

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013666.D
 Acq On : 23 Oct 2019 13:34
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

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 10/24/2019 1:26:56 PM

Quant Time: Oct 23 14:11:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	358058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	443631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	219167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	398943	142.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.50%	
35) Dibromofluoromethane	7.88	113	414365	143.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.12%	
50) Toluene-d8	10.32	98	1710144	140.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.66%	
62) 4-Bromofluorobenzene	12.62	95	569870	139.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	237310	188.833	ug/l	100
3) Chloromethane	2.21	50	272255	133.085	ug/l	97
4) Vinyl Chloride	2.37	62	394681	129.307	ug/l	98
5) Bromomethane	2.78	94	260285	141.046	ug/l	99
6) Chloroethane	2.92	64	243045	139.487	ug/l	99
7) Trichlorofluoromethane	3.26	101	260610	173.828	ug/l	97
8) Diethyl Ether	3.68	74	219287	144.742	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	403848	134.174	ug/l	99
10) Methyl Iodide	4.28	142	684770	142.726	ug/l	100
11) Tert butyl alcohol	5.20	59	107292	477.349	ug/l	96
12) 1,1-Dichloroethene	4.04	96	433242	138.632	ug/l	97
13) Acrolein	3.89	56	136578	635.406	ug/l	99
14) Allyl chloride	4.67	41	685320	142.623	ug/l	99
15) Acrylonitrile	5.37	53	450993	650.385	ug/l	98
16) Acetone	4.13	43	426033	670.158	ug/l	96
17) Carbon Disulfide	4.38	76	1245192	141.450	ug/l	99
18) Methyl Acetate	4.67	43	221906	122.405	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	527990	115.564	ug/l	99
20) Methylene Chloride	4.92	84	425243	119.572	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	471178	141.457	ug/l	97
22) Diisopropyl ether	6.31	45	1239784	138.056	ug/l	95
23) Vinyl Acetate	6.25	43	3817408	711.785	ug/l	99
24) 1,1-Dichloroethane	6.21	63	787456	142.513	ug/l	99
25) 2-Butanone	7.17	43	590736	633.338	ug/l	98
26) 2,2-Dichloropropane	7.16	77	405968	116.565	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	509388	144.312	ug/l	100
28) Bromochloromethane	7.51	49	303347	153.806	ug/l #	99
29) Tetrahydrofuran	7.53	42	364798	640.658	ug/l	100
30) Chloroform	7.67	83	759628	142.297	ug/l	99
31) Cyclohexane	7.95	56	759189	130.360	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	596744	138.182	ug/l	99
36) 1,1-Dichloropropene	8.08	75	633631	135.856	ug/l	99
37) Ethyl Acetate	7.25	43	260659	126.365	ug/l	99
38) Carbon Tetrachloride	8.07	117	578999	140.328	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	840255	138.968	ug/l	99
40) Benzene	8.32	78	1821063	139.562	ug/l	100
41) Methacrylonitrile	7.48	41	156505	132.653	ug/l	99
42) 1,2-Dichloroethane	8.40	62	469540	142.297	ug/l	99
43) Isopropyl Acetate	8.42	43	508196	135.120	ug/l	98
44) Trichloroethene	9.09	130	519848	139.615	ug/l	99
45) 1,2-Dichloropropane	9.37	63	443303	141.390	ug/l	96
46) Dibromomethane	9.46	93	219292	140.853	ug/l	98
47) Bromodichloromethane	9.65	83	574478	147.698	ug/l	98
48) Methyl methacrylate	9.43	41	255779	137.257	ug/l	98
49) 1,4-Dioxane	9.46	88	60331	2276.965	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	1238392	630.778	ug/l	99
52) Toluene	10.38	92	1181605	140.521	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	601274	149.181	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	730470	149.141	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	322074	138.223	ug/l	99
56) Ethyl methacrylate	10.65	69	442857	142.916	ug/l	100
57) 1,3-Dichloropropane	10.93	76	563948	140.757	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1035281	710.529	ug/l	99
59) 2-Hexanone	10.97	43	881868	656.612	ug/l	98
60) Dibromochloromethane	11.13	129	403799	150.572	ug/l	99
61) 1,2-Dibromoethane	11.23	107	312258	140.796	ug/l	100
64) Tetrachloroethene	10.86	164	451148	137.252	ug/l	97
65) Chlorobenzene	11.66	112	1233333	139.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	440218	142.631	ug/l	99
67) Ethyl Benzene	11.73	91	2221672	136.999	ug/l	99
68) m/p-Xylenes	11.84	106	1722817	279.271	ug/l	97
69) o-Xylene	12.16	106	802020	140.455	ug/l	98
70) Styrene	12.18	104	1395243	142.394	ug/l	99
71) Bromoform	12.35	173	241046	143.574	ug/l #	98
73) Isopropylbenzene	12.46	105	2136769	135.834	ug/l	99
74) N-amyl acetate	12.27	43	462331	136.878	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	342300	129.204	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	215507m	119.683	ug/l	
77) Bromobenzene	12.74	156	521912	139.520	ug/l	99
78) n-propylbenzene	12.80	91	2501258	137.445	ug/l	100
79) 2-Chlorotoluene	12.89	91	1397891	136.857	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1802598	137.246	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	122780	138.955	ug/l	98
82) 4-Chlorotoluene	12.99	91	1463606	137.736	ug/l	98
83) tert-Butylbenzene	13.21	119	1612968	138.300	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1768510	136.144	ug/l	100
85) sec-Butylbenzene	13.38	105	2176748	135.589	ug/l	100
86) p-Isopropyltoluene	13.49	119	2019217	136.552	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	987615	138.882	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	965675	138.563	ug/l	100
89) n-Butylbenzene	13.82	91	1845460	138.210	ug/l	100
90) Hexachloroethane	14.09	117	359902	141.295	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	853502	136.366	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	52506	125.096	ug/l	98

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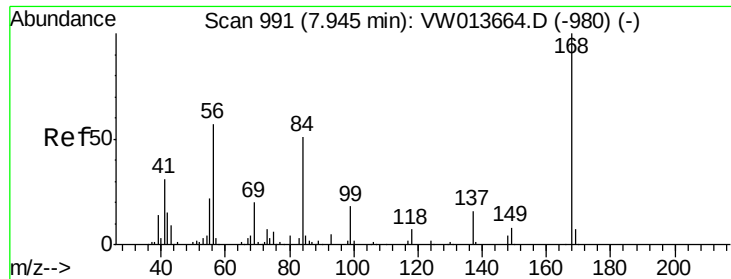
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	661386	148.756	ug/l	99
94) Hexachlorobutadiene	15.24	225	415008	140.512	ug/l	98
95) Naphthalene	15.36	128	1103365	145.088	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	562345	144.560	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013666.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 358058

Ion Ratio Lower Upper

168 100

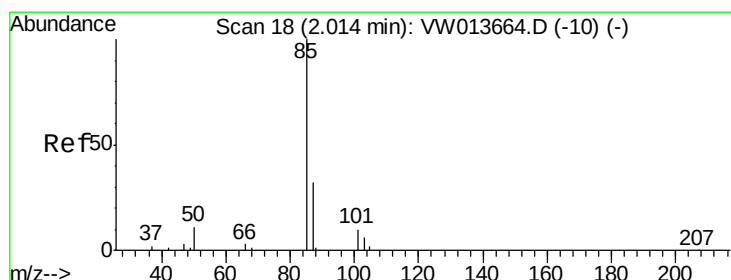
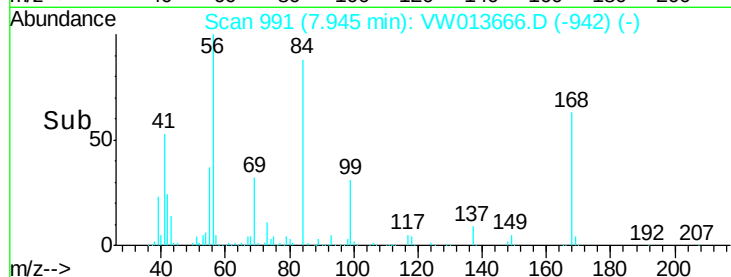
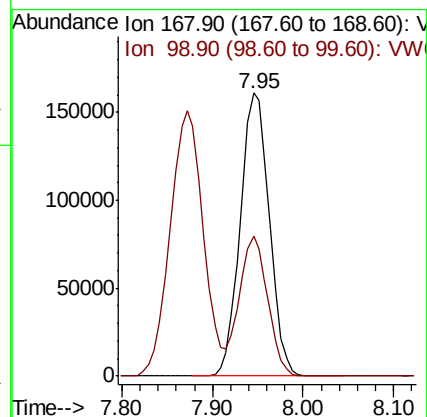
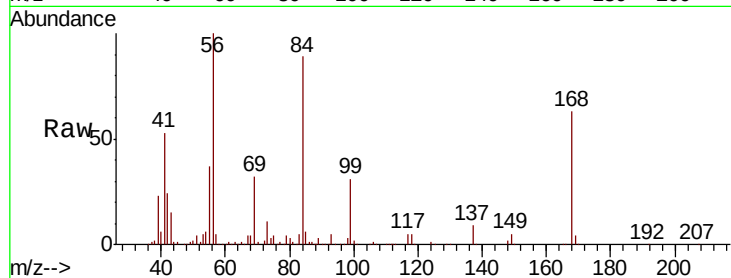
99 49.3 39.0 58.6

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#2

Dichlorodifluoromethane

Concen: 188.833 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013666.D

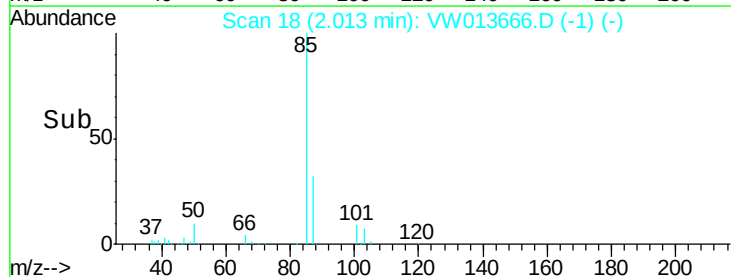
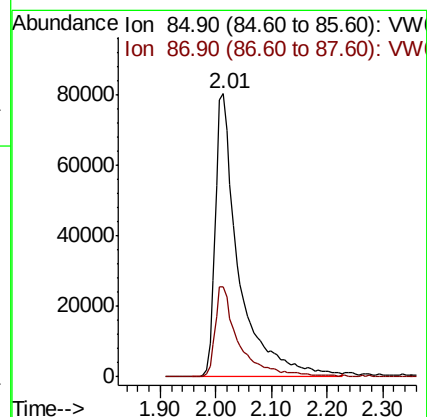
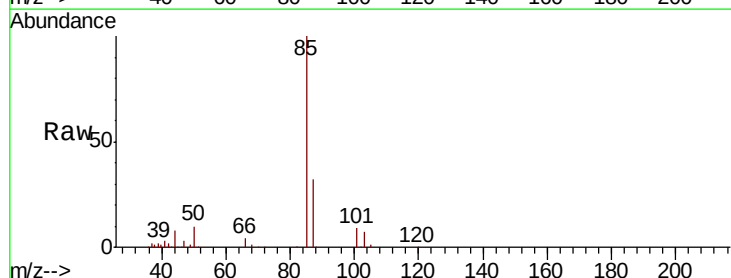
Acq: 23 Oct 2019 13:34

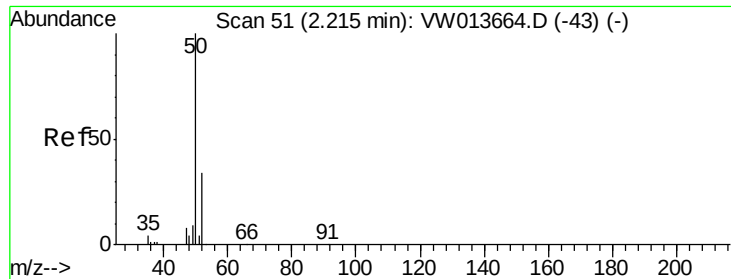
Tgt Ion: 85 Resp: 237310

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0





#3

Chloromethane

Concen: 133.085 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 272255

Ion Ratio Lower Upper

50 100

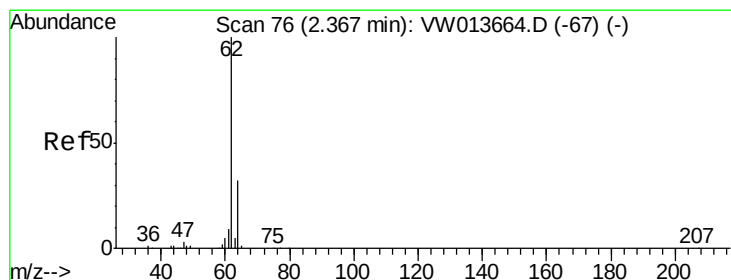
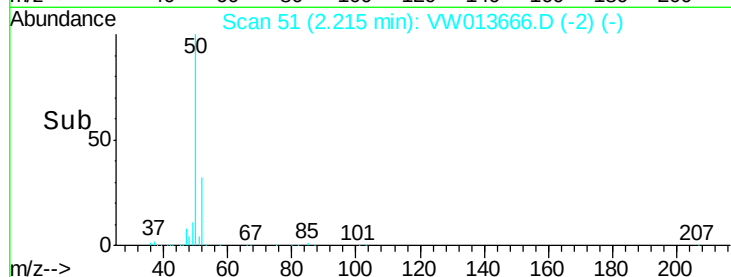
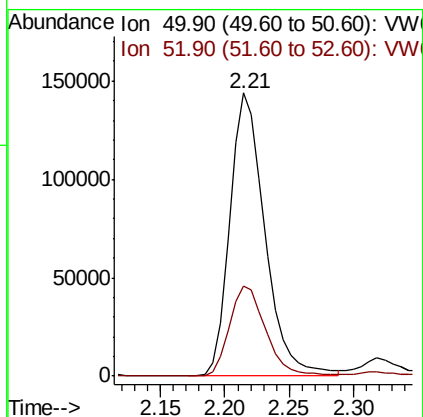
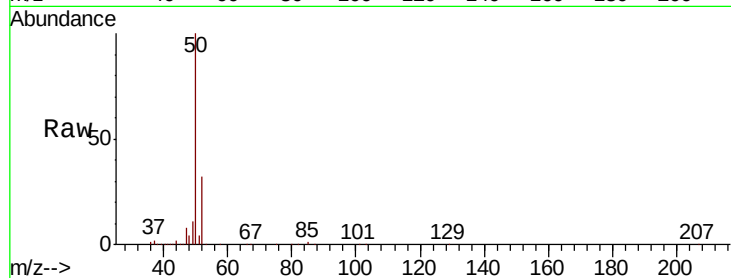
52 31.7 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 129.307 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013666.D

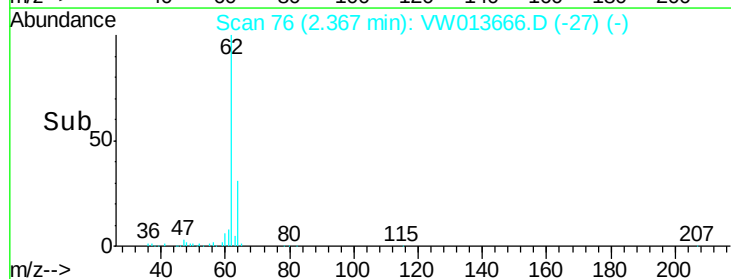
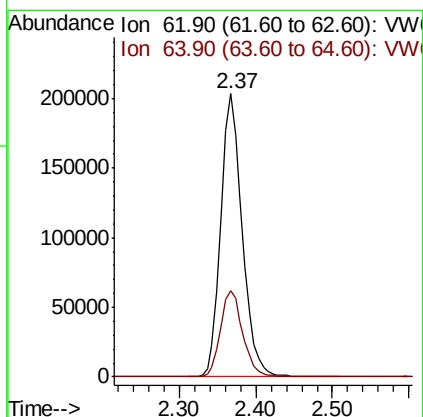
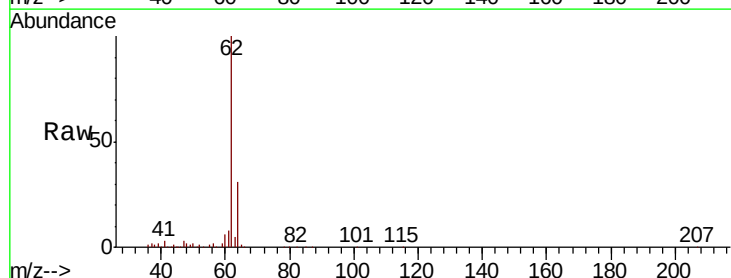
Acq: 23 Oct 2019 13:34

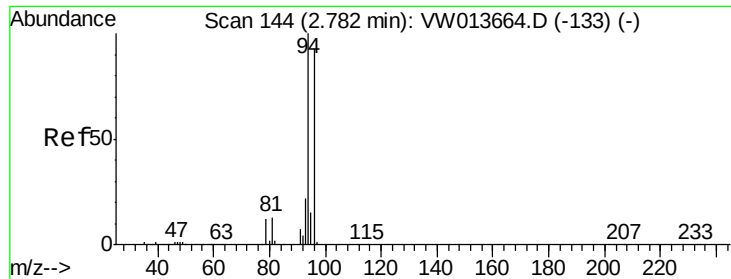
Tgt Ion: 62 Resp: 394681

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 141.046 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 260285

Ion Ratio Lower Upper

94 100

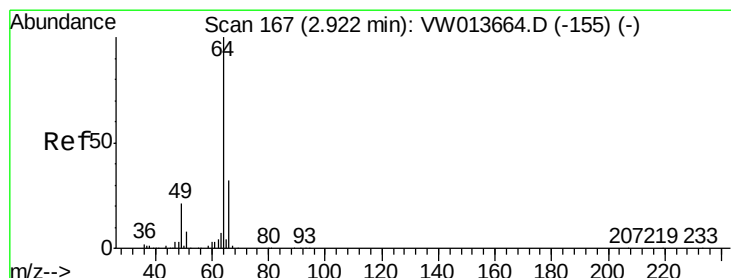
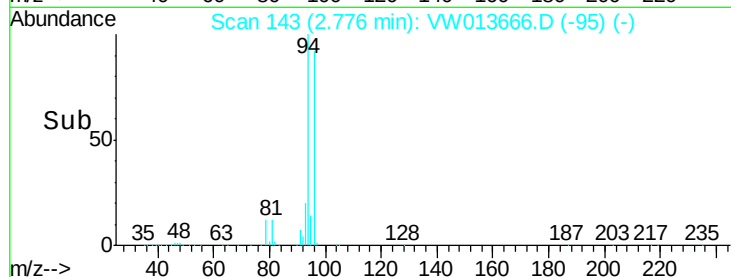
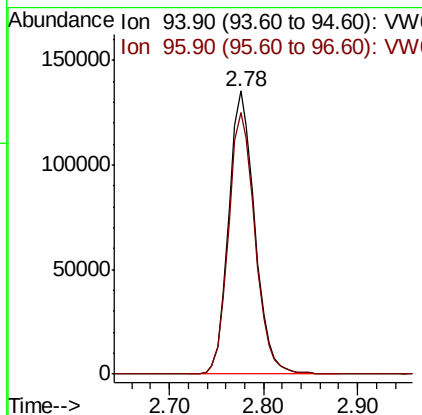
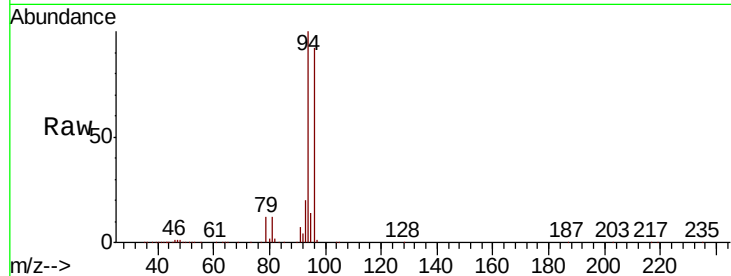
96 92.3 74.6 112.0

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#6

Chloroethane

Concen: 139.487 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013666.D

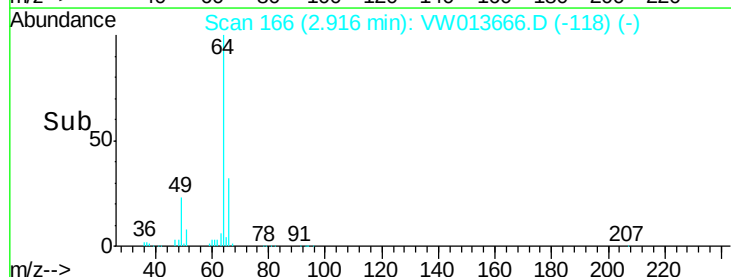
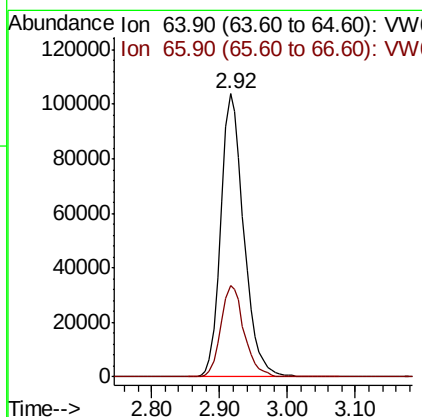
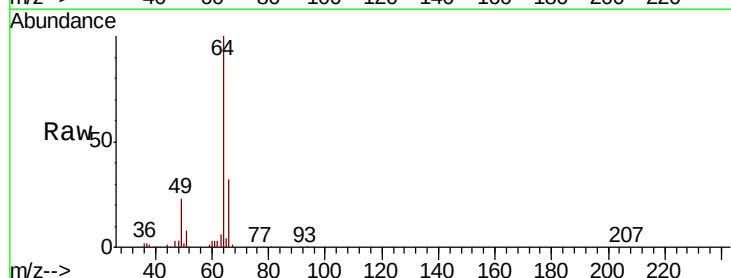
Acq: 23 Oct 2019 13:34

