	173	400236	159.335	ug/l #	98
73) Isopropylbenzene	12.46	105	3540308	147.983	ug/l	100
74) N-amyl acetate	12.27	43	1060297	163.893	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	620143	148.986	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	446407m	116.454	ug/l	
77) Bromobenzene	12.75	156	763074	138.757	ug/l	96
78) n-propylbenzene	12.80	91	4131028	145.327	ug/l	99
79) 2-Chlorotoluene	12.90	91	2313908	144.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2871195	144.489	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	219910	169.496	ug/l	99
82) 4-Chlorotoluene	12.99	91	2480051	145.666	ug/l	99
83) tert-Butylbenzene	13.21	119	2471457	143.234	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2951440	144.509	ug/l	100
85) sec-Butylbenzene	13.38	105	3595905	143.127	ug/l	99
86) p-Isopropyltoluene	13.50	119	3371511	150.005	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1597673	143.311	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	1513039	137.711	ug/l	99
89) n-Butylbenzene	13.83	91	3114558	145.823	ug/l	99
90) Hexachloroethane	14.10	117	582603	148.368	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	1369068	138.610	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	107898	149.170	ug/l	99

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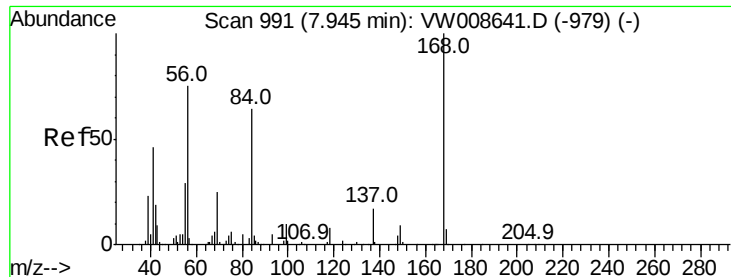
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	958401	136.311	ug/l	100
94) Hexachlorobutadiene	15.24	225	551220	134.683	ug/l	99
95) Naphthalene	15.37	128	1852608	147.032	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	831366	137.794	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 421053

Ion Ratio Lower Upper

168 100

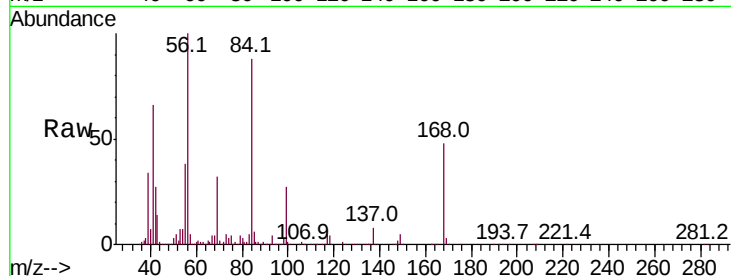
99 56.7 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

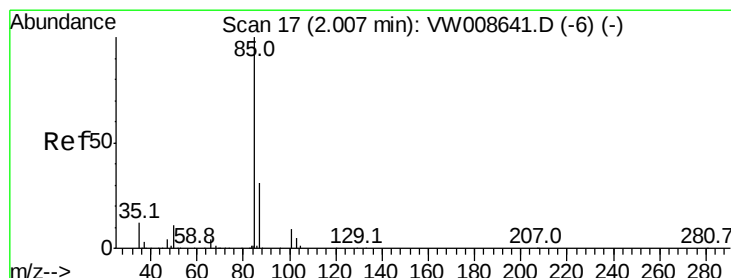
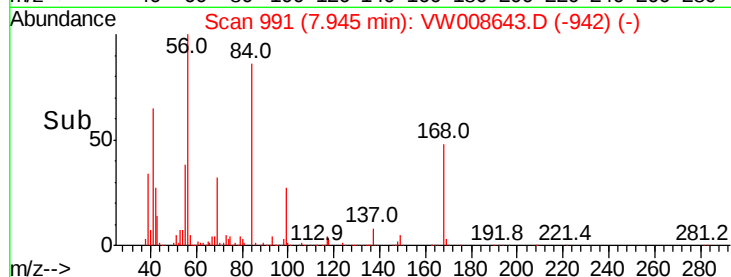
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 149.049 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008643.D

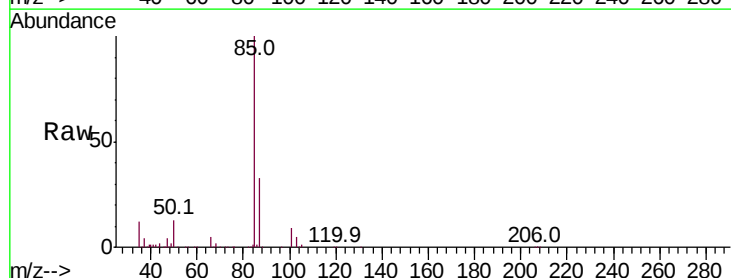
Acq: 13 Feb 2019 16:29

Tgt Ion: 85 Resp: 401957

Ion Ratio Lower Upper

85 100

87 33.5 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

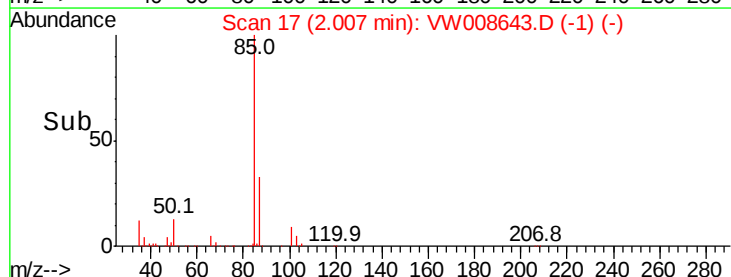
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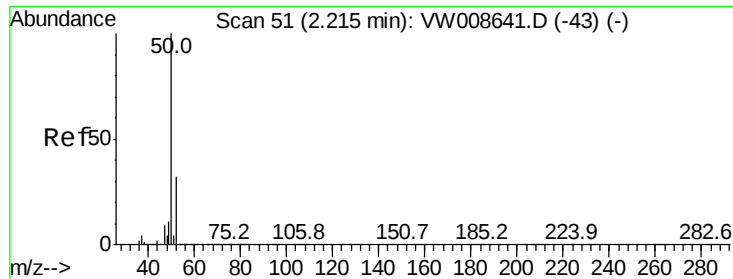
50000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 156.954 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 610189

Ion Ratio Lower Upper

50 100

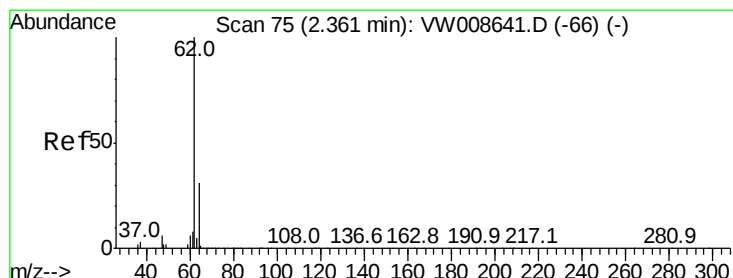
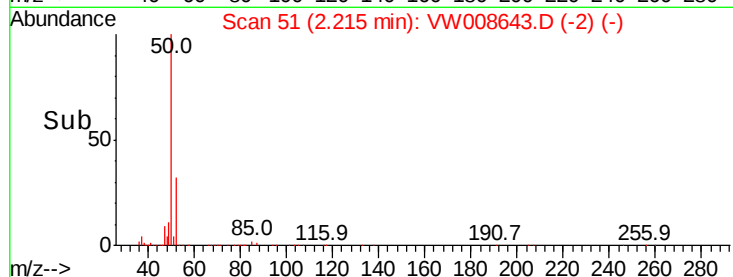
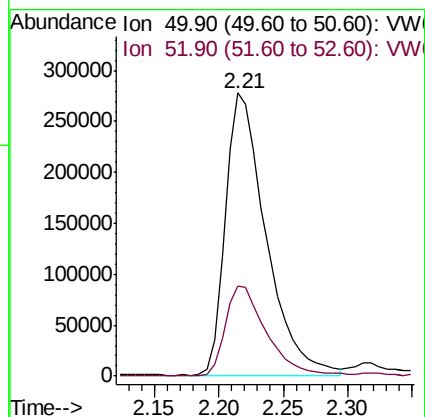
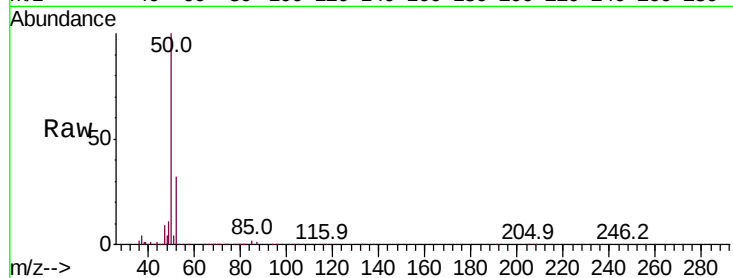
52 31.9 26.0 39.0

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#4

Vinyl Chloride

Concen: 155.924 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008643.D

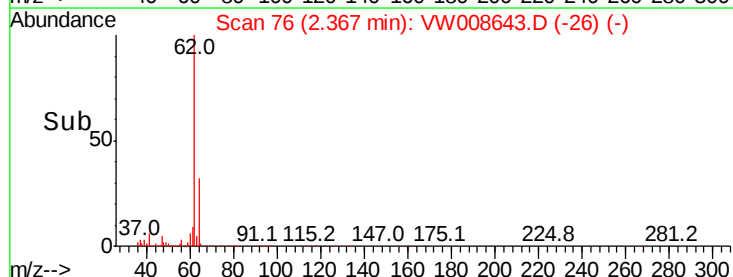
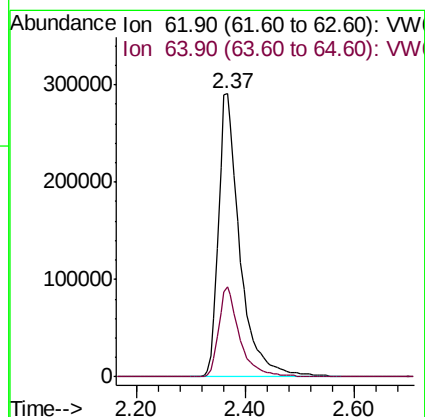
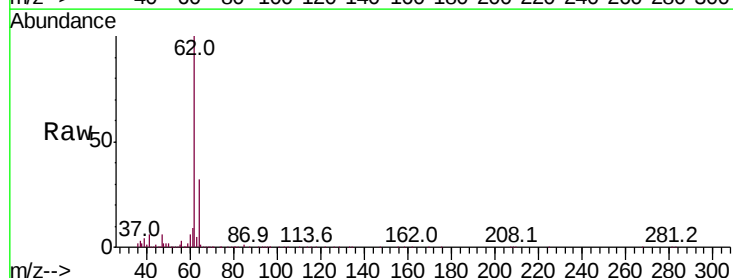
Acq: 13 Feb 2019 16:29

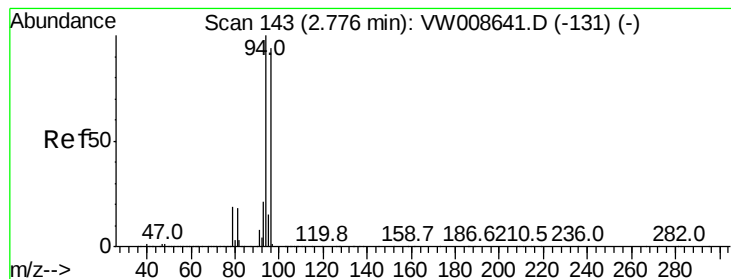
Tgt Ion: 62 Resp: 796259

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7





#5

Bromomethane

Concen: 145.687 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 588707

Ion Ratio Lower Upper

94 100

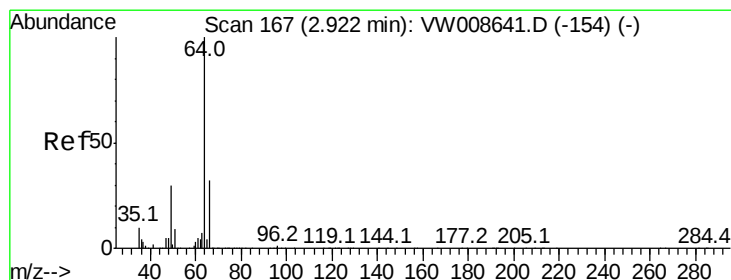
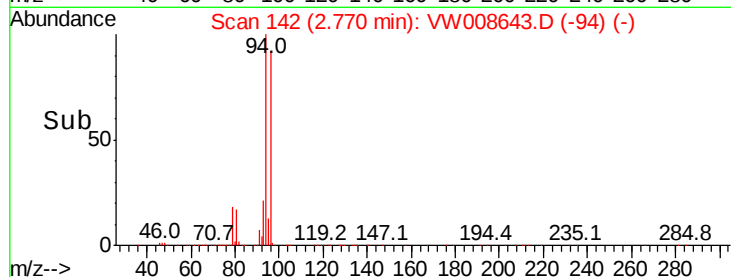
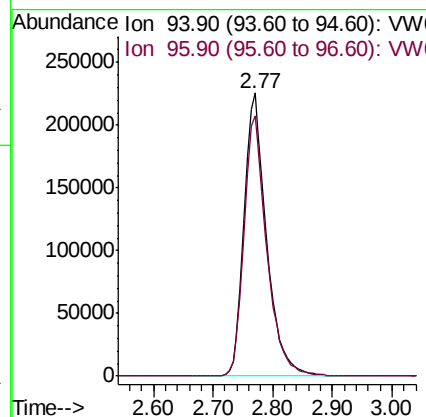
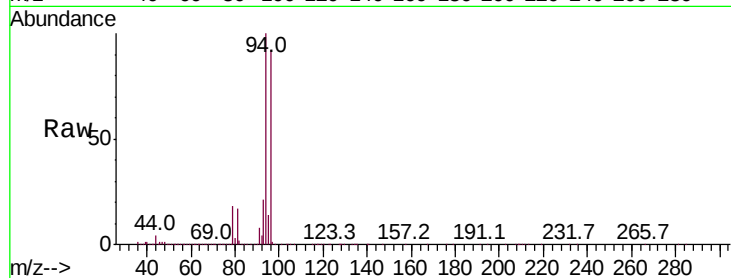
96 91.9 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 149.193 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW008643.D

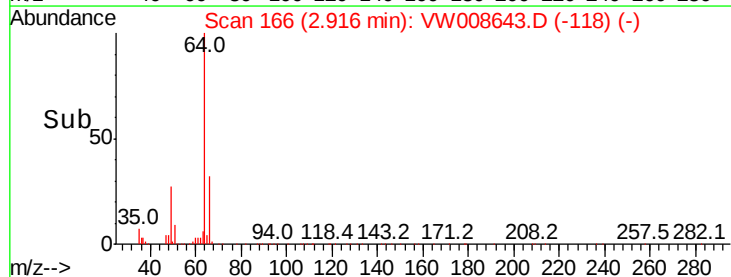
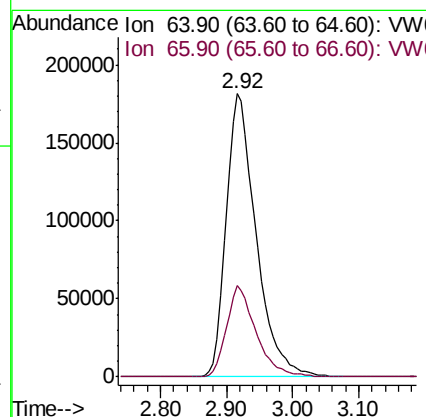
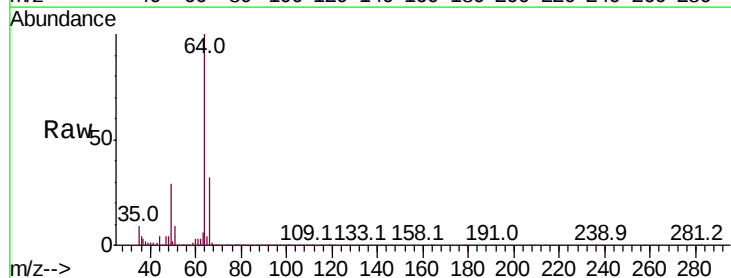
Acq: 13 Feb 2019 16:29

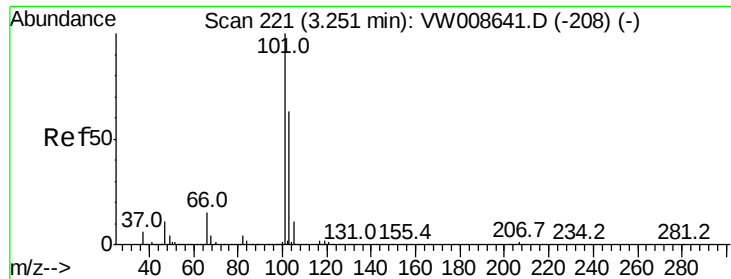
Tgt Ion: 64 Resp: 566916

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.4





#7

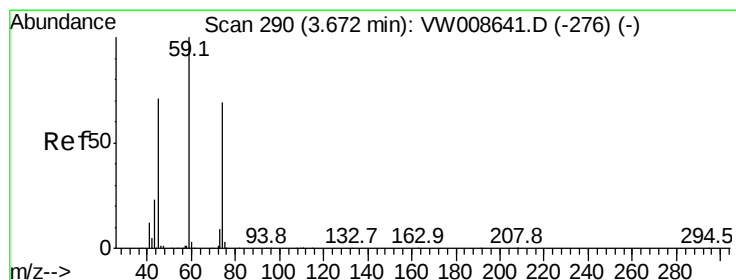
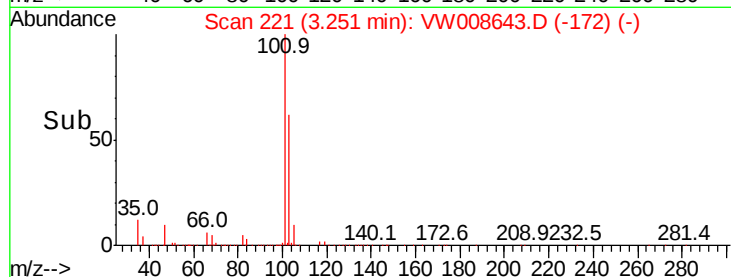
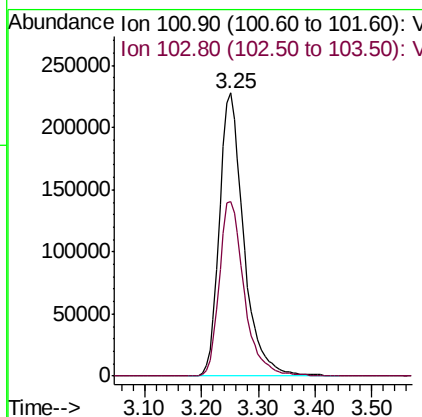
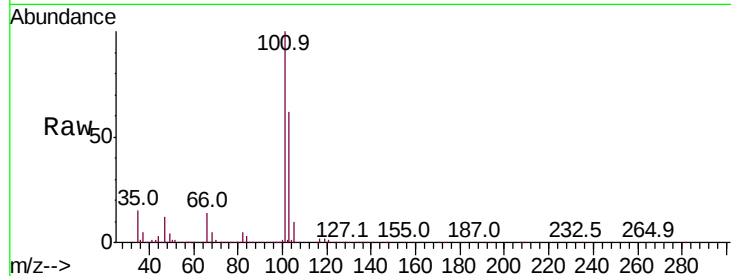
Trichlorofluoromethane
 Concen: 169.782 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

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 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	50.5	75.7

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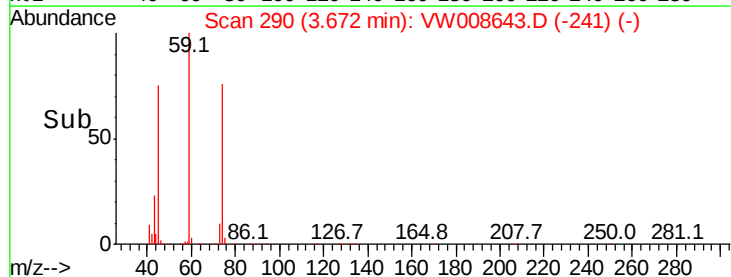
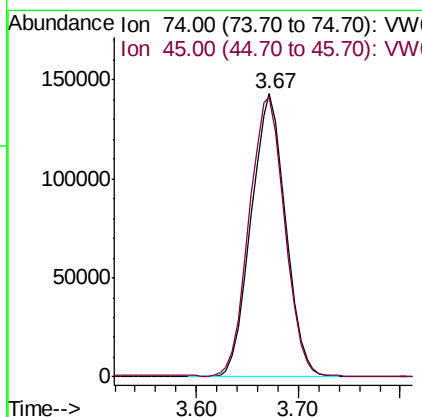
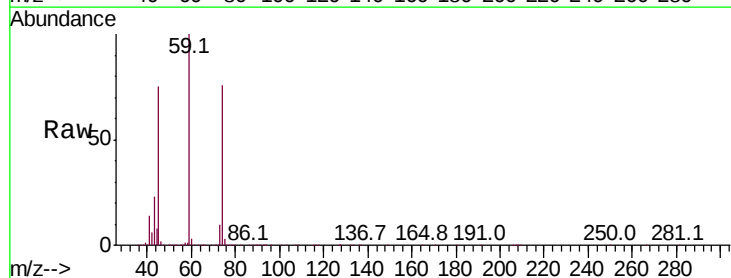
MMDadoda
 2/14/2019 2:09:09 PM

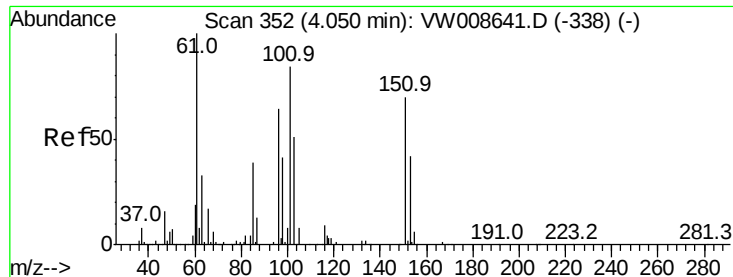


#8

Diethyl Ether
 Concen: 141.334 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.211 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

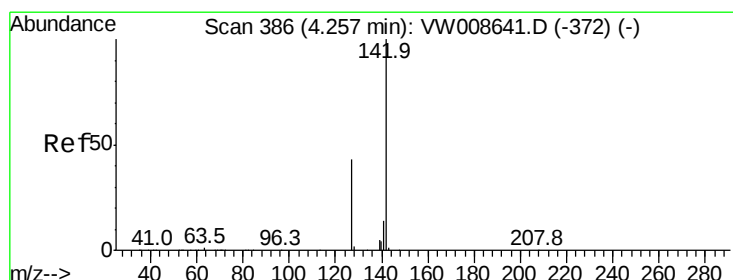
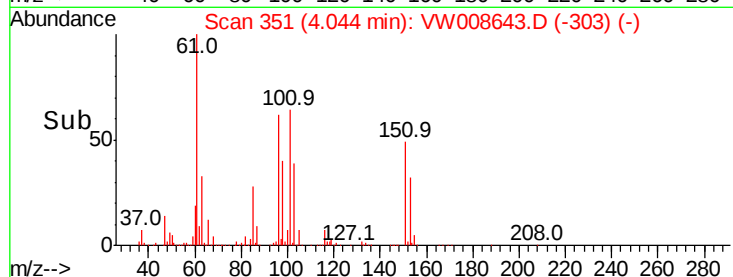
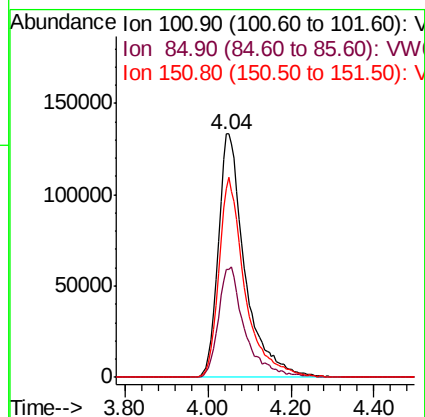
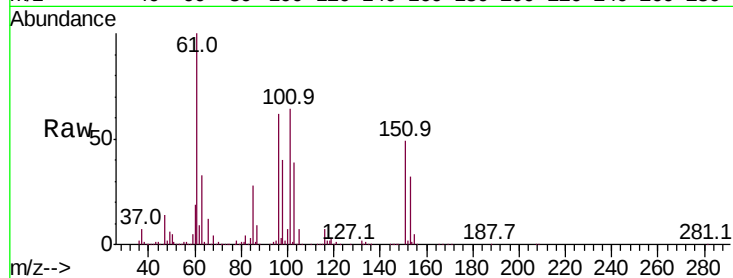
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	589339
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.3	51.5
151	80.2	65.6	98.4

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#10

Methyl Iodide

Concen: 137.390 ug/l

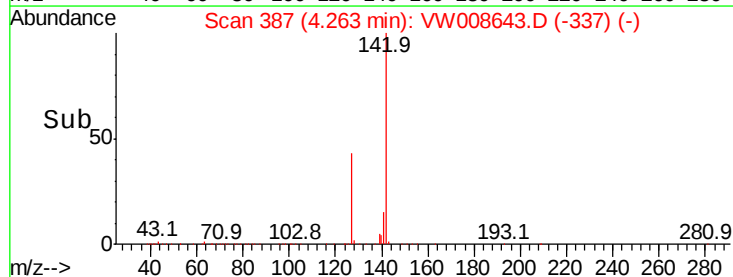
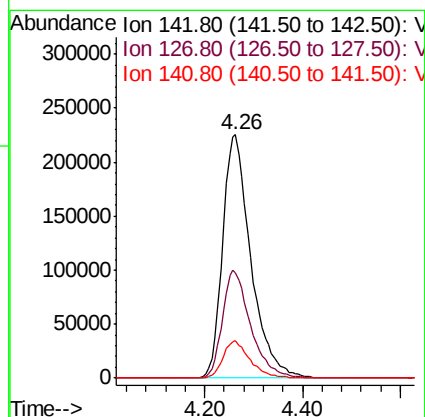
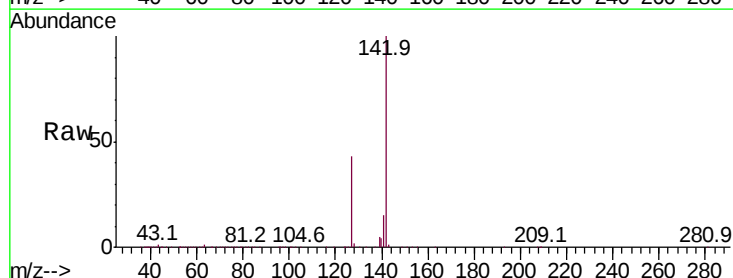
RT: 4.26 min Scan# 387

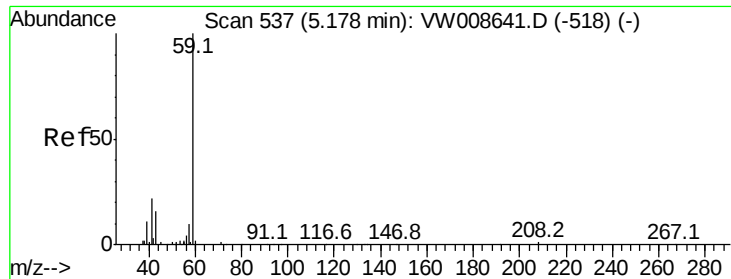
Delta R.T. 0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion:	142	Resp:	901331
Ion Ratio	Lower	Upper	
142	100		
127	44.4	34.8	52.2
141	14.8	11.8	17.8





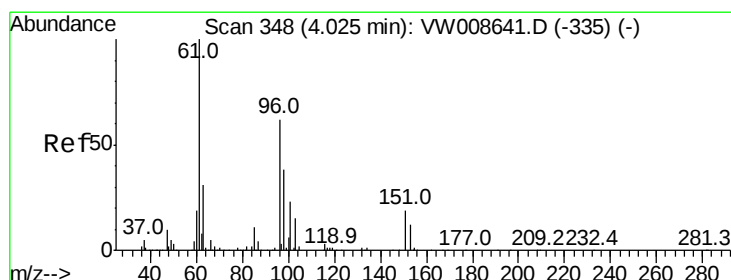
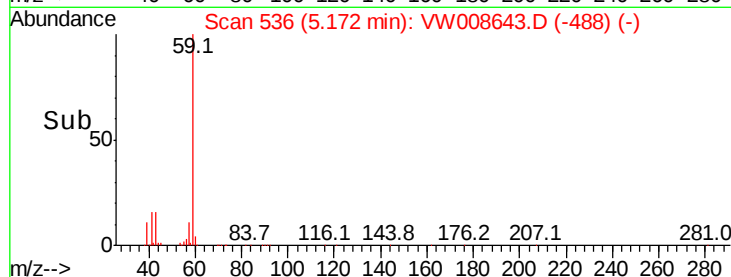
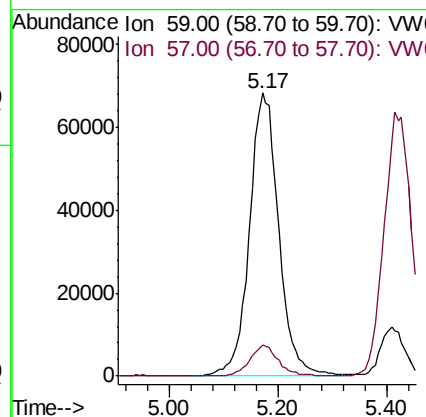
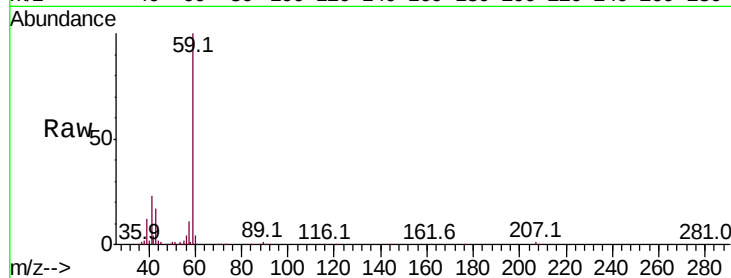
#11
Tert butyl alcohol
Concen: 740.998 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	59	Resp	254623
Ion Ratio	100	Lower	Upper
57	10.9	8.3	12.5

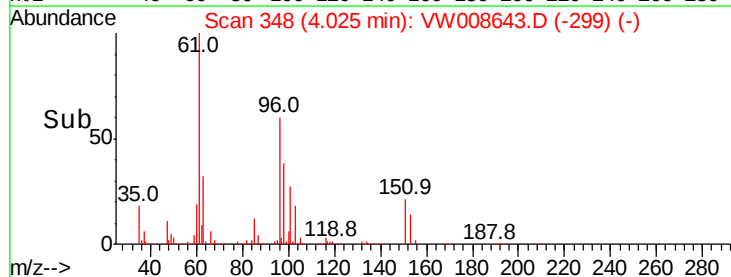
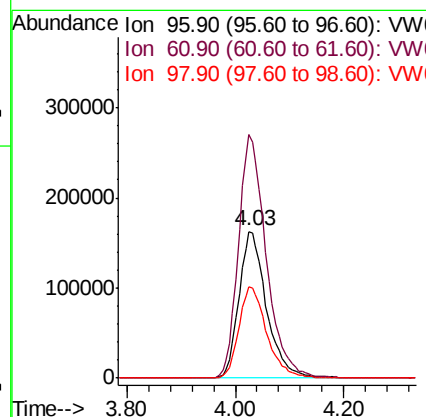
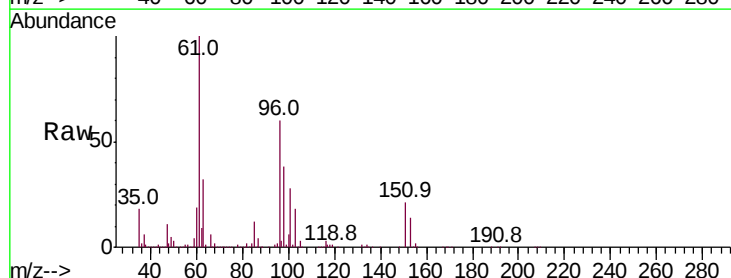
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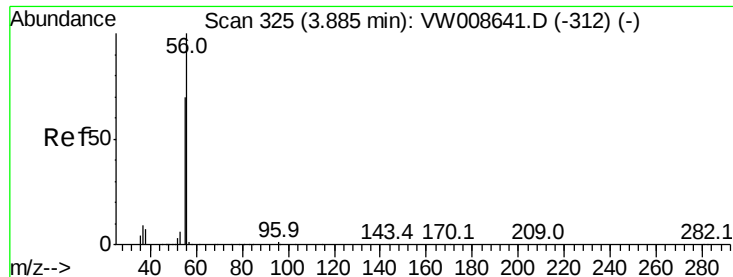
MMDadoda
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#12
1,1-Dichloroethene
Concen: 139.579 ug/l
RT: 4.03 min Scan# 348
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	96	Resp	573751
Ion Ratio	100	Lower	Upper
61	166.2	129.8	194.6
98	62.6	49.3	73.9





#13

Acrolein

Concen: 708.608 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 255697

Ion Ratio Lower Upper

56 100

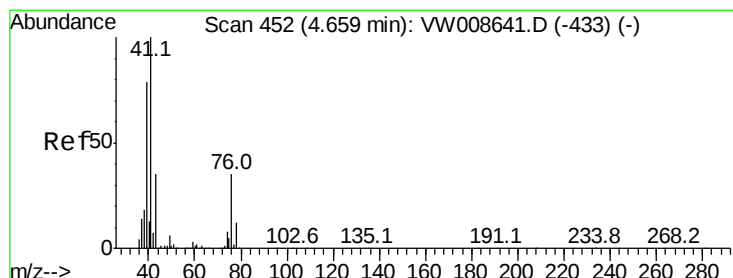
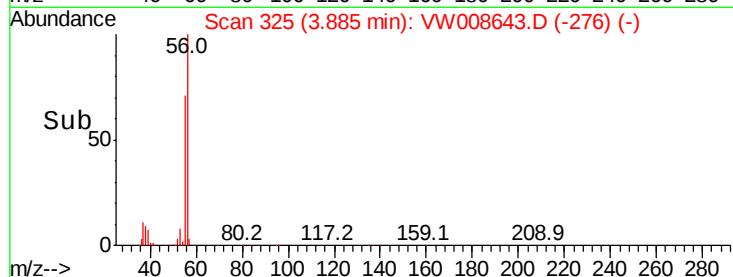
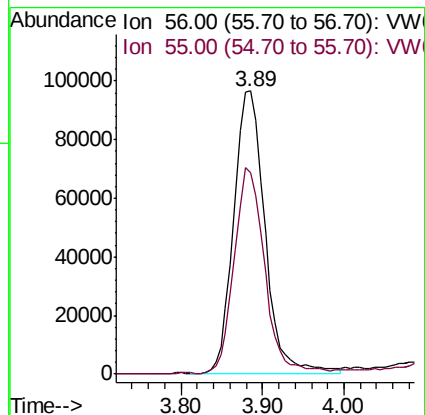
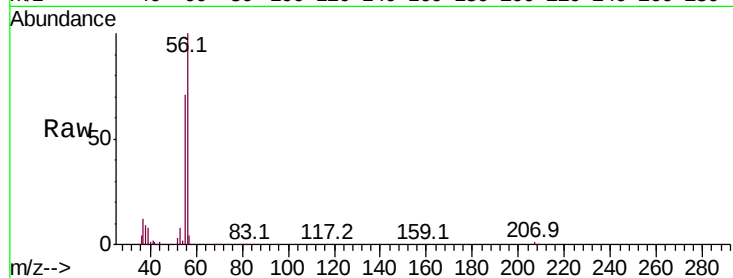
55 70.5 57.4 86.2

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#14

Allyl chloride

Concen: 145.420 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

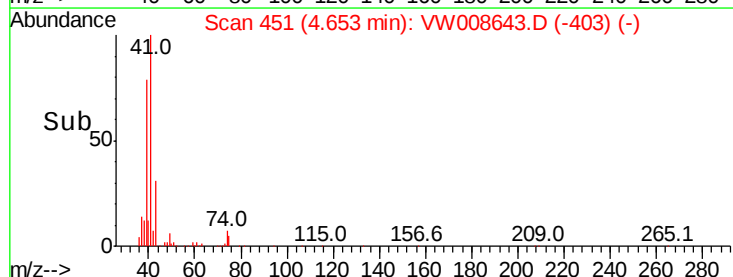
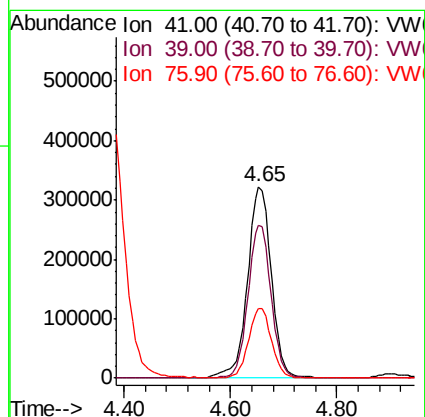
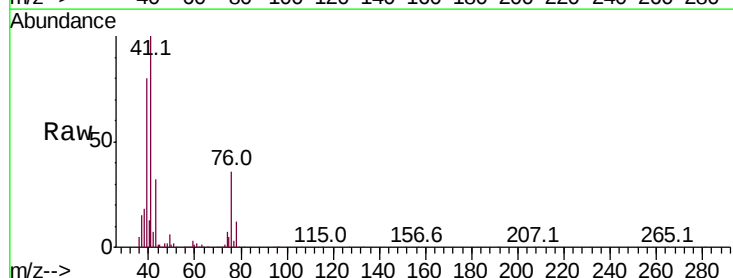
Tgt Ion: 41 Resp: 993137

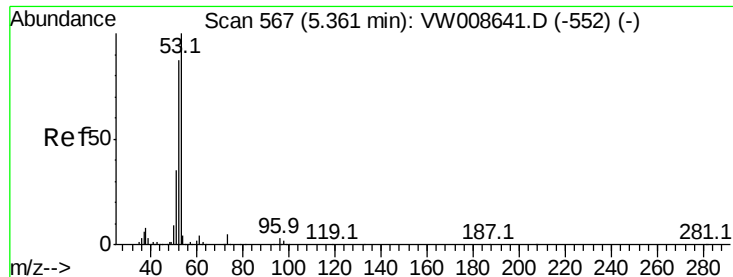
Ion Ratio Lower Upper

41 100

39 77.6 61.7 92.5

76 34.6 27.7 41.5





#15

Acrylonitrile

Concen: 744.643 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

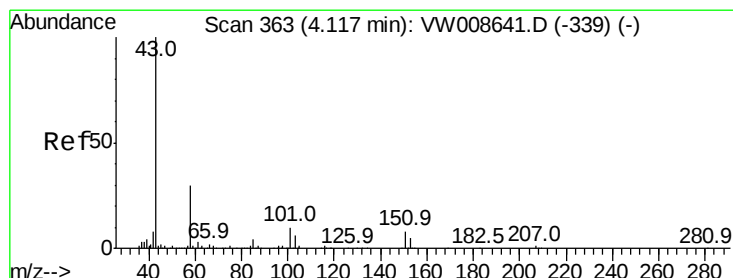
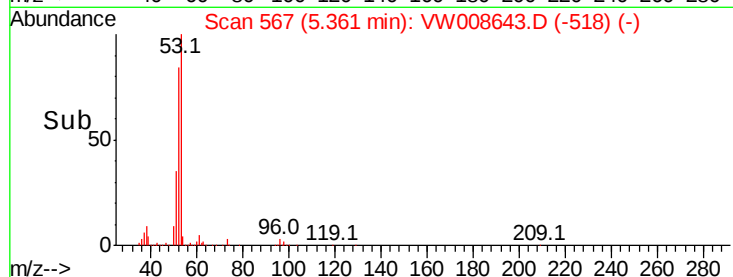
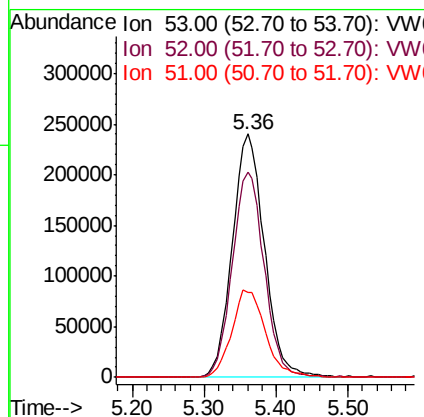
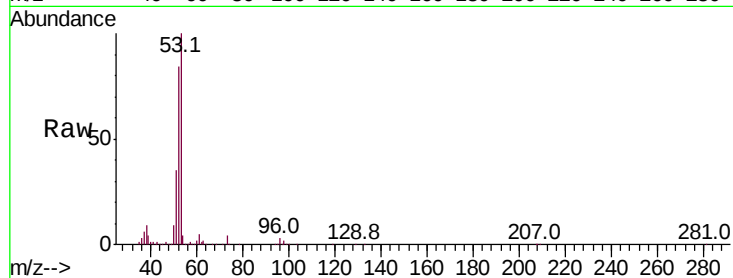
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	743922
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.8	100.2
51	37.8	29.4	44.0

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#16

Acetone

Concen: 748.980 ug/l

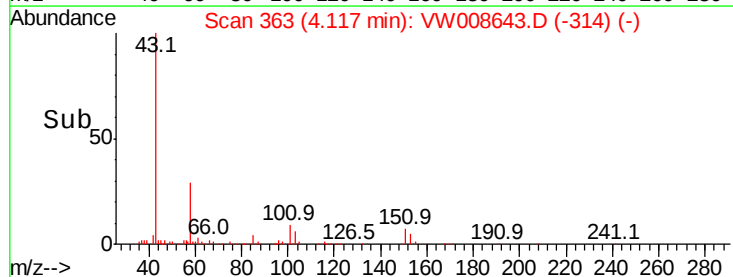
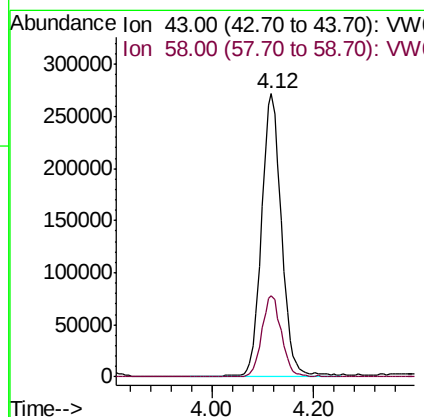
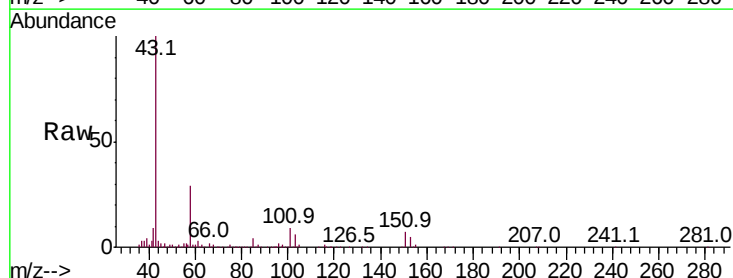
RT: 4.12 min Scan# 363

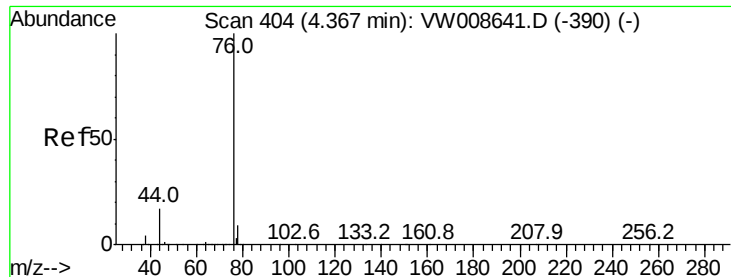
Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion:	43	Resp:	743496
Ion Ratio	Lower	Upper	
43	100		
58	28.5	24.1	36.1





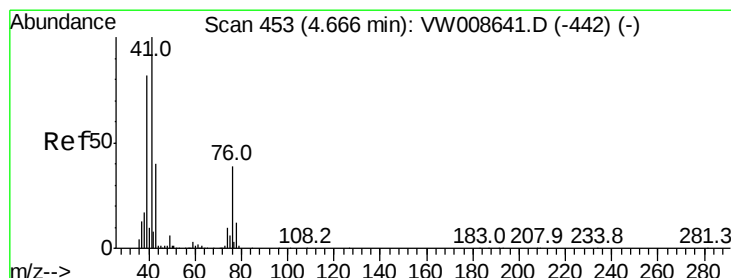
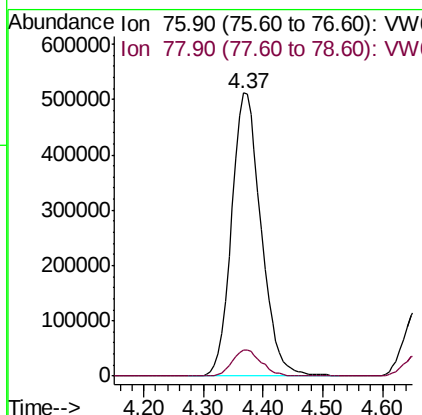
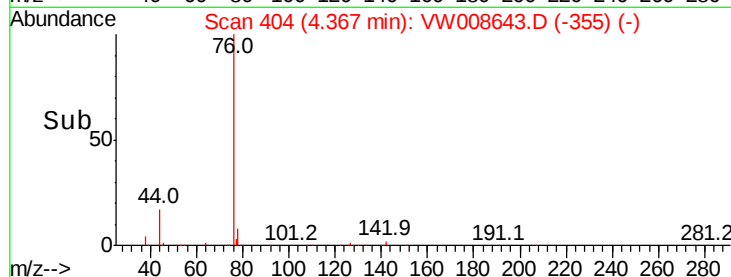
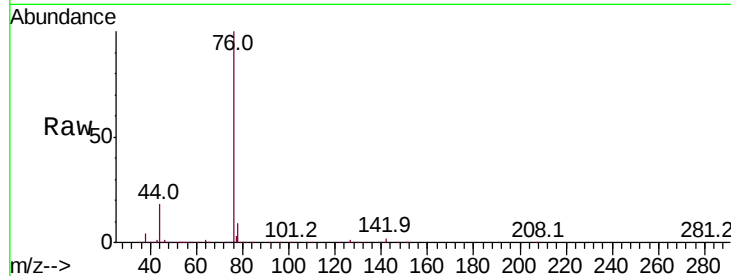
#17
Carbon Disulfide
Concen: 142.038 ug/l
RT: 4.37 min Scan# 404
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 76 Resp: 1761961
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

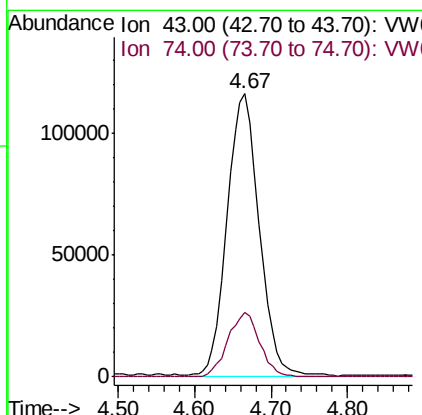
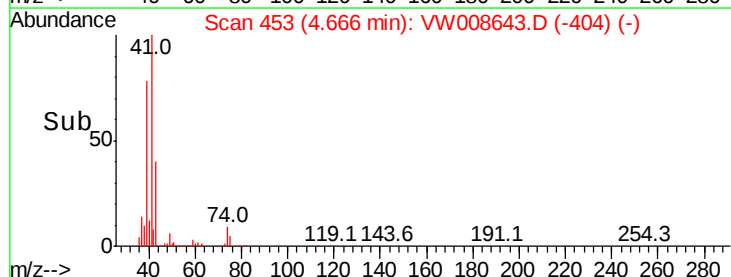
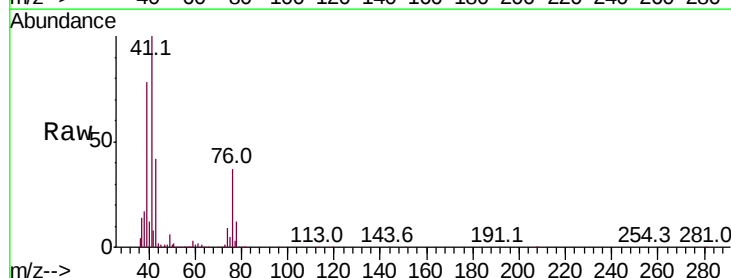
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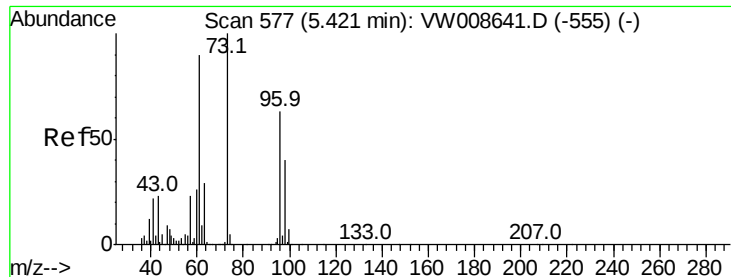
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#18
Methyl Acetate
Concen: 147.814 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion: 43 Resp: 336455
Ion Ratio Lower Upper
43 100
74 22.7 19.0 28.4





#19

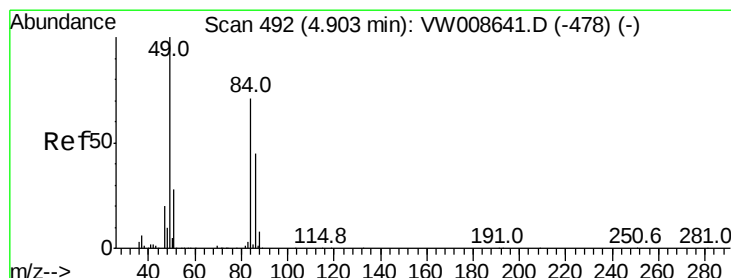
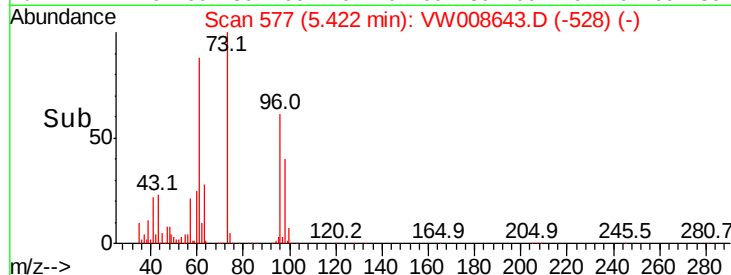
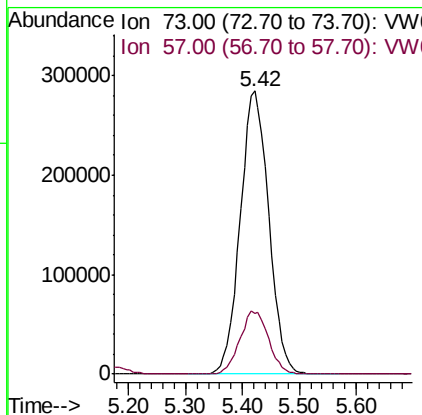
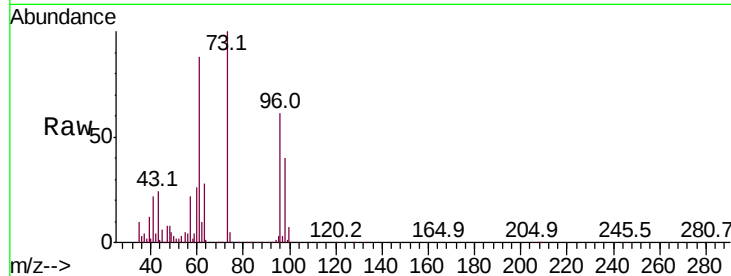
Methyl tert-butyl Ether
 Concen: 137.732 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.2	27.2

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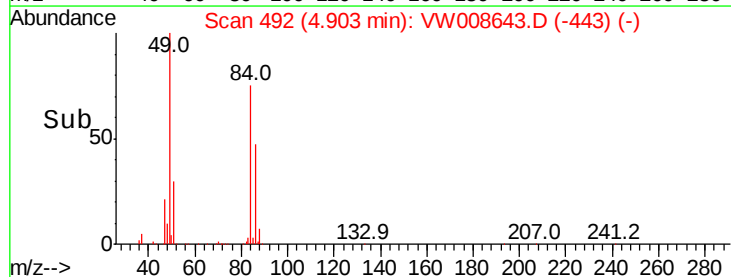
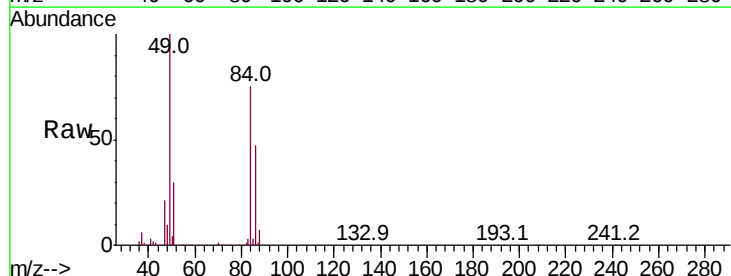
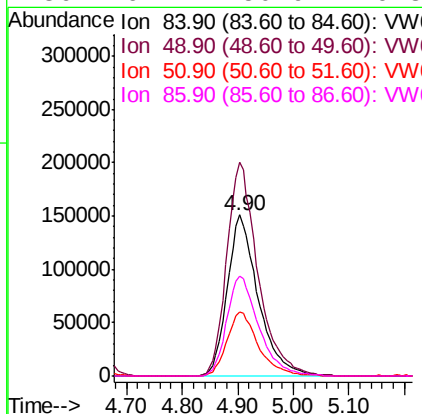
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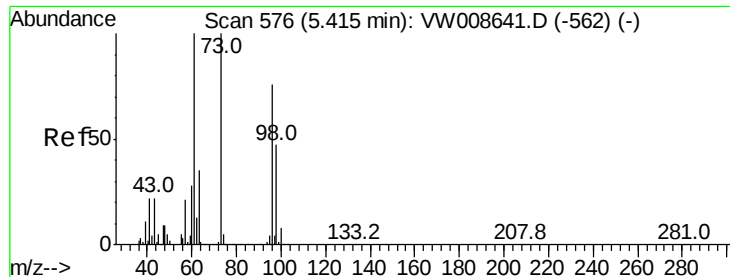


#20

Methylene Chloride
 Concen: 101.785 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.9	113.3	169.9
51	39.6	32.1	48.1
86	62.1	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 138.727 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

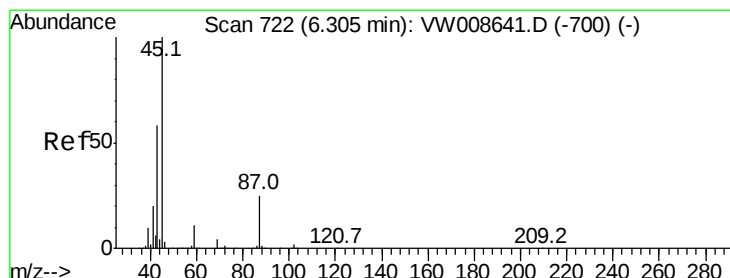
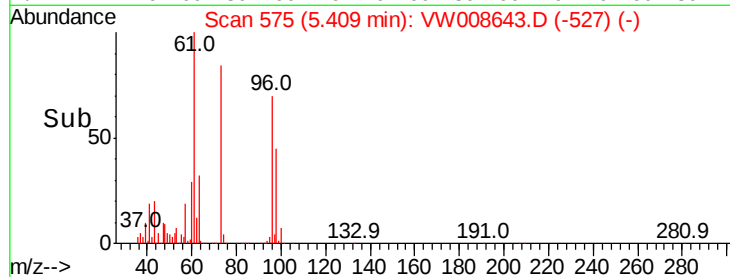
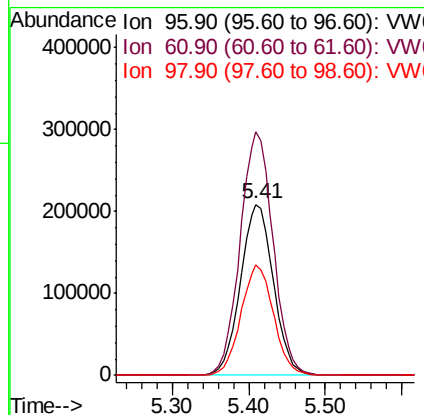
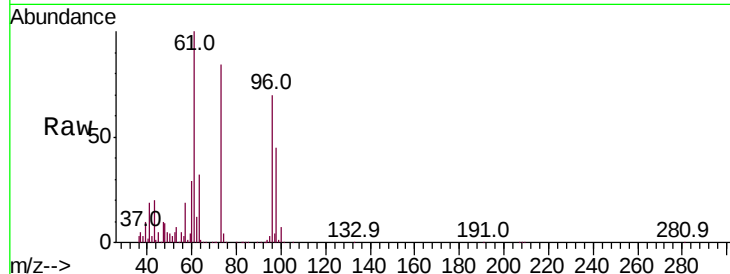
ClientSampleId :

VSTDICC150

Tot Ion:	96	Resp:	624498
Ion Ratio	Lower	Upper	
96	100		
61	142.1	105.9	158.9
98	64.2	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 147.998 ug/l

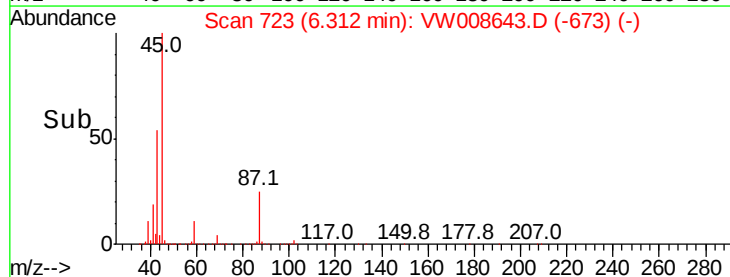
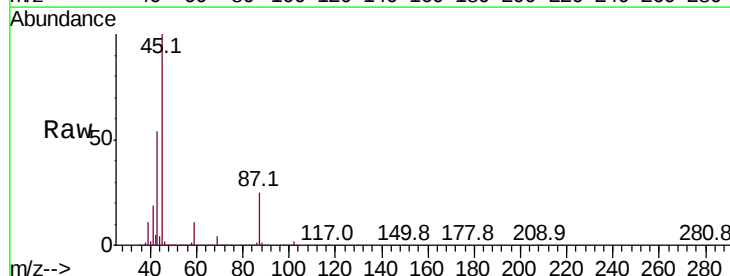
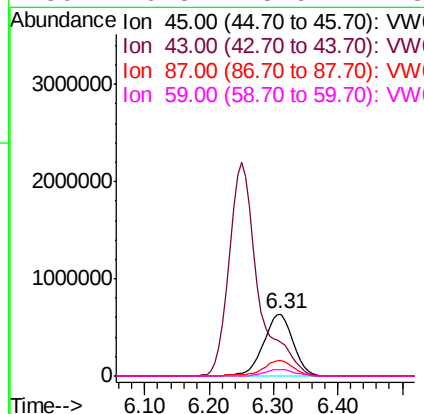
RT: 6.31 min Scan# 723

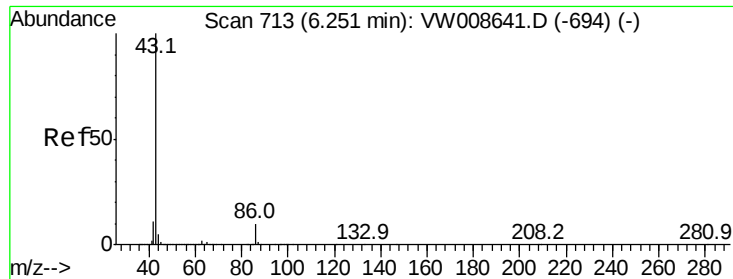
Delta R.T. 0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion:	45	Resp:	2034294
Ion Ratio	Lower	Upper	
45	100		
43	54.1	46.1	69.1
87	24.6	20.5	30.7
59	10.8	8.6	12.8





#23

Vinyl Acetate

Concen: 782.638 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6981940

Ion Ratio Lower Upper

43 100

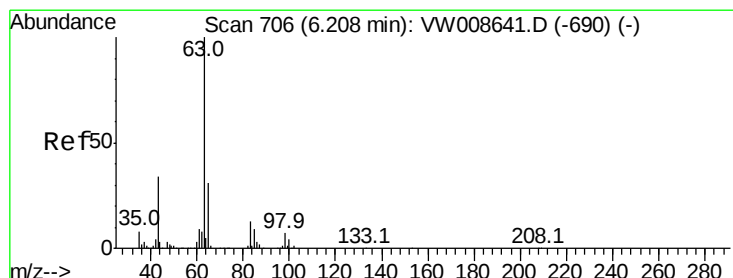
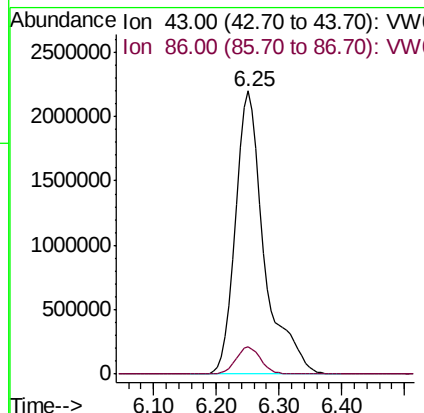
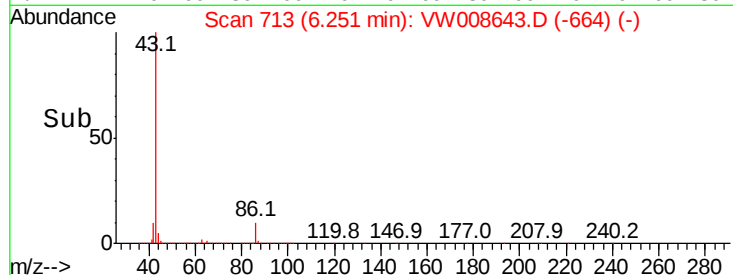
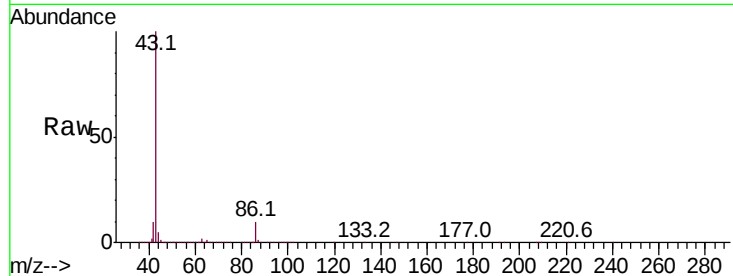
86 9.5

7.9 11.9

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#24

1,1-Dichloroethane

Concen: 141.761 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion: 63 Resp: 1124398