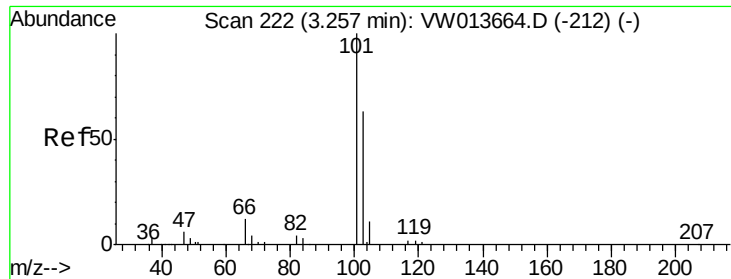
Tgt Ion: 64 Resp: 243045

Ion Ratio Lower Upper

64 100

66 32.3 25.4 38.0





#7

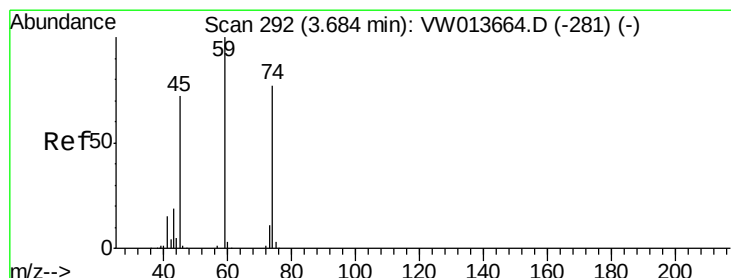
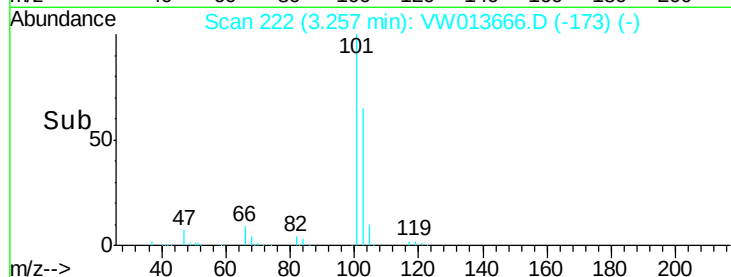
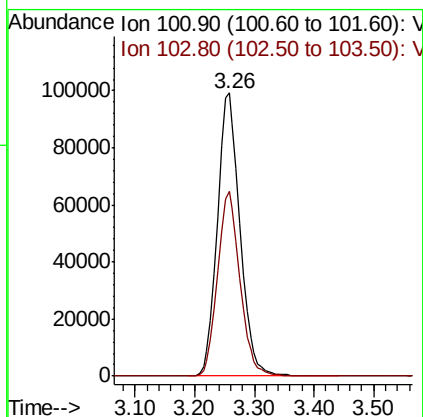
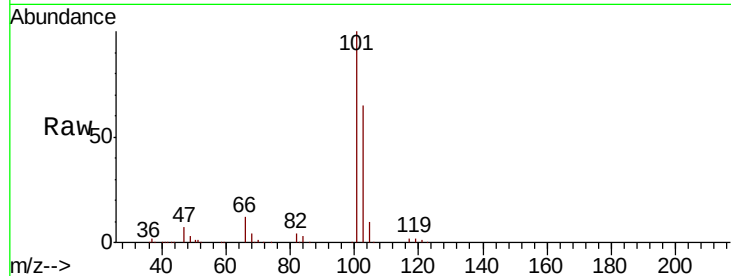
Trichlorofluoromethane
Concen: 173.828 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	260610		
103	65.4	50.6	76.0	

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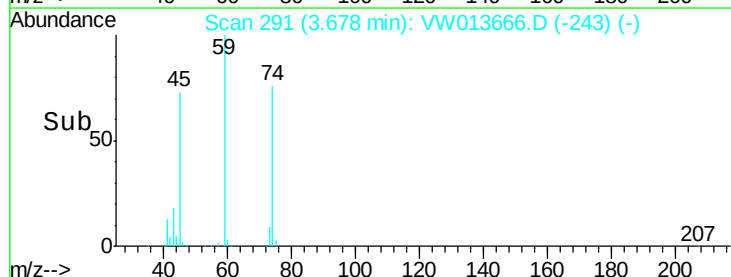
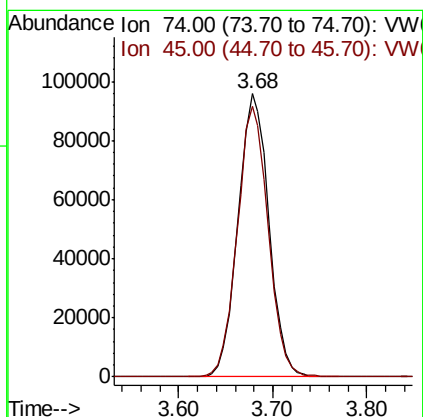
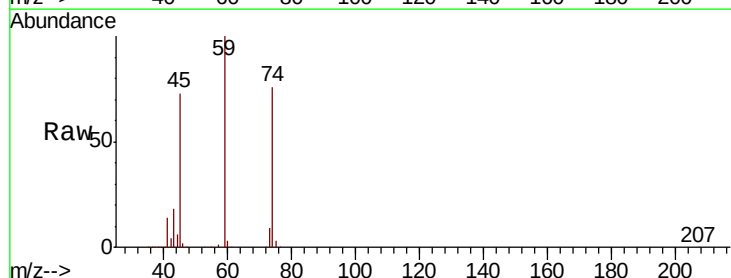
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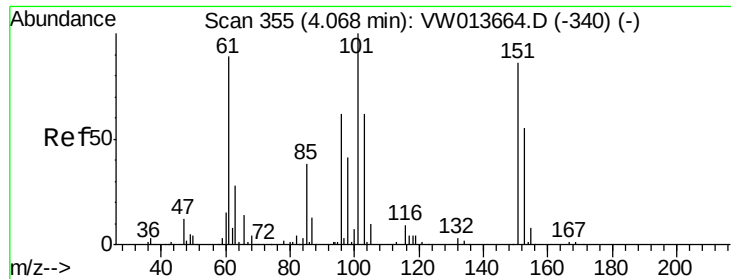


#8

Diethyl Ether
Concen: 144.742 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	219287		
45	95.8	47.9	143.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.174 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

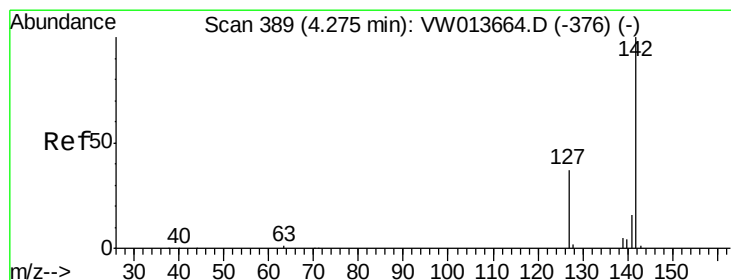
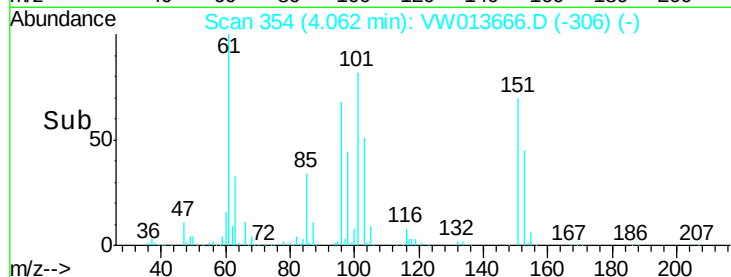
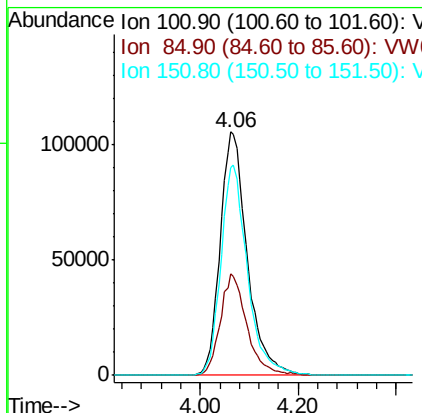
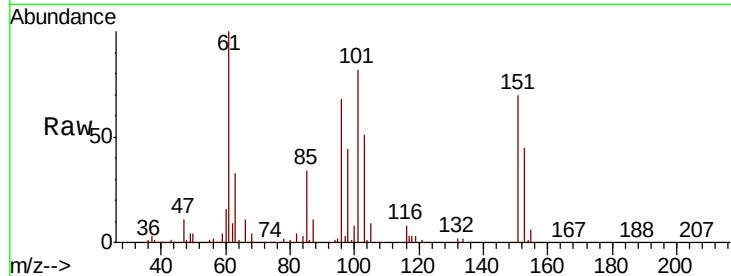
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	403848
Ion Ratio	Lower	Upper	
101	100		
85	40.7	31.0	46.6
151	84.7	68.2	102.4

Manual Integrations
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#10

Methyl Iodide

Concen: 142.726 ug/l

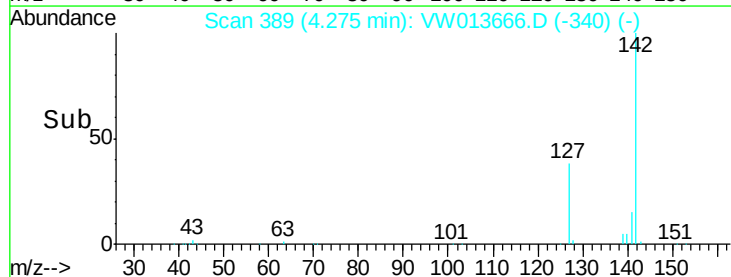
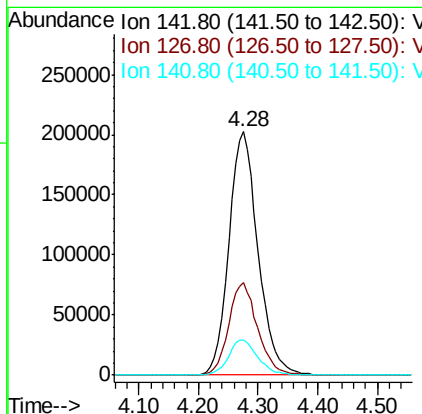
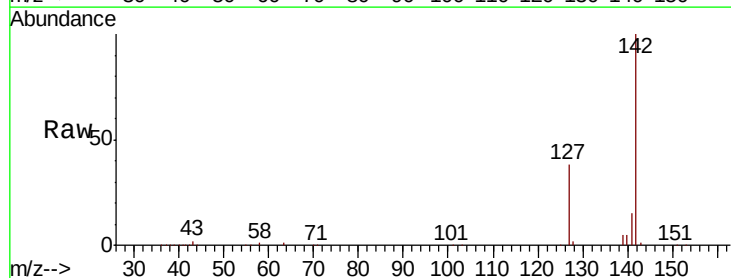
RT: 4.28 min Scan# 389

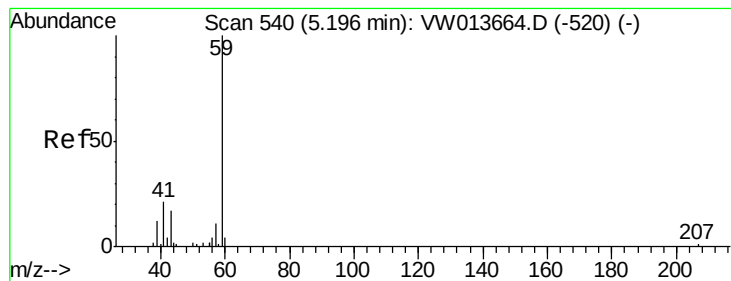
Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion:	142	Resp:	684770
Ion Ratio	Lower	Upper	
142	100		
127	37.7	30.3	45.5
141	14.6	11.8	17.8





#11

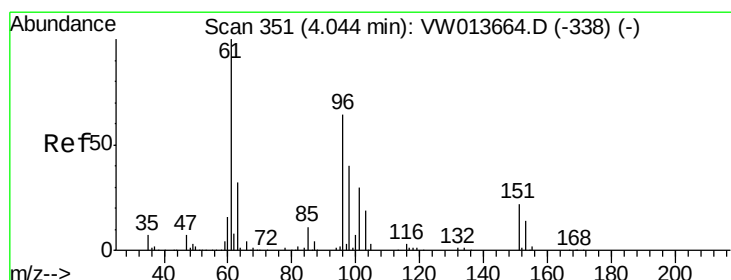
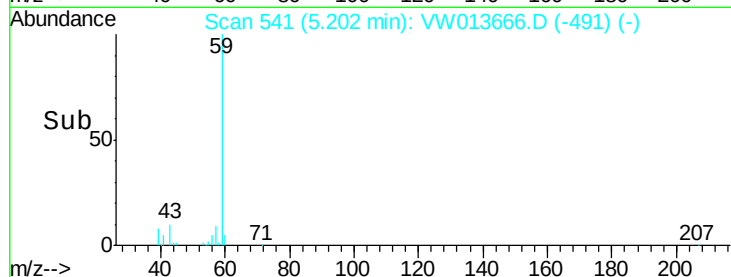
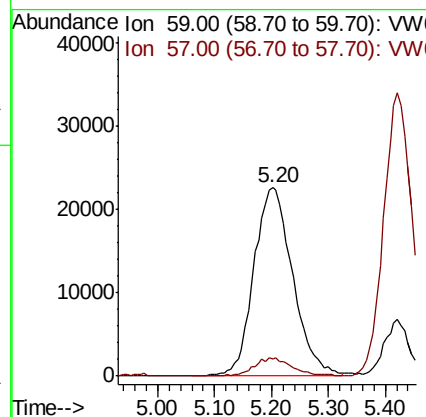
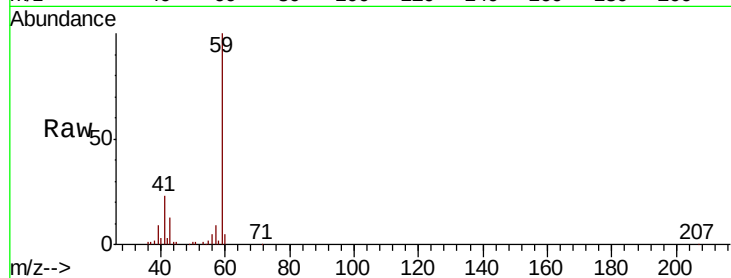
Tert butyl alcohol
Concen: 477.349 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	59	57	Ratio	100	9.6	Resp	107292	Lower	8.8	Upper	13.2
Ion	59	57	Ratio	100	9.6	Resp	107292	Lower	8.8	Upper	13.2

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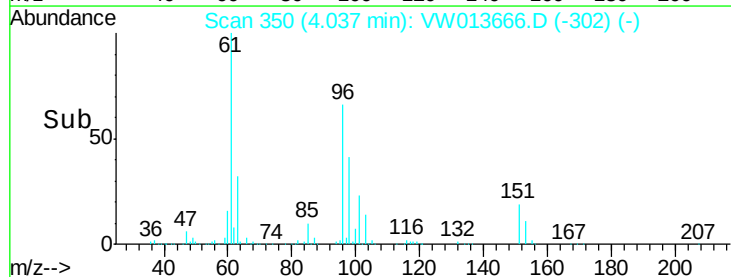
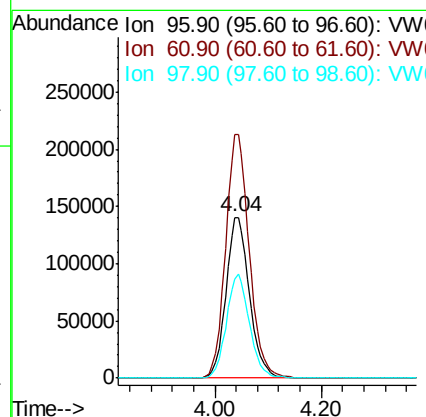
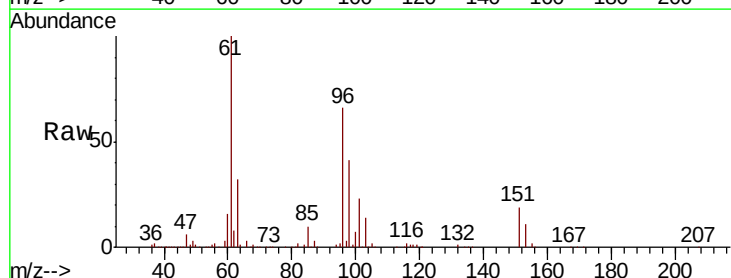
MMDadoda
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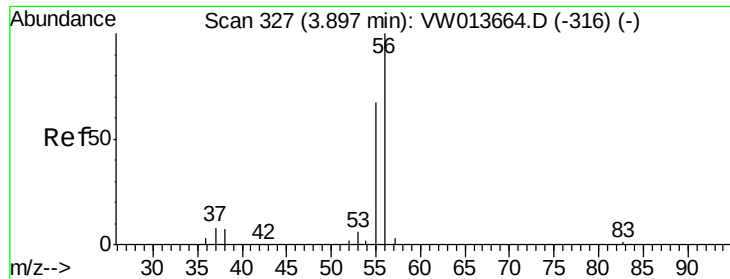


#12

1,1-Dichloroethene
Concen: 138.632 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	96	61	98	Ratio	100	151.7	61.9	Resp	433242	Lower	125.0	50.3	Upper	187.6	75.5
Ion	96	61	98	Ratio	100	151.7	61.9	Resp	433242	Lower	125.0	50.3	Upper	187.6	75.5





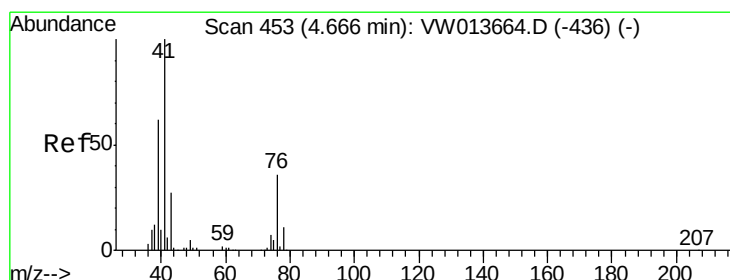
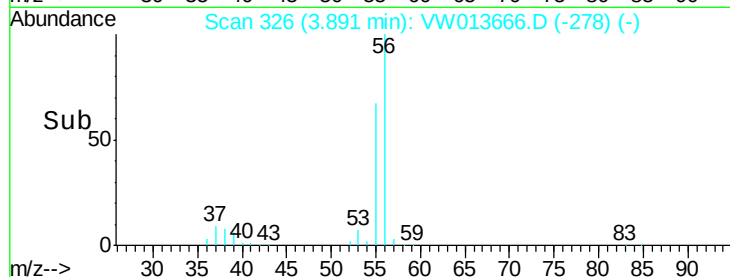
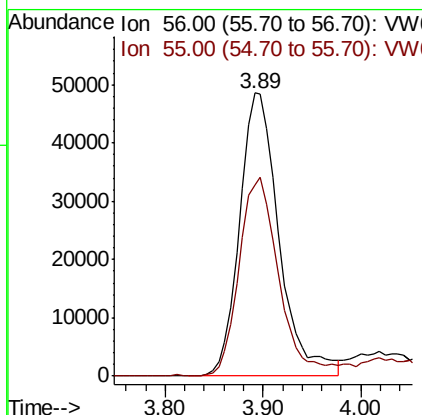
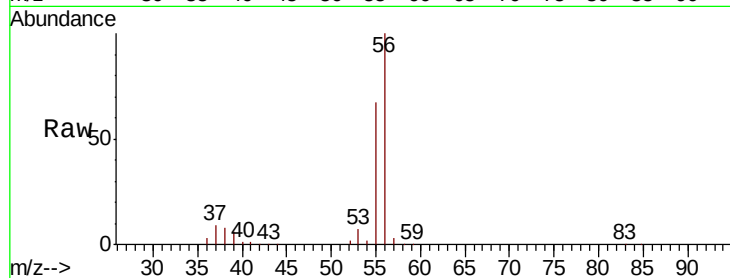
#13
Acrolein
Concen: 635.406 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	56	55	Resp	Ratio	Lower	Upper
136578	100	69.0			56.1	84.1