Ion Ratio Lower Upper

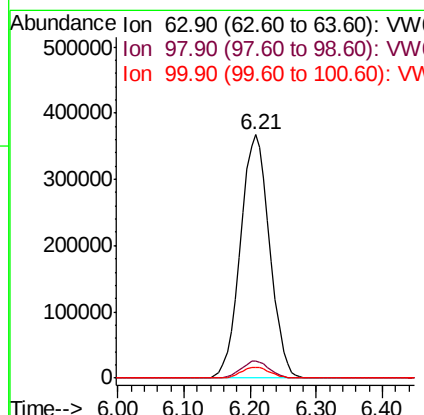
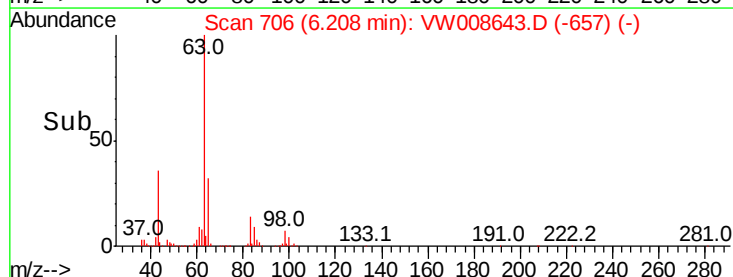
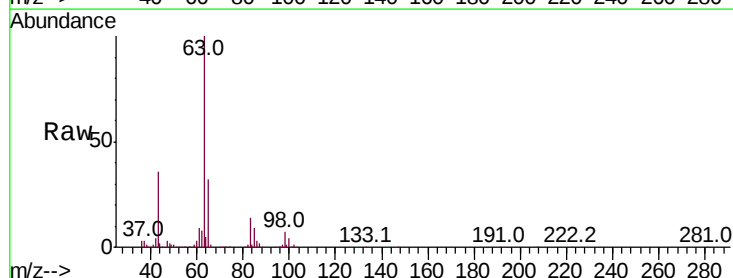
63 100

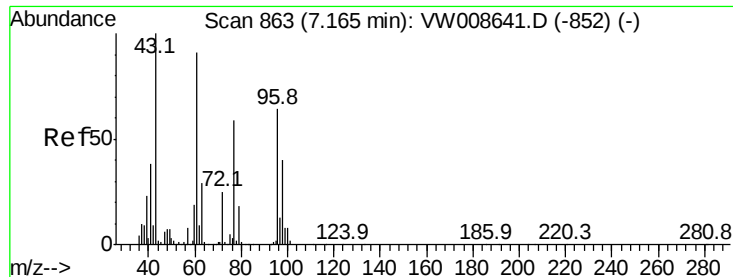
98 7.0

3.6 10.8

100 4.5

2.2 6.6





#25

2-Butanone

Concen: 778.167 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1094538

Ion Ratio Lower Upper

43 100

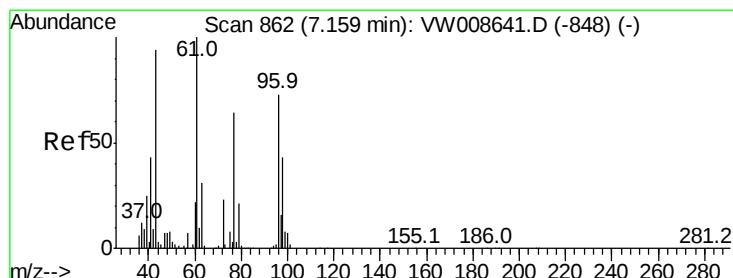
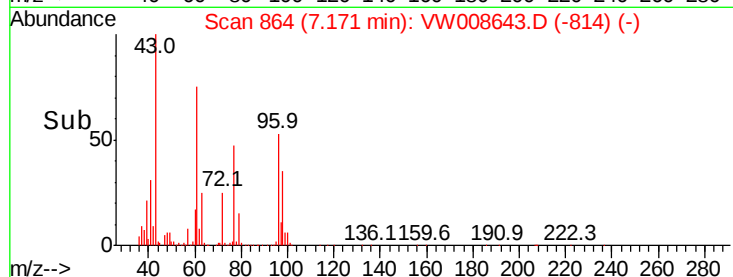
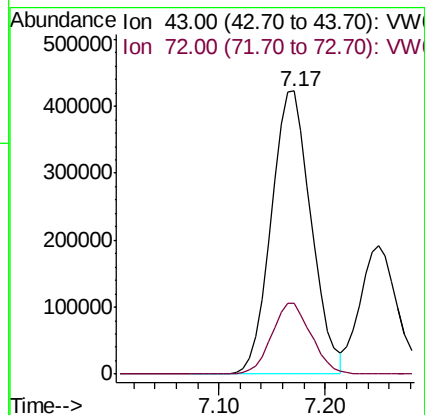
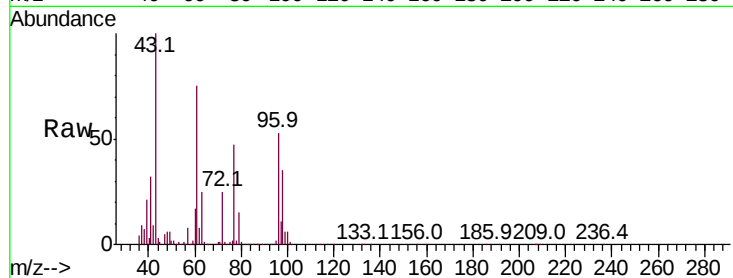
72 24.8 19.7 29.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 137.322 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008643.D

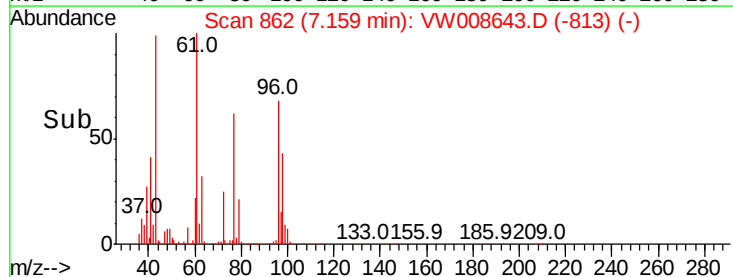
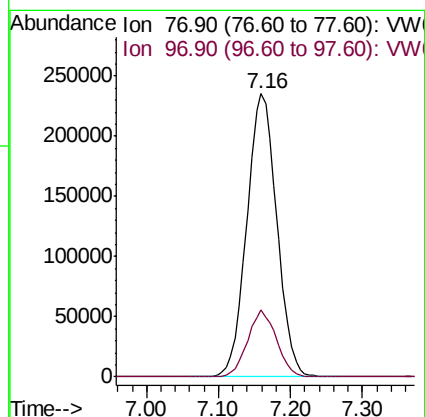
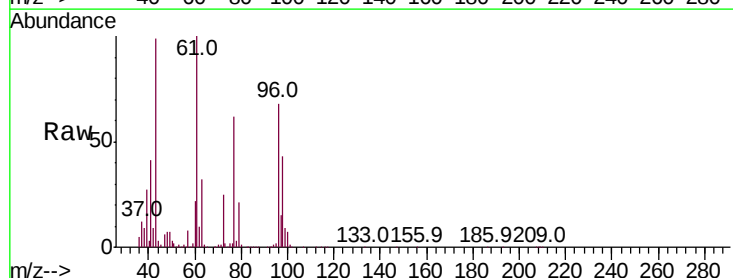
Acq: 13 Feb 2019 16:29

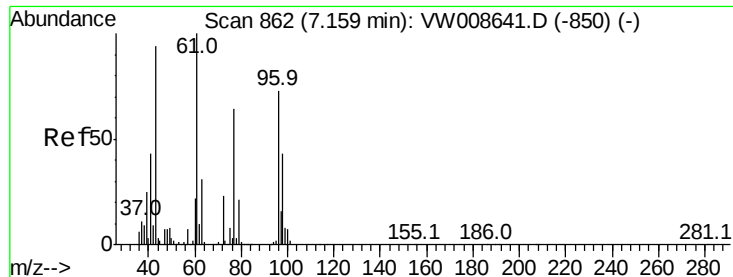
Tgt Ion: 77 Resp: 680427

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0





#27

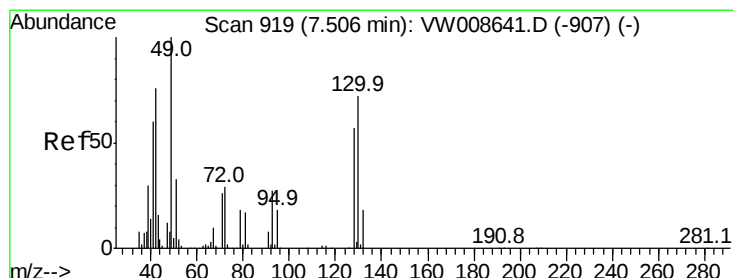
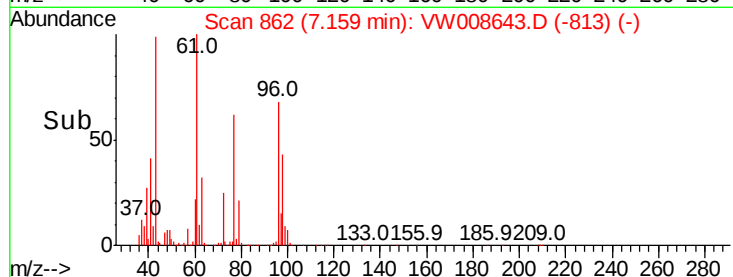
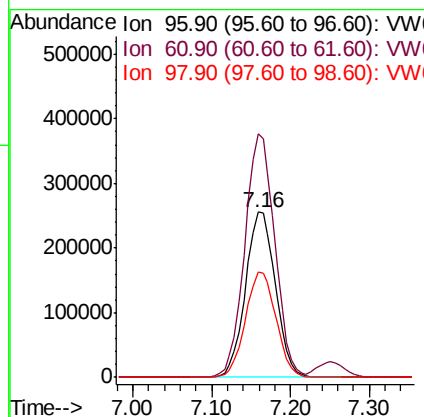
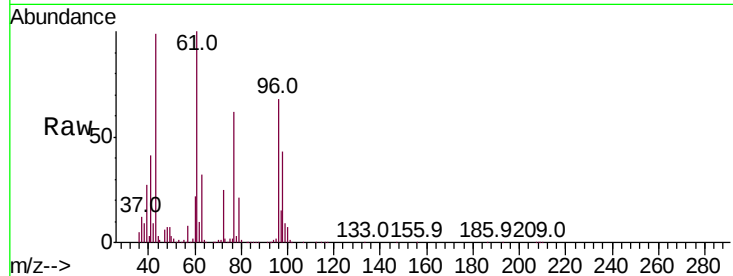
cis-1,2-Dichloroethene
Concen: 139.073 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	676975		
61	147.4	0.0	286.4	
98	64.6	0.0	125.0	

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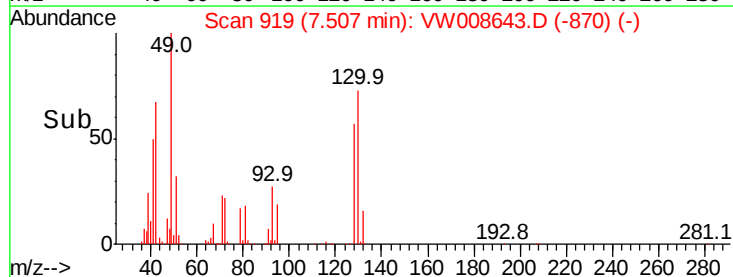
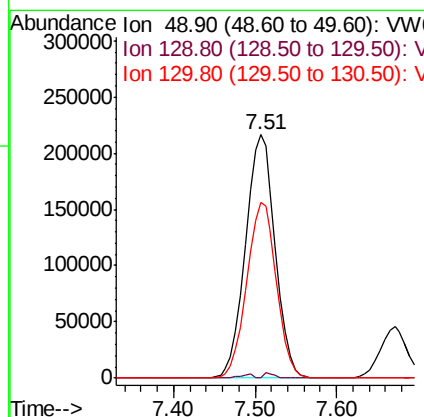
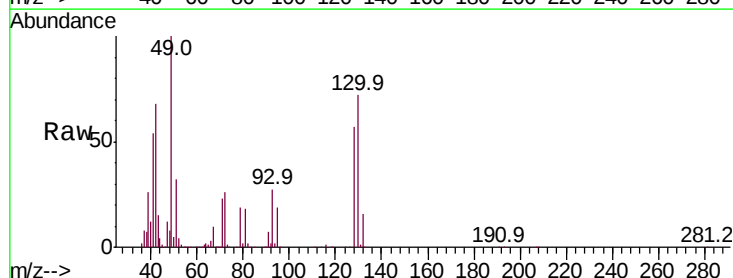
MMDadoda
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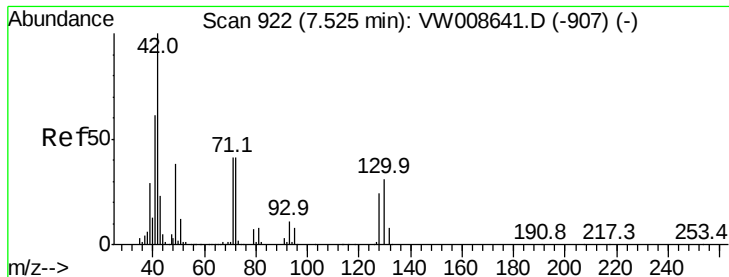


#28

Bromochloromethane
Concen: 162.944 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	545584		
129	0.8	0.0	3.2	
130	72.3	59.4	89.0	





#29

Tetrahydrofuran

Concen: 771.254 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

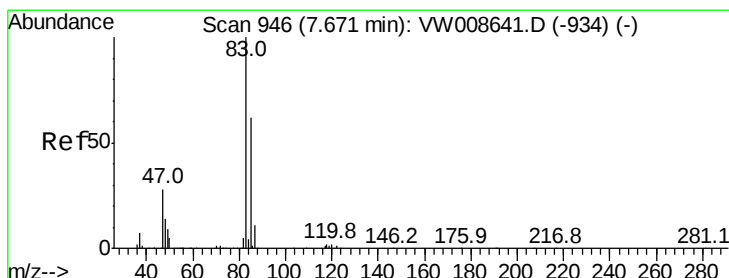
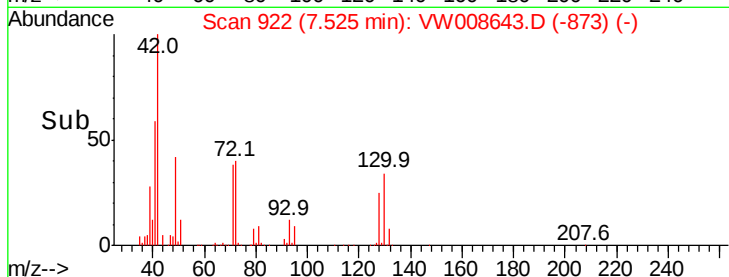
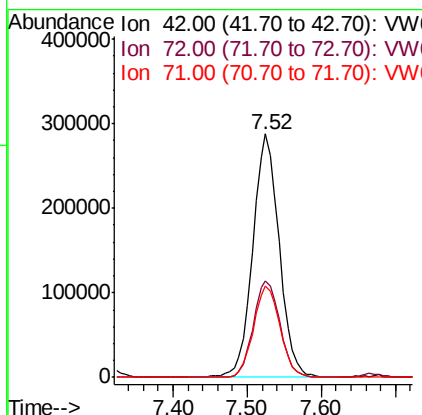
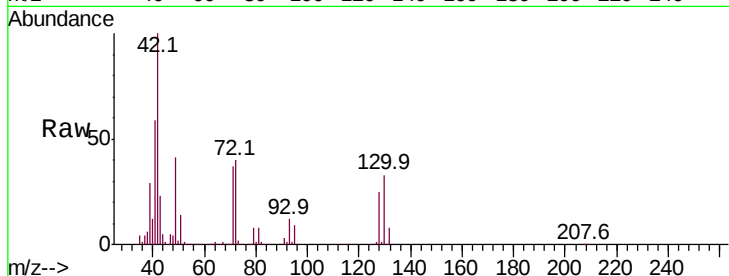
ClientSampleId :

VSTDIC150

Tot Ion:	42	Resp:	715019
Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.2	48.2
71	37.8	31.0	46.6

Manual Integrations
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#30

Chloroform

Concen: 143.429 ug/l

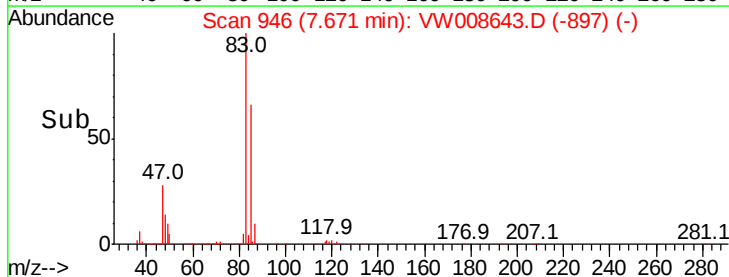
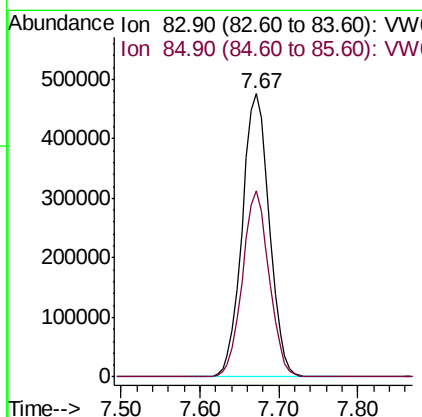
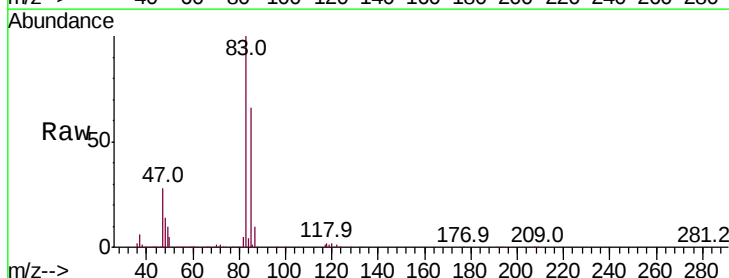
RT: 7.67 min Scan# 946

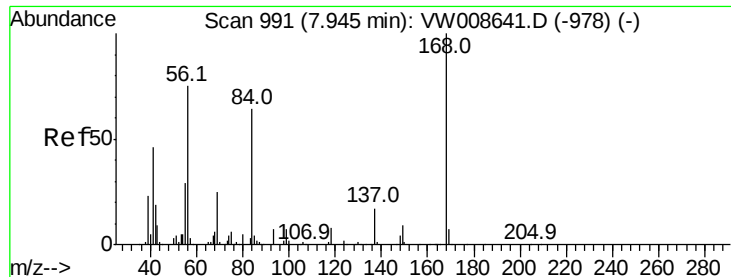
Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion:	83	Resp:	1139913
Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.8	74.8





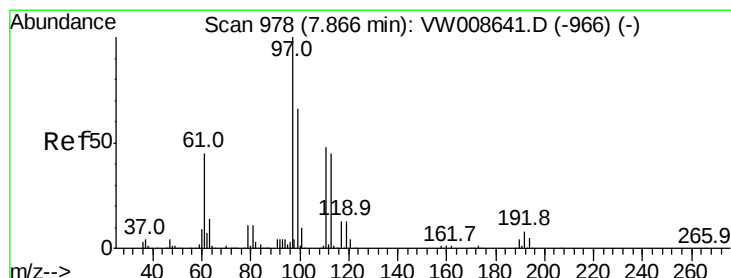
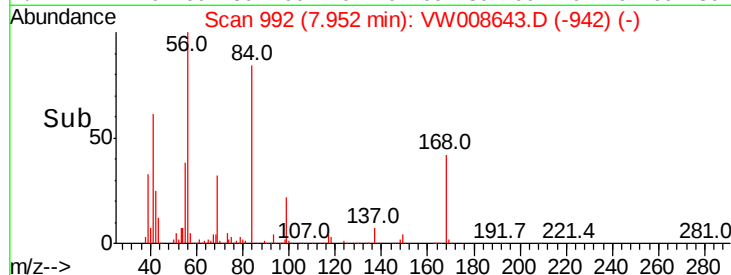
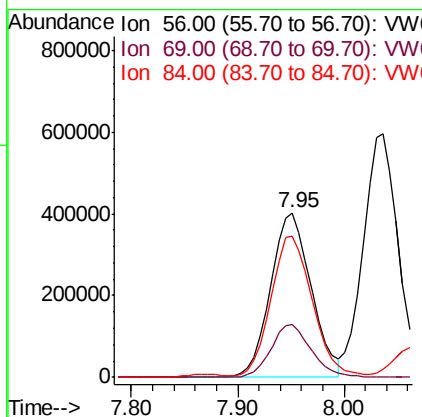
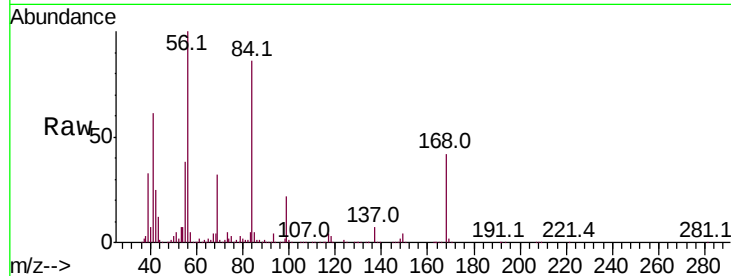
#31
Cyclohexane
Concen: 132.427 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 1060169
Ion Ratio Lower Upper
56 100
69 31.8 26.4 39.6
84 84.7 67.4 101.2

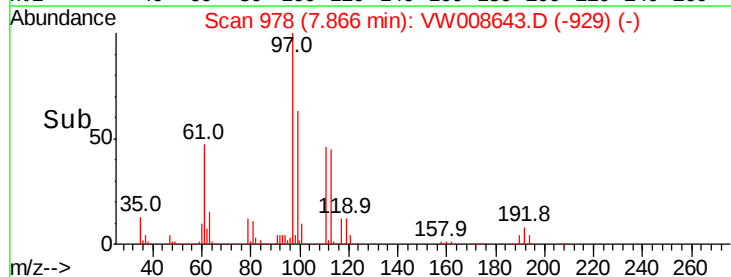
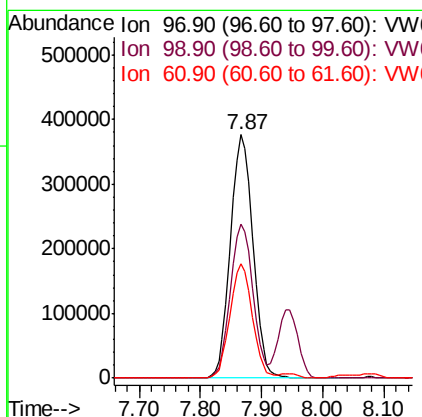
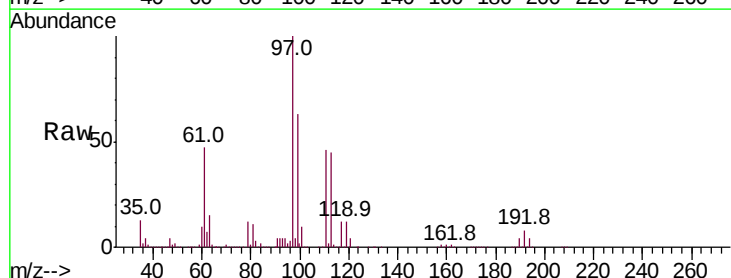
Manual Integrations
APPROVED

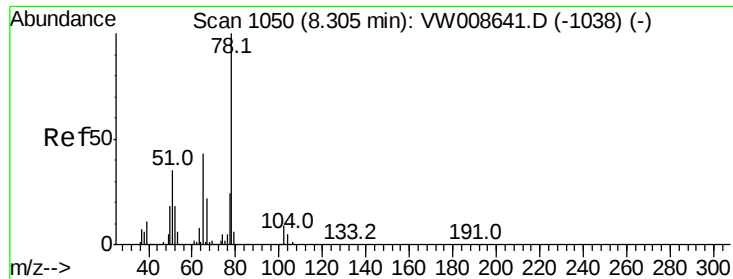
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#32
1,1,1-Trichloroethane
Concen: 141.594 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion: 97 Resp: 950393
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 46.4 35.8 53.6





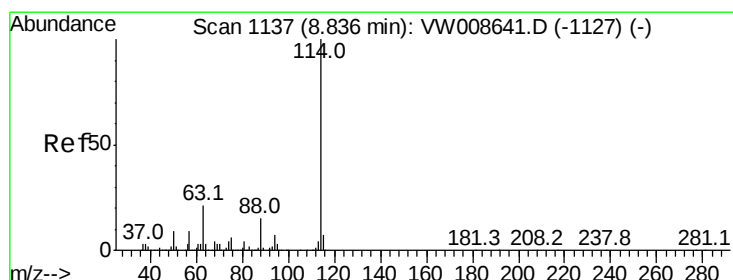
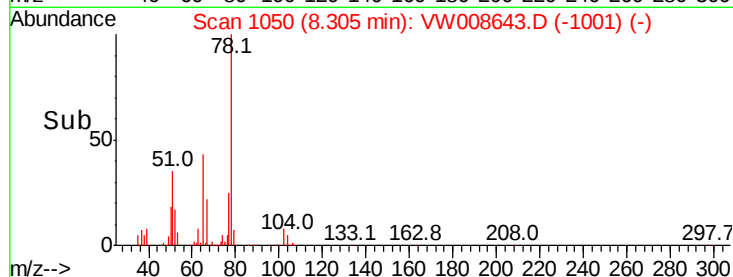
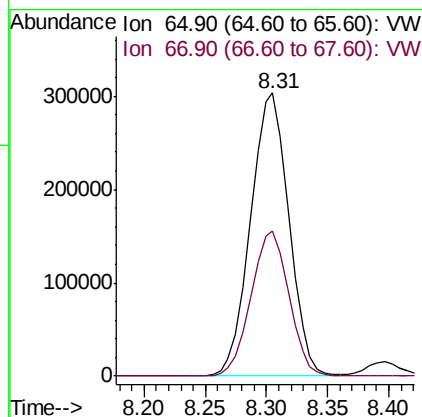
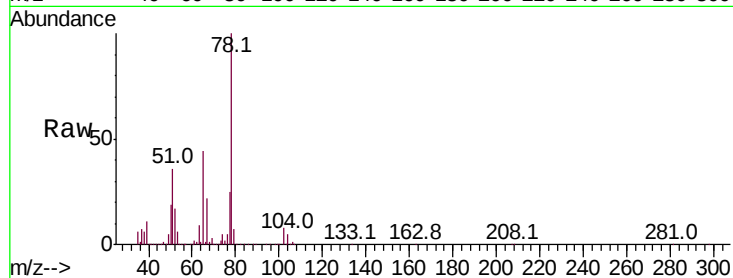
#33
 1,2-Dichloroethane-d4
 Concen: 151.518 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	663255		
67	50.8	0.0	102.0	

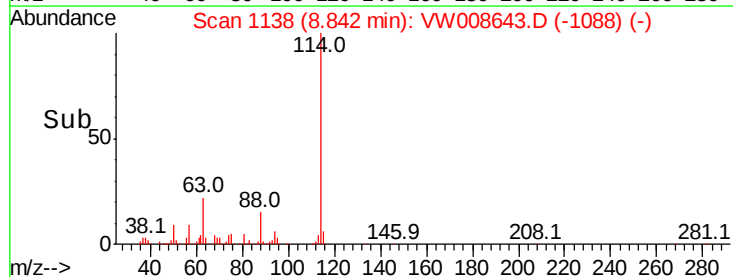
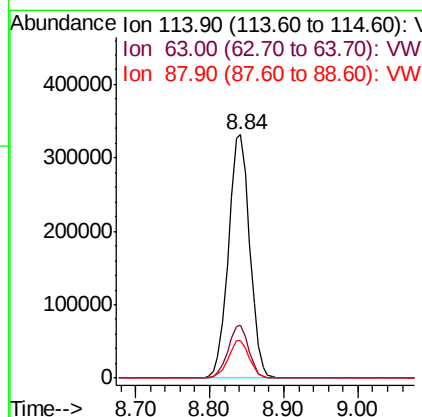
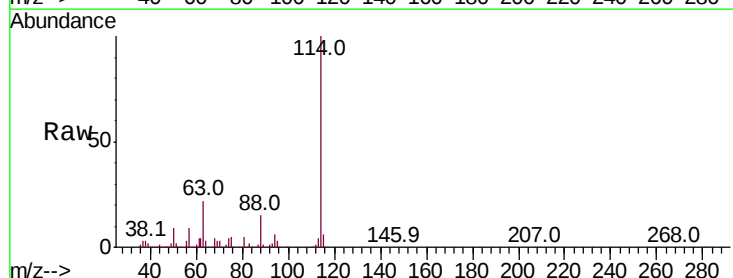
Manual Integrations
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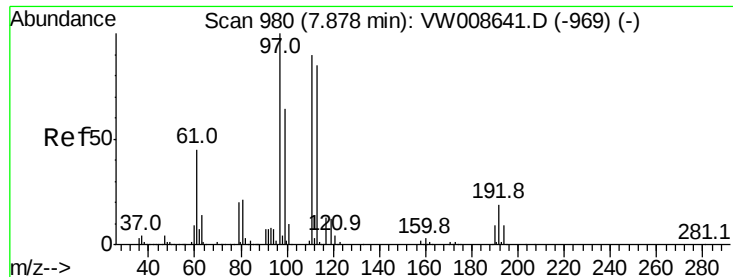
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	660741		
63	21.7	0.0	41.2	
88	15.3	0.0	29.6	





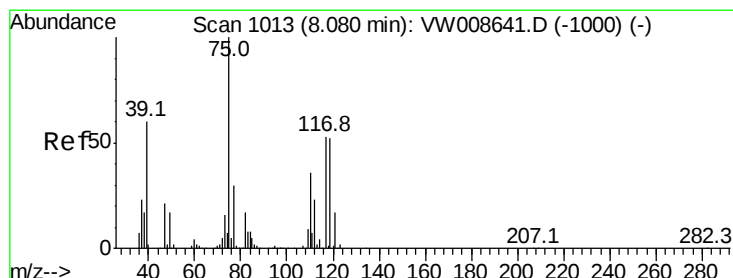
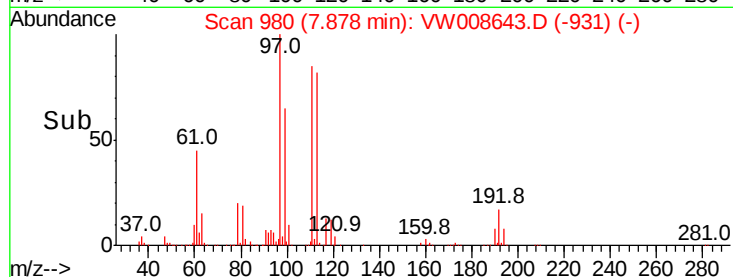
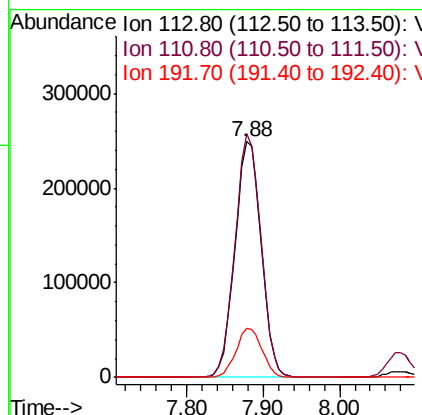
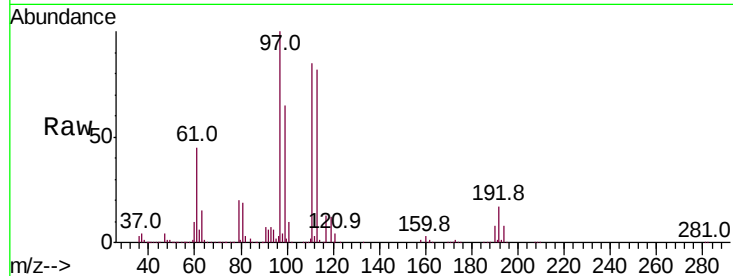
#35
 Dibromofluoromethane
 Concen: 144.429 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	592562		
111	102.2	84.0	126.0	
192	20.8	17.4	26.2	

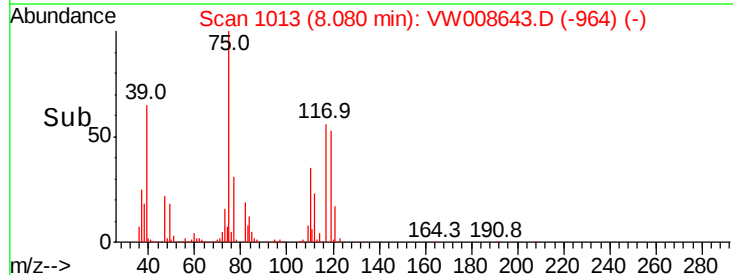
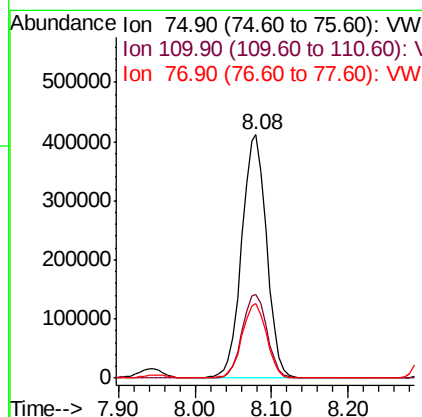
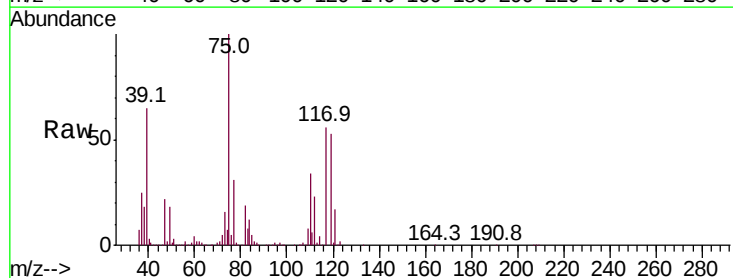
Manual Integrations
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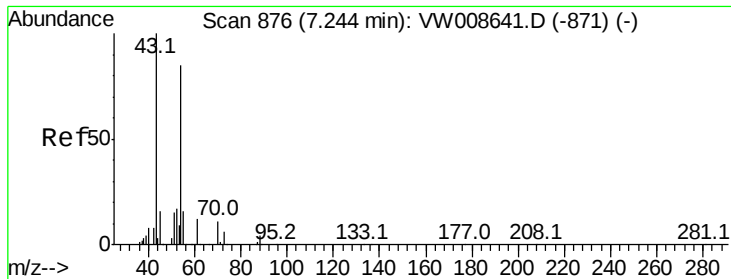
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#36
 1,1-Dichloropropene
 Concen: 139.334 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	924943		
110	34.6	17.8	53.3	
77	30.7	24.7	37.1	





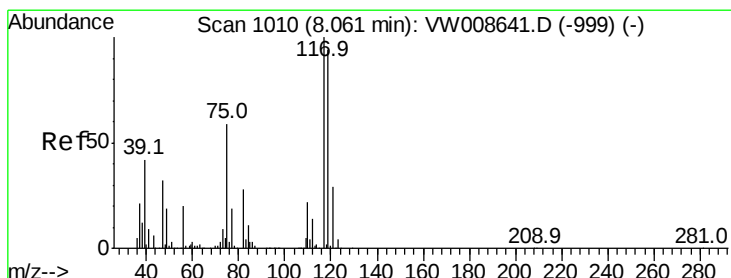
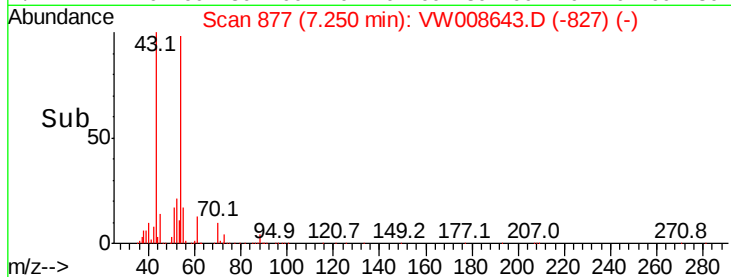
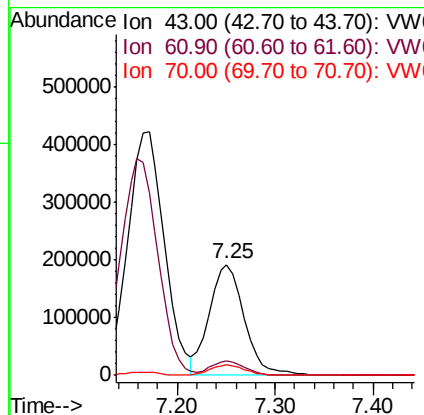
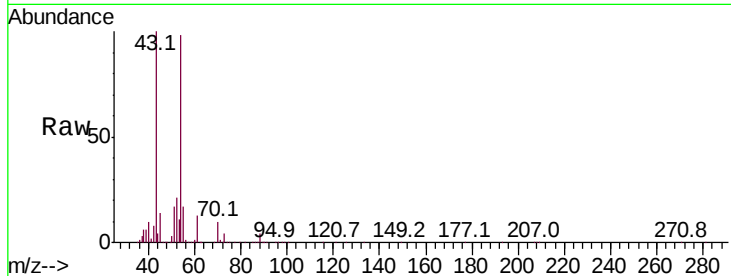
#37
Ethyl Acetate
Concen: 148.351 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.5	15.7
70	9.6	8.1	12.1

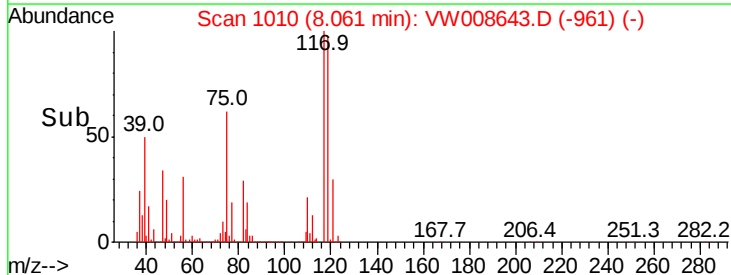
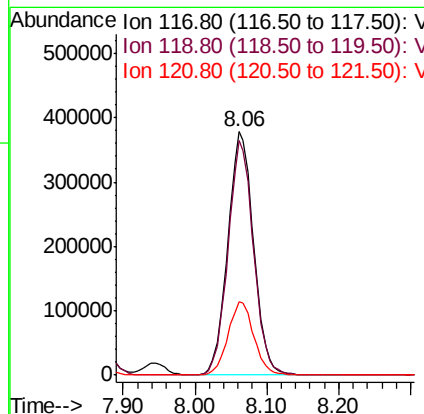
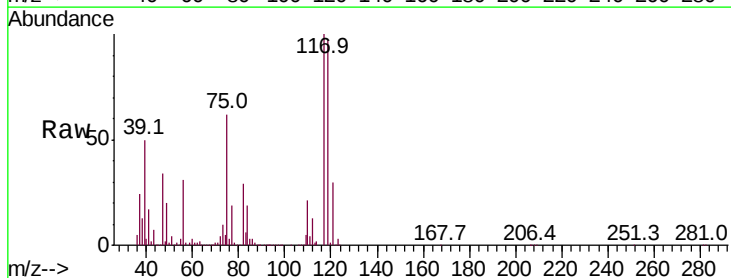
Manual Integrations
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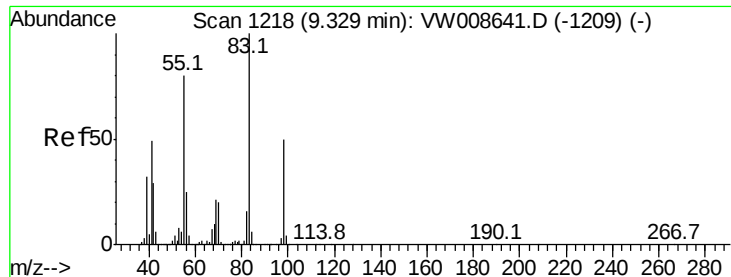
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#38
Carbon Tetrachloride
Concen: 142.394 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.1	112.7
121	30.4	23.5	35.3





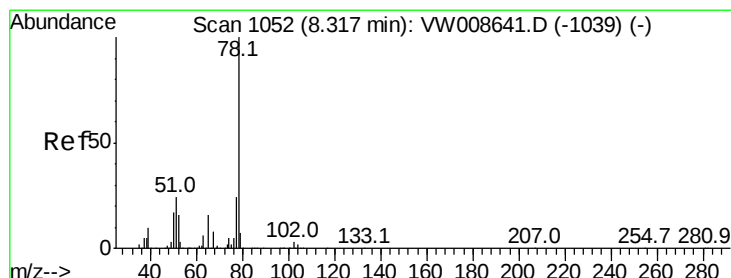
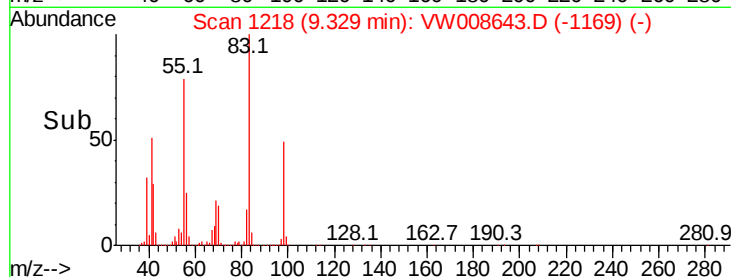
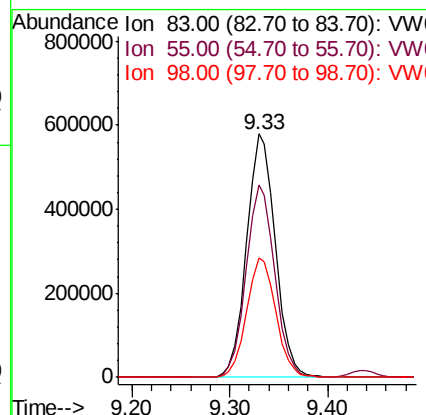
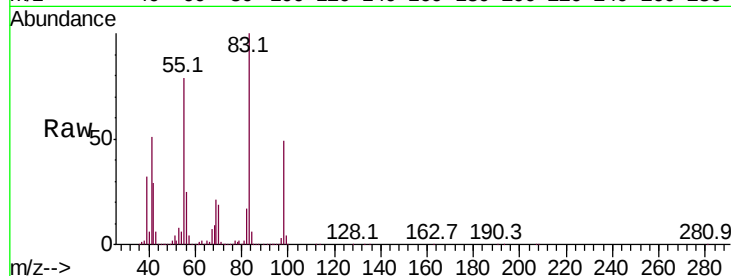
#39
Methvlcvclohexane
Concen: 140.474 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	63.9	95.9
98	49.0	40.2	60.2

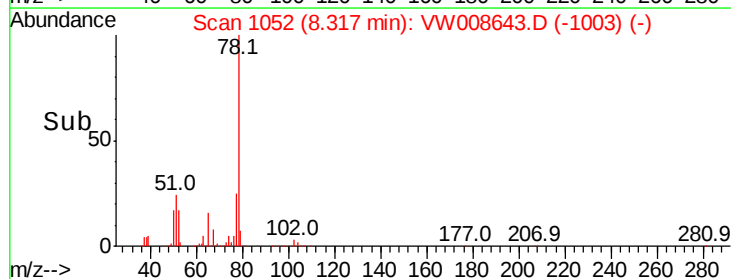
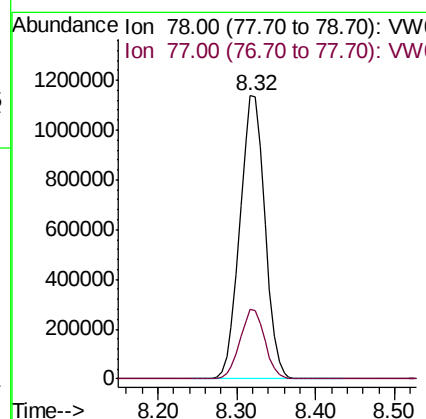
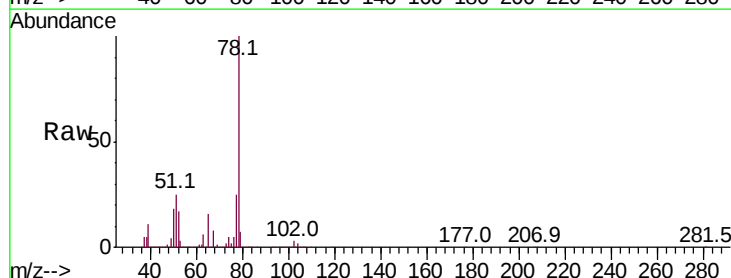
Manual Integrations
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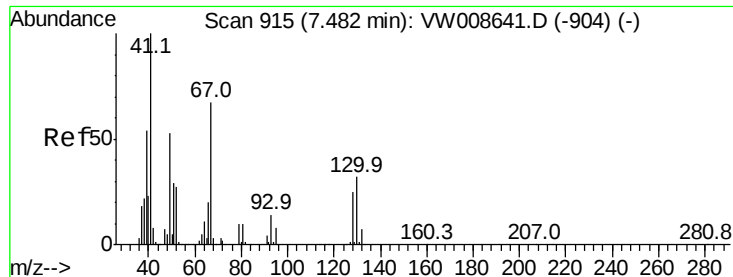
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#40
Benzene
Concen: 138.687 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.5	29.3





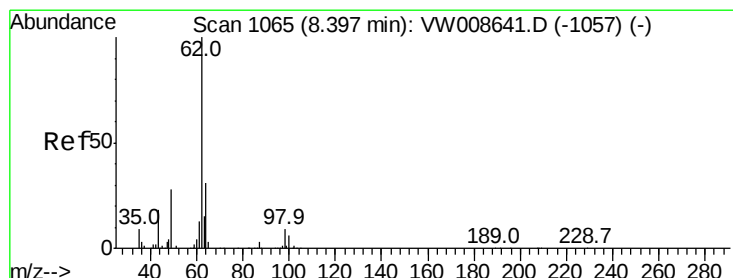
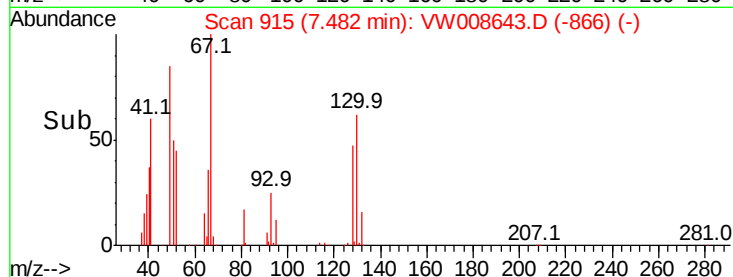
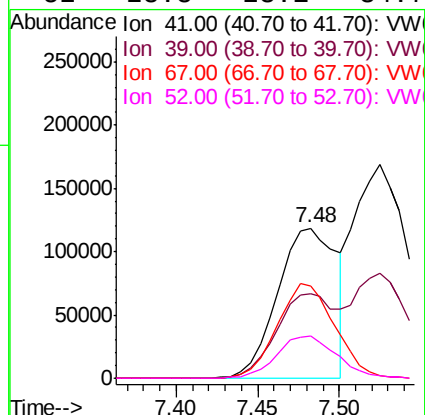
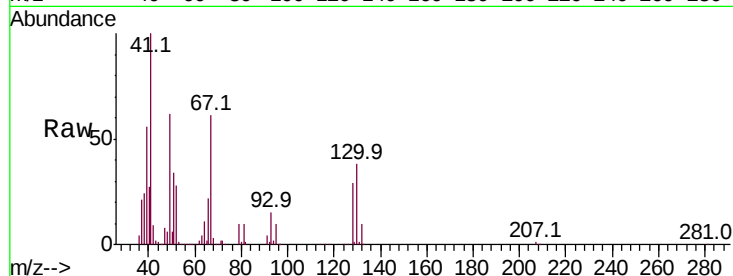
#41
Methacrylonitrile
Concen: 165.335 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampled :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.9	39.7	59.5
67	61.3	52.5	78.7
52	28.8	23.1	34.7

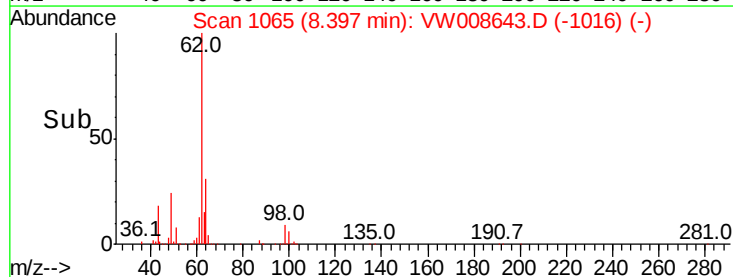
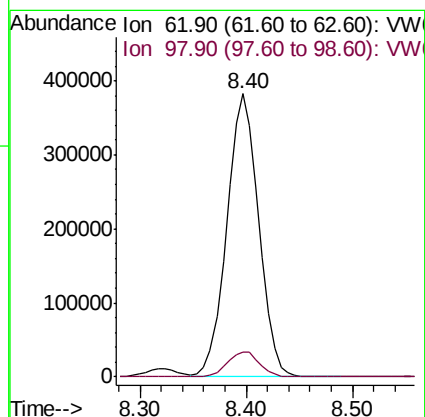
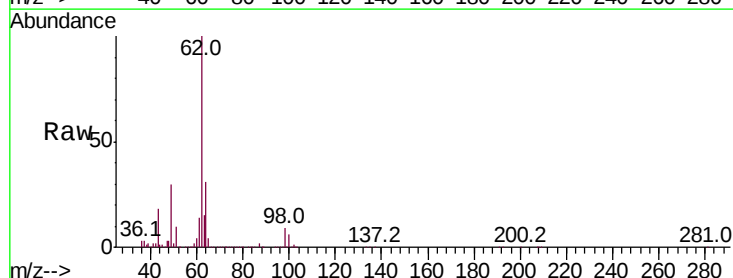
Manual Integrations
APPROVED

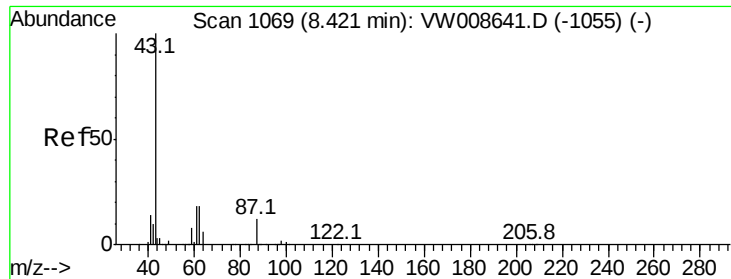
MMDadoda
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#42
1,2-Dichloroethane
Concen: 141.783 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 151.467 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

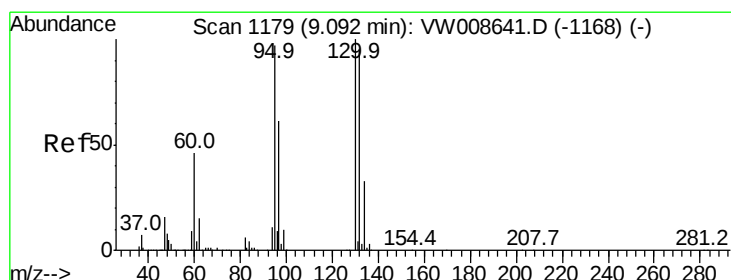
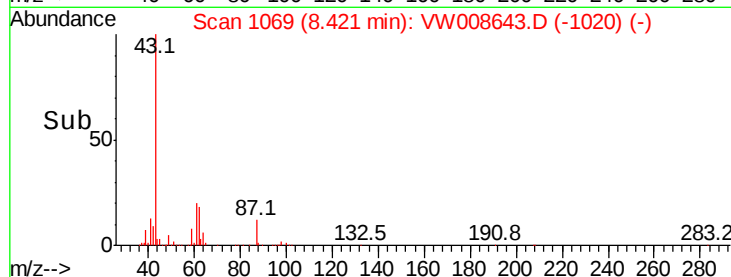
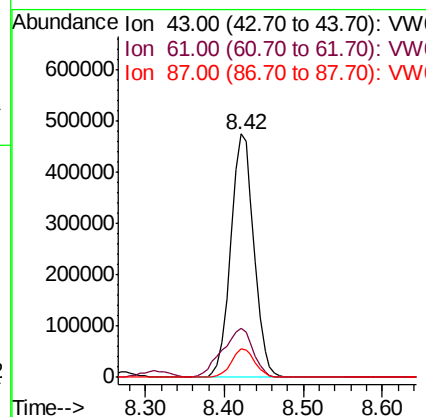
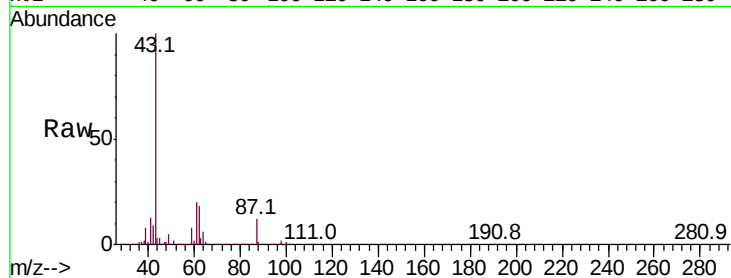
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	967155
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.4	32.2
87	12.0	9.8	14.8

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#44

Trichloroethene

Concen: 137.305 ug/l

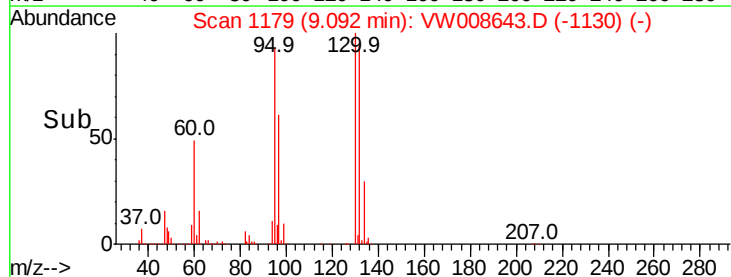
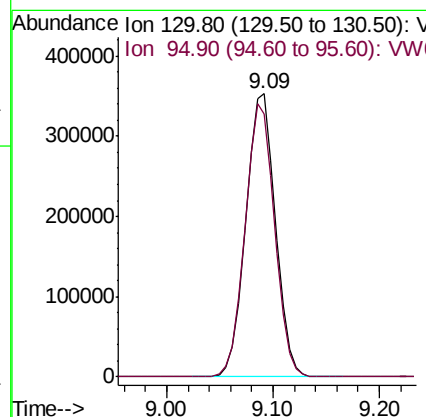
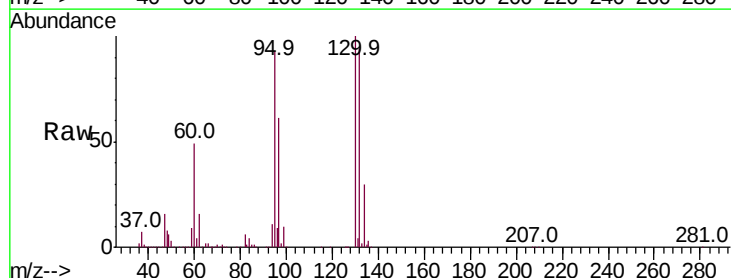
RT: 9.09 min Scan# 1179

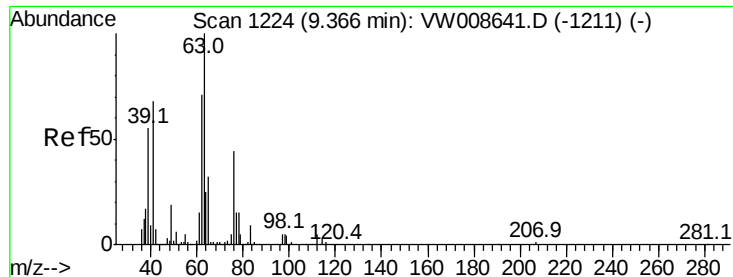
Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion:	130	Resp:	690207
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	193.4





#45

1,2-Dichloropropane

Concen: 138.878 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 623121

Ion Ratio Lower Upper

63 100

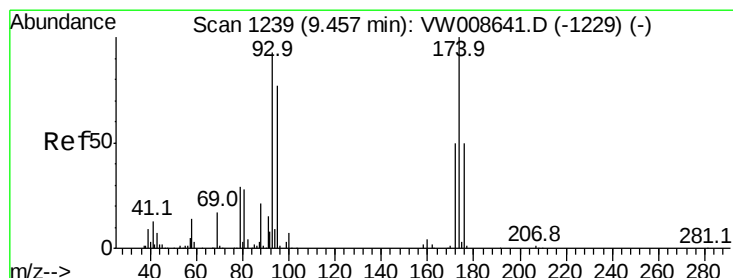
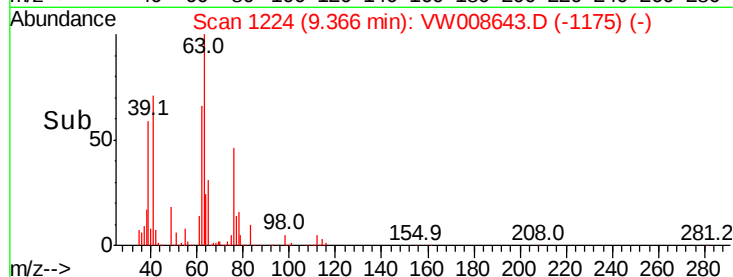
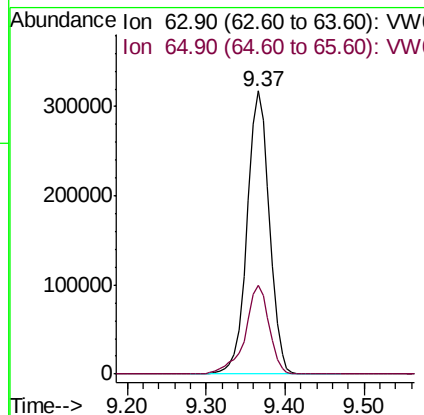
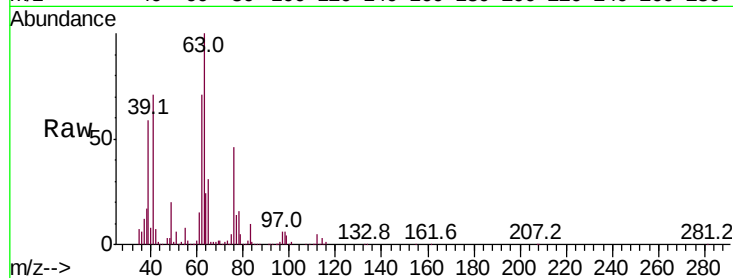
65 31.3 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 140.401 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

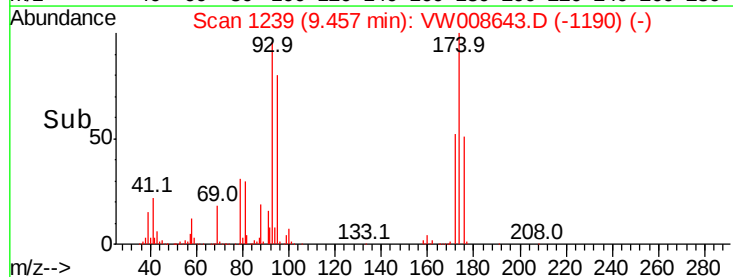
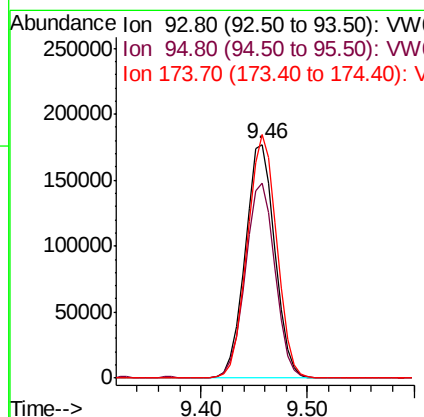
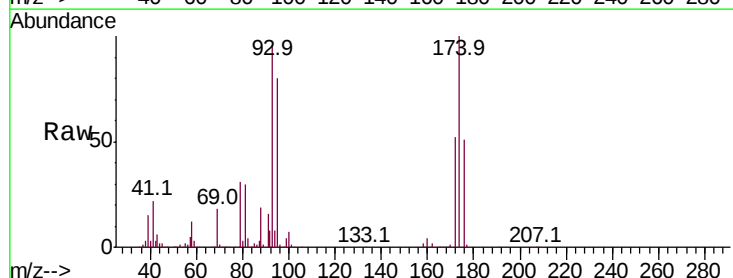
Tgt Ion: 93 Resp: 347018

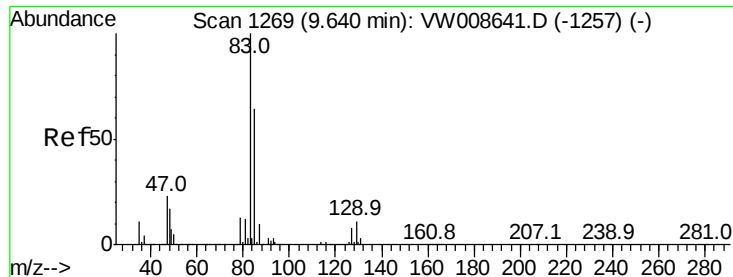
Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.8

174 103.4 82.5 123.7





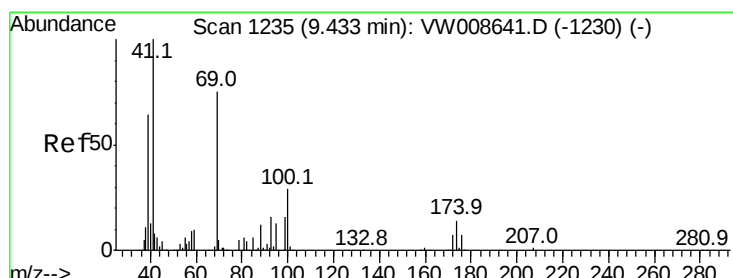
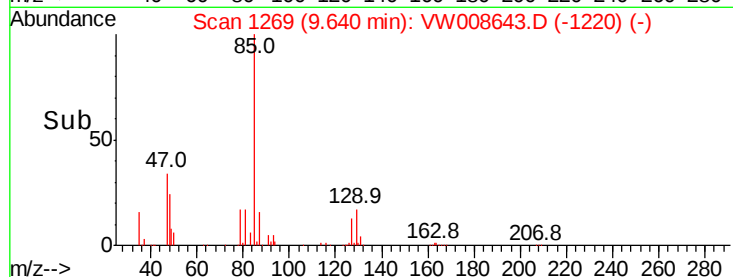
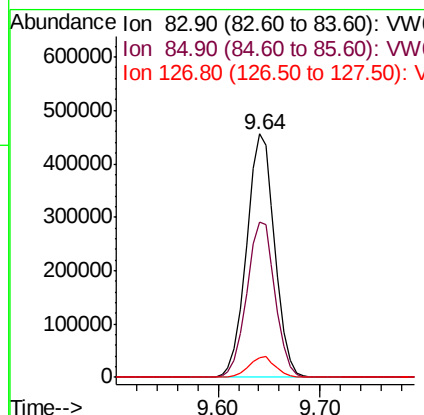
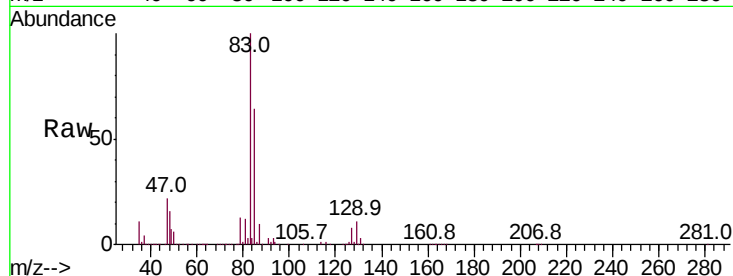
#47
Bromodichloromethane
Concen: 146.099 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	867832		
85	64.1		51.2	76.8
127	8.0		6.4	9.6