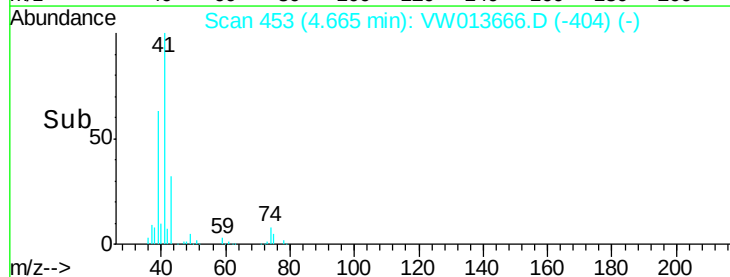
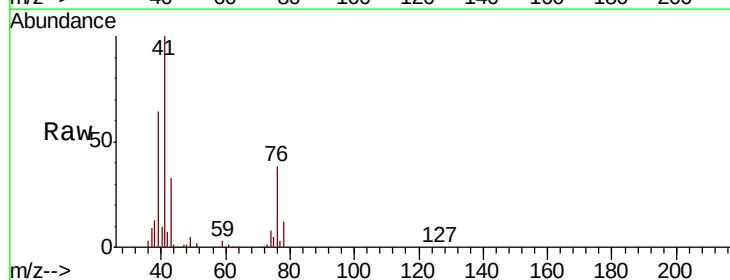
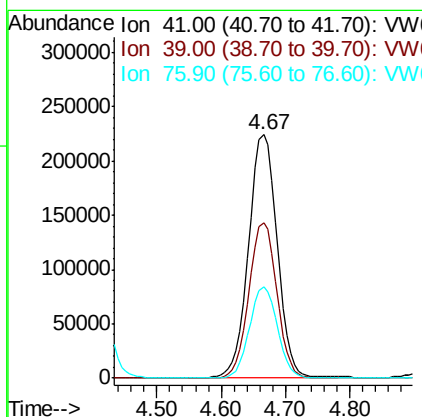
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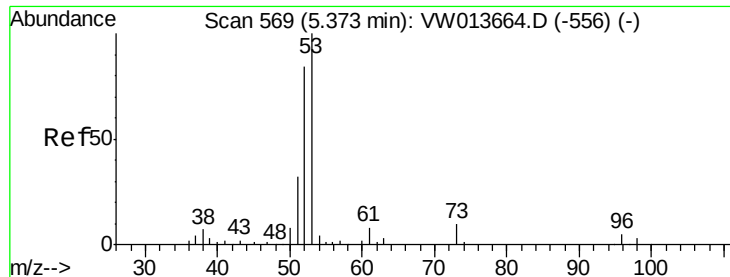
MMDadoda
10/24/2019 1:26:56 PM



#14
Allyl chloride
Concen: 142.623 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	41	39	76	Resp	Ratio	Lower	Upper
685320	100	62.3	36.3			50.0	75.0
						29.6	44.4





#15

Acrylonitrile

Concen: 650.385 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

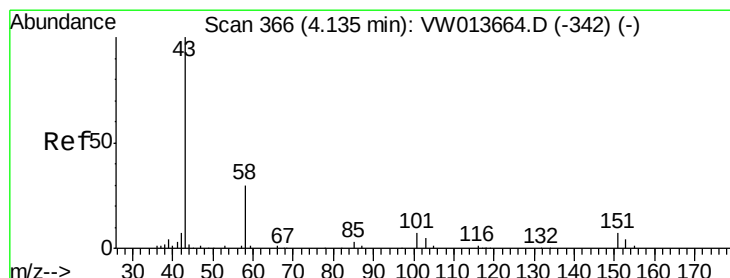
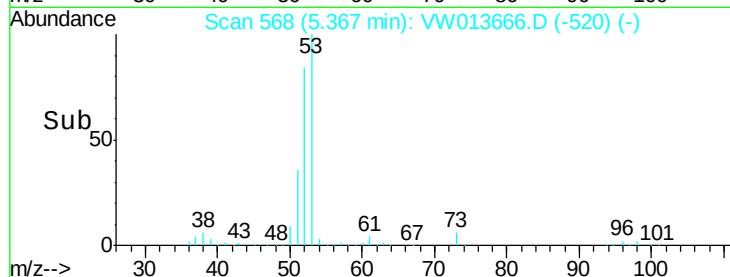
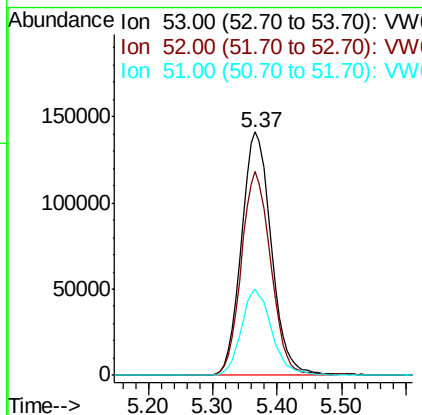
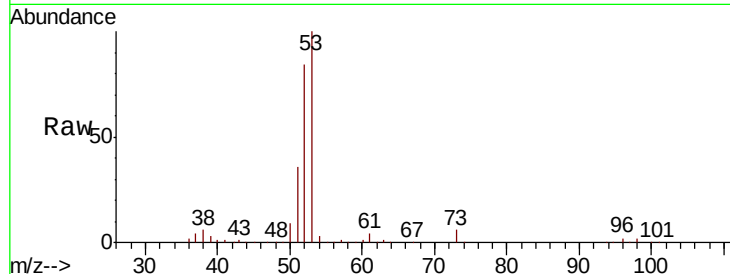
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	450993
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.4	101.0
51	35.8	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 670.158 ug/l

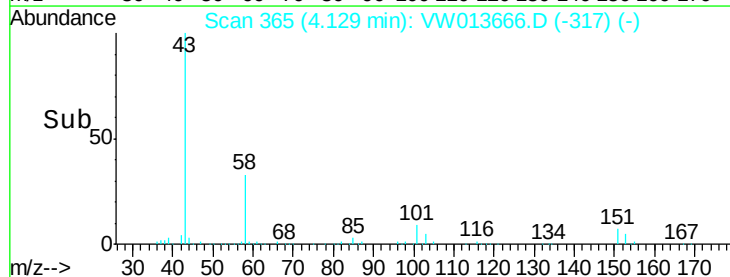
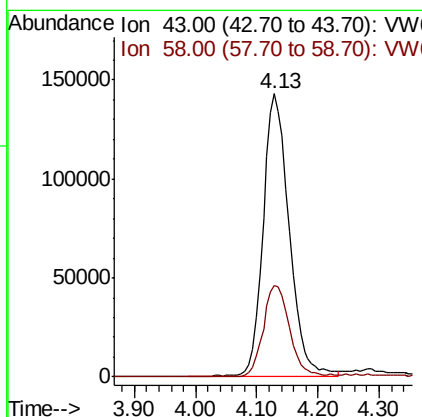
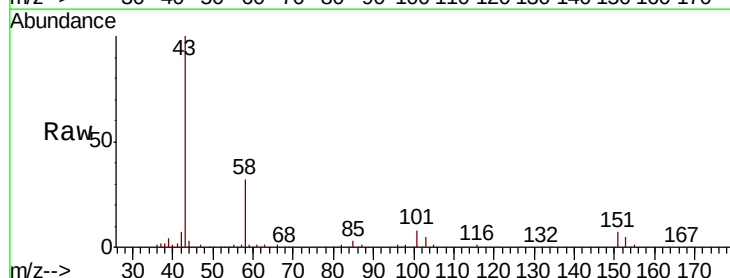
RT: 4.13 min Scan# 365

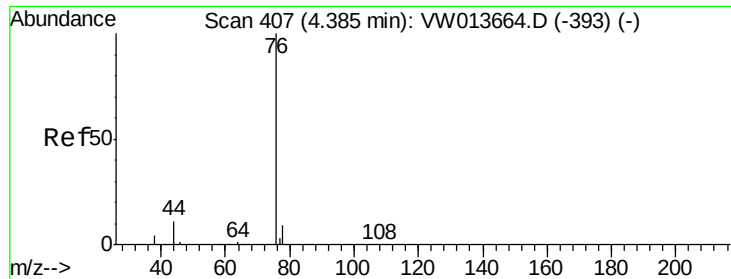
Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion:	43	Resp:	426033
Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.1	36.1





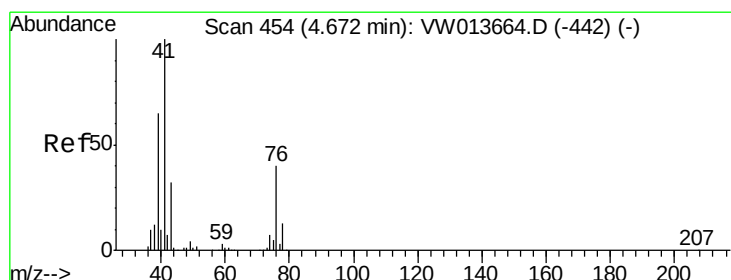
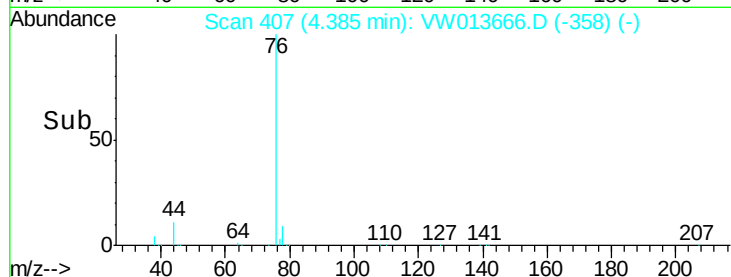
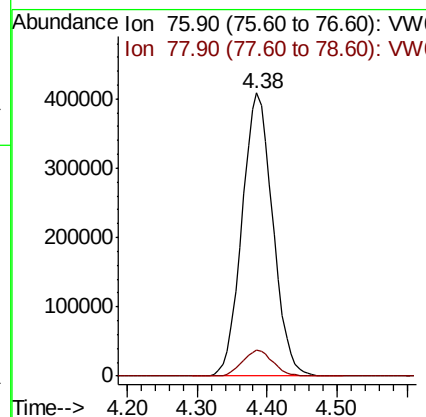
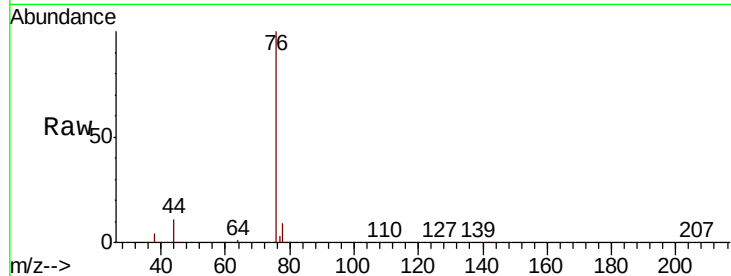
#17
Carbon Disulfide
Concen: 141.450 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1245192
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

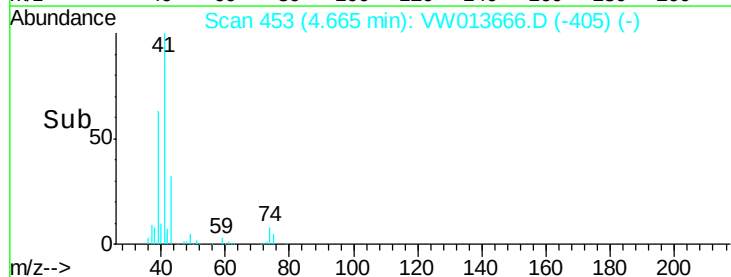
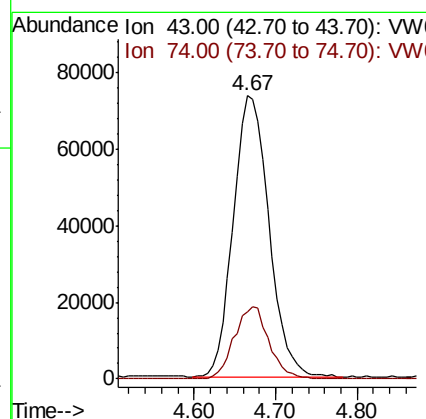
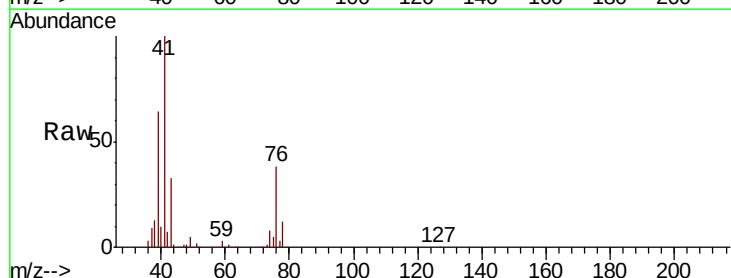
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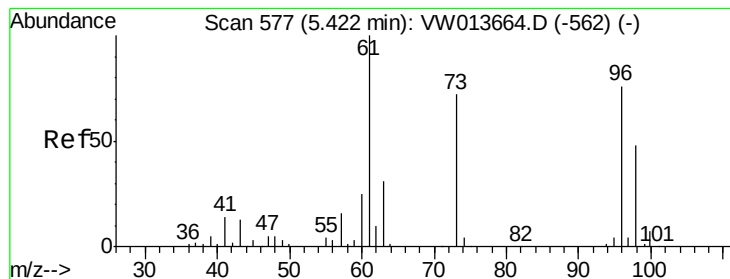
MMDadoda
10/24/2019 1:26:56 PM



#18
Methyl Acetate
Concen: 122.405 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion: 43 Resp: 221906
Ion Ratio Lower Upper
43 100
74 25.0 19.8 29.8





#19

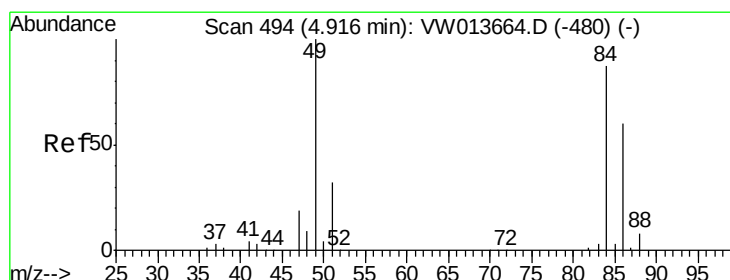
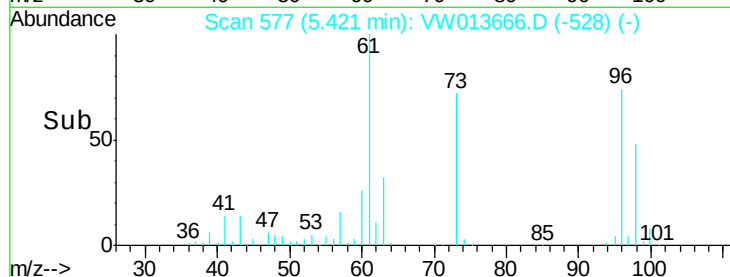
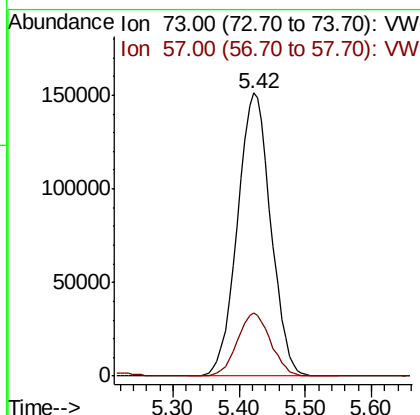
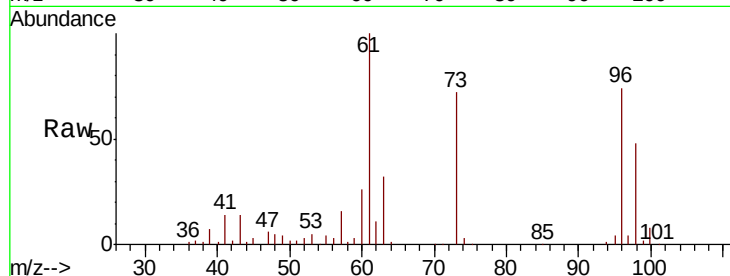
Methyl tert-butyl Ether
 Concen: 115.564 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.6	26.4

Manual Integrations
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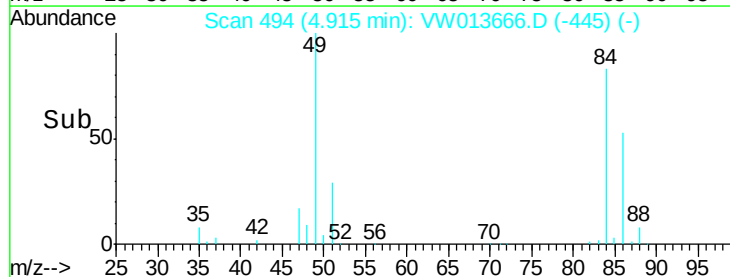
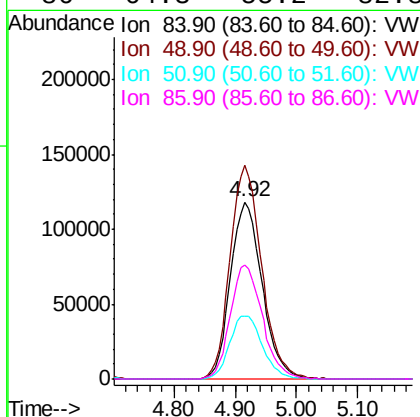
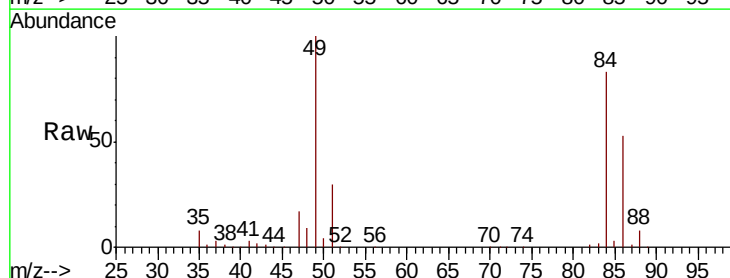
MMDadoda
 10/24/2019 1:26:56 PM

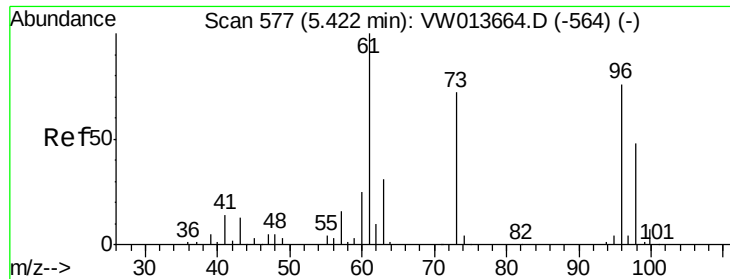


#20

Methylene Chloride
 Concen: 119.572 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.7	91.8	137.6
51	35.7	29.8	44.6
86	64.3	55.2	82.8





#21

trans-1,2-Dichloroethene

Concen: 141.457 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 471178

Ion Ratio Lower Upper

96 100

61 135.3 104.8 157.2

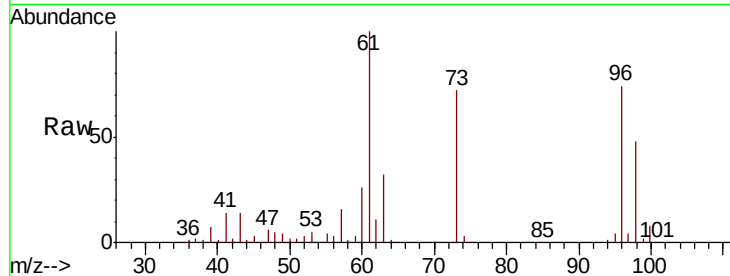
98 65.4 50.6 76.0

Manual Integrations

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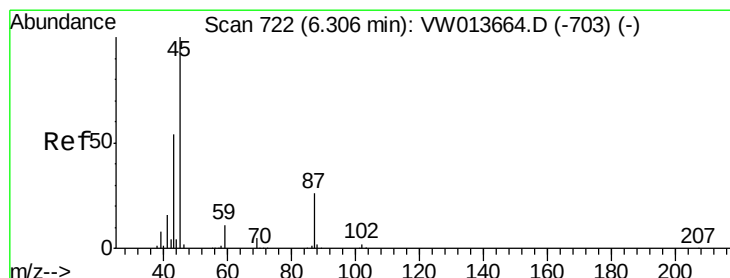
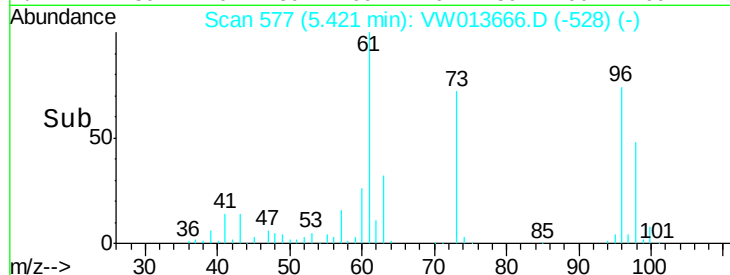
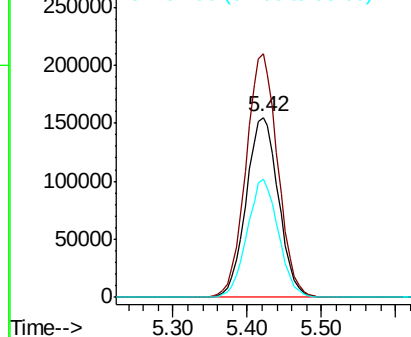


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 138.056 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion: 45 Resp: 1239784

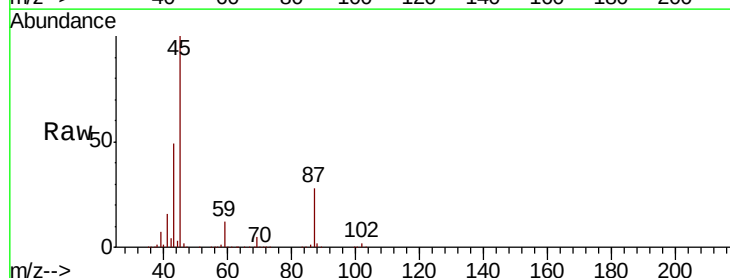
Ion Ratio Lower Upper

45 100

43 48.6 43.4 65.2

87 28.2 21.5 32.3

59 11.7 9.2 13.8



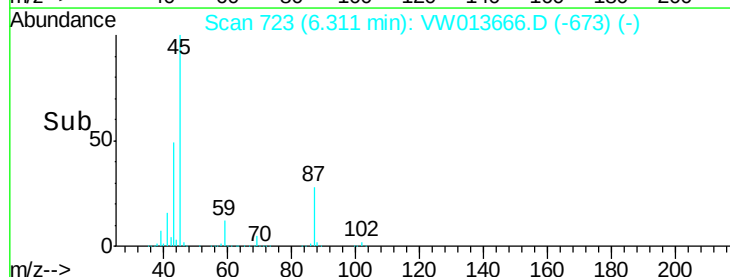
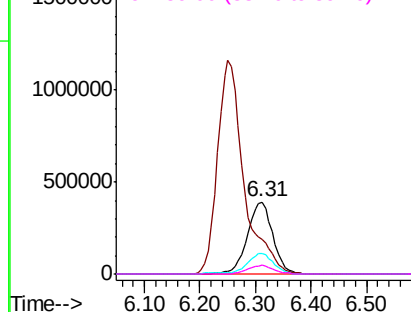
Abundance