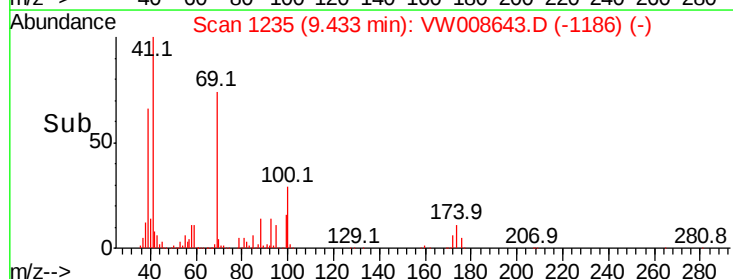
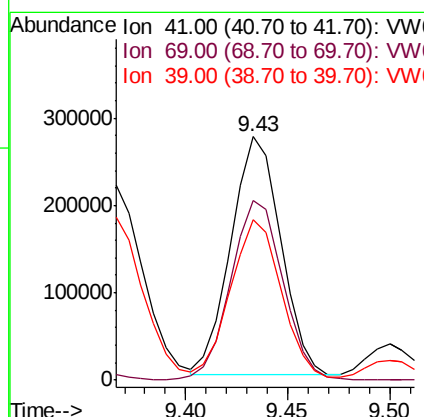
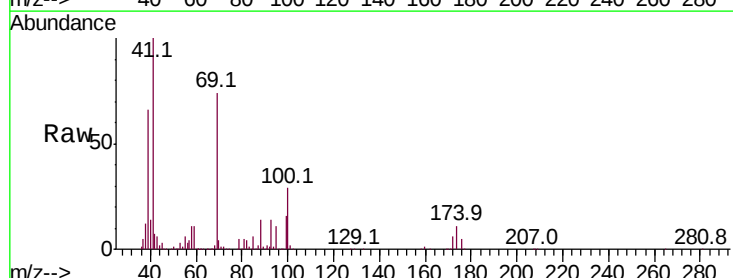
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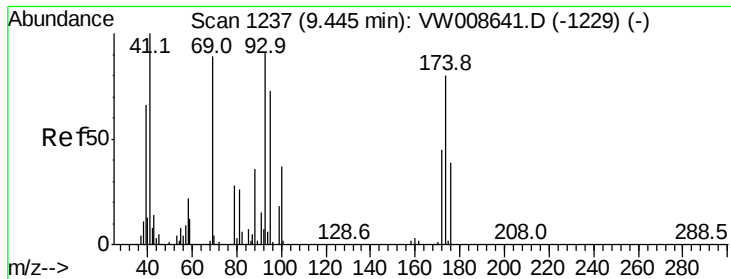
MMDadoda
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#48
Methyl methacrylate
Concen: 156.730 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	463787		
69	79.0		64.1	96.1
39	69.3		52.3	78.5





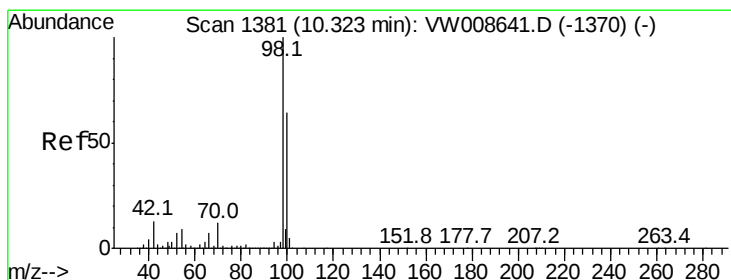
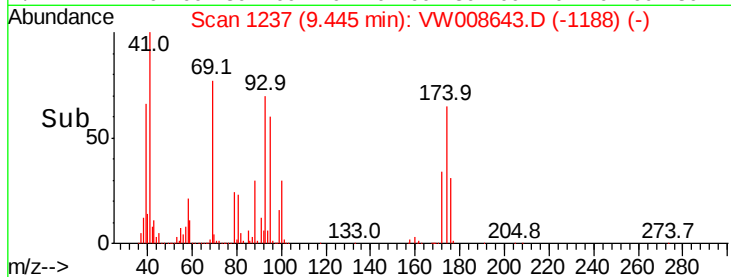
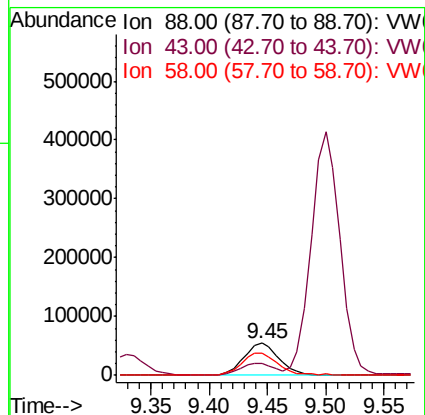
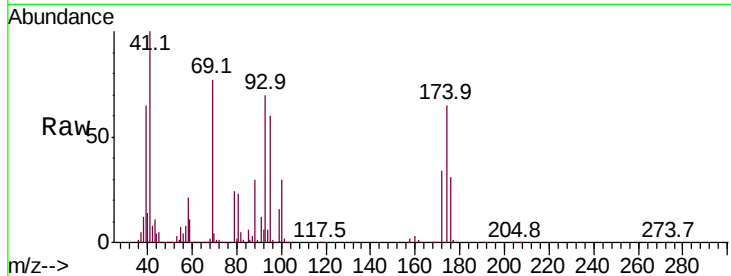
#49
1,4-Dioxane
Concen: 2918.242 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampled :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	31.0	46.6
58	73.1	57.0	85.6

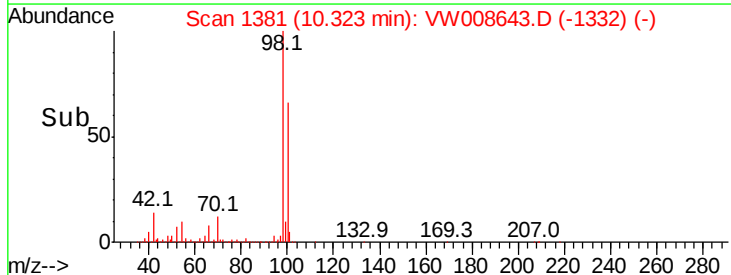
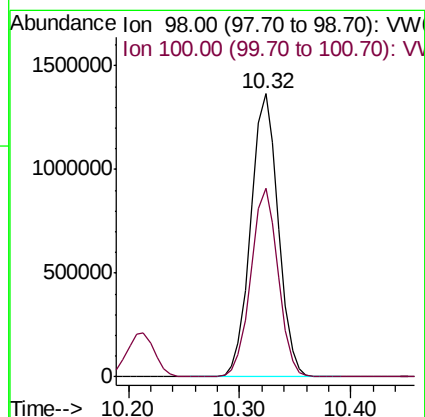
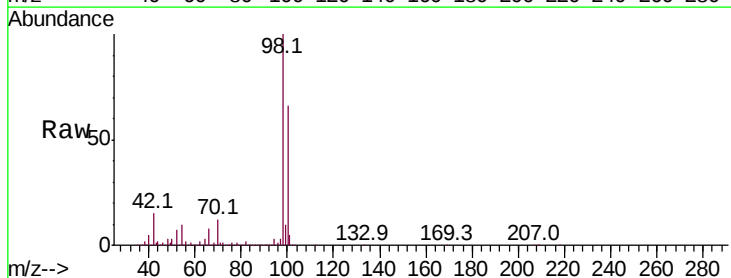
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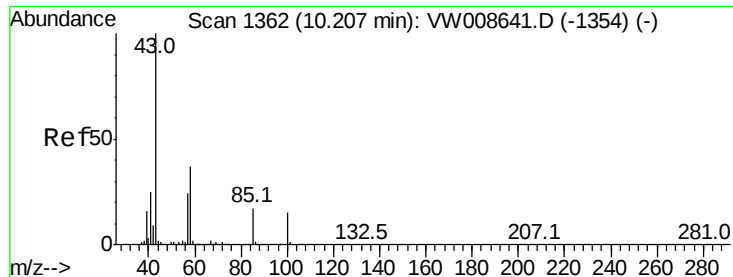
MMDadoda
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#50
Toluene-d8
Concen: 148.477 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.4





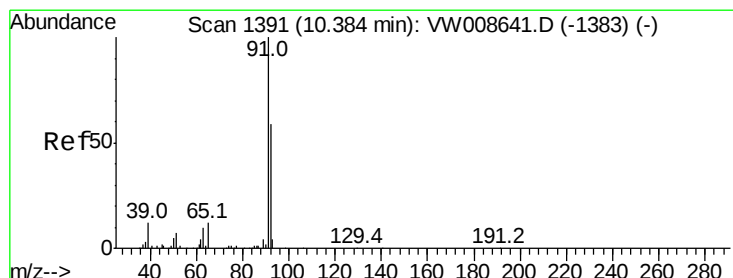
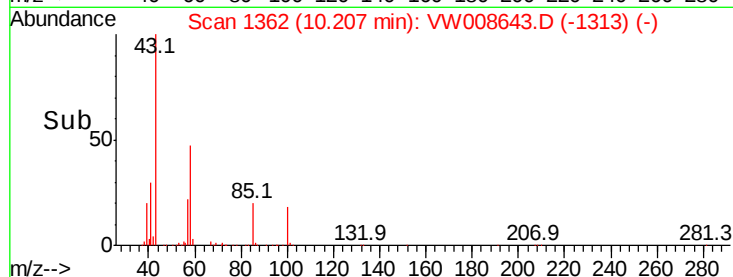
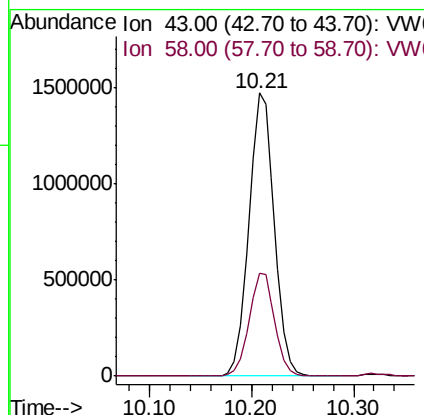
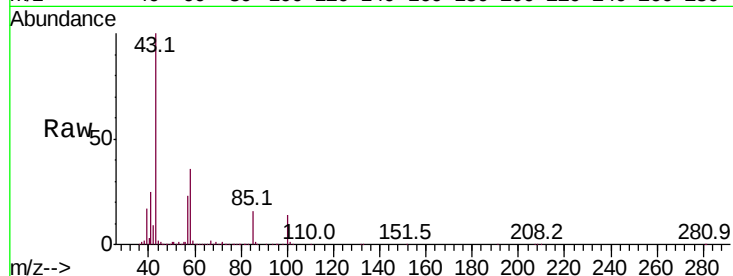
#51
4-Methyl-2-Pentanone
Concen: 775.817 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2544705
Ion Ratio Lower Upper
43 100
58 36.5 29.0 43.6

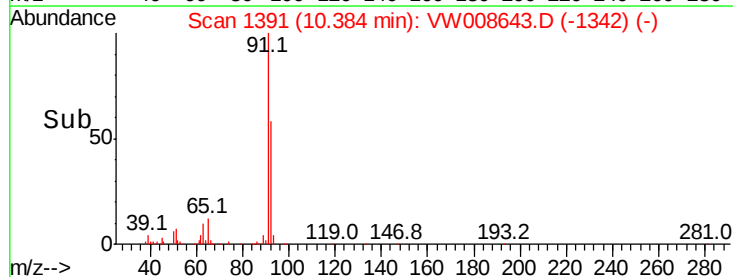
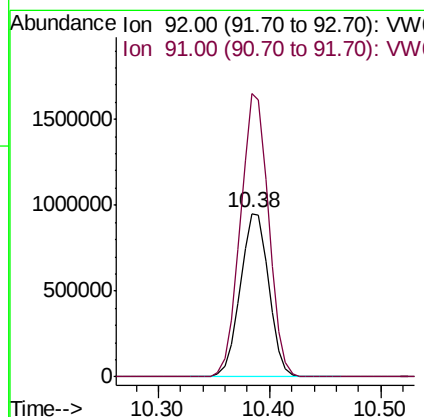
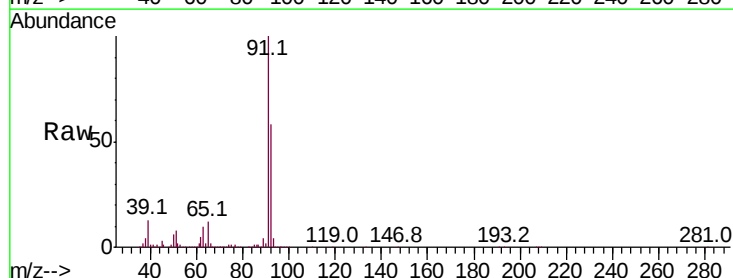
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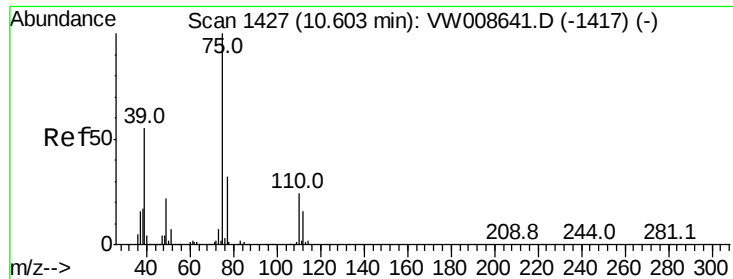
MMDadoda
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#52
Toluene
Concen: 144.107 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion: 92 Resp: 1685470
Ion Ratio Lower Upper
92 100
91 171.6 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 152.616 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 75 Resp: 952359

Ion Ratio Lower Upper

75 100

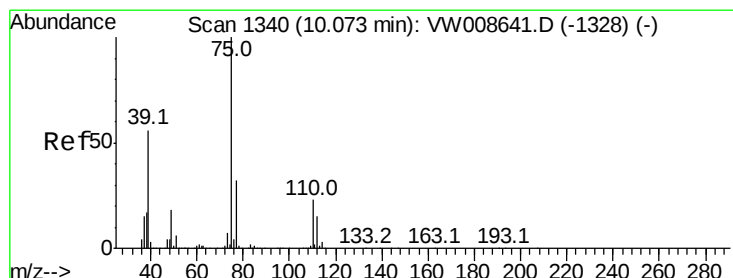
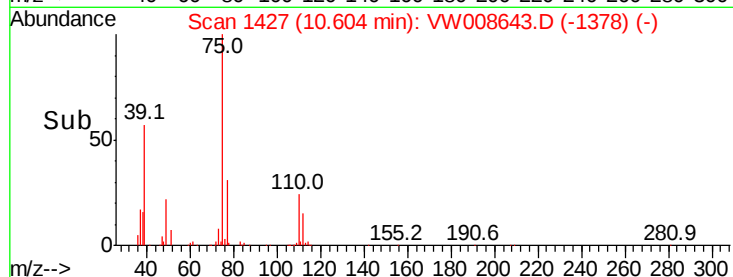
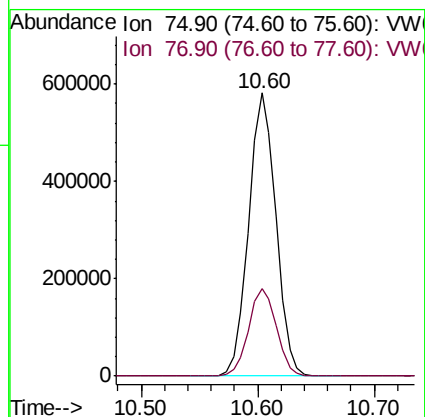
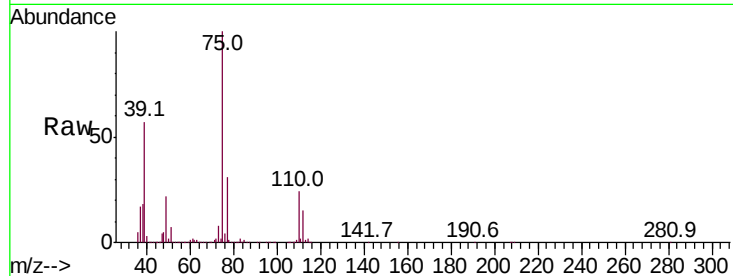
77 30.7 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 146.107 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

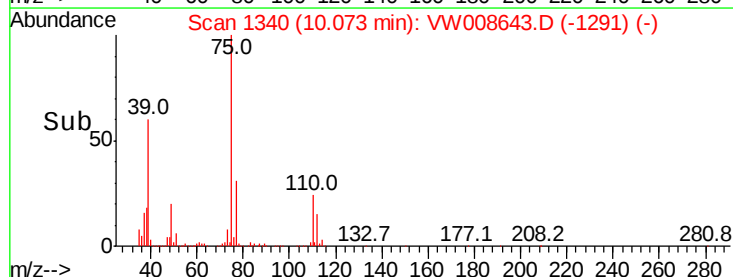
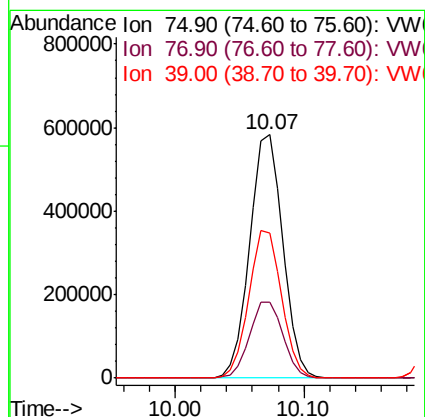
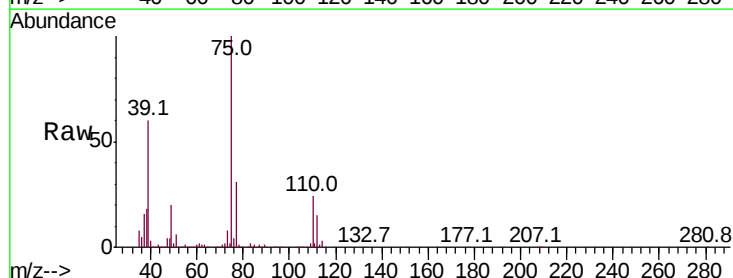
Tgt Ion: 75 Resp: 1033541

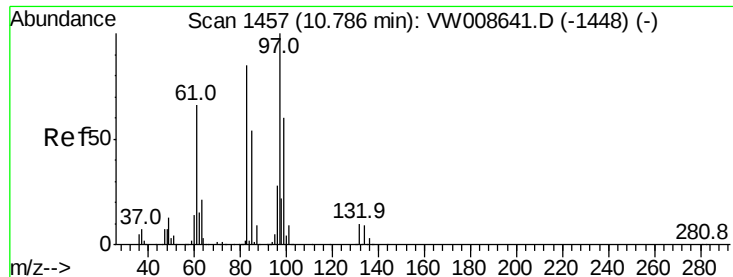
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 59.7 44.5 66.7





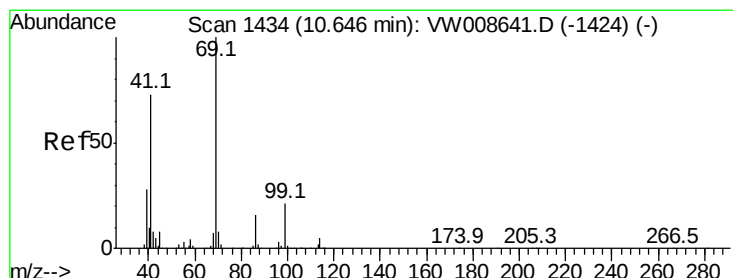
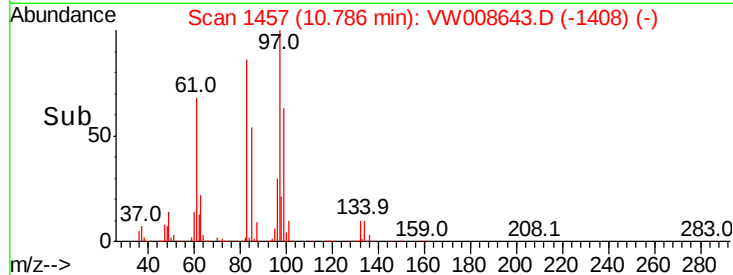
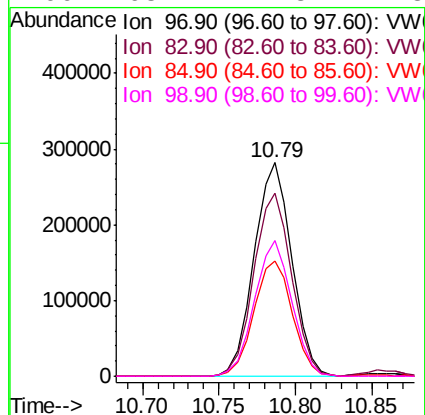
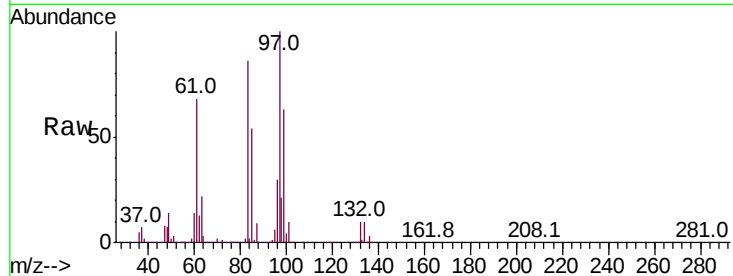
#55
 1,1,2-Trichloroethane
 Concen: 142.856 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.4	102.6
85	53.9	43.1	64.7
99	63.2	47.8	71.8

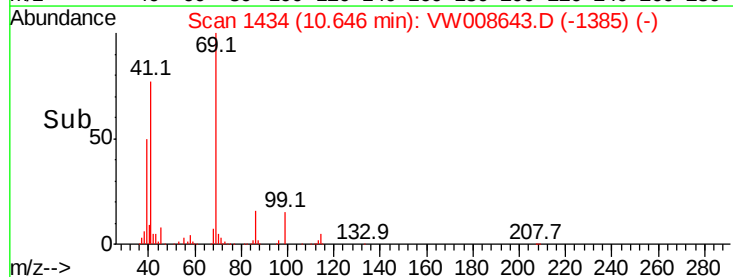
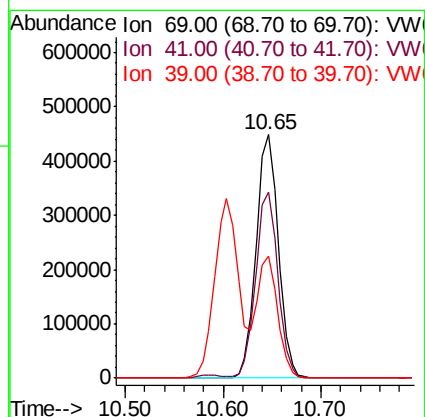
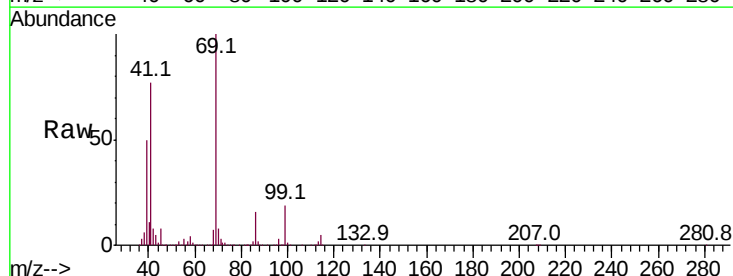
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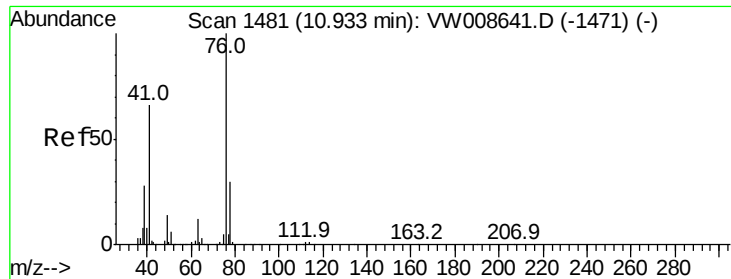
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#56
 Ethyl methacrylate
 Concen: 157.406 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.4	59.0	88.4
39	45.4	34.4	51.6





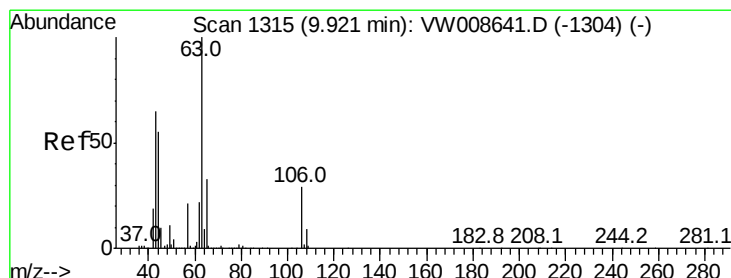
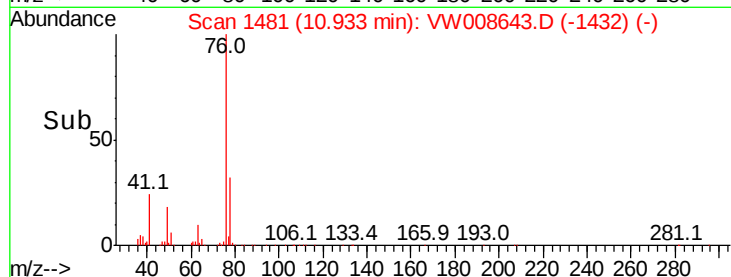
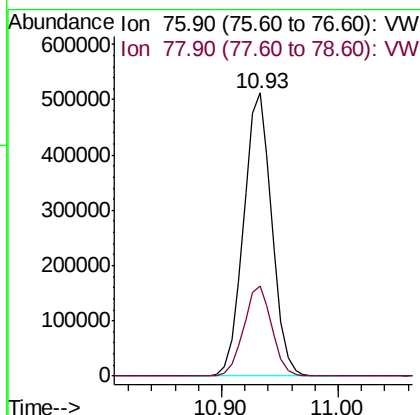
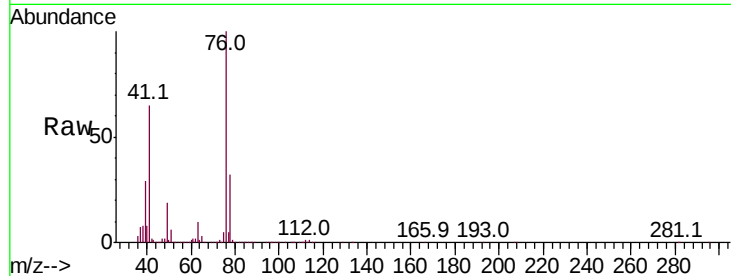
#57
 1,3-Dichloropropane
 Concen: 142.941 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 860101
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.0

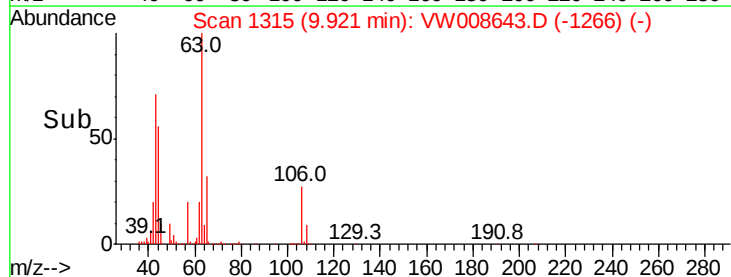
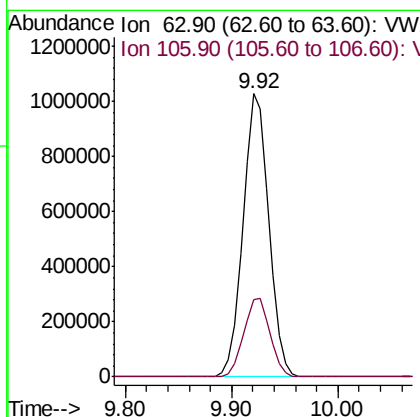
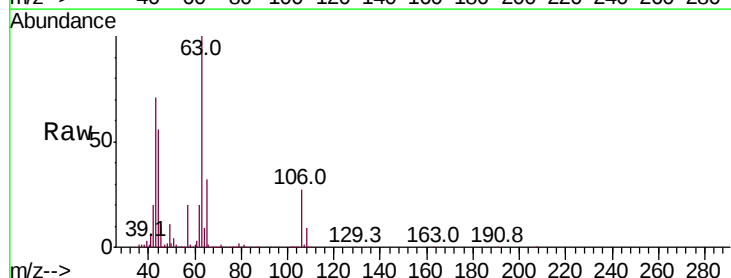
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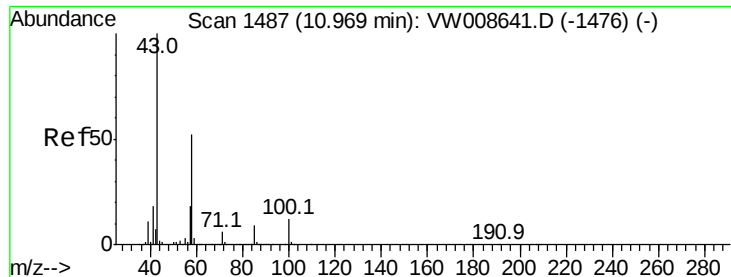
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#58
 2-Chloroethyl Vinyl ether
 Concen: 806.909 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion: 63 Resp: 1743117
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.4 35.2





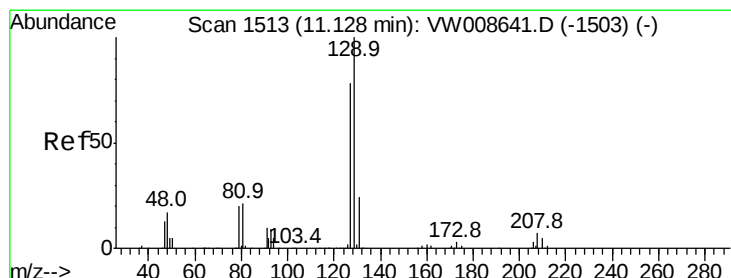
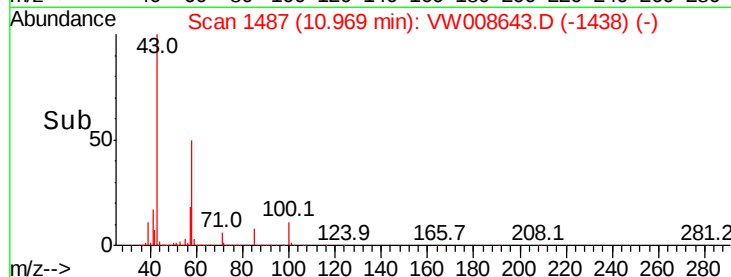
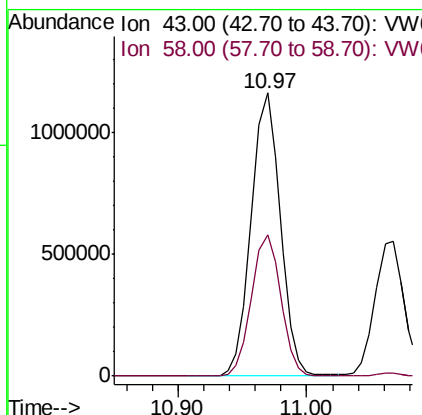
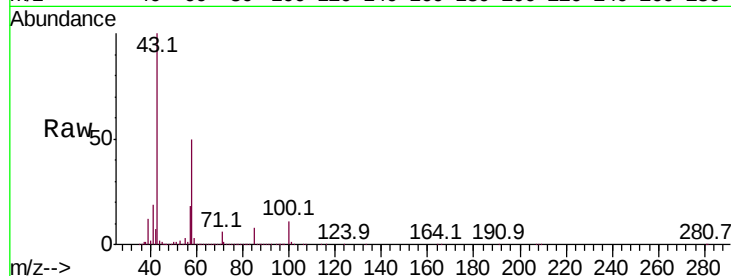
#59
2-Hexanone
Concen: 790.000 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1820335
Ion Ratio Lower Upper
43 100
58 50.3 25.6 76.6

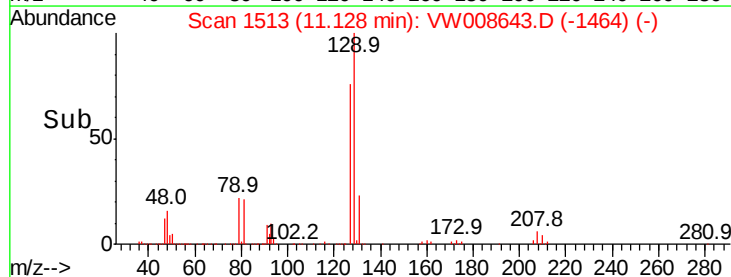
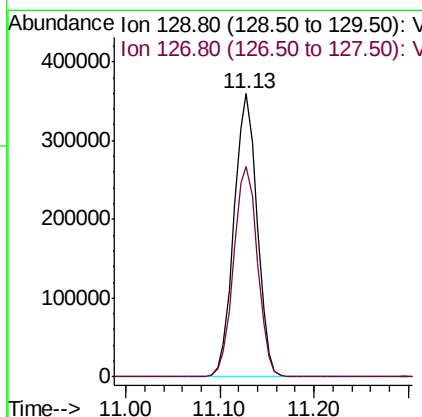
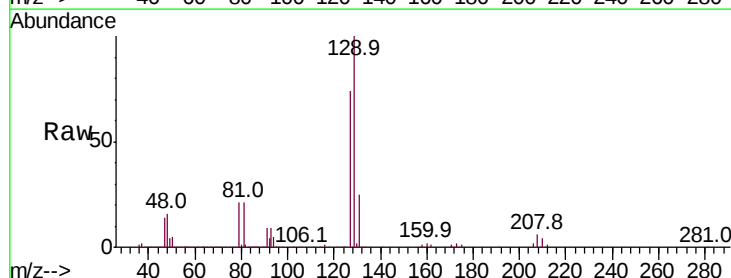
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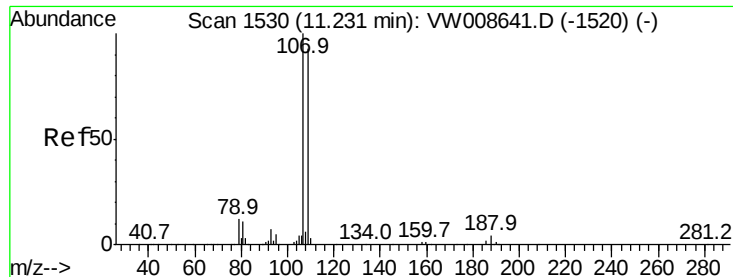
MMDadoda
2/14/2019 2:09:09 PM



#60
Dibromochloromethane
Concen: 151.061 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion: 129 Resp: 612978
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 146.159 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 488044

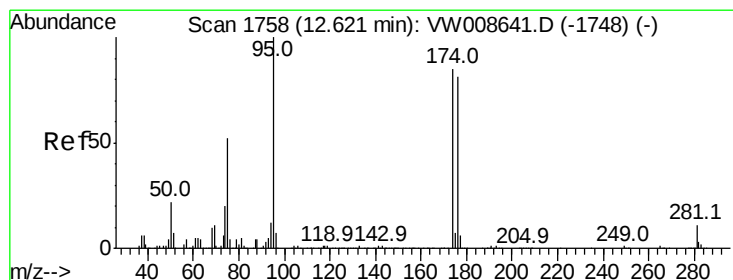
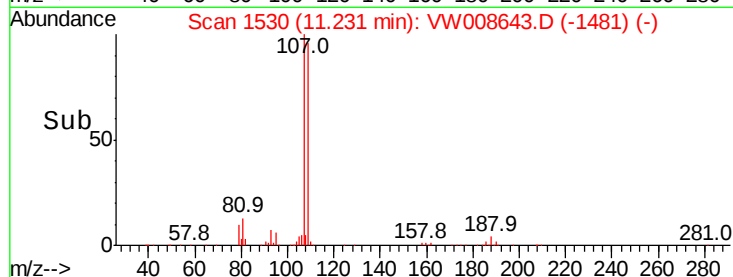
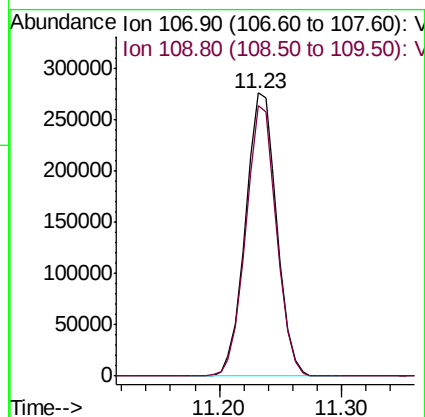
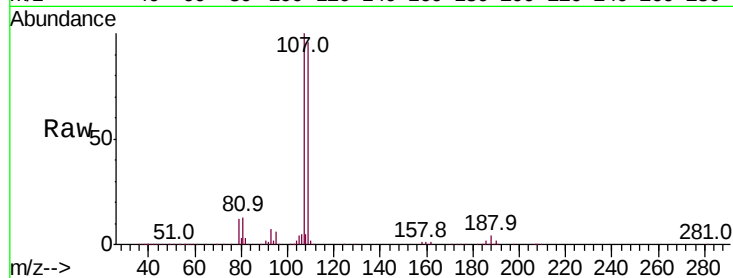
Ion Ratio Lower Upper

107 100

109 94.1 74.8 112.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 154.679 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

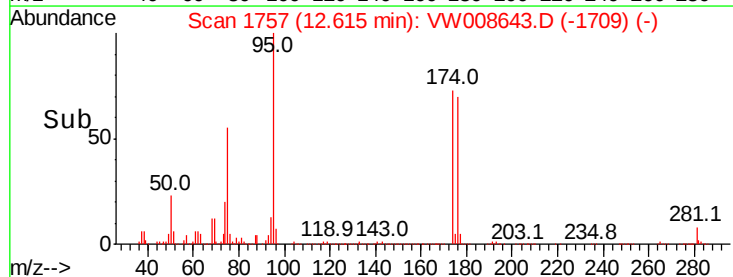
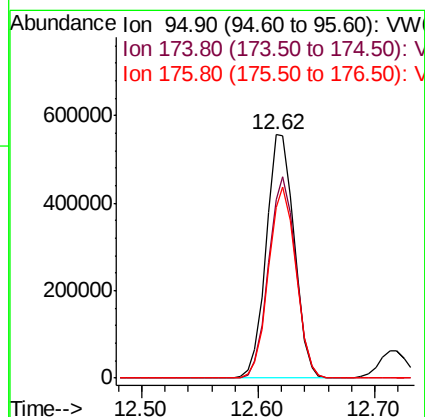
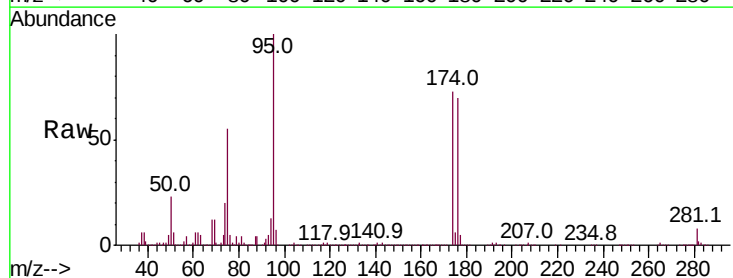
Tgt Ion: 95 Resp: 921462

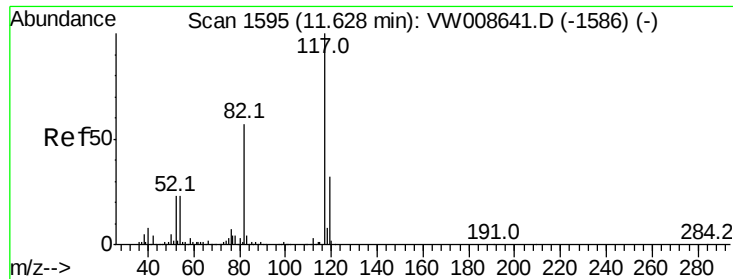
Ion Ratio Lower Upper

95 100

174 80.3 0.0 163.2

176 77.0 0.0 158.0





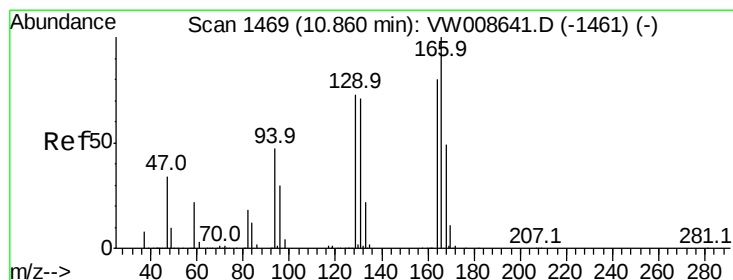
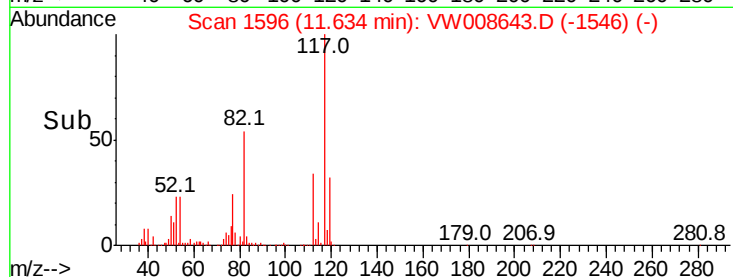
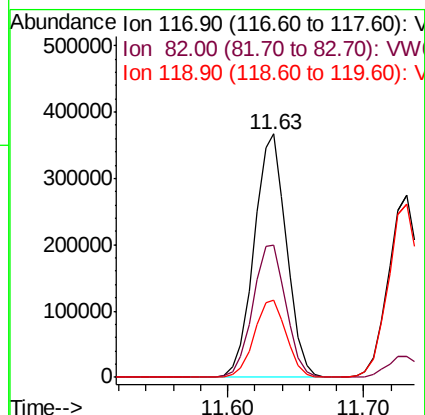
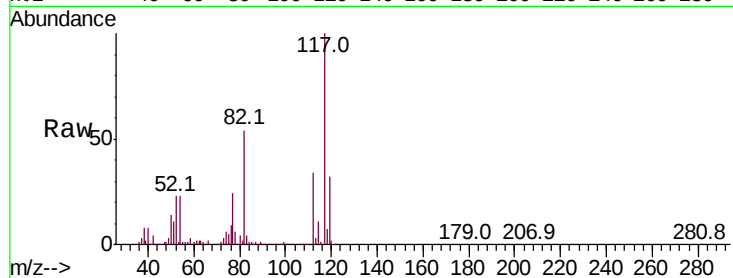
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.2	45.6	68.4
119	31.9	25.7	38.5

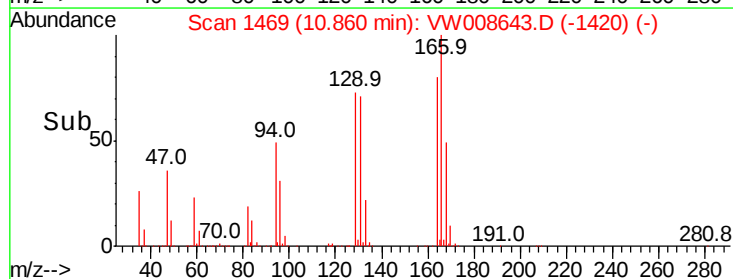
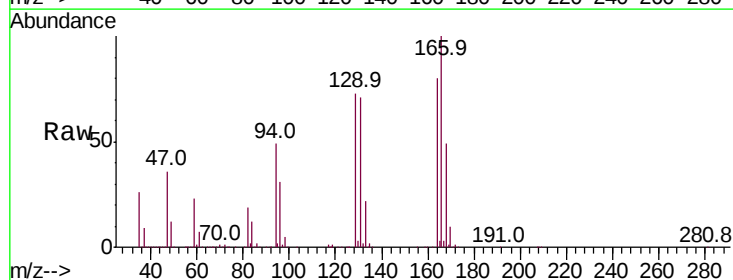
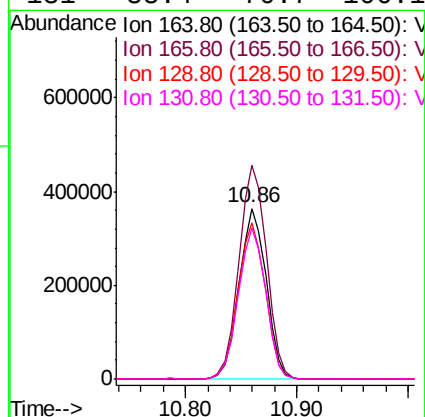
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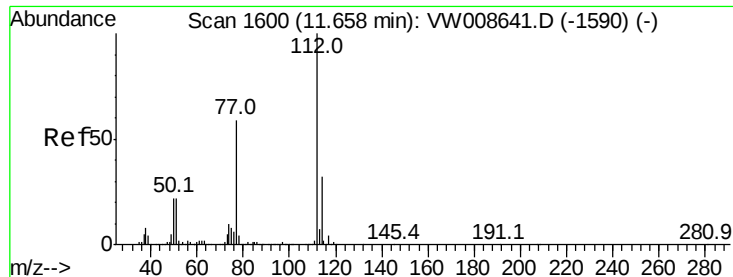
MMDadoda
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#64
Tetrachloroethene
Concen: 135.521 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	125.2	100.2	150.2
129	91.4	73.6	110.4
131	88.4	70.7	106.1





#65

Chlorobenzene

Concen: 137.810 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1813576

Ion Ratio Lower Upper

112 100

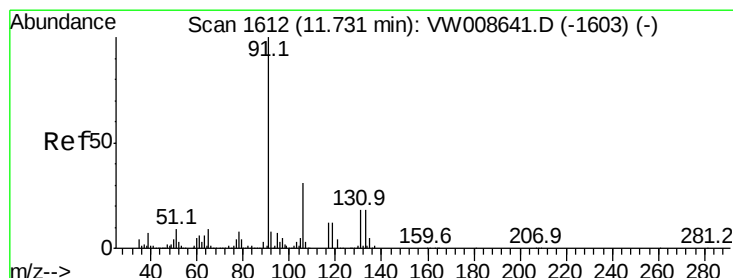
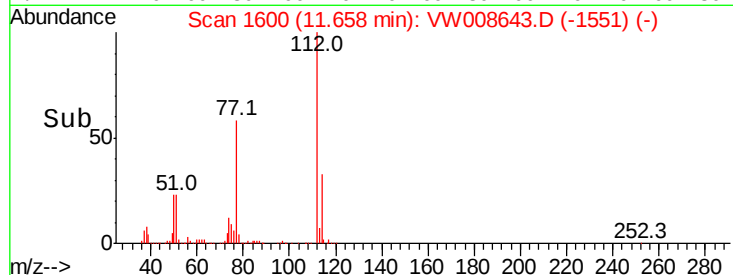
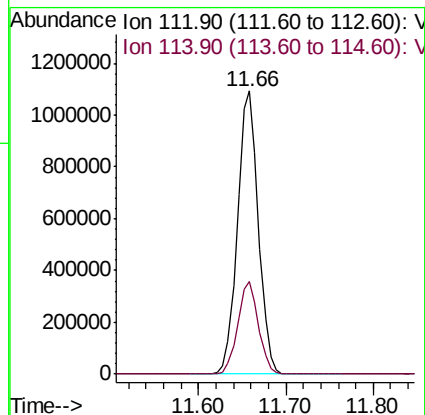
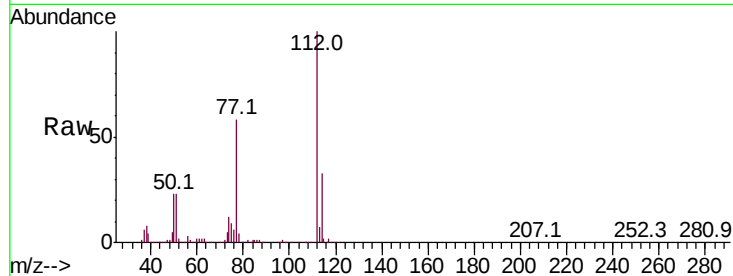
114 32.7 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 142.062 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

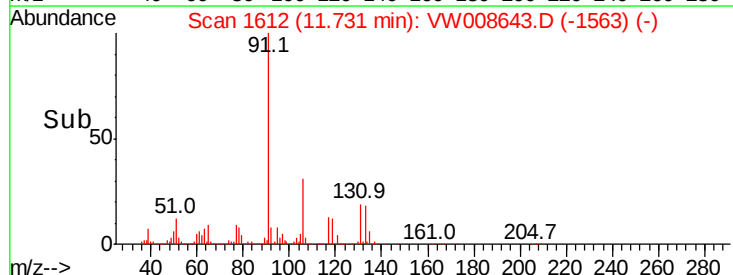
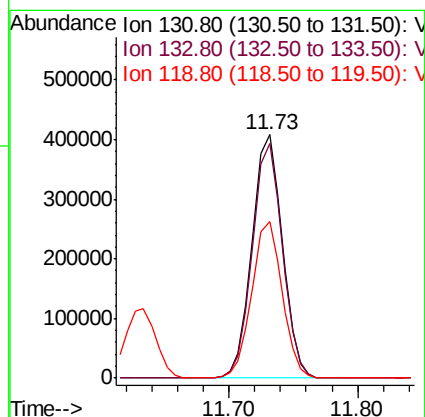
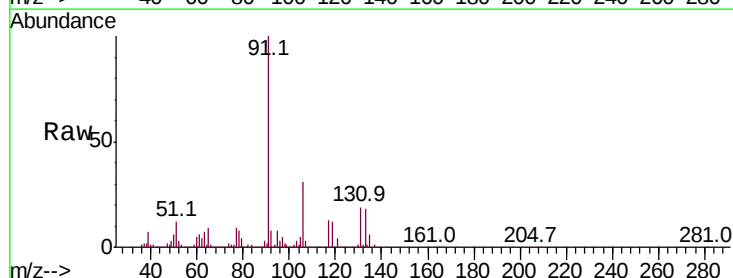
Tgt Ion:131 Resp: 662285

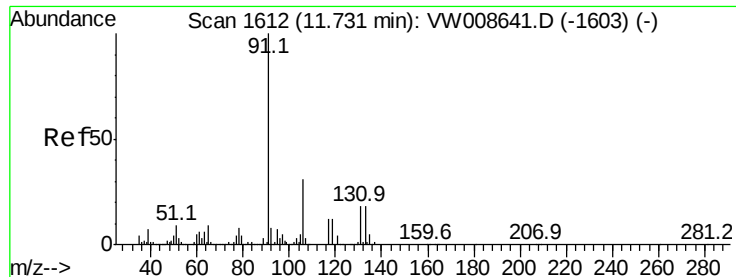
Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.4

119 64.4 31.6 94.8





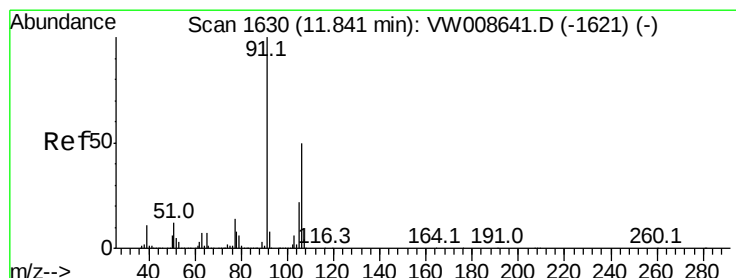
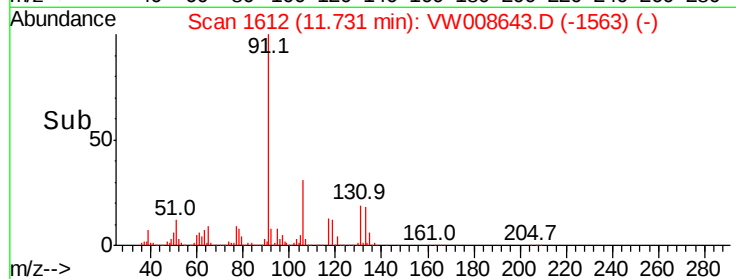
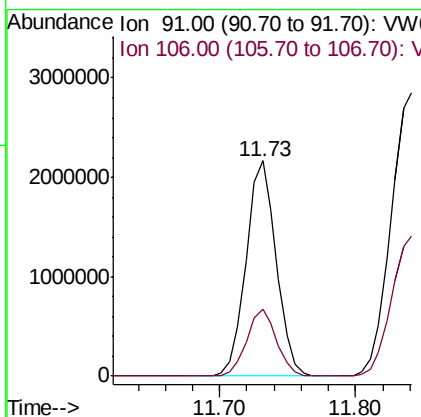
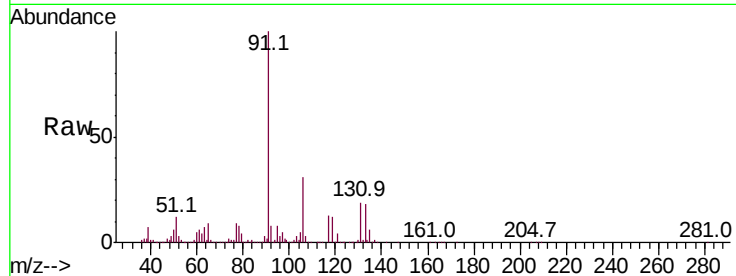
#67
Ethyl Benzene
Concen: 143.247 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3357994
Ion Ratio Lower Upper
91 100
106 31.2 24.5 36.7

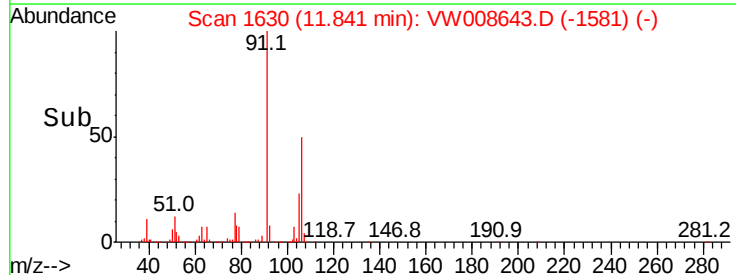
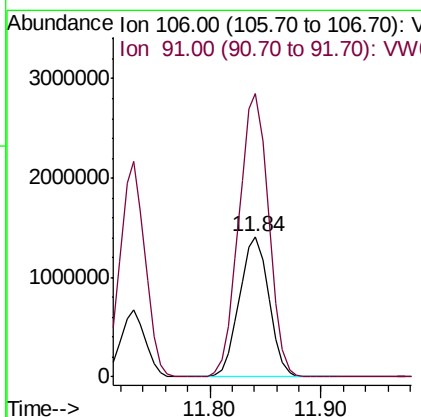
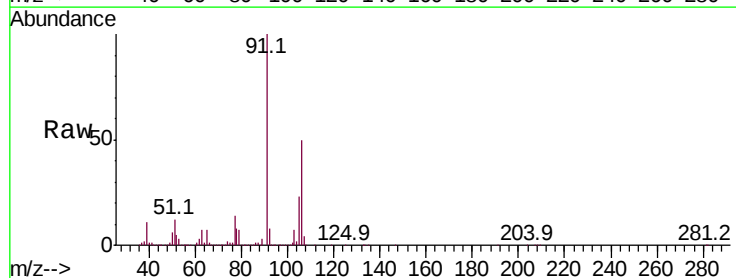
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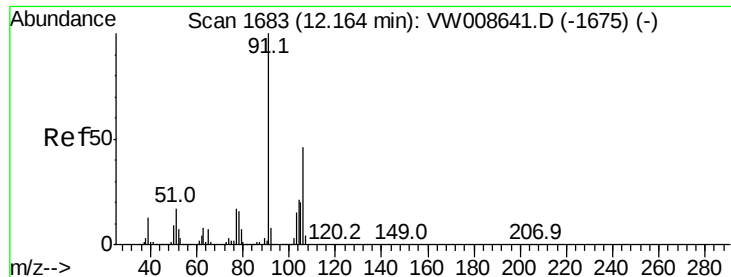
MMDadoda
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#68
m/p-Xylenes
Concen: 285.130 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion: 106 Resp: 2600682
Ion Ratio Lower Upper
106 100
91 203.3 161.0 241.4





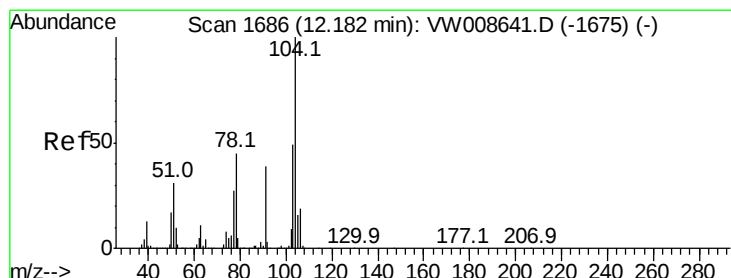
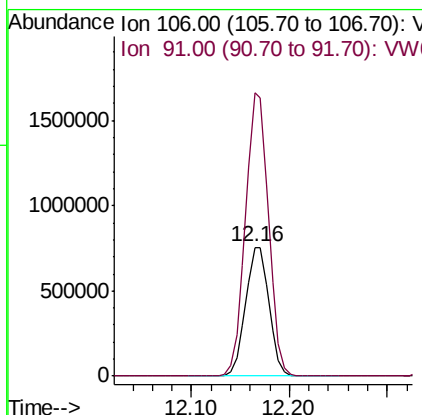
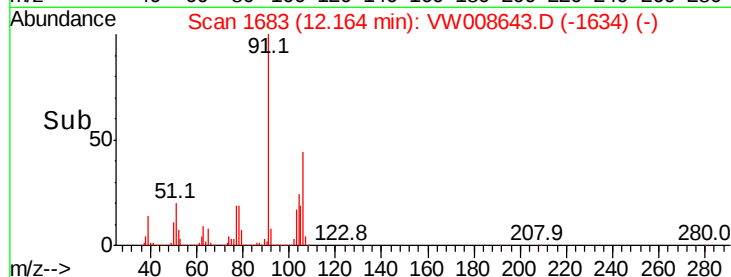
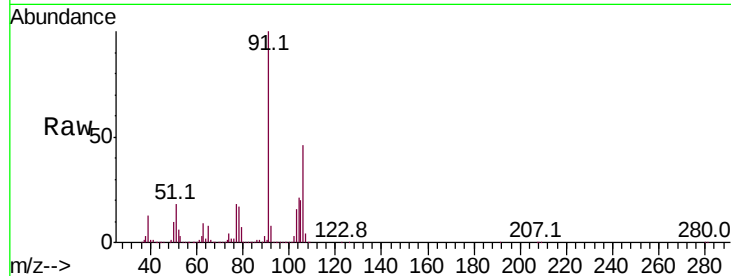
#69
o-Xylene
Concen: 145.416 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1253725
Ion Ratio Lower Upper
106 100
91 216.5 106.7 320.1

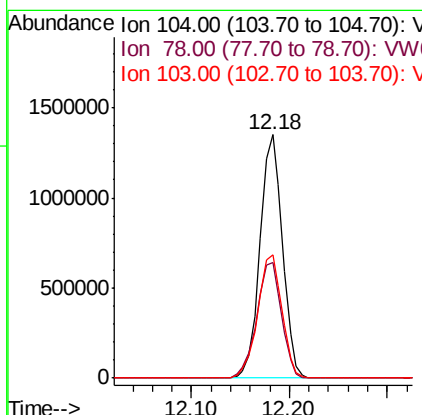
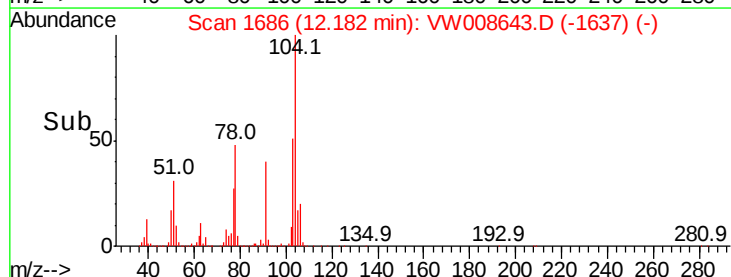
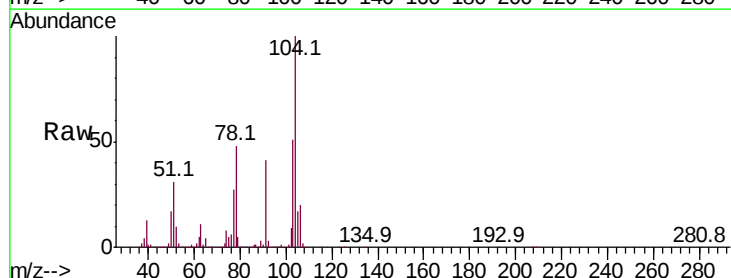
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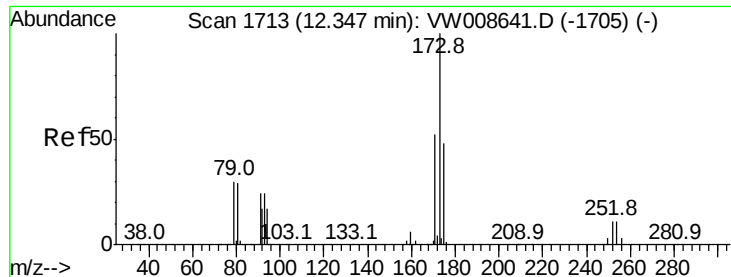
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#70
Styrene
Concen: 152.087 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion:104 Resp: 2141706
Ion Ratio Lower Upper
104 100
78 52.8 41.5 62.3
103 54.9 43.5 65.3





#71

Bromoform

Concen: 159.335 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

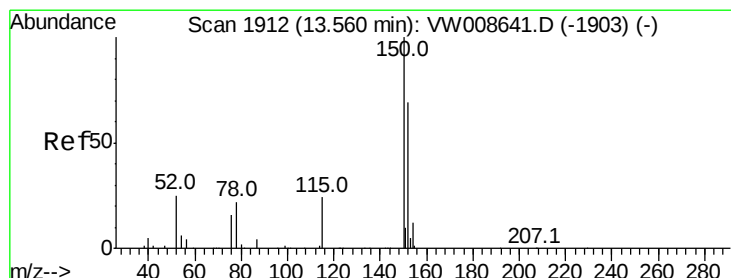
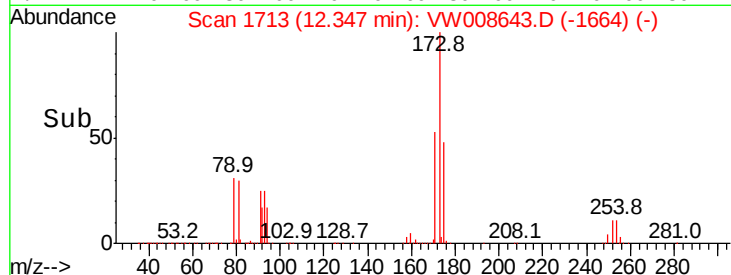
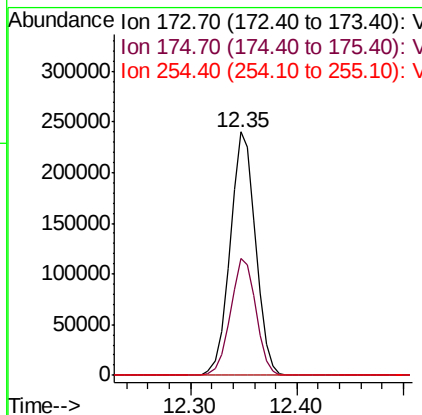
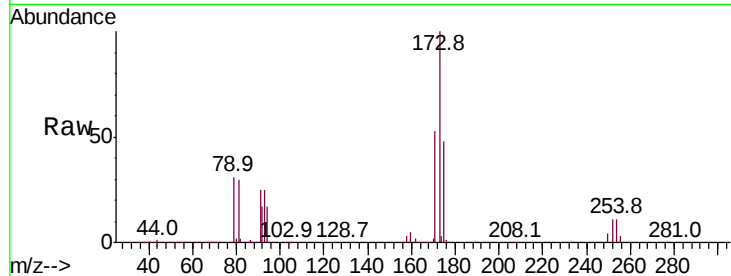
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
173	100			
175	48.1	24.9	74.7	
254	0.2	0.1	0.1	