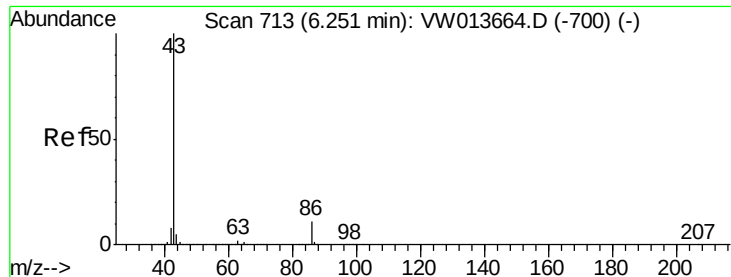
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 711.785 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3817408

Ion Ratio Lower Upper

43 100

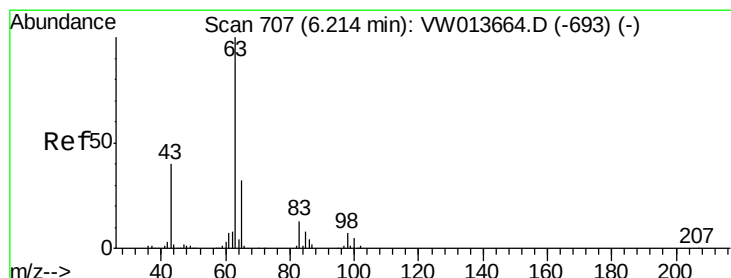
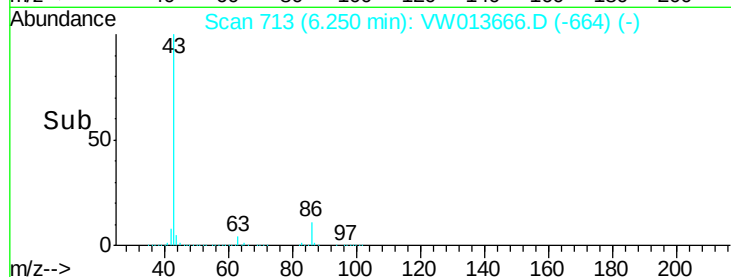
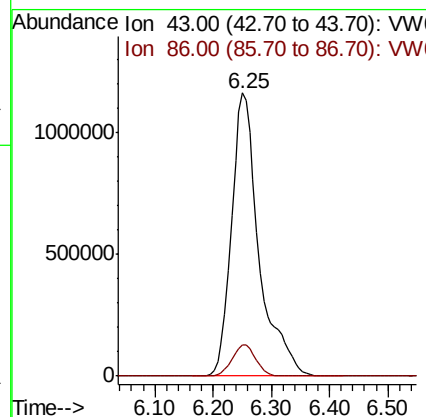
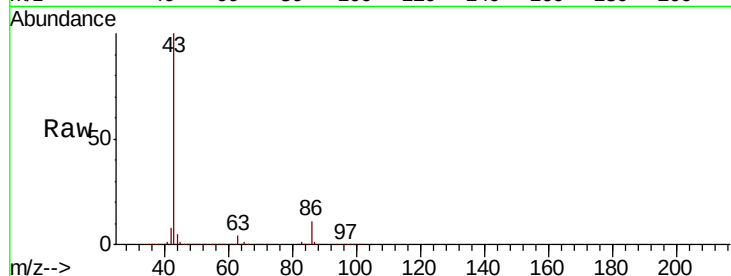
86 11.1 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 142.513 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

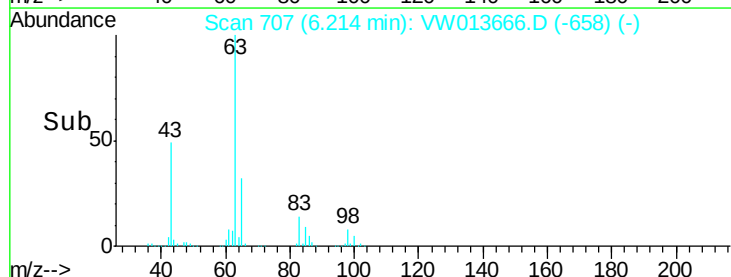
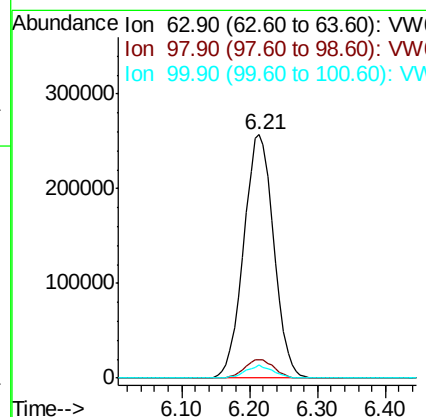
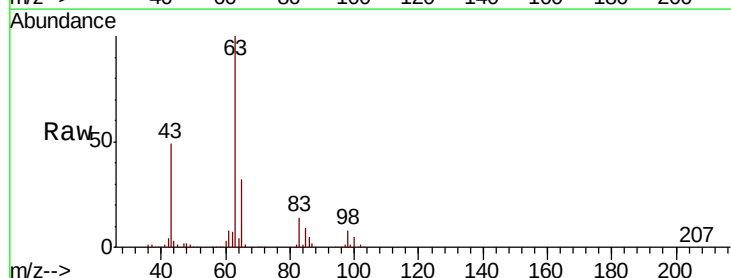
Tgt Ion: 63 Resp: 787456

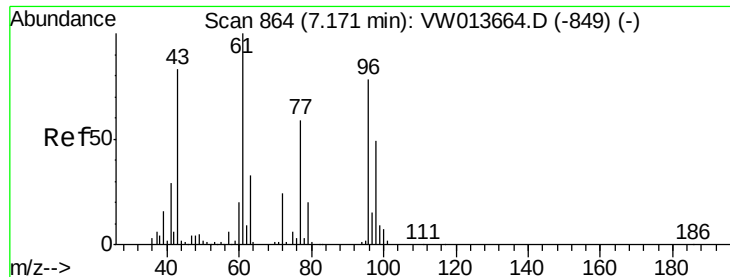
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 5.2 2.5 7.4





#25

2-Butanone

Concen: 633.338 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 590736

Ion Ratio Lower Upper

43 100

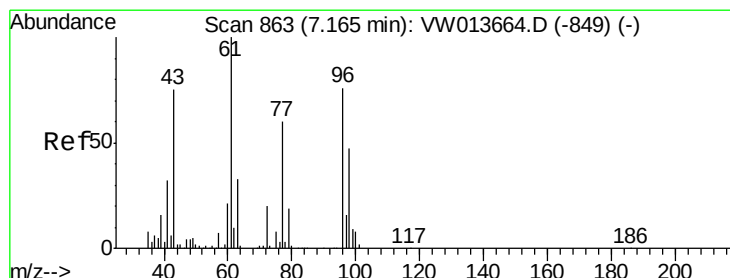
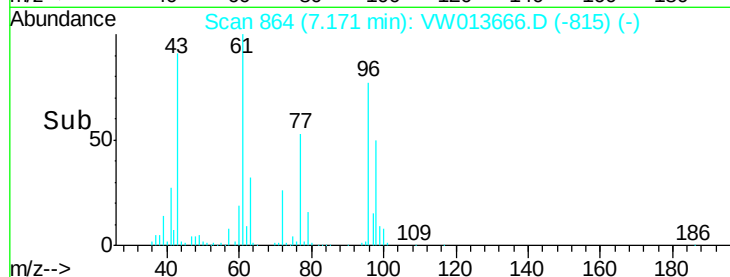
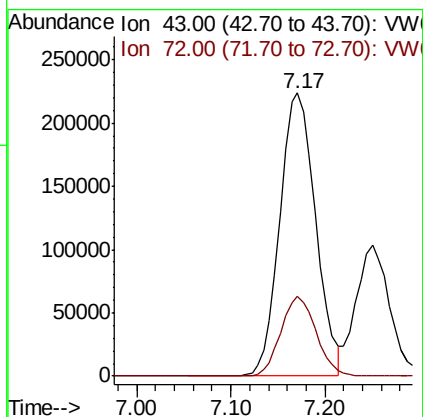
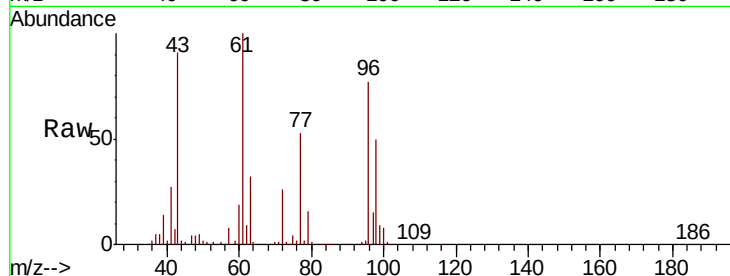
72 28.3 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 116.565 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013666.D

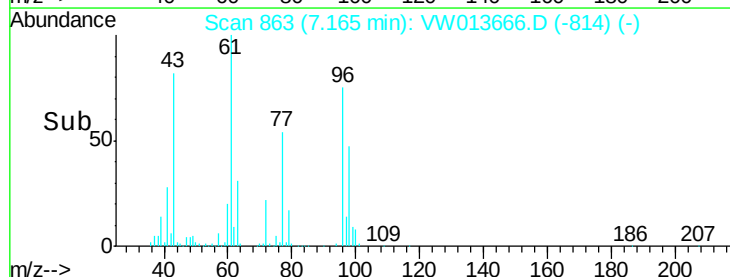
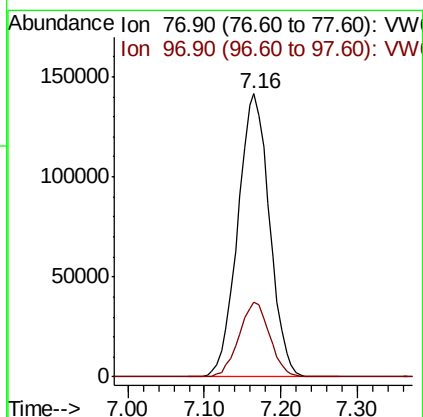
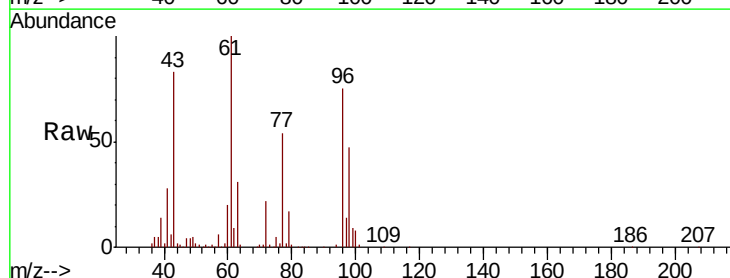
Acq: 23 Oct 2019 13:34

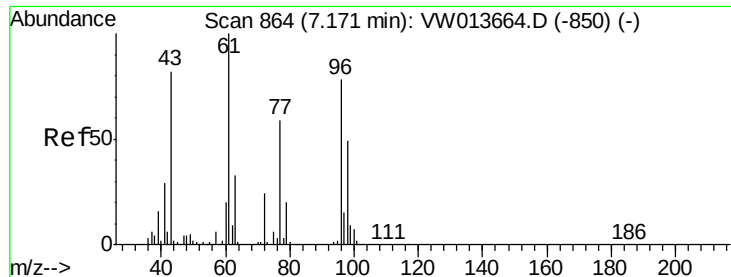
Tgt Ion: 77 Resp: 405968

Ion Ratio Lower Upper

77 100

97 25.6 12.8 38.4





#27

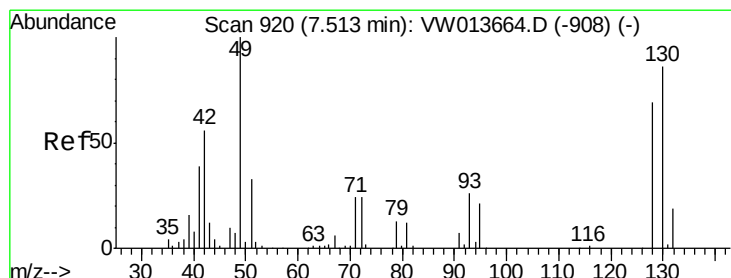
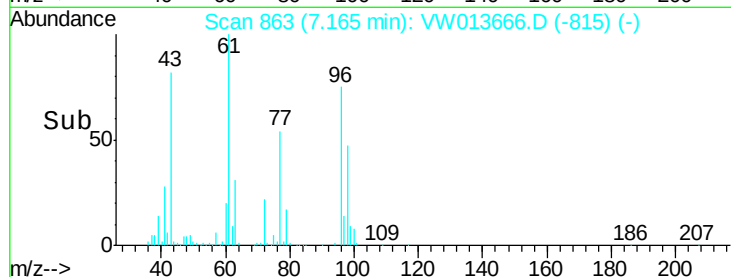
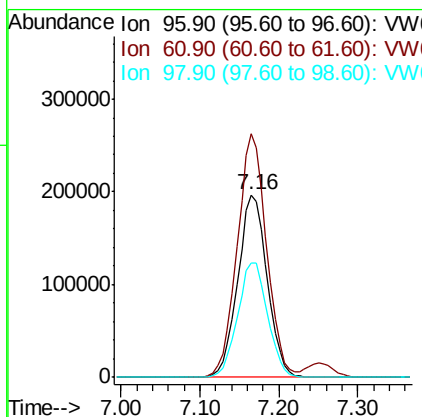
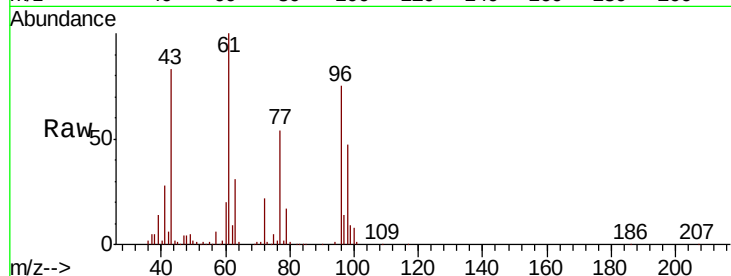
cis-1,2-Dichloroethene
Concen: 144.312 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	509388		
61	133.0		0.0	266.0
98	64.3		0.0	126.8

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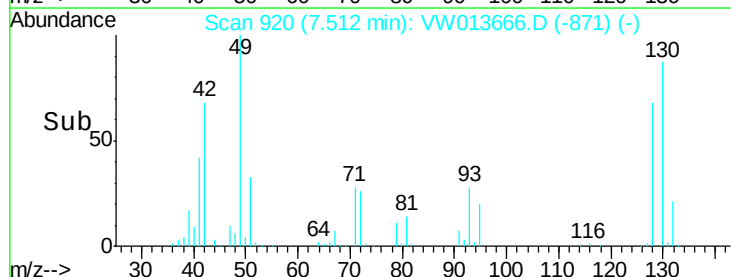
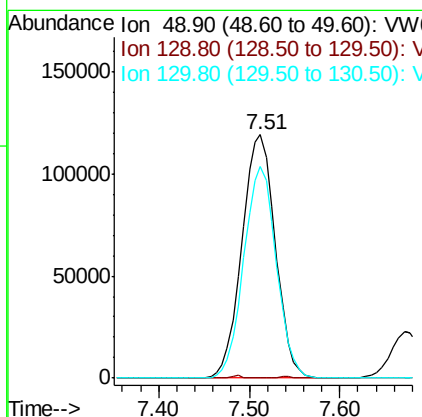
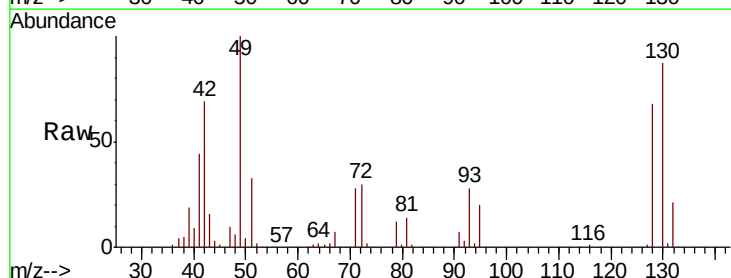
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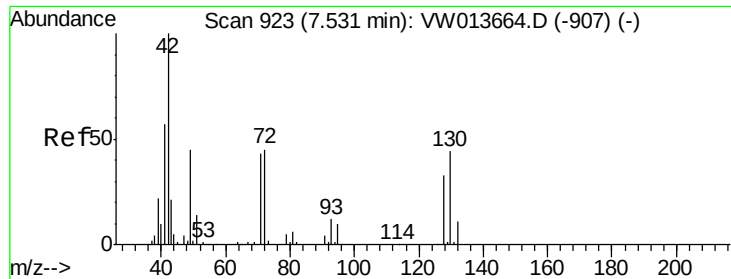


#28

Bromochloromethane
Concen: 153.806 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	303347		
129	0.0		0.0	0.6
130	85.1		67.5	101.3





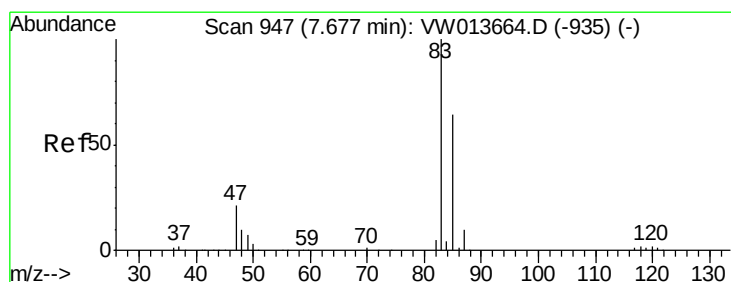
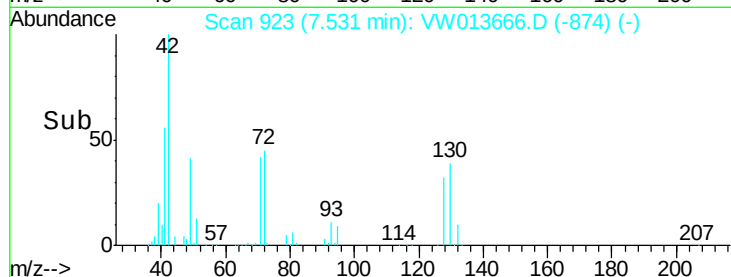
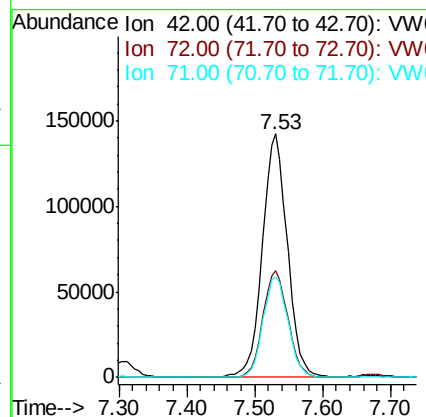
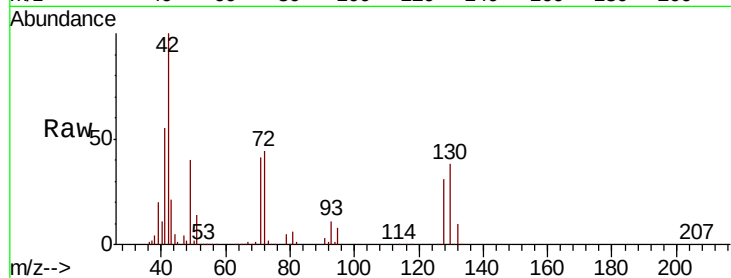
#29
Tetrahydrofuran
Concen: 640.658 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.3	52.9
71	41.5	33.3	49.9