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

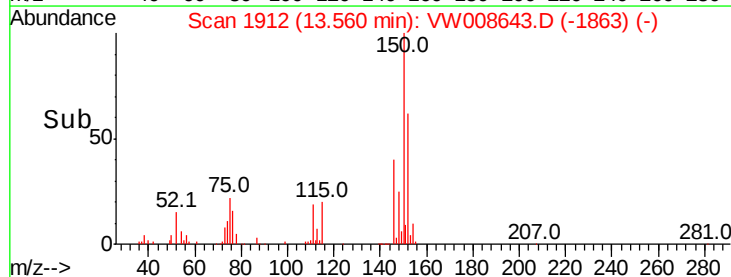
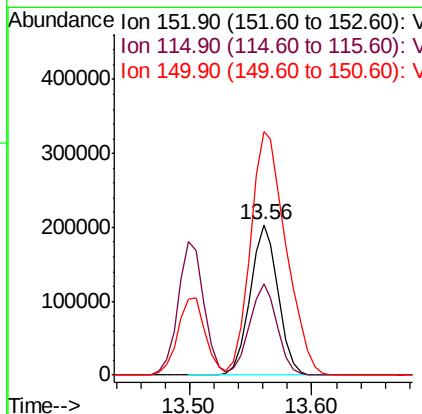
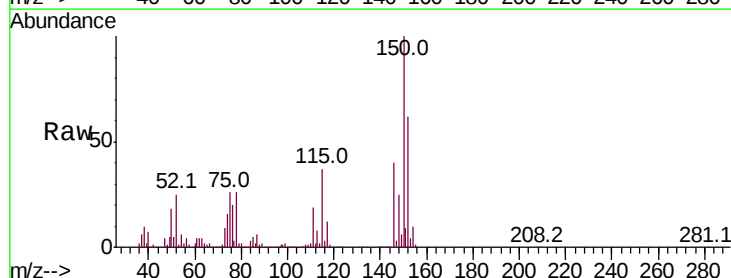
RT: 13.56 min Scan# 1912

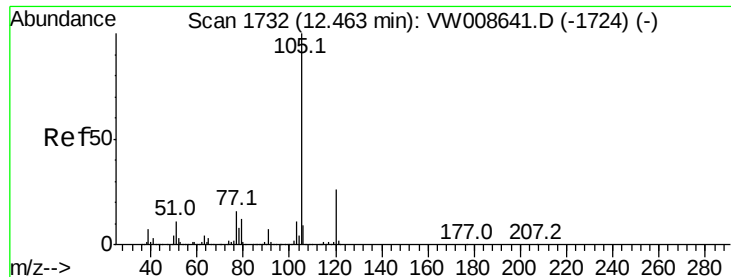
Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
115	60.2	29.3	87.8	
150	206.6	0.0	352.8	





#73

Isopropylbenzene

Concen: 147.983 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3540308

Ion Ratio Lower Upper

105 100

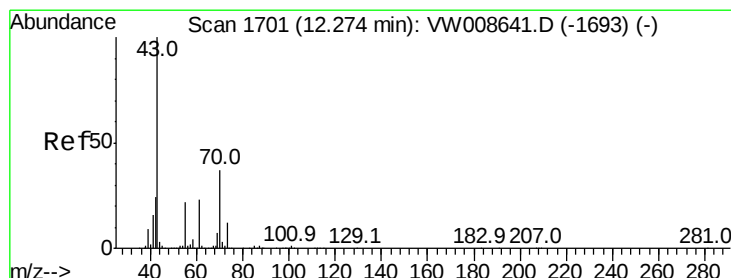
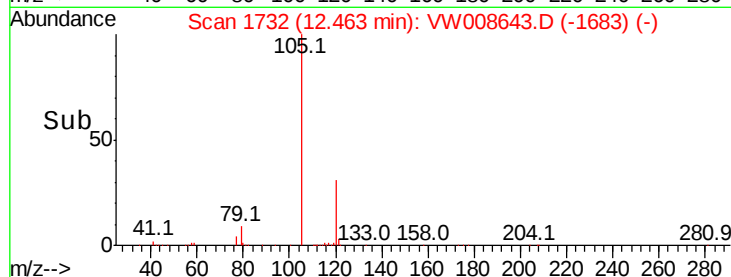
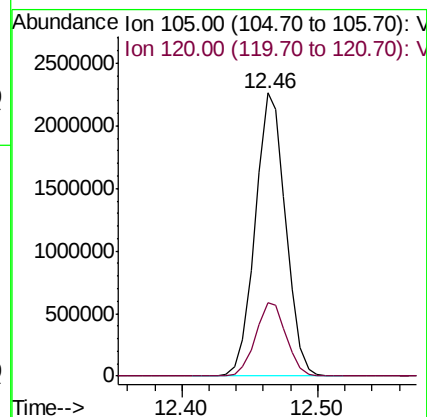
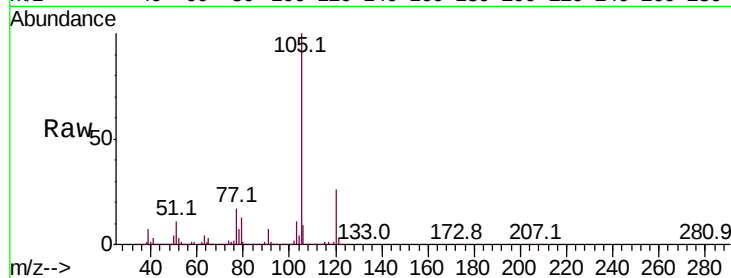
120 26.3 13.2 39.6

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#74

N-ethyl acetate

Concen: 163.893 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion: 43 Resp: 1060297

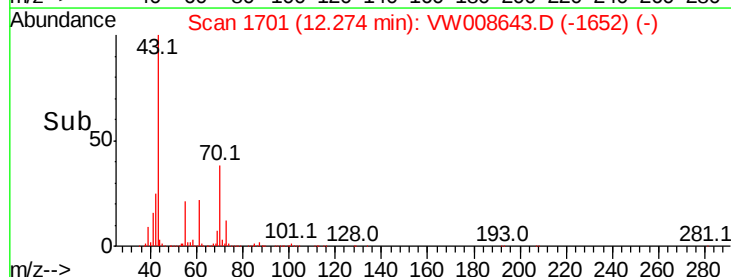
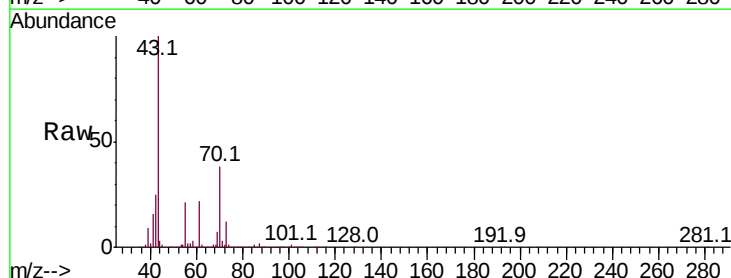
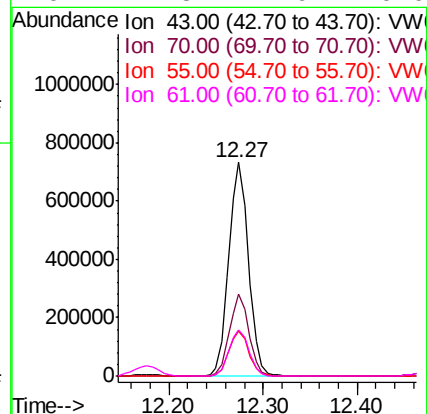
Ion Ratio Lower Upper

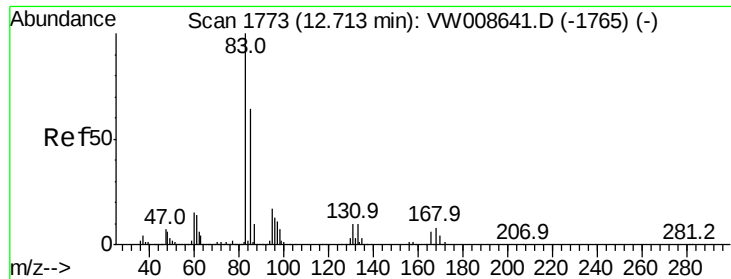
43 100

70 37.8 30.5 45.7

55 21.1 17.6 26.4

61 21.8 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 148.986 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

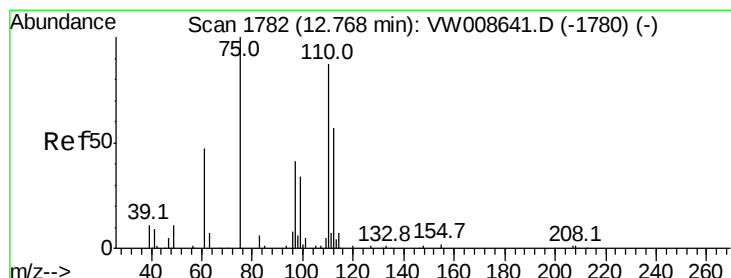
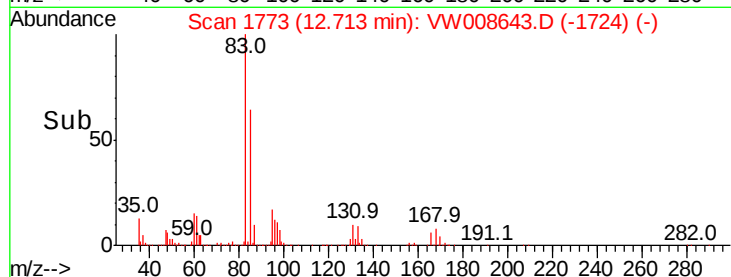
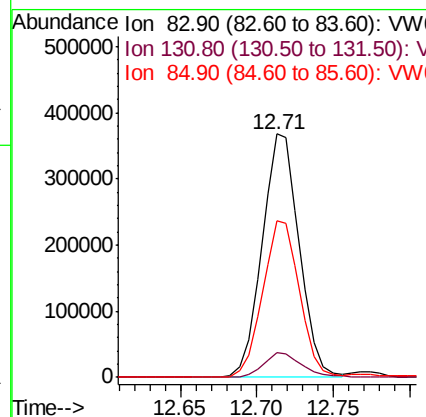
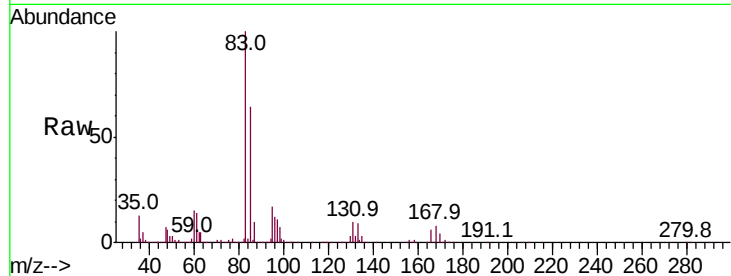
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	620143
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.7
85	63.8	31.8	95.3

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#76

1,2,3-Trichloropropane

Concen: 116.454 ug/l m

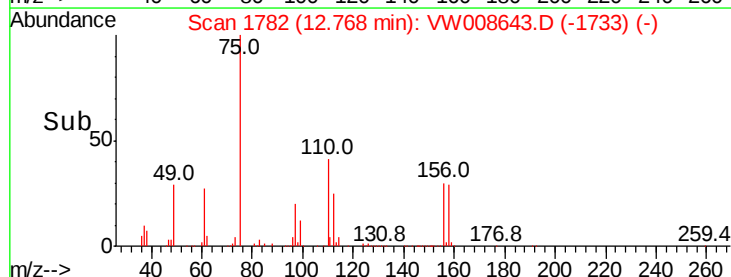
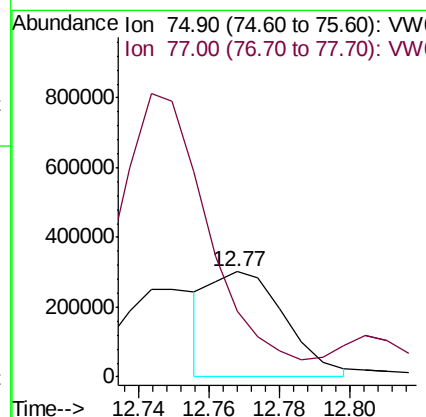
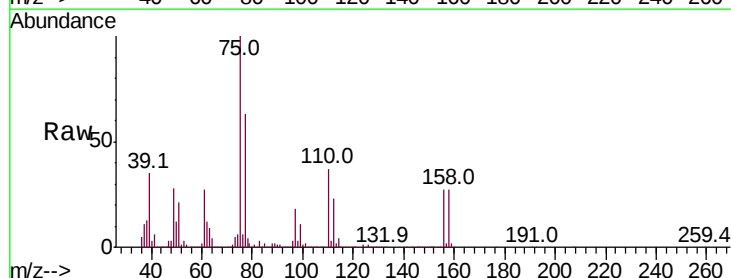
RT: 12.77 min Scan# 1782

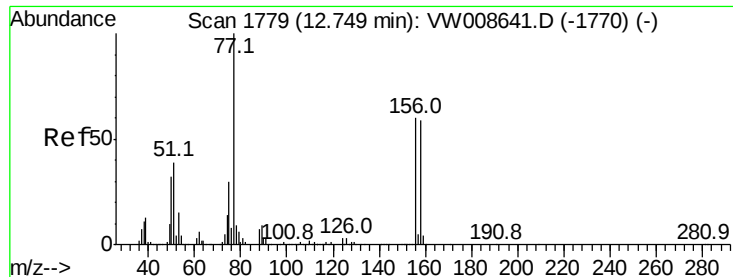
Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion:	75	Resp:	446407
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 138.757 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 763074

Ion Ratio Lower Upper

156 100

77 194.1 93.2 279.5

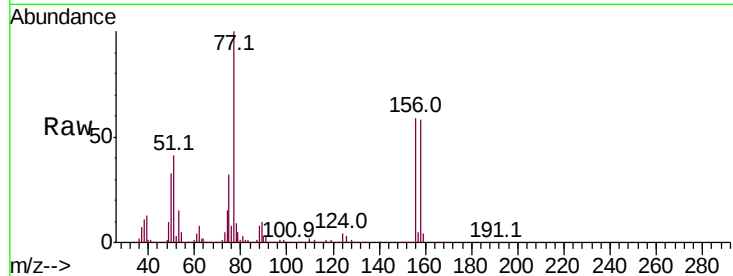
158 97.8 48.5 145.5

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

1000000

800000

600000

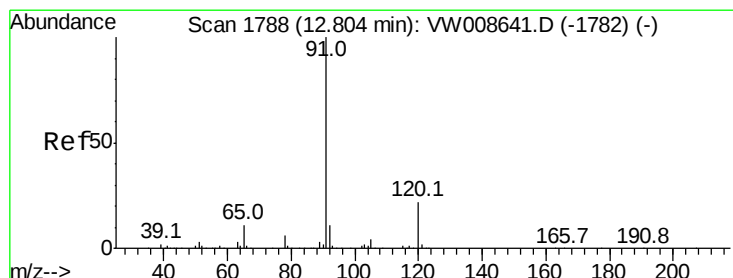
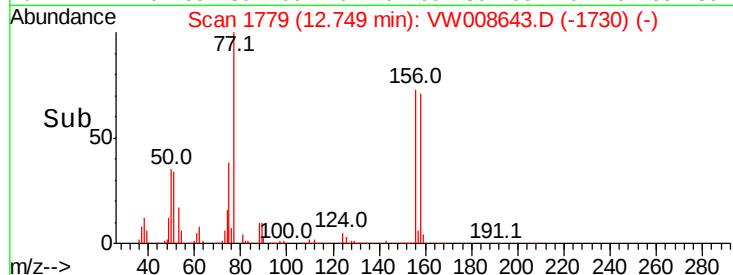
400000

200000

0

12.70 12.80

Time-->



#78

n-propylbenzene

Concen: 145.327 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008643.D

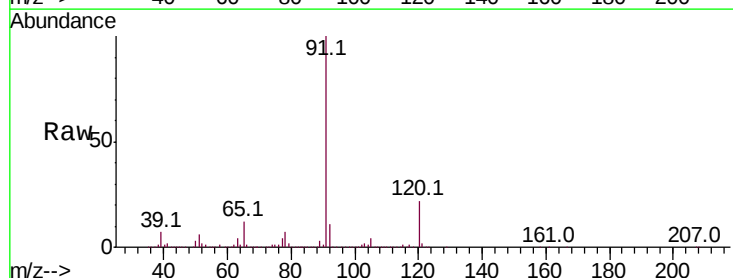
Acq: 13 Feb 2019 16:29

Tgt Ion: 91 Resp: 4131028

Ion Ratio Lower Upper

91 100

120 22.5 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

3000000

2500000

2000000

1500000

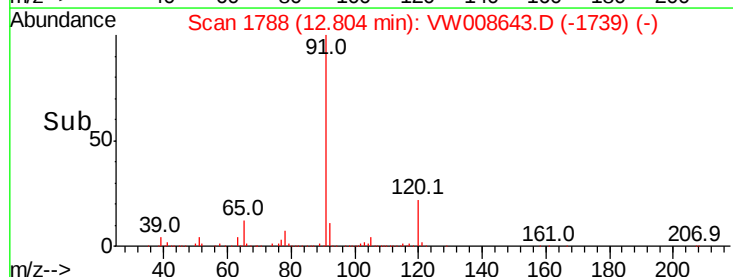
1000000

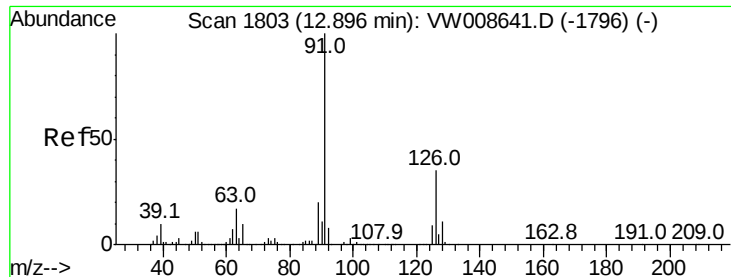
500000

0

12.75 12.80 12.85

Time-->





#79

2-Chlorotoluene

Concen: 144.030 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2313908

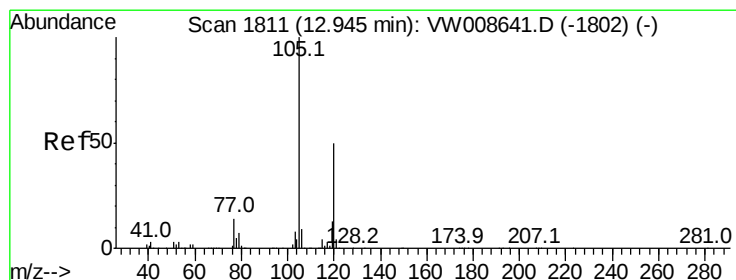
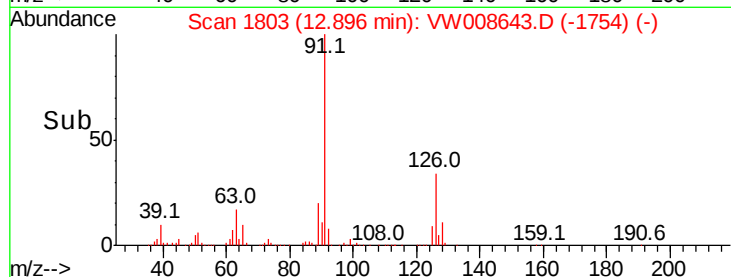
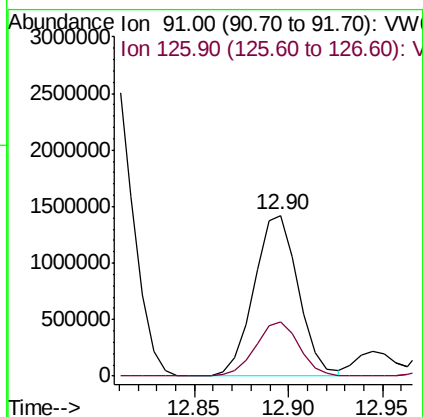
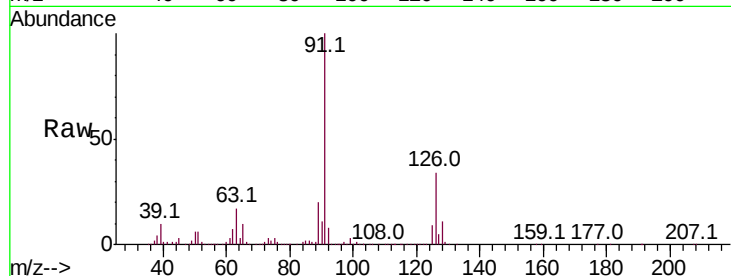
Ion Ratio Lower Upper

91 100

126 33.3 17.0 50.9

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#80

1,3,5-Trimethylbenzene

Concen: 144.489 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008643.D

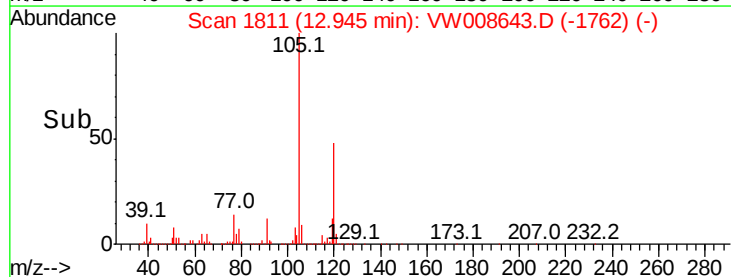
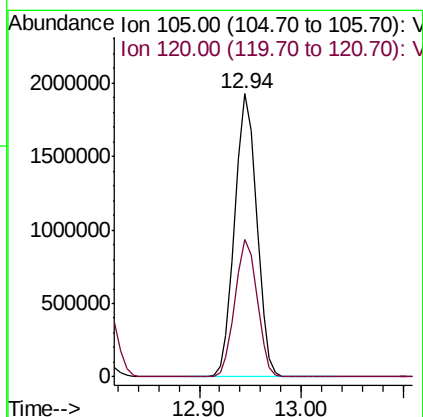
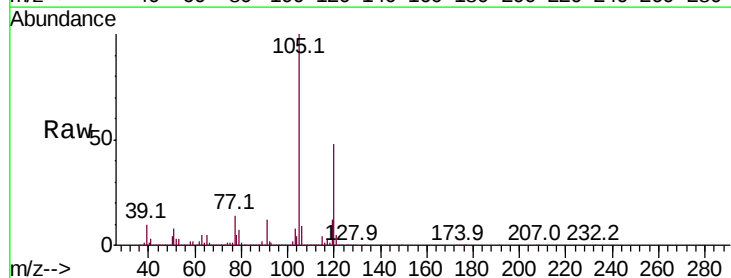
Acq: 13 Feb 2019 16:29

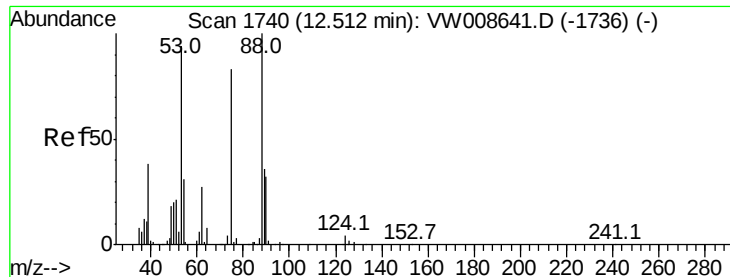
Tgt Ion:105 Resp: 2871195

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 169.496 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

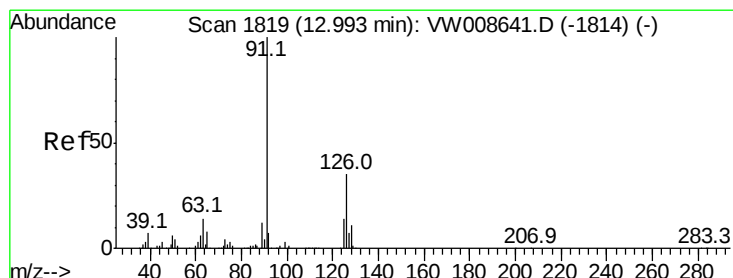
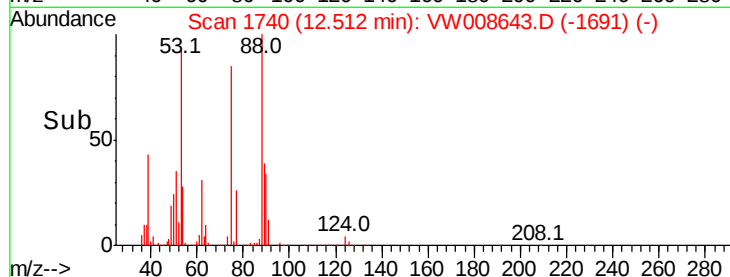
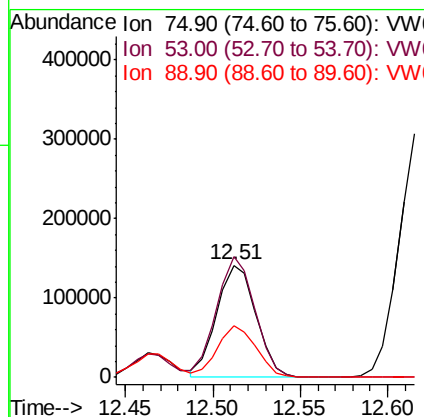
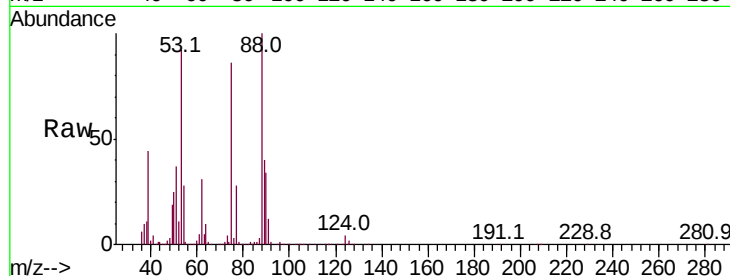
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	219910
Ion	Ratio	Lower	Upper
75	100		
53	107.9	87.4	131.0
89	45.9	37.0	55.4

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#82

4-Chlorotoluene

Concen: 145.666 ug/l

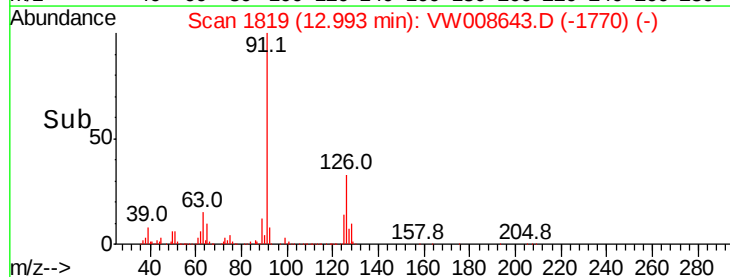
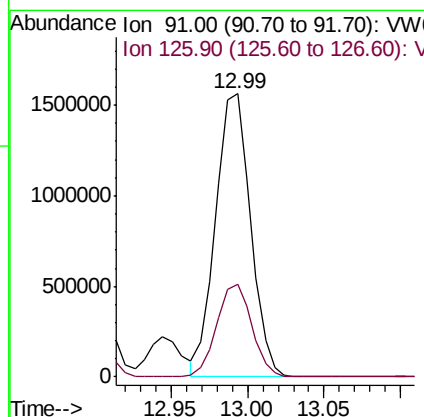
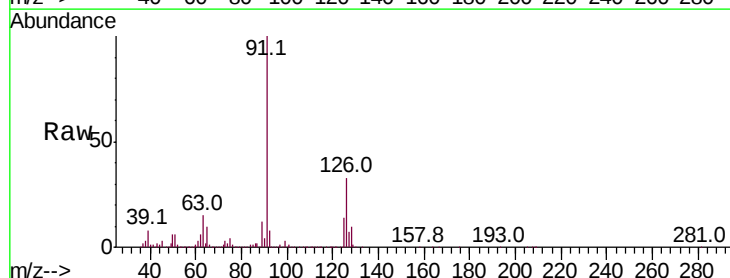
RT: 12.99 min Scan# 1819

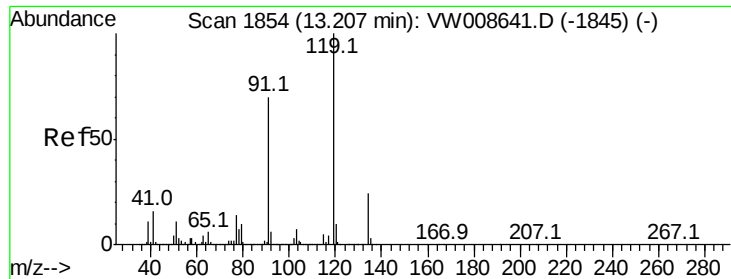
Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion:	91	Resp:	2480051
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.9	50.7





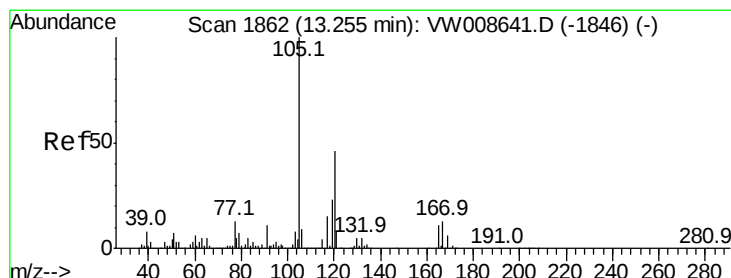
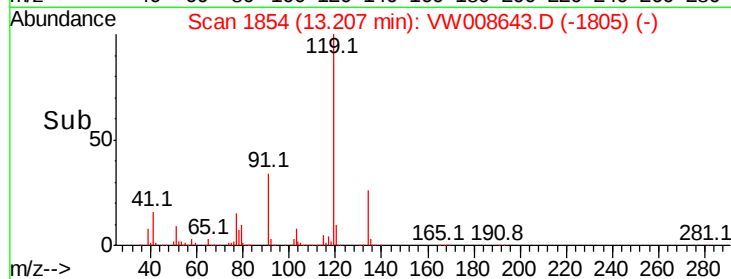
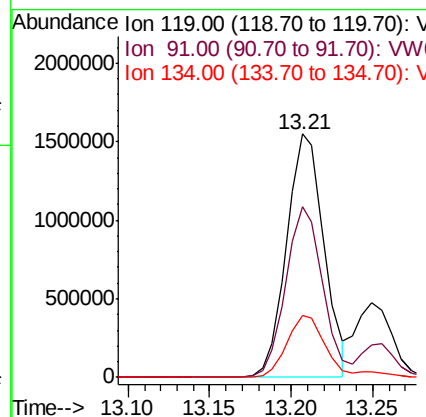
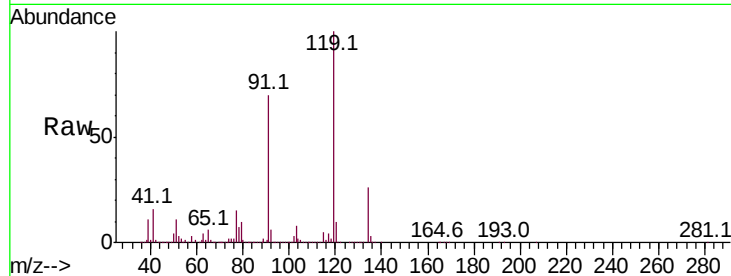
#83
tert-Butylbenzene
Concen: 143.234 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.9	34.0	102.0
134	27.6	13.6	40.8

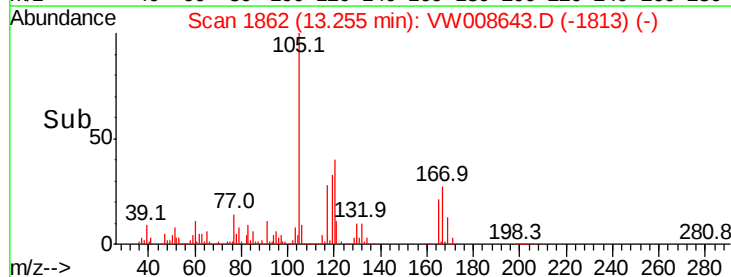
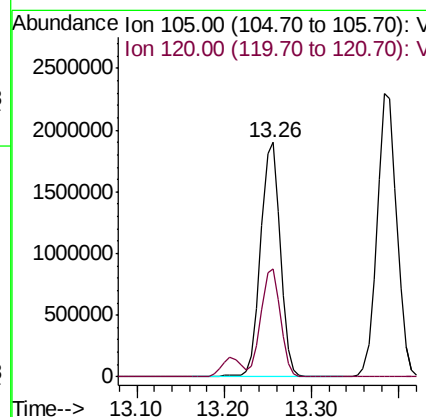
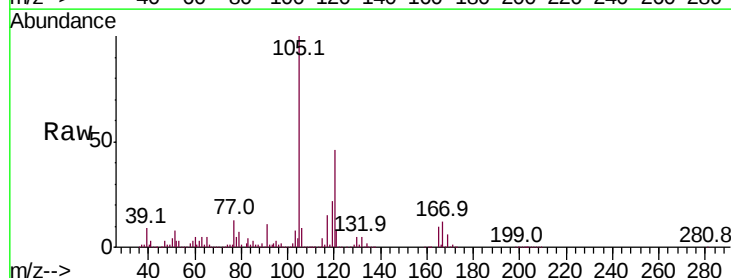
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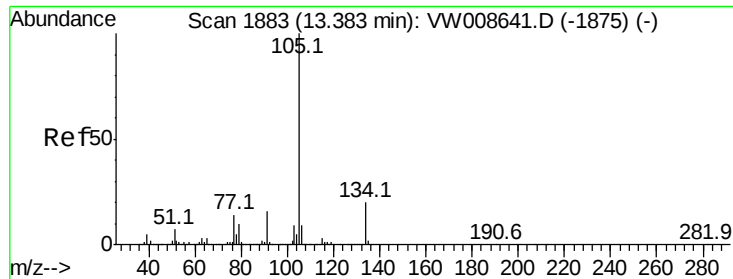
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#84
1,2,4-Trimethylbenzene
Concen: 144.509 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.8





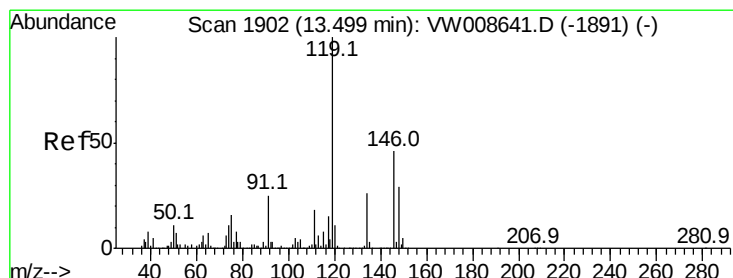
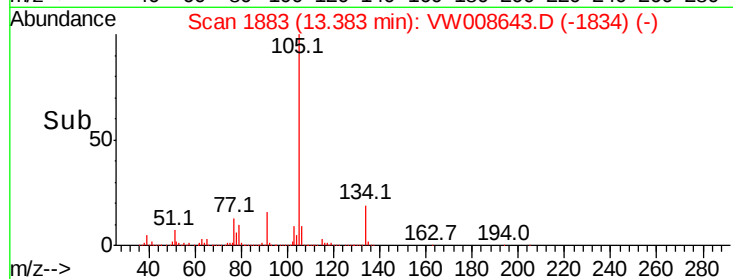
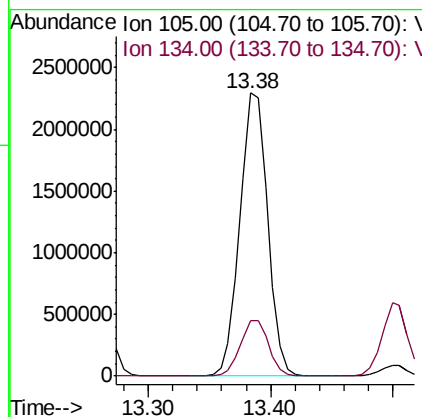
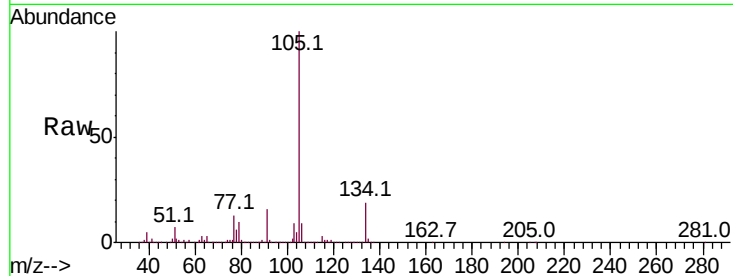
#85
 sec-Butylbenzene
 Concen: 143.127 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 3595905
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.3 30.8

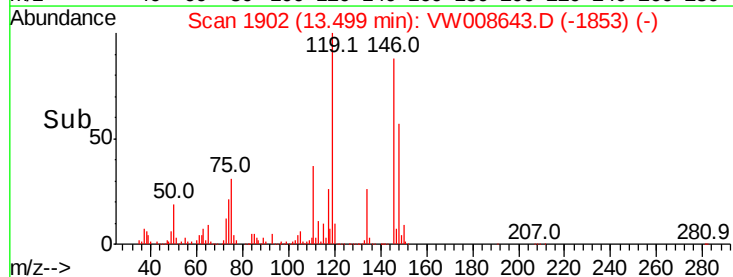
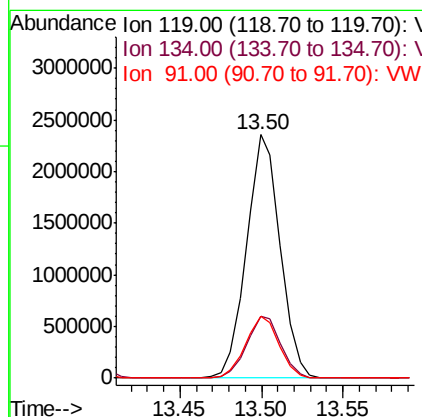
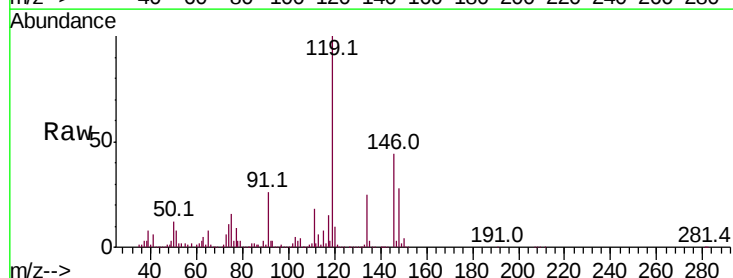
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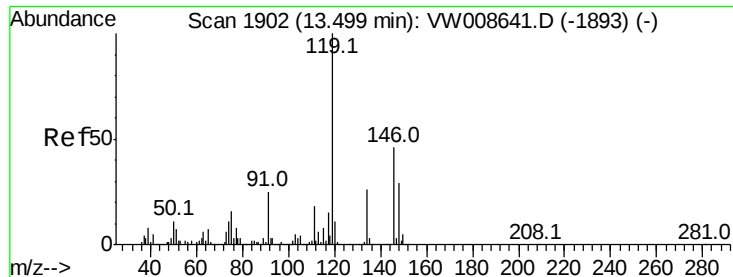
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#86
 p-Isopropyltoluene
 Concen: 150.005 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion:119 Resp: 3371511
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 25.4 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 143.311 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

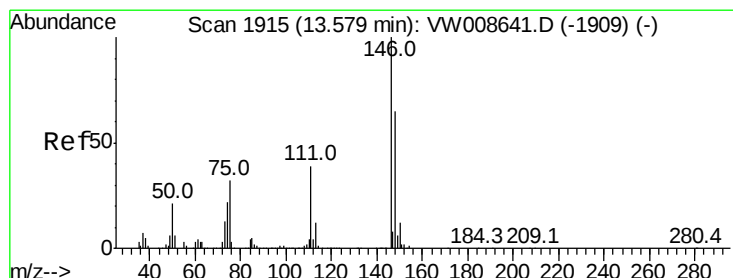
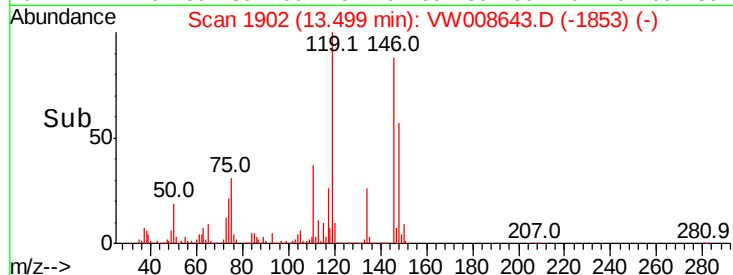
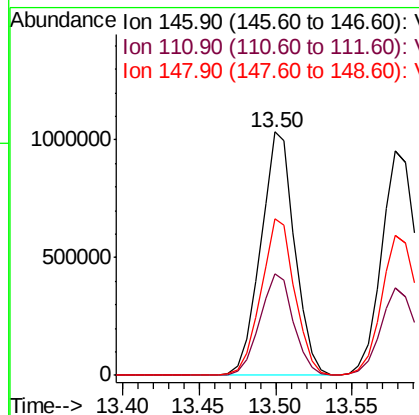
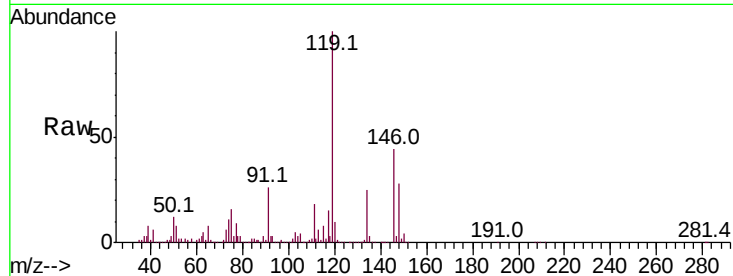
VSTDIC150

Tot Ion:146 Resp: 1597673

Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.4	58.1
148	64.0	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 137.711 ug/l

RT: 13.58 min Scan# 1915

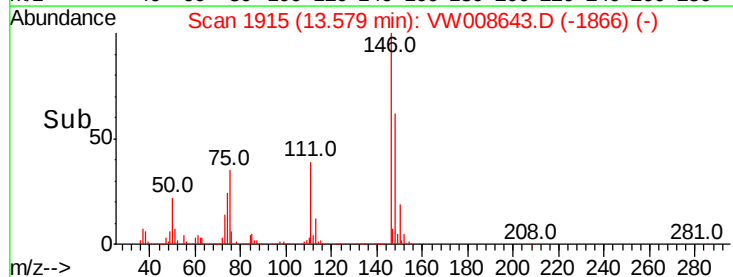
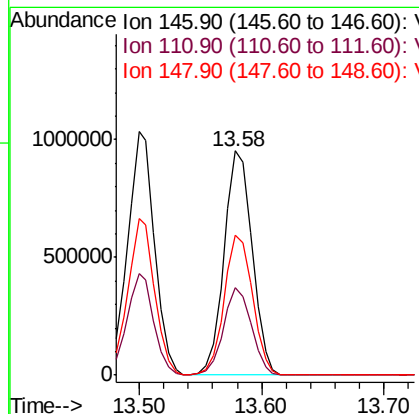
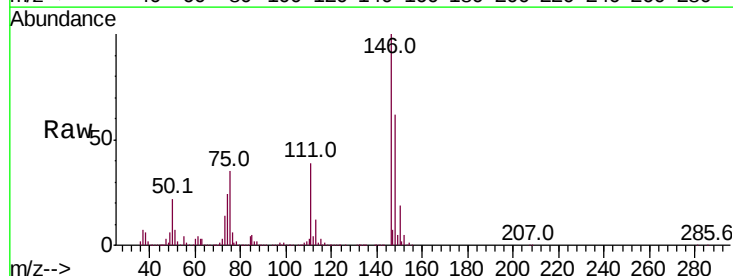
Delta R.T. 0.00 min

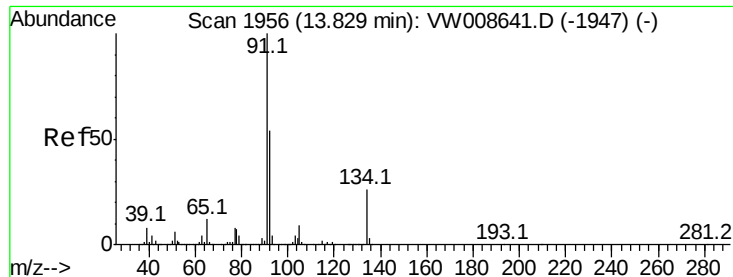
Lab File: VW008643.D

Acq: 13 Feb 2019 16:29

Tgt Ion:146 Resp: 1513039

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	62.7	31.8	95.4





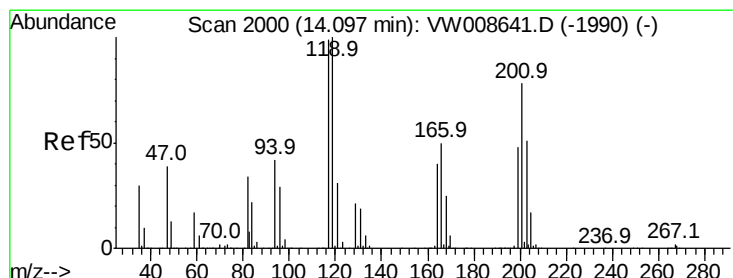
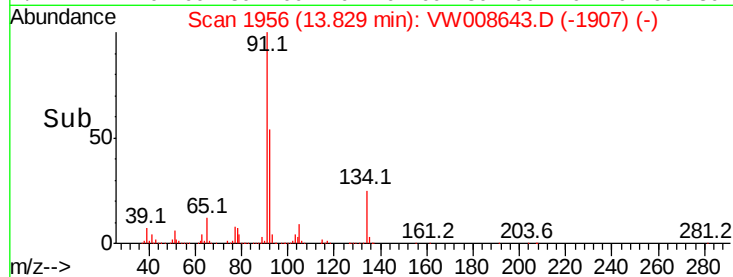
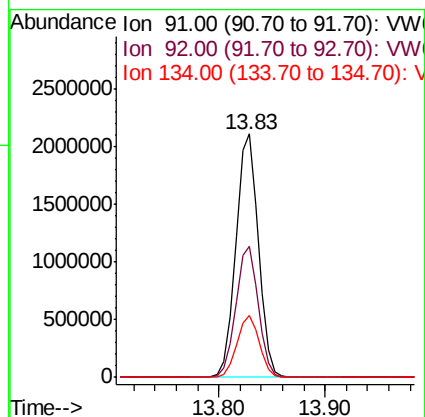
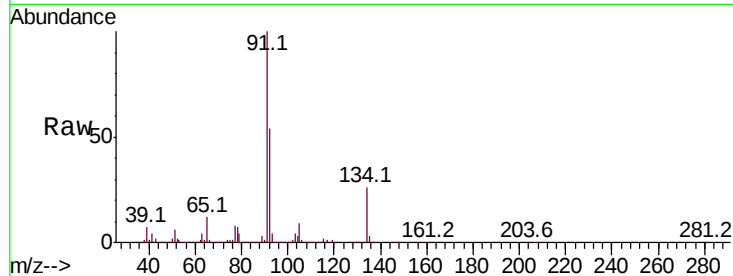
#89
n-Butylbenzene
Concen: 145.823 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.8	80.4
134	25.4	13.0	39.0

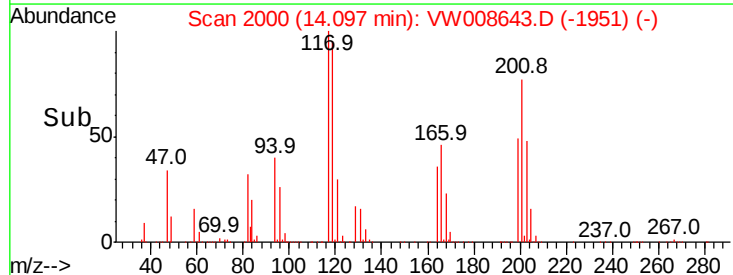
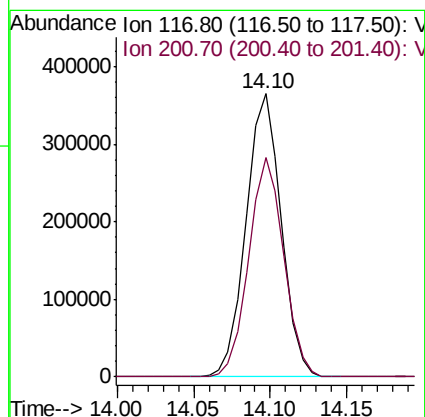
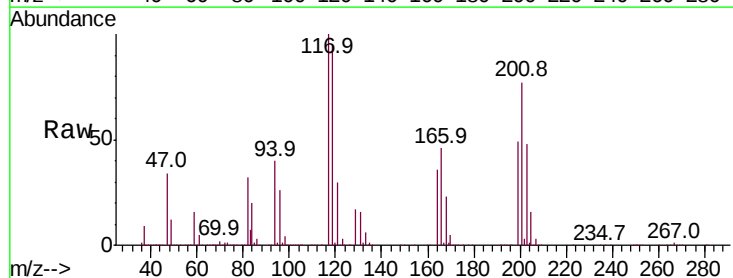
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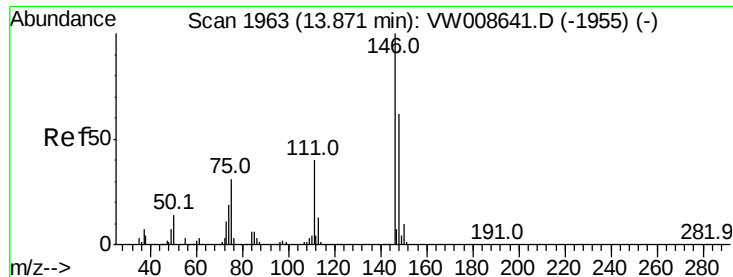
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#90
Hexachloroethane
Concen: 148.368 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	38.7	116.1





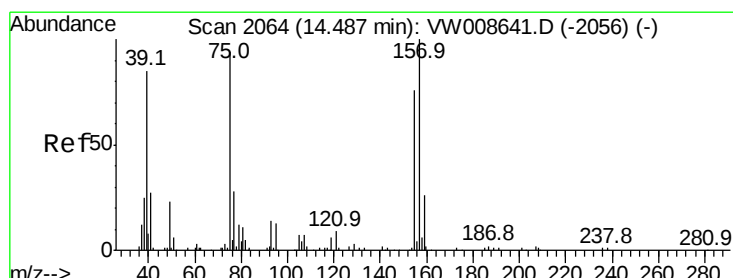
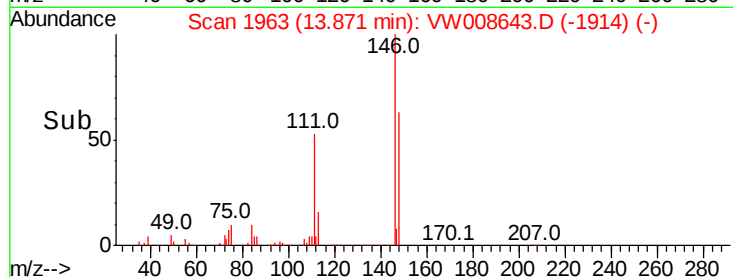
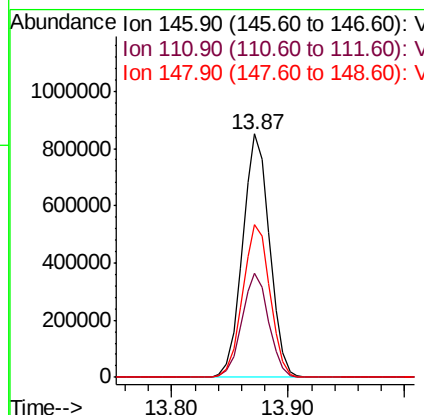
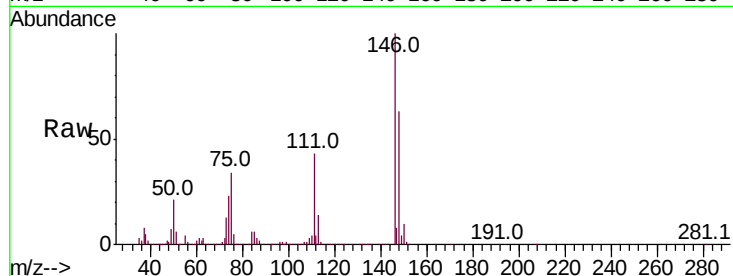
#91
1,2-Dichlorobenzene
Concen: 138.610 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.5	61.5
148	63.6	31.6	94.8

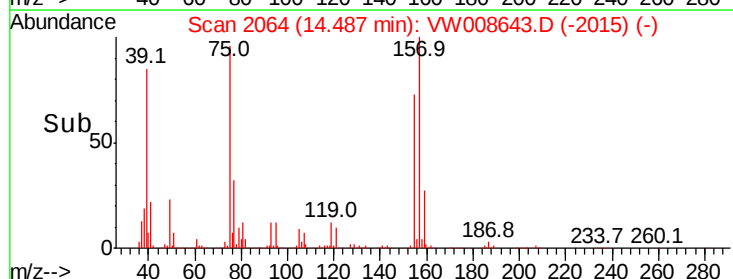
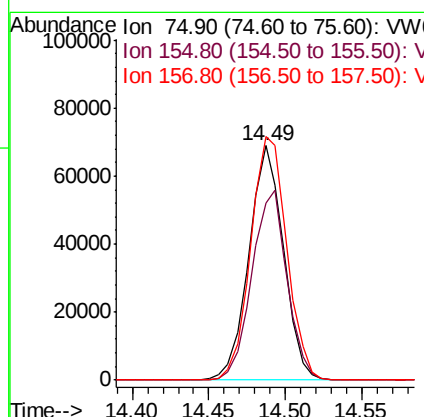
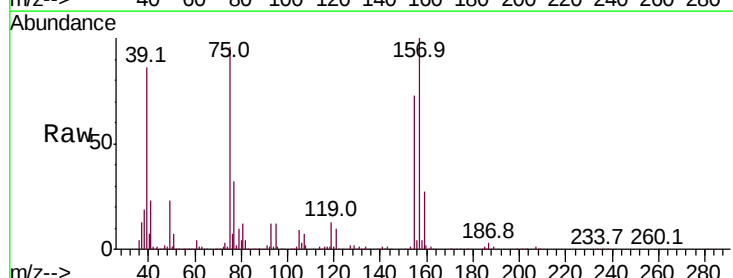
Manual Integrations
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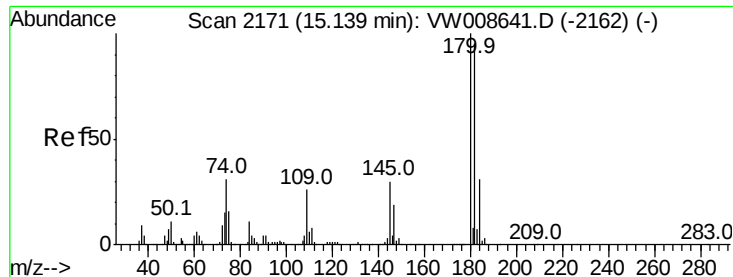
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#92
1,2-Dibromo-3-Chloropropane
Concen: 149.170 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	41.8	125.4
157	108.9	53.8	161.4





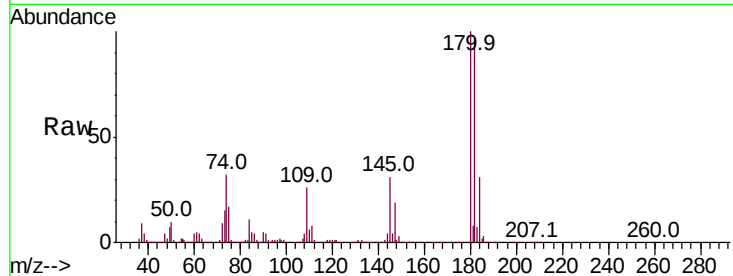
#93
 1,2,4-Trichlorobenzene
 Concen: 136.311 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

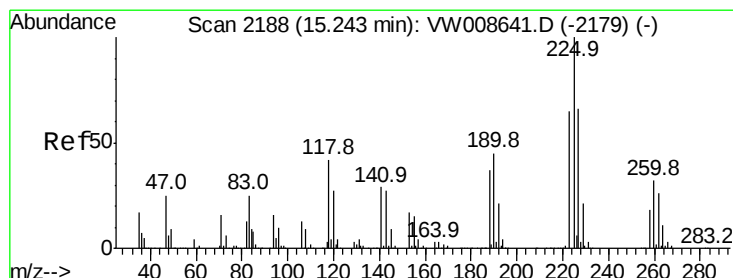
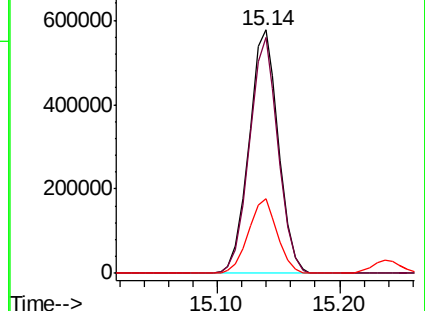
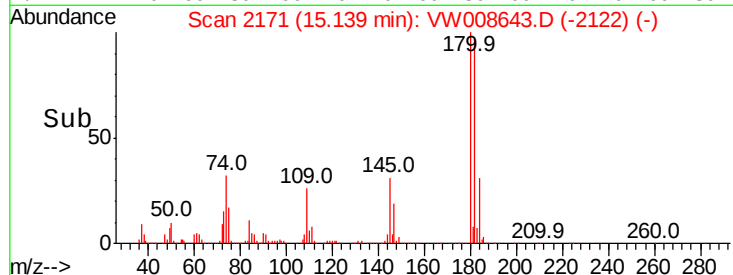
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.5	142.5	
145	30.1	15.1	45.3	

Manual Integrations
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MMDadoda
 2/14/2019 2:09:09 PM

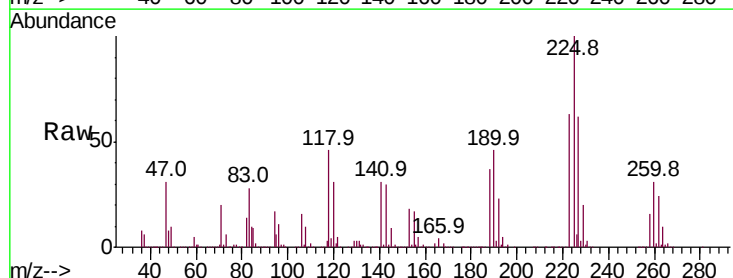


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

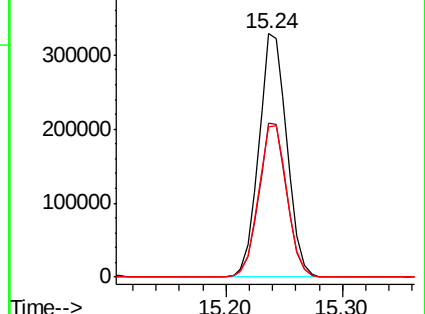
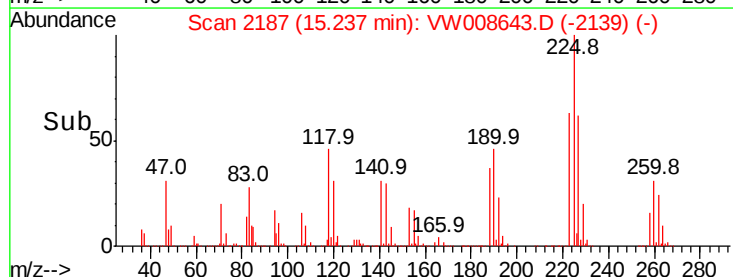


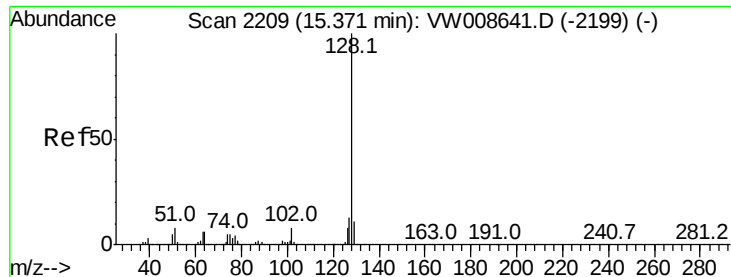
#94
 Hexachlorobutadiene
 Concen: 134.683 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008643.D
 Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.4	94.3	
227	63.5	32.4	97.0	



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





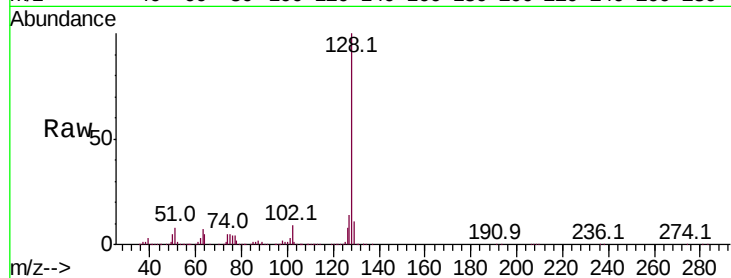
#95
Naphthalene
Concen: 147.032 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 2:09:09 PM

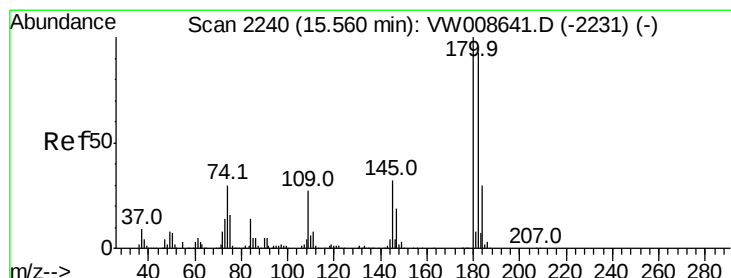
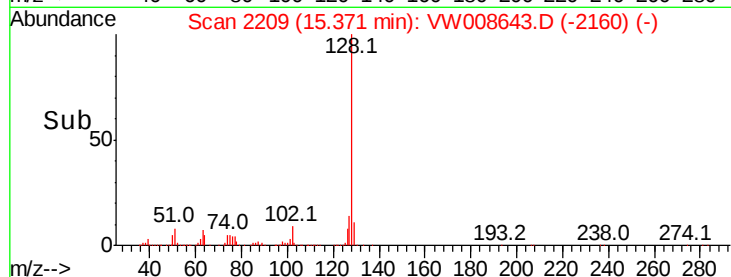
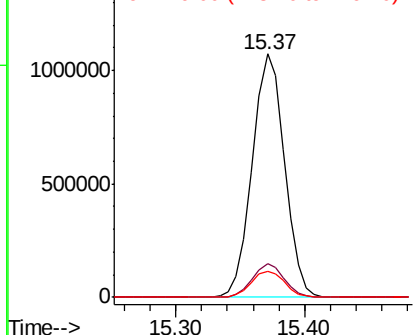


Abundance

Ion 128.00 (127.70 to 128.70): V

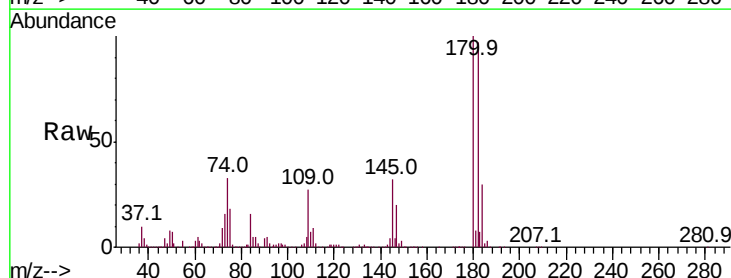
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 137.794 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008643.D
Acq: 13 Feb 2019 16:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.5
145	32.4	15.9	47.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