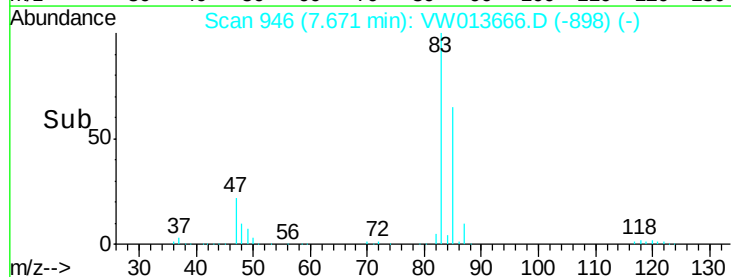
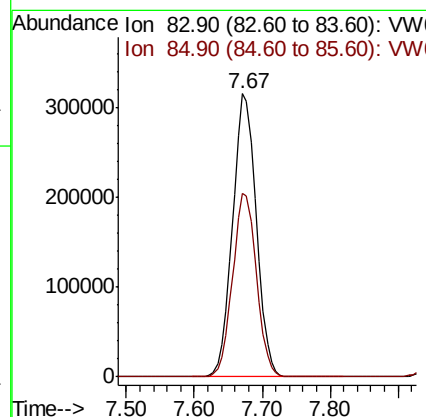
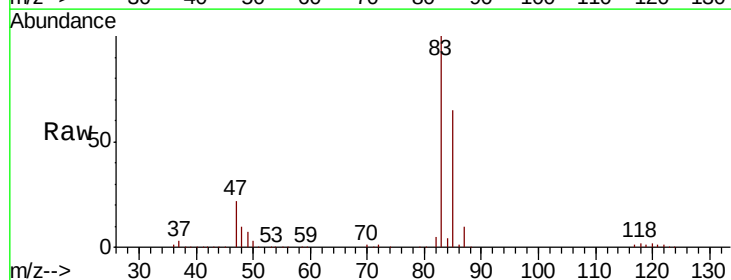
Manual Integrations
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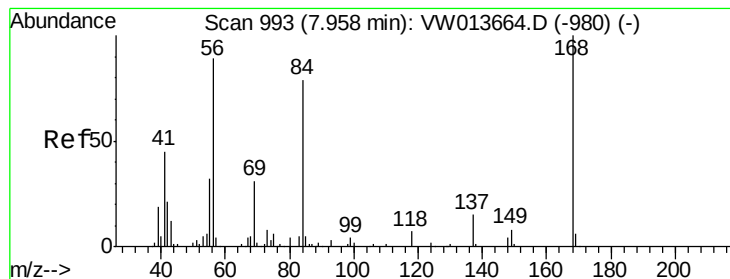
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#30
Chloroform
Concen: 142.297 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2





#31

Cyclohexane

Concen: 130.360 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 759189

Ion Ratio Lower Upper

56 100

69 32.2 27.5 41.3

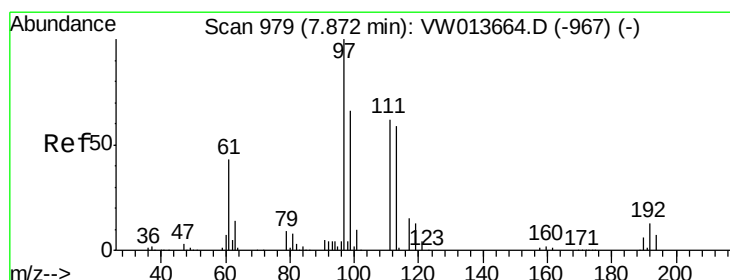
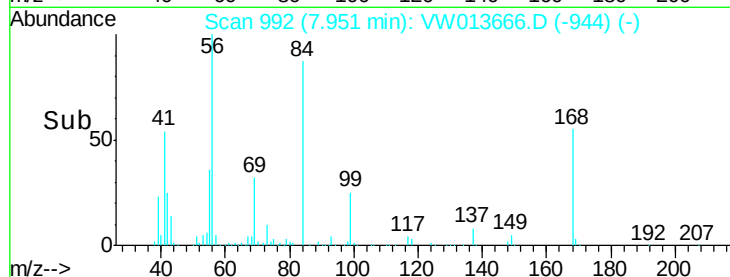
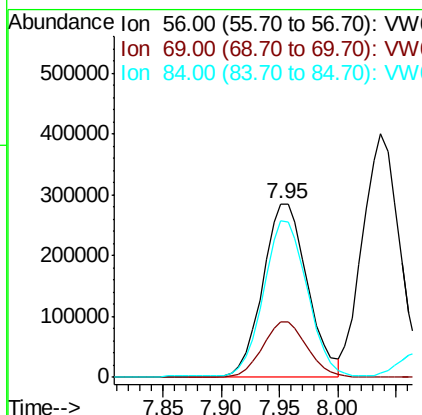
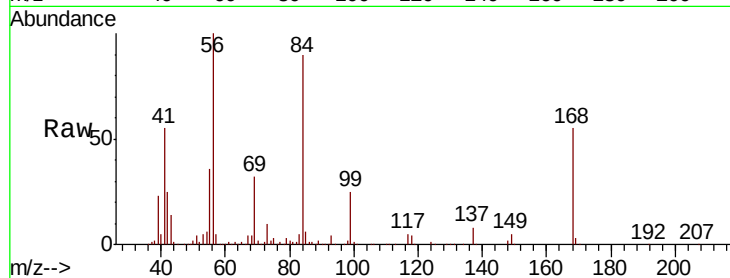
84 88.7 70.8 106.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 138.182 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

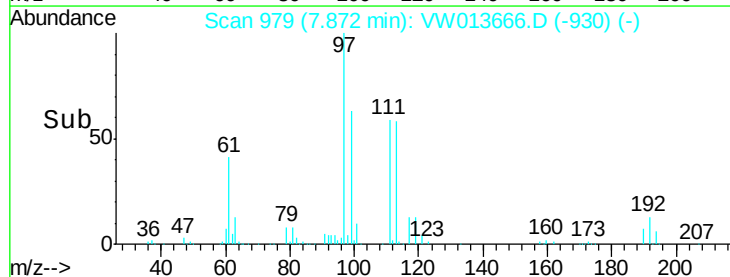
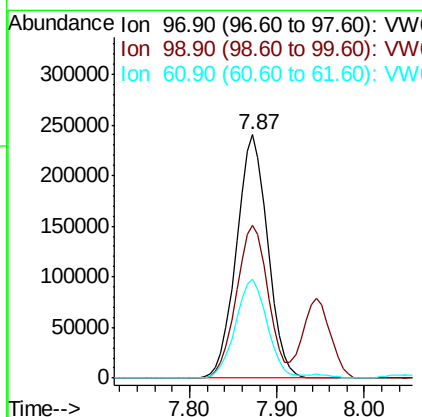
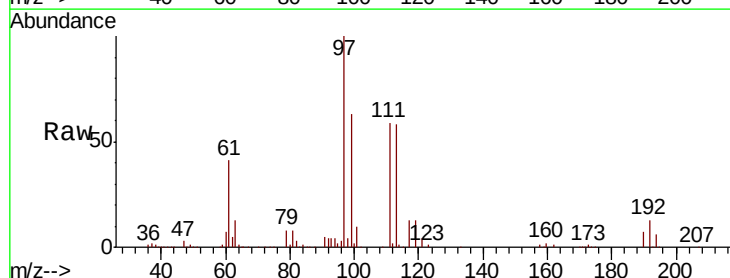
Tgt Ion: 97 Resp: 596744

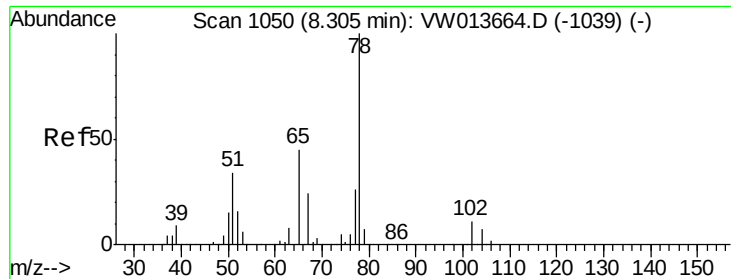
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 41.2 33.8 50.6





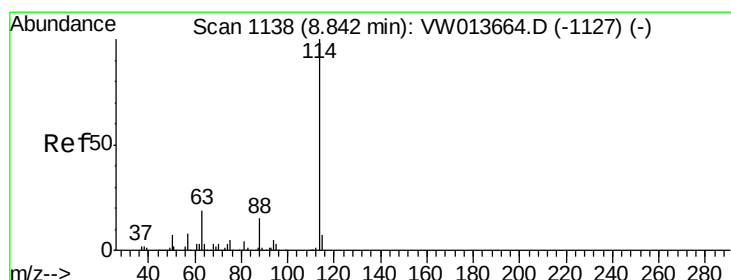
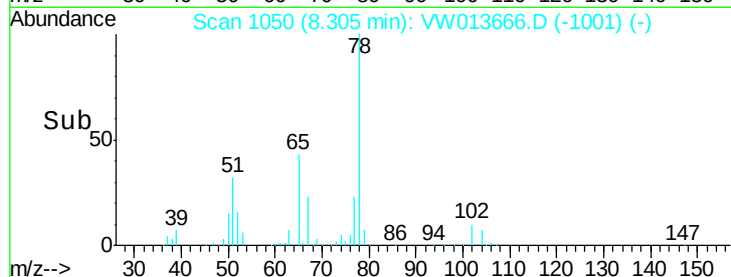
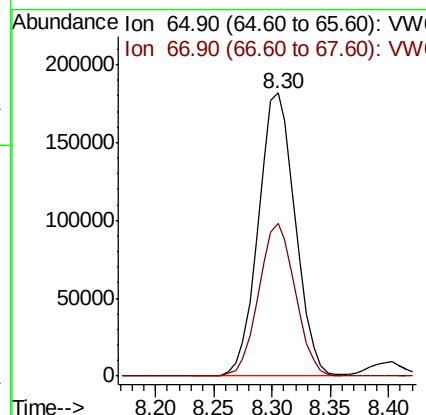
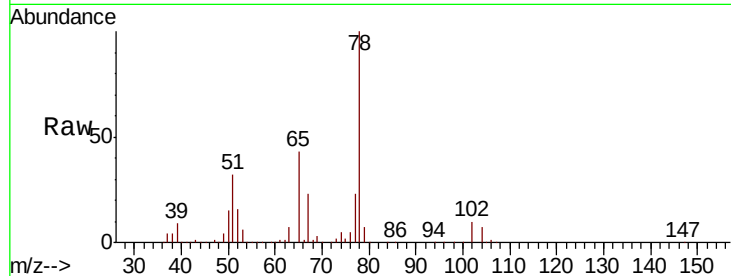
#33
 1,2-Dichloroethane-d4
 Concen: 142.754 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	398943		
67	53.6	0.0	109.4	

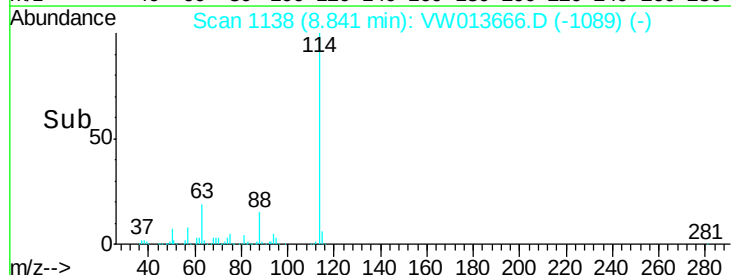
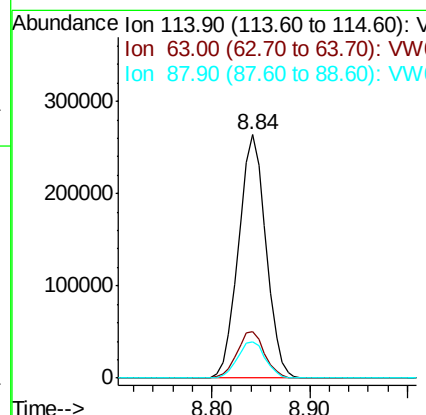
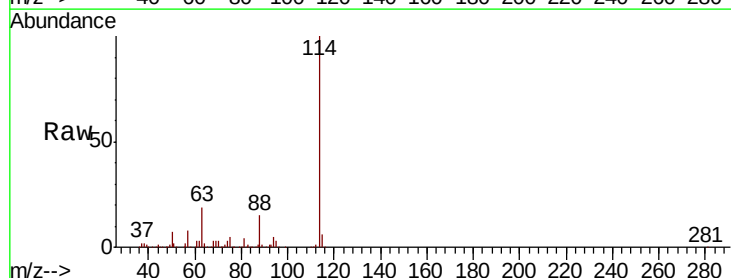
Manual Integrations
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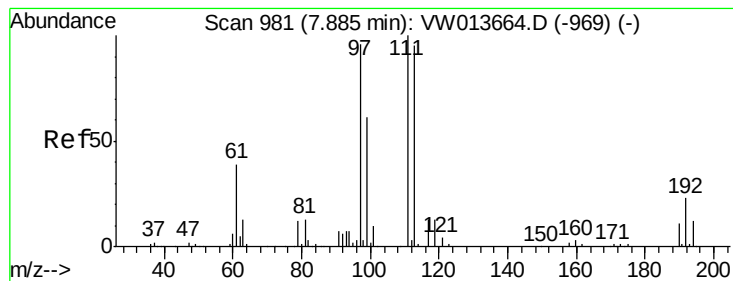
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	512805		
63	19.3	0.0	37.6	
88	14.9	0.0	30.2	





#35

Dibromofluoromethane

Concen: 143.056 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

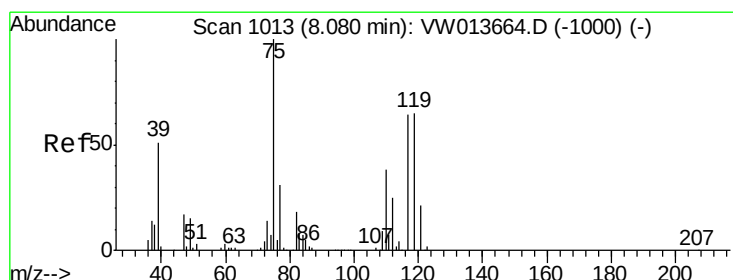
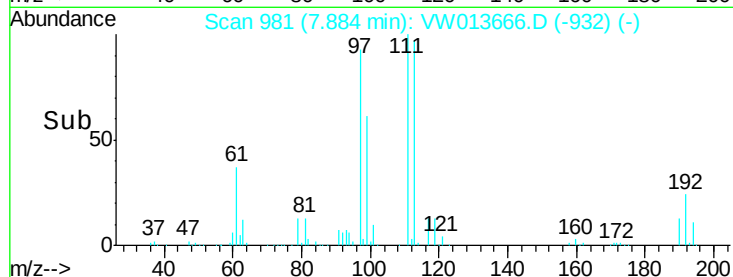
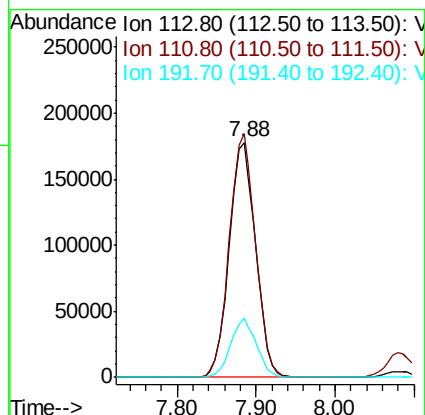
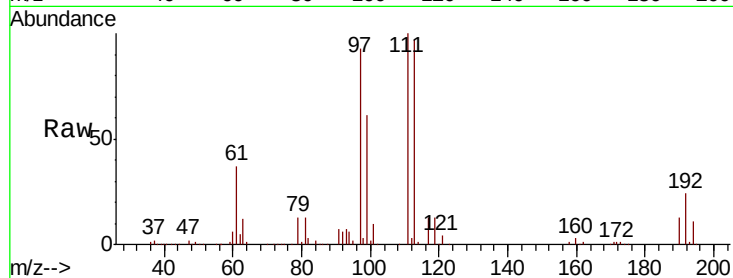
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	414365
Ion Ratio	Lower	Upper	
113	100		
111	102.7	83.0	124.6
192	24.5	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 135.856 ug/l

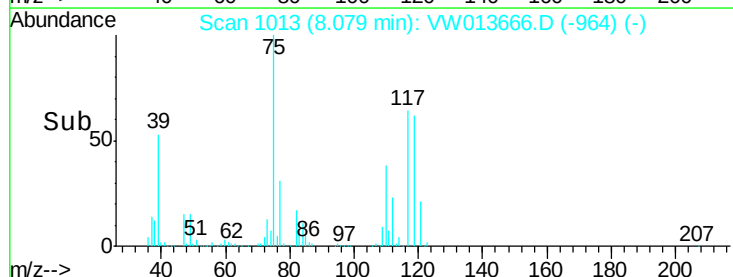
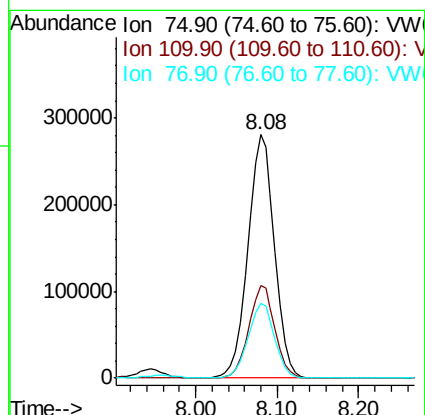
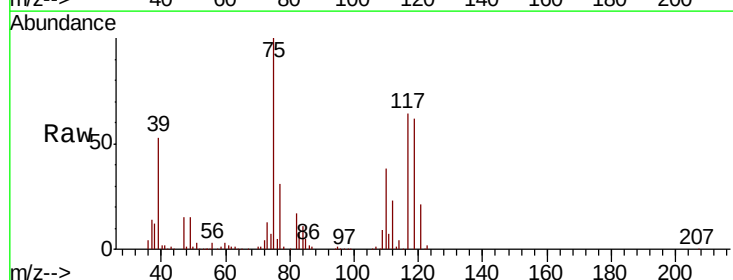
RT: 8.08 min Scan# 1013

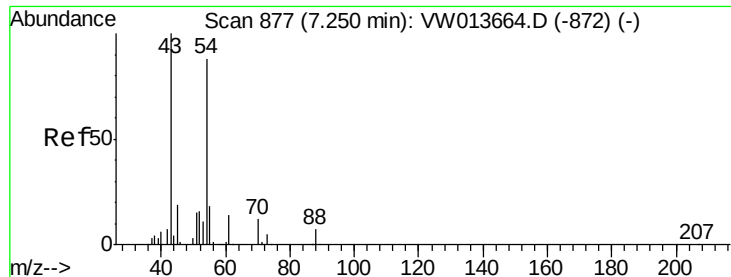
Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion:	75	Resp:	633631
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.7	56.1
77	31.0	25.4	38.0





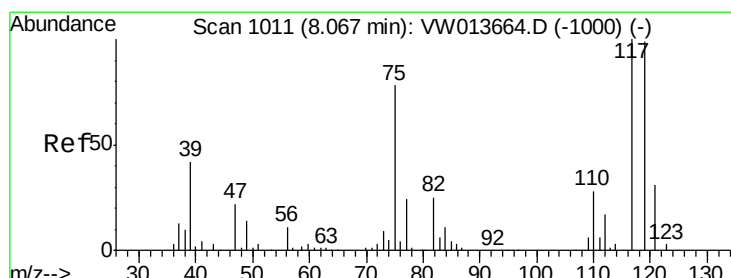
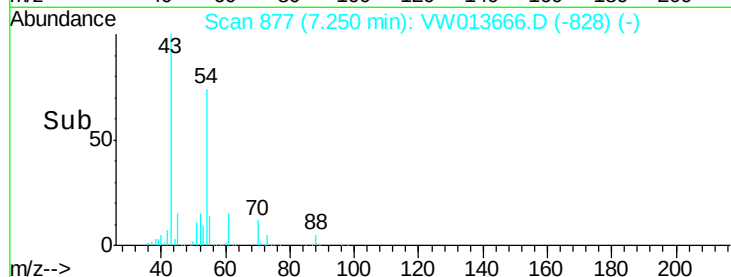
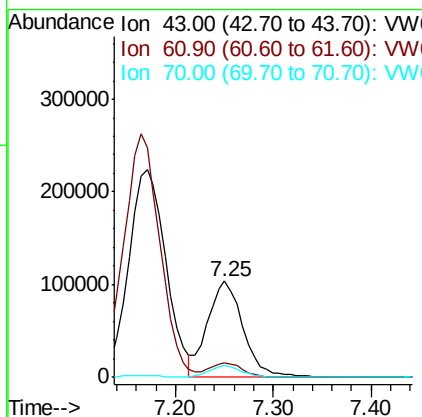
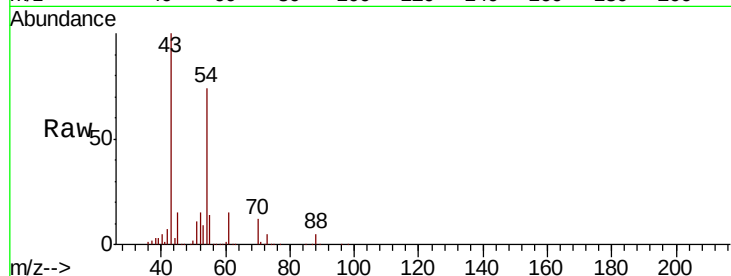
#37
Ethyl Acetate
Concen: 126.365 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.7	17.5
70	11.2	8.8	13.2

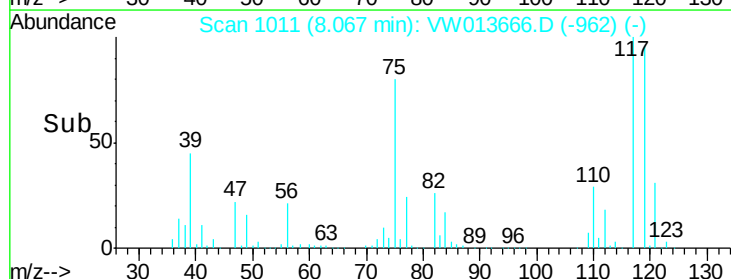
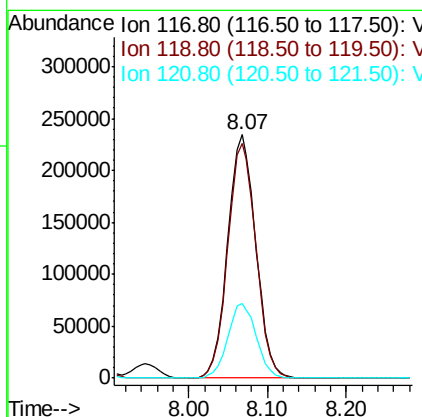
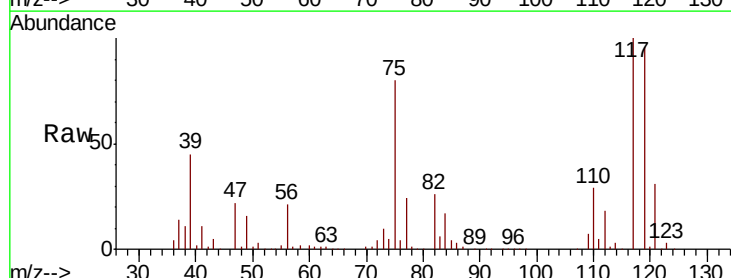
Manual Integrations
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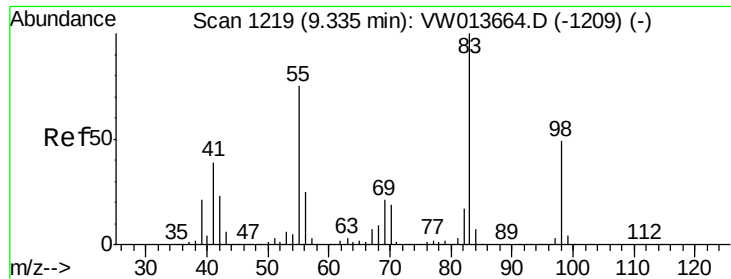
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#38
Carbon Tetrachloride
Concen: 140.328 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	79.0	118.4
121	30.7	24.5	36.7





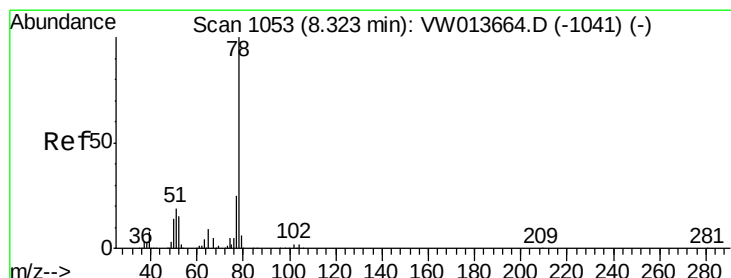
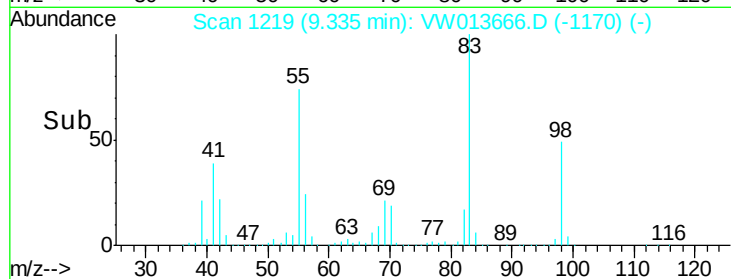
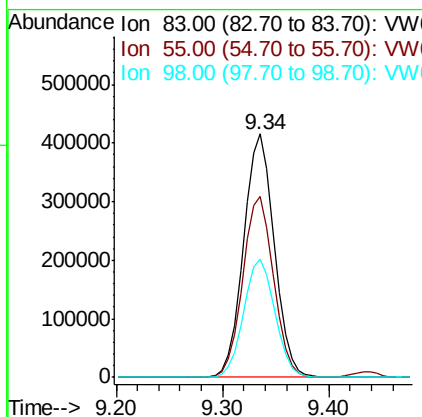
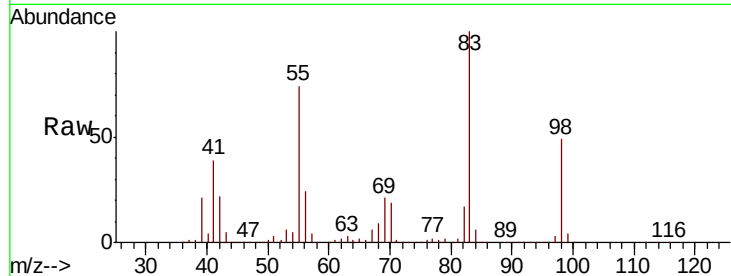
#39
Methylvlcyclohexane
Concen: 138.968 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	59.9	89.9
98	48.6	39.4	59.2

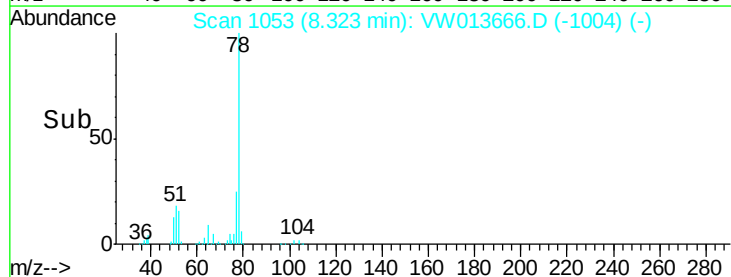
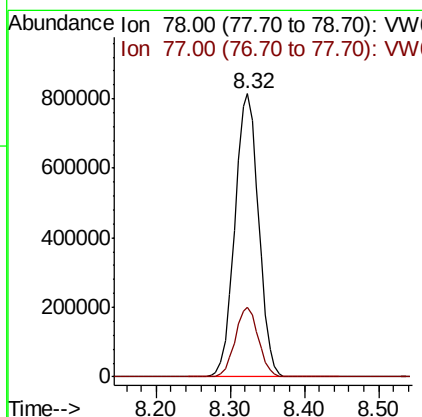
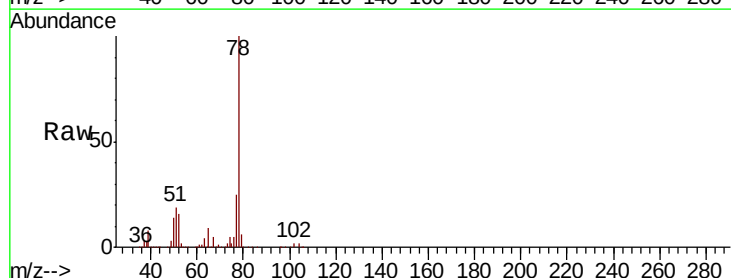
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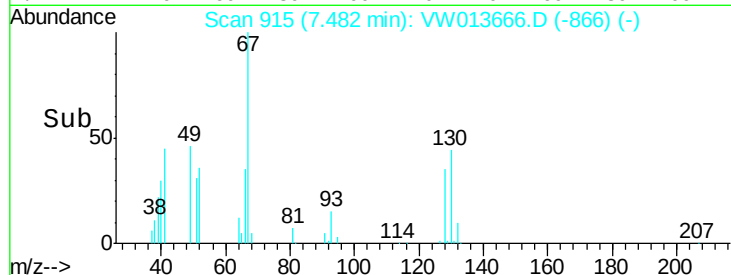
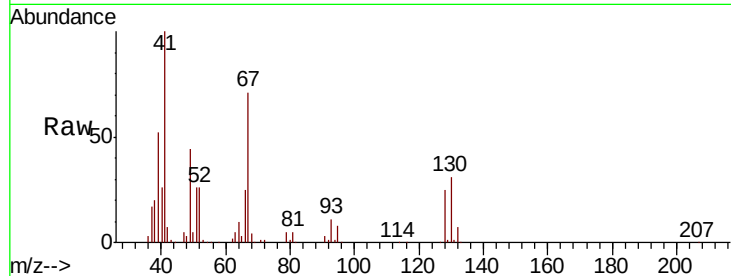
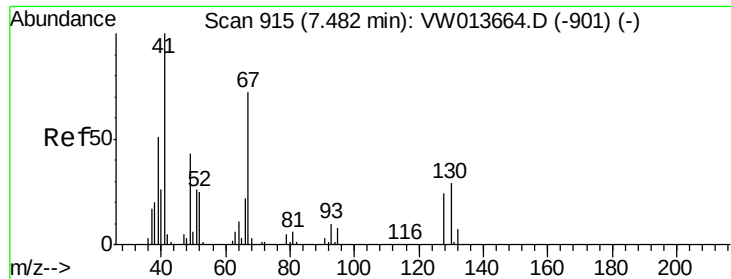
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#40
Benzene
Concen: 139.562 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4





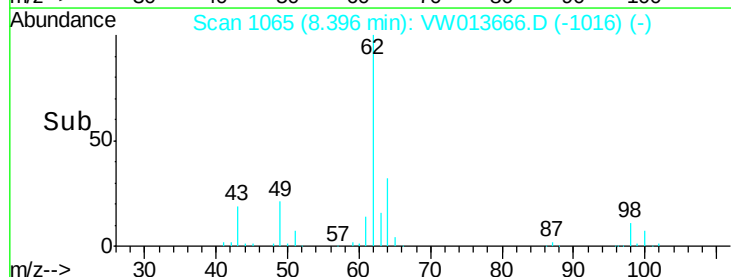
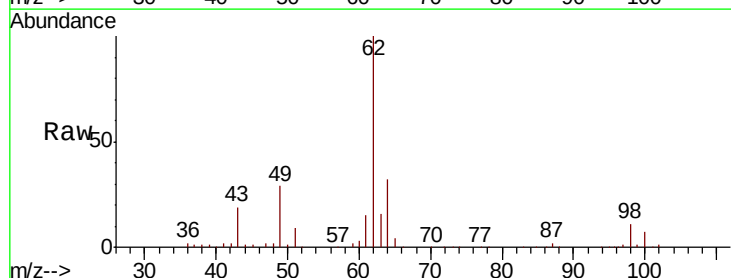
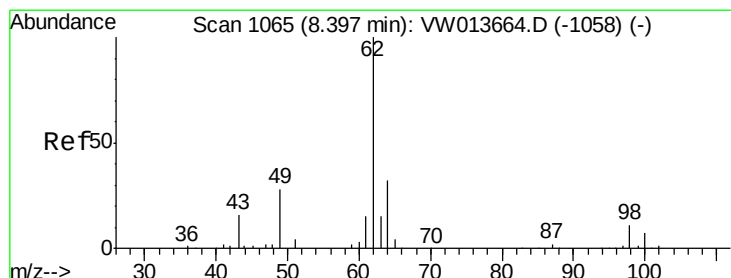
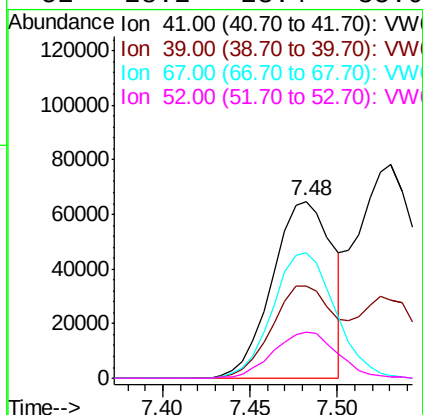
#41
Methacrylonitrile
Concen: 132.653 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.5	44.8	67.2	
67	73.3	59.3	88.9	
52	28.2	23.4	35.0	

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

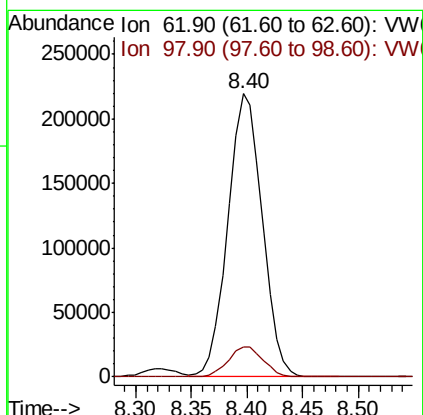
Manual Integrations
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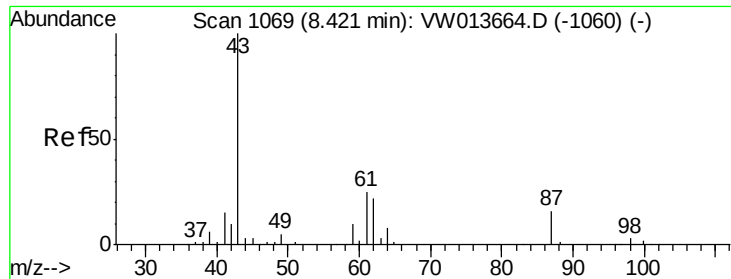
MMDadoda
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#42
1,2-Dichloroethane
Concen: 142.297 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	22.4	





#43

Isopropyl Acetate

Concen: 135.120 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

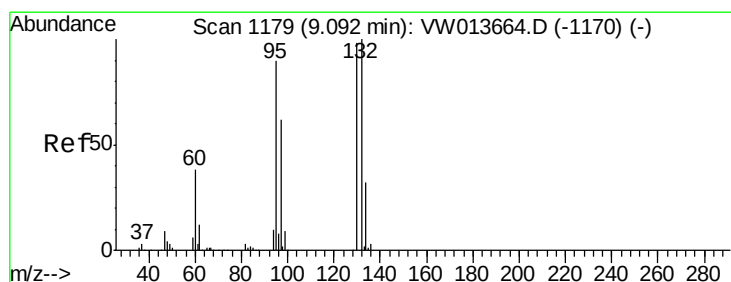
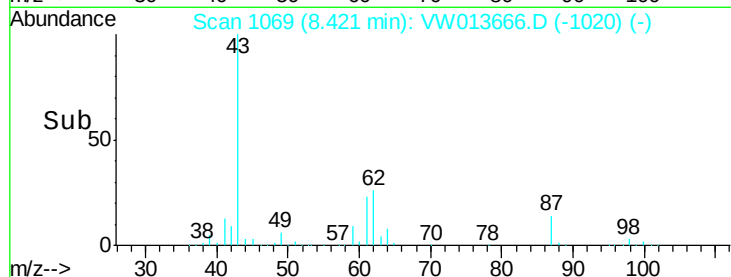
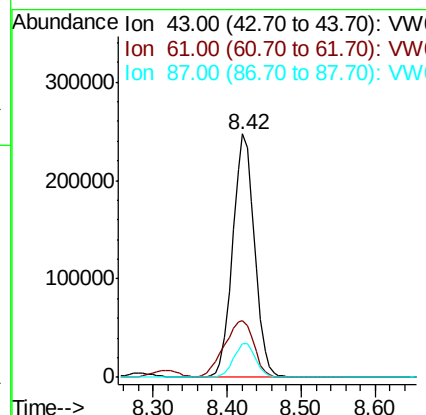
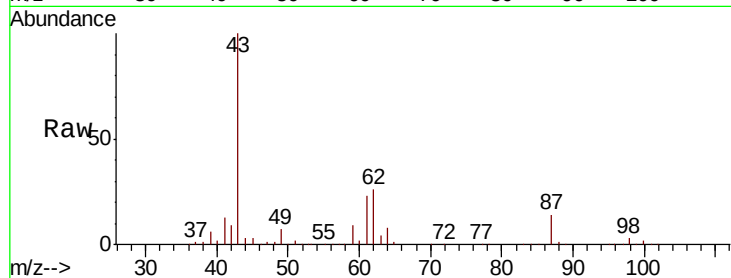
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	508196
Ion	Ratio	Lower	Upper
43	100		
61	31.4	26.1	39.1
87	14.1	11.4	17.0

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#44

Trichloroethene

Concen: 139.615 ug/l

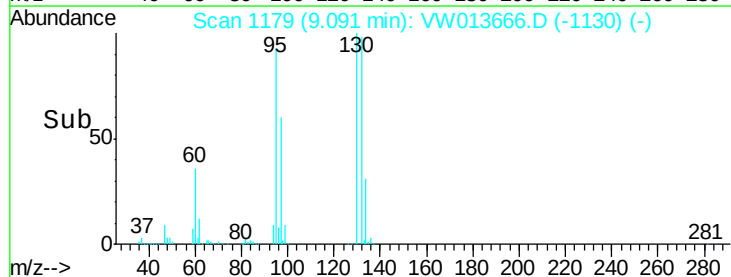
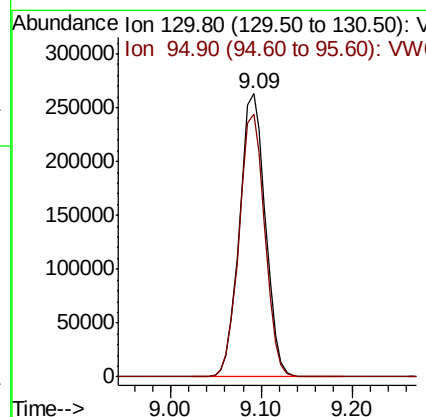
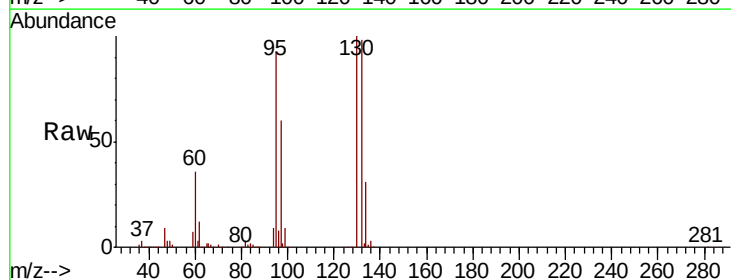
RT: 9.09 min Scan# 1179

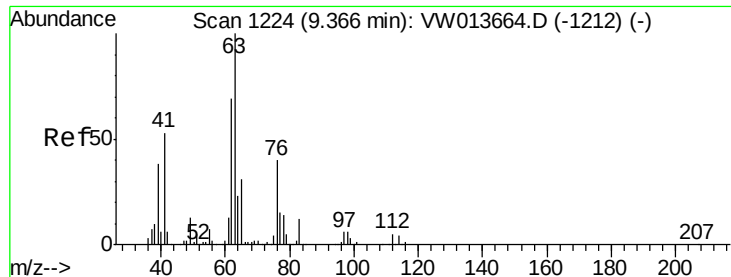
Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion:	130	Resp:	519848
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	184.6





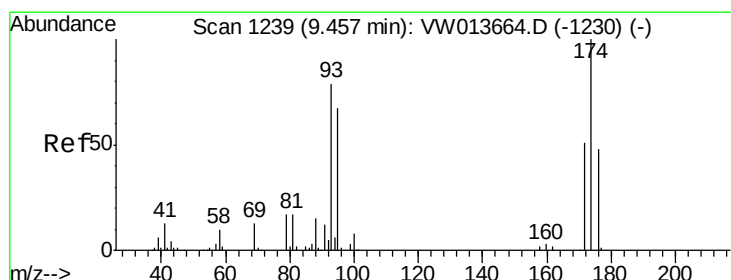
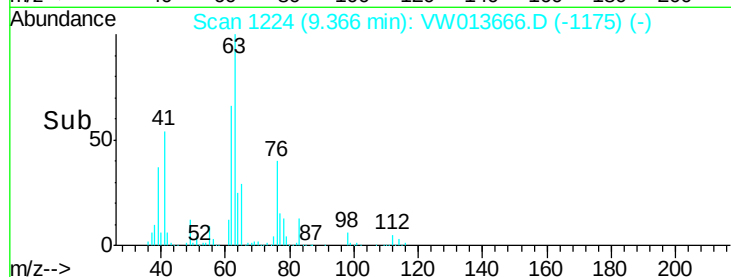
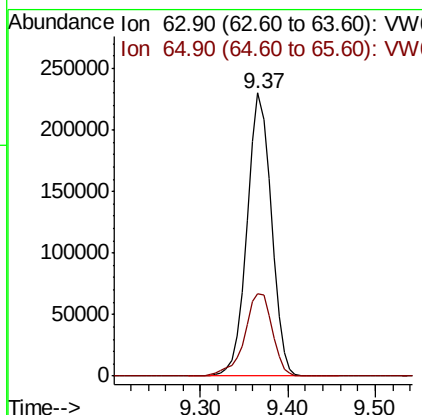
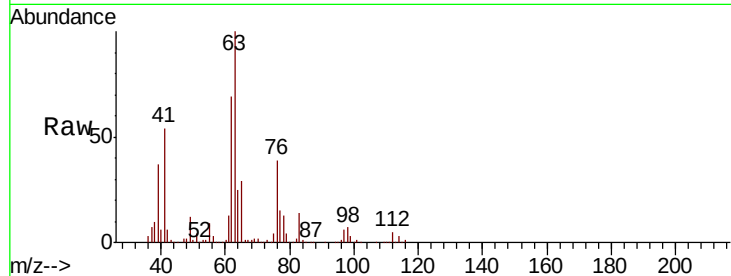
#45
 1,2-Dichloropropane
 Concen: 141.390 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 443303
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.2 37.8

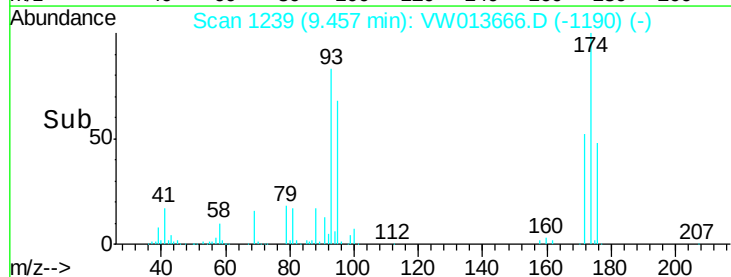
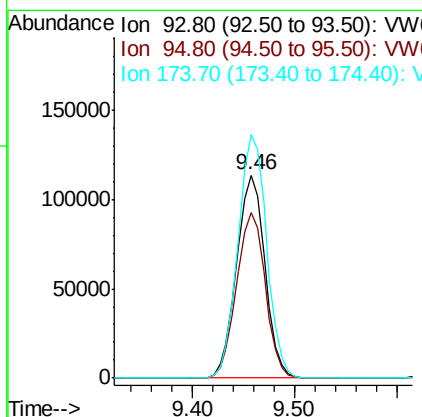
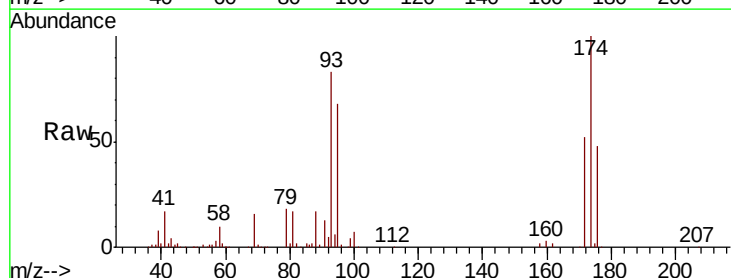
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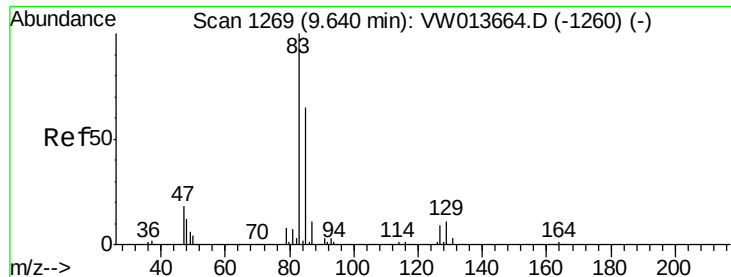
MMDadoda
 10/24/2019 1:26:56 PM



#46
 Dibromomethane
 Concen: 140.853 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion: 93 Resp: 219292
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.5 99.7
 174 121.6 99.6 149.4





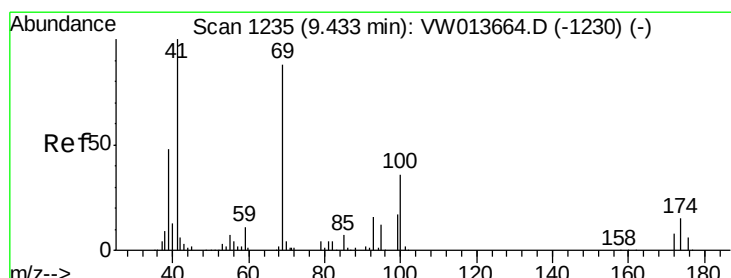
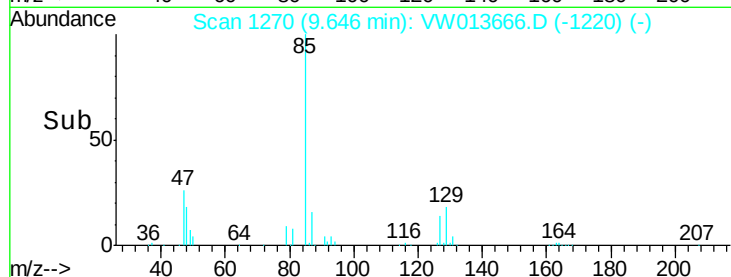
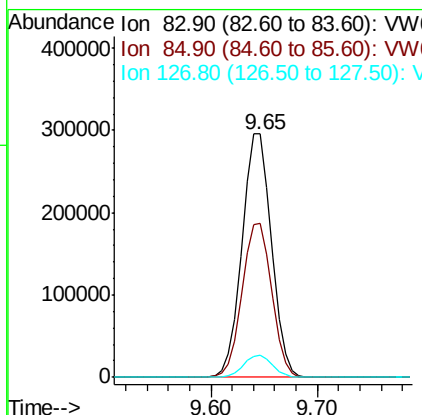
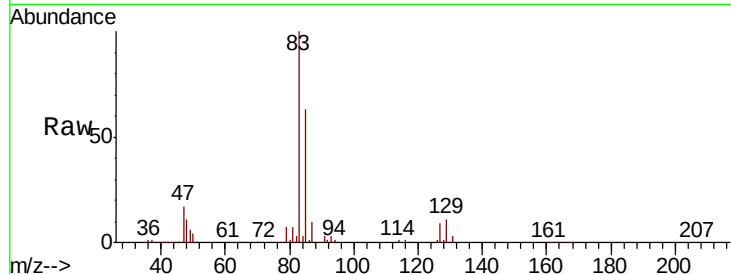
#47
Bromodichloromethane
Concen: 147.698 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	574478
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	51.8	77.6
127	9.0	7.3	10.9

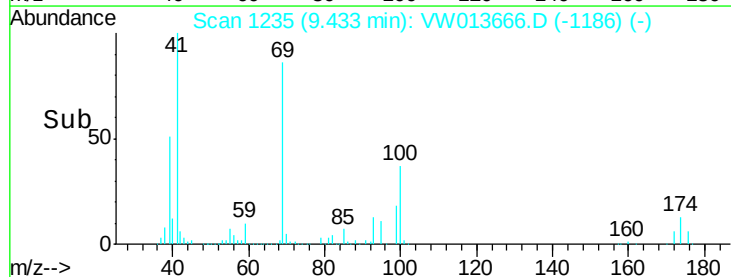
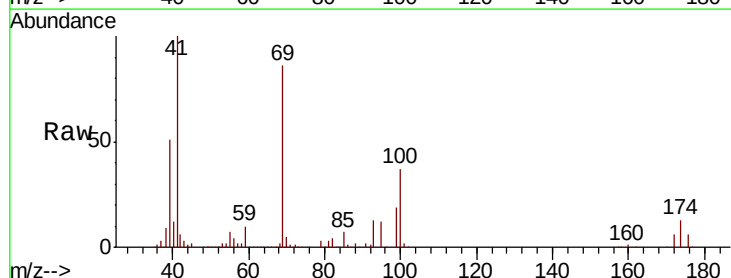
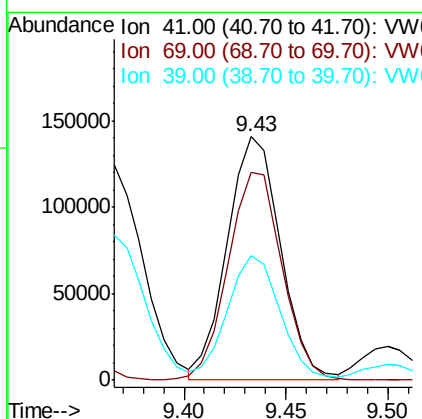
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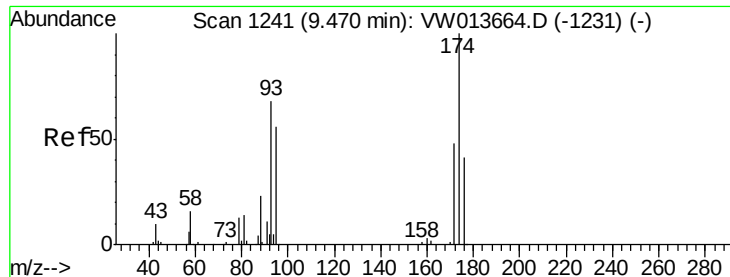
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#48
Methyl methacrylate
Concen: 137.257 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	41	Resp	255779
Ion Ratio	100	Lower	Upper
41	100		
69	86.4	67.6	101.4
39	47.4	38.6	58.0





#49

1,4-Dioxane

Concen: 2276.965 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

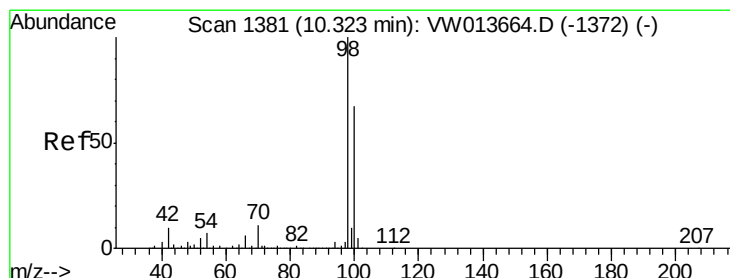
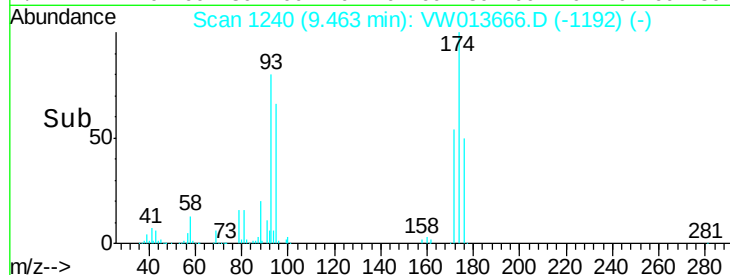
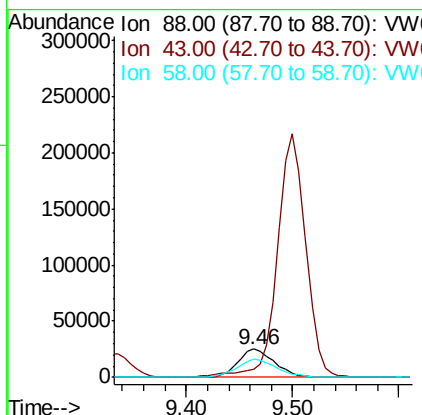
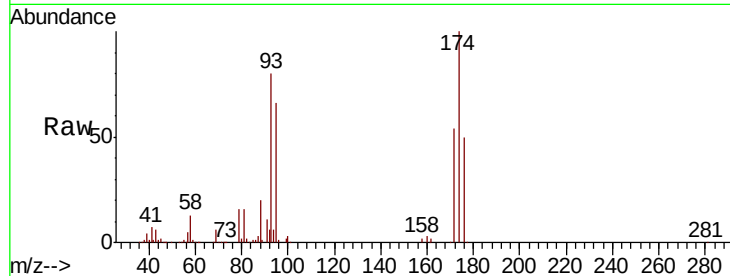
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	60331
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.0	58.9	88.3

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#50

Toluene-d8

Concen: 140.834 ug/l

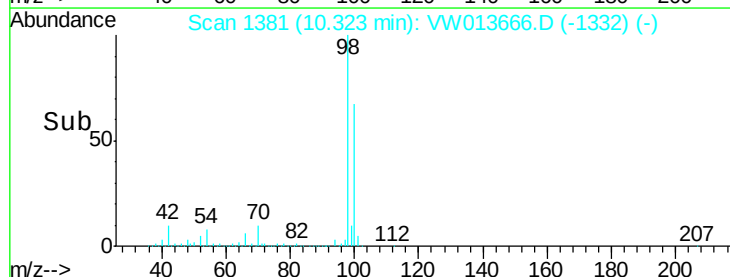
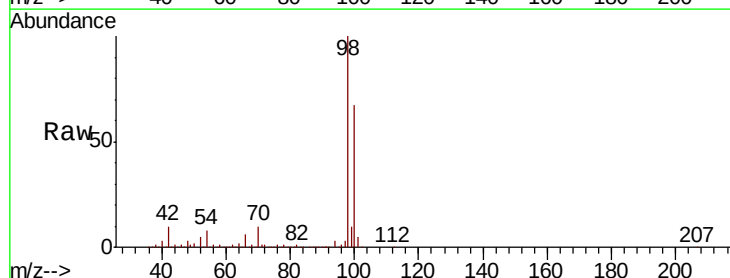
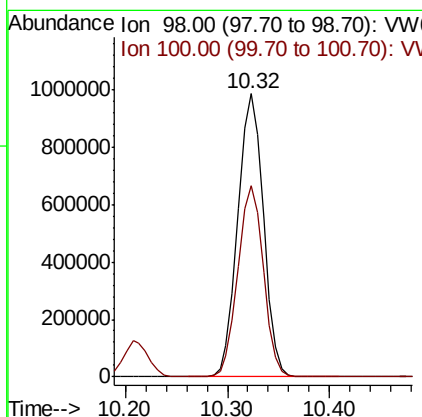
RT: 10.32 min Scan# 1381

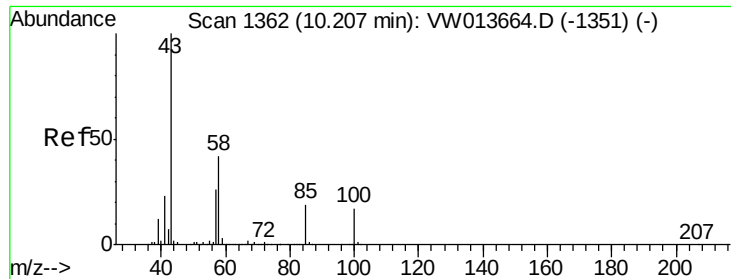
Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion:	98	Resp:	1710144
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.0





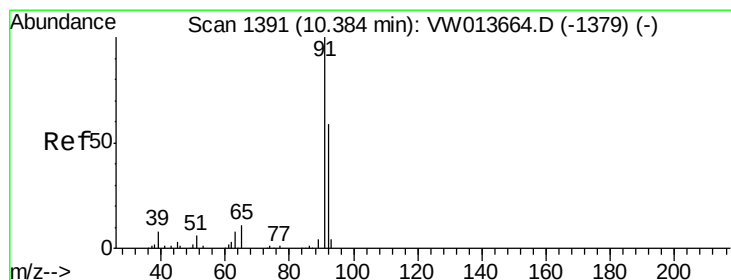
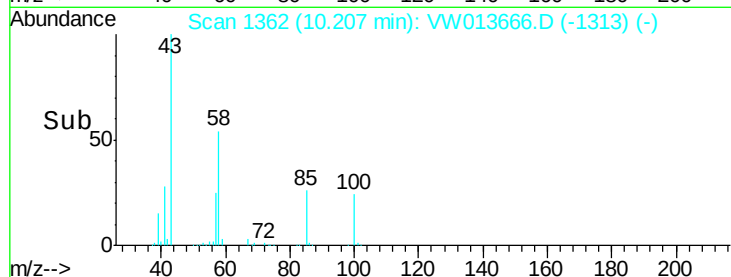
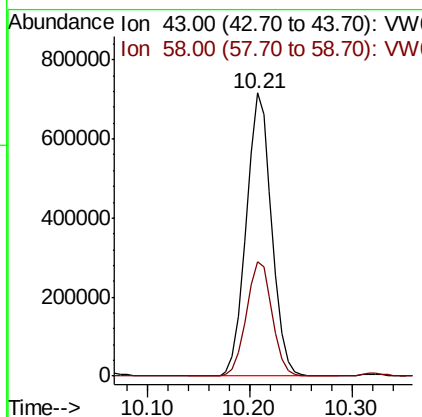
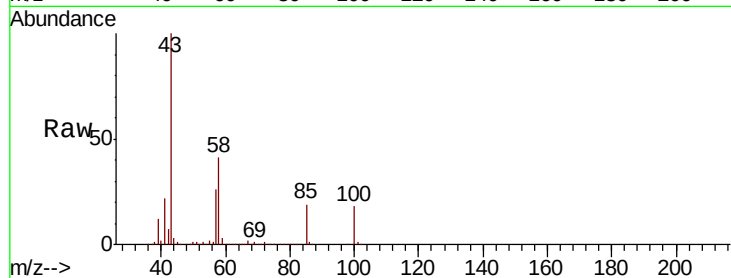
#51
4-Methyl-2-Pentanone
Concen: 630.778 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1238392
Ion Ratio Lower Upper
43 100
58 41.2 32.6 49.0

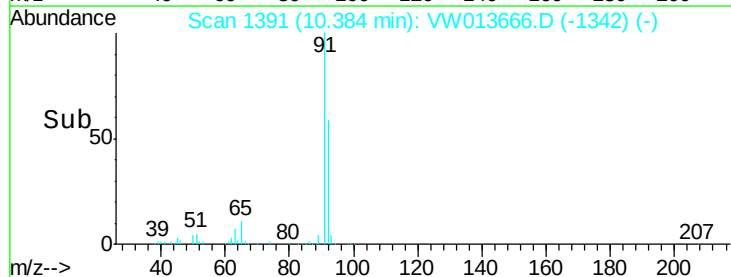
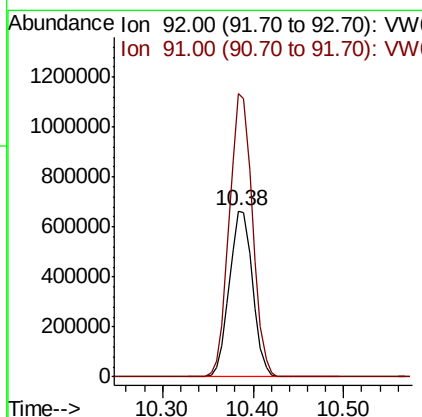
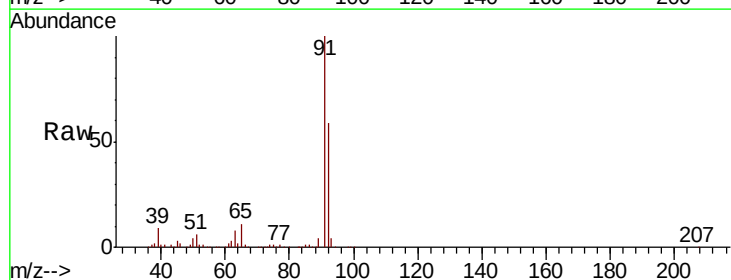
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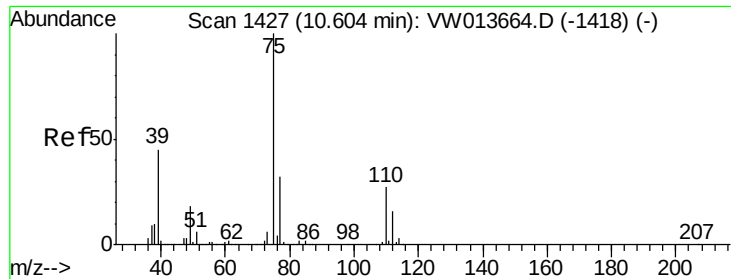
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#52
Toluene
Concen: 140.521 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion: 92 Resp: 1181605
Ion Ratio Lower Upper
92 100
91 169.9 134.5 201.7





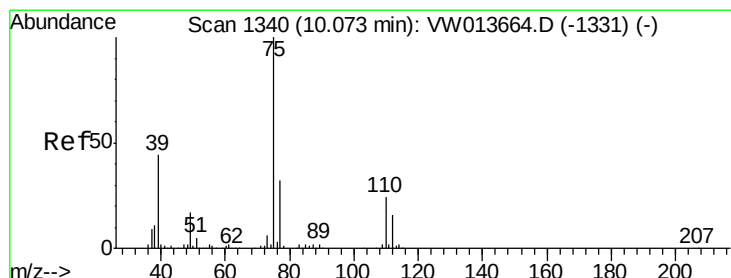
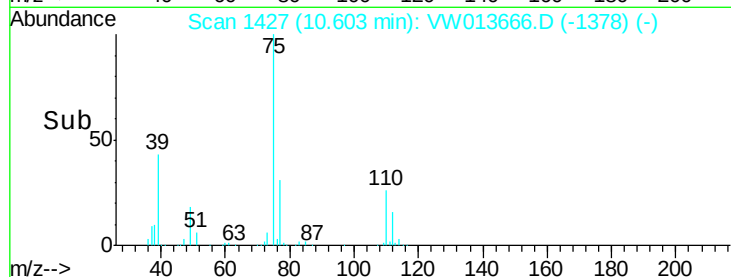
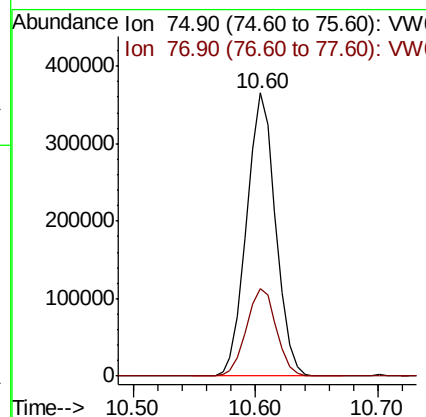
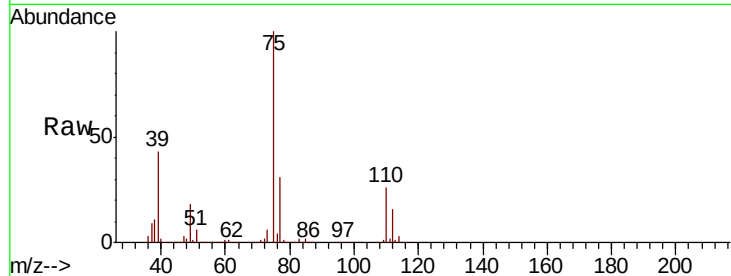
#53
 t-1,3-Dichloropropene
 Concen: 149.181 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 601274
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.5 38.3

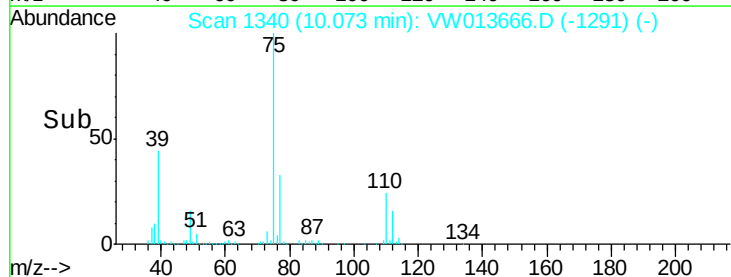
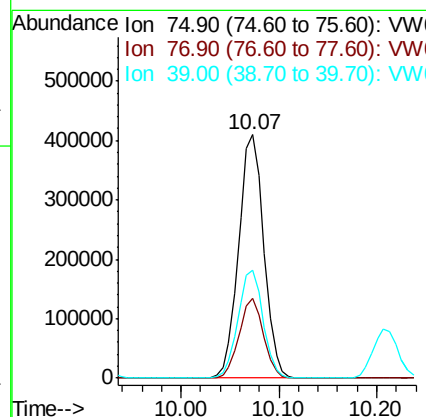
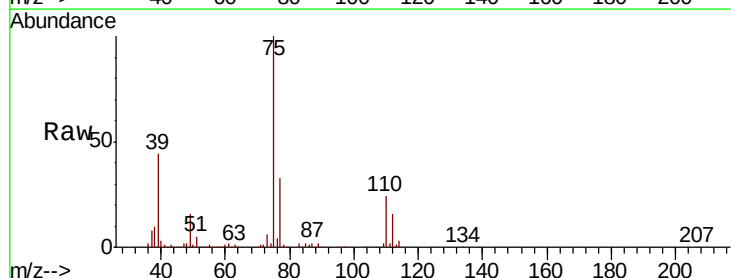
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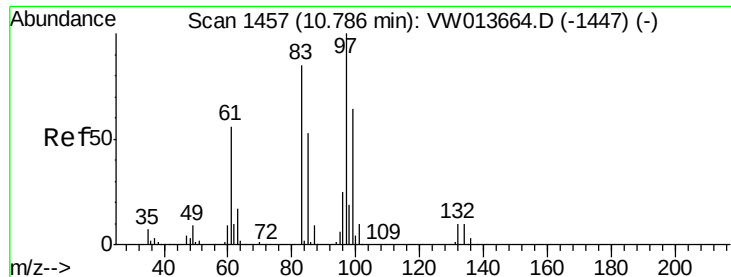
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#54
 cis-1,3-Dichloropropene
 Concen: 149.141 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion: 75 Resp: 730470
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.6
 39 44.3 35.3 52.9





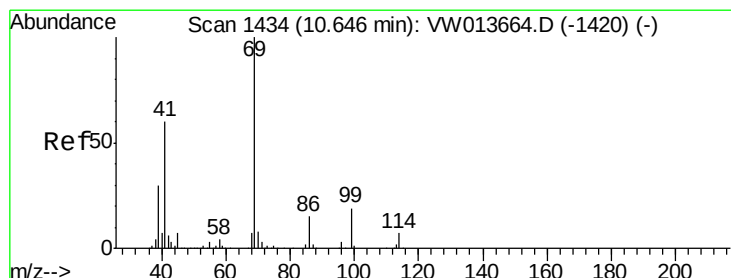
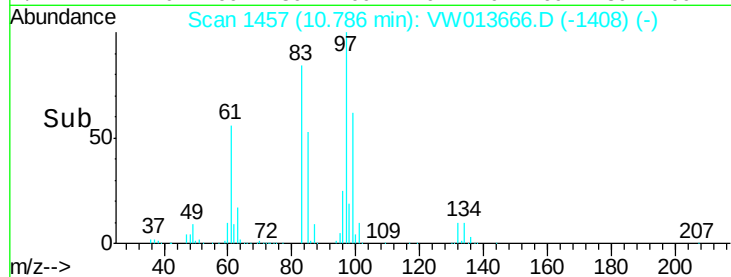
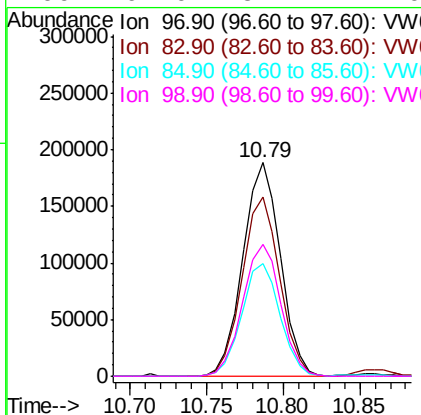
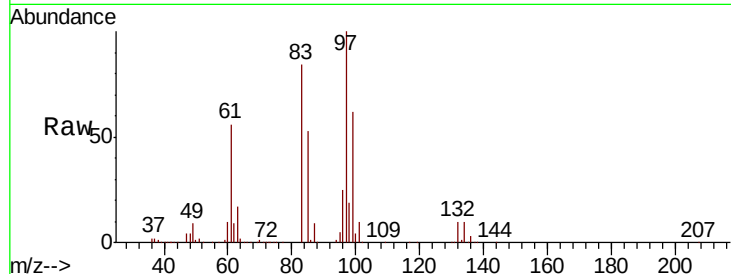
#55
 1,1,2-Trichloroethane
 Concen: 138.223 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	97	Resp	322074
Ion Ratio	Lower	Upper	
97	100		
83	83.8	67.8	101.8
85	52.9	42.1	63.1
99	62.0	51.4	77.0

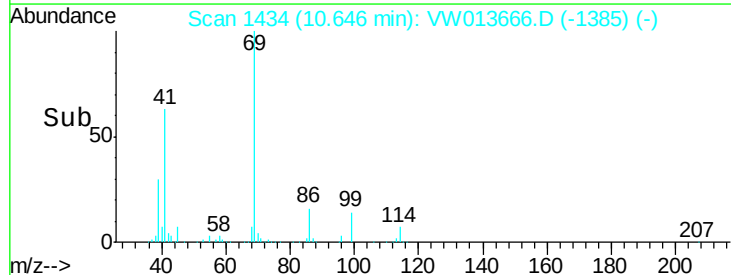
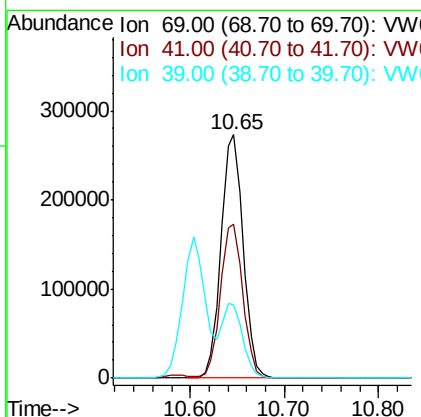
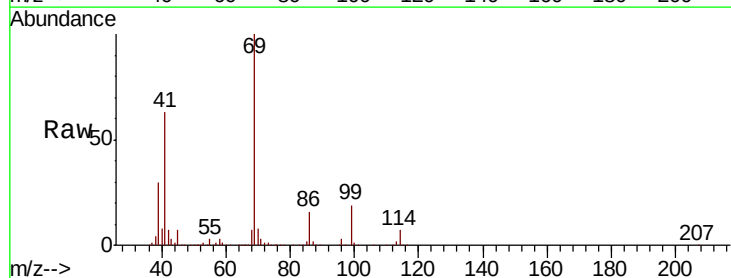
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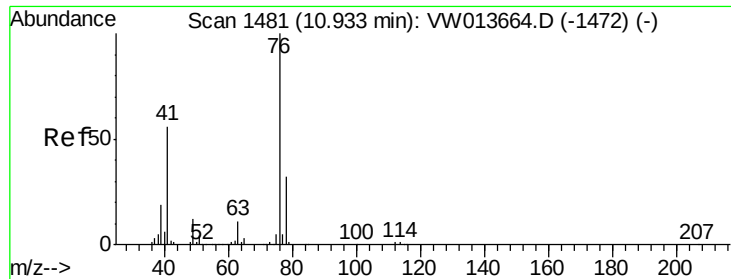
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#56
 Ethyl methacrylate
 Concen: 142.916 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion	69	Resp	442857
Ion Ratio	Lower	Upper	
69	100		
41	64.3	51.6	77.4
39	28.1	22.4	33.6





#57

1,3-Dichloropropane

Concen: 140.757 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 563948

Ion Ratio Lower Upper

76 100

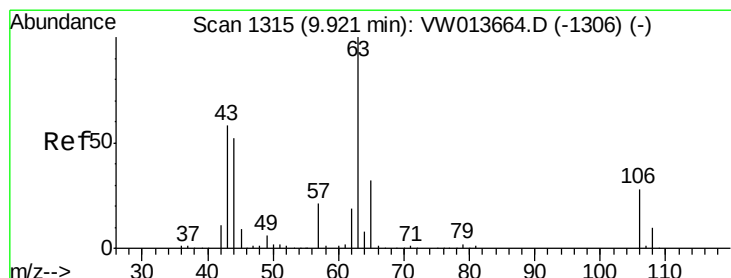
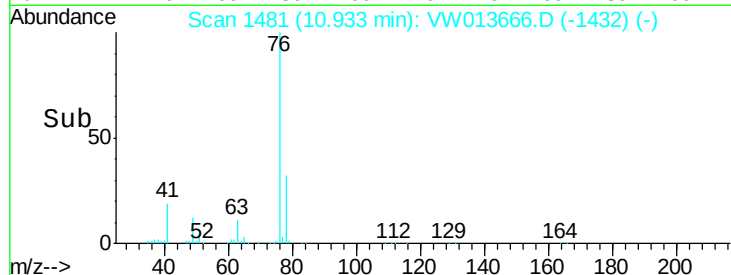
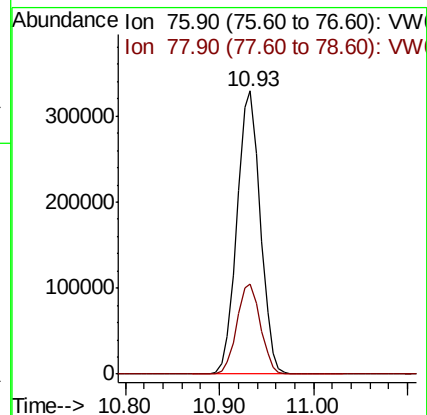
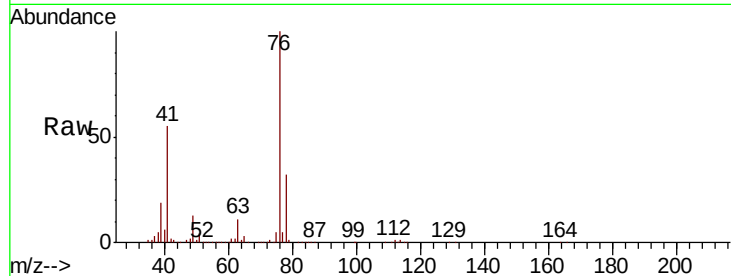
78 32.3 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 710.529 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013666.D

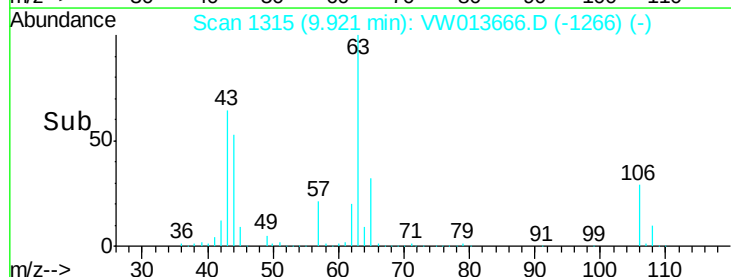
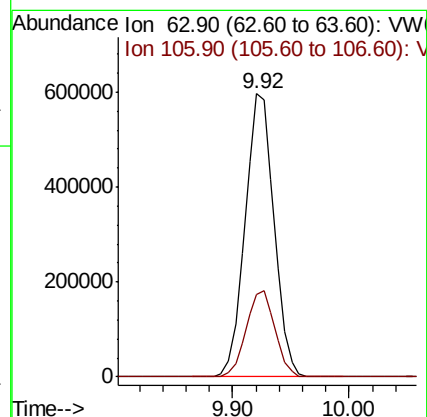
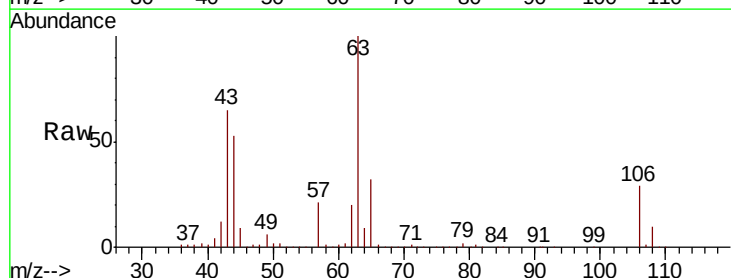
Acq: 23 Oct 2019 13:34

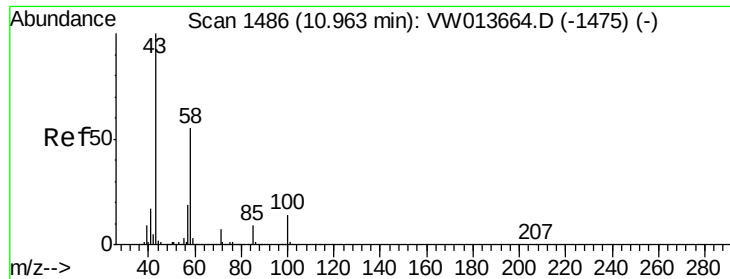
Tgt Ion: 63 Resp: 1035281

Ion Ratio Lower Upper

63 100

106 30.4 23.8 35.8





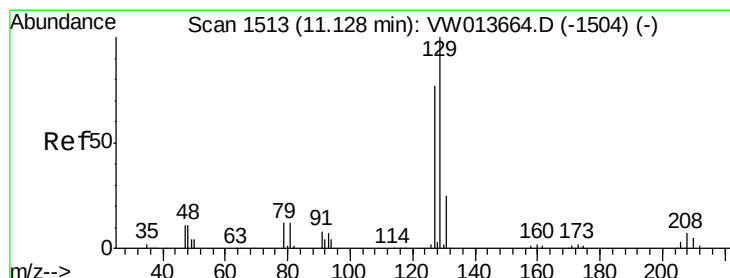
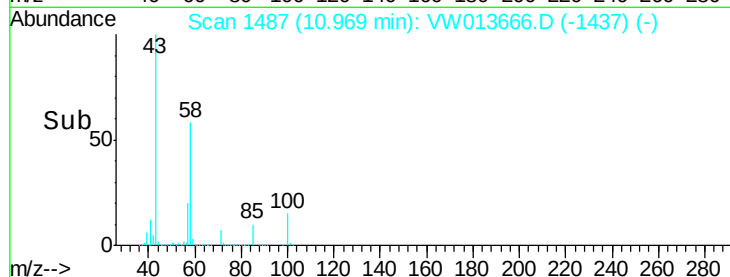
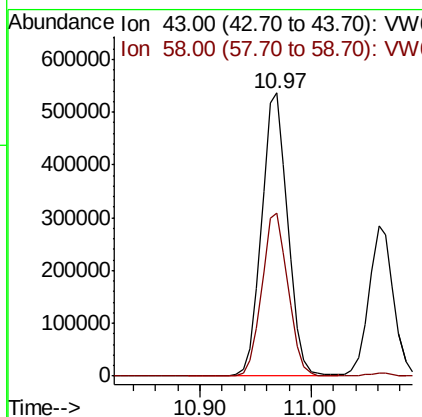
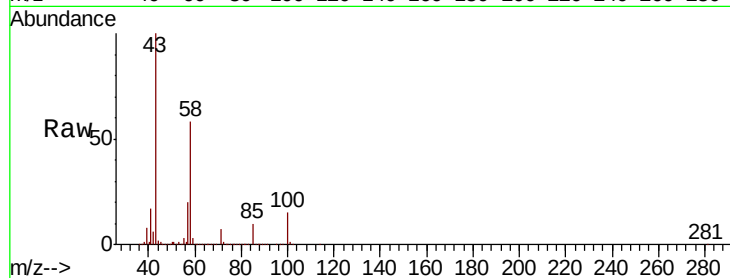
#59
2-Hexanone
Concen: 656.612 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 881868
Ion Ratio Lower Upper
43 100
58 57.5 27.9 83.7

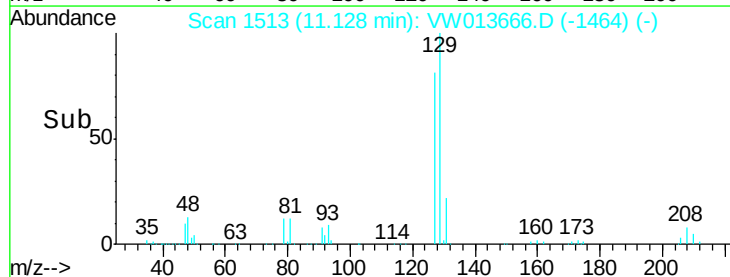
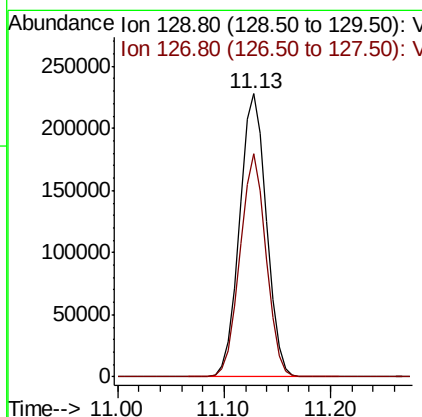
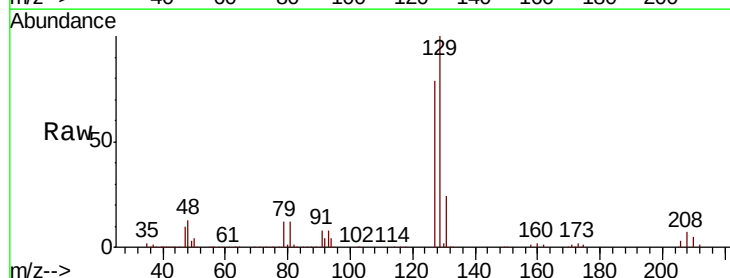
Manual Integrations
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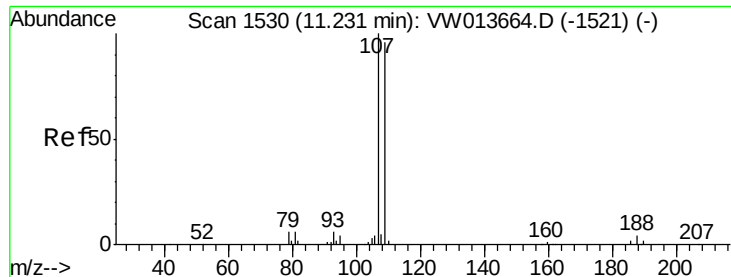
MMDadoda
10/24/2019 1:26:56 PM



#60
Dibromochloromethane
Concen: 150.572 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion:129 Resp: 403799
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 140.796 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 312258

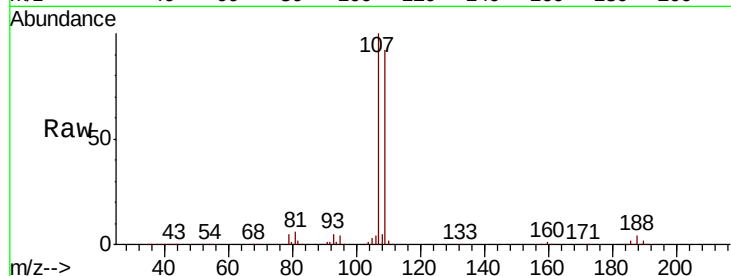
Ion Ratio Lower Upper

107 100

109 94.9 75.7 113.5

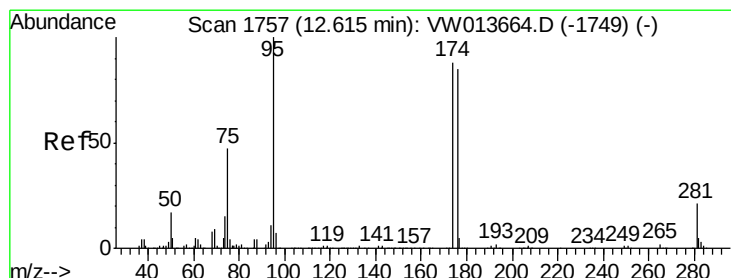
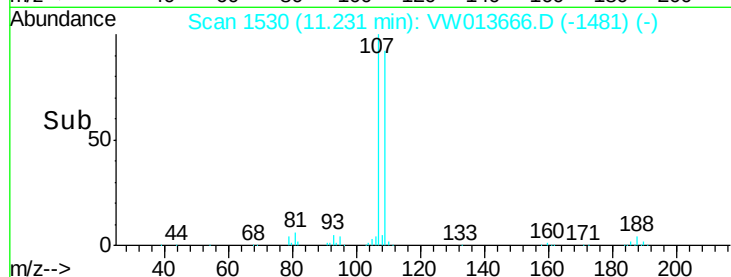
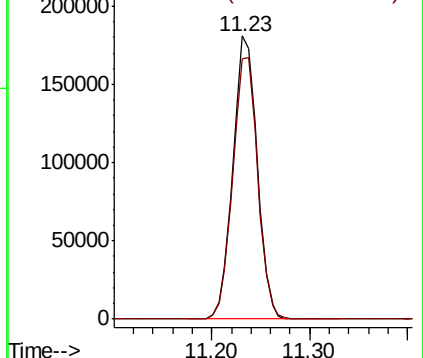
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 139.733 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

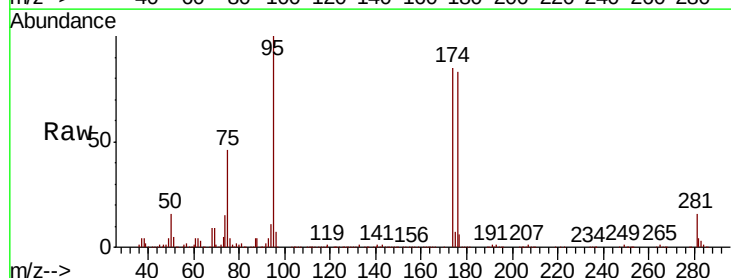
Tgt Ion: 95 Resp: 569870

Ion Ratio Lower Upper

95 100

174 90.7 0.0 183.6

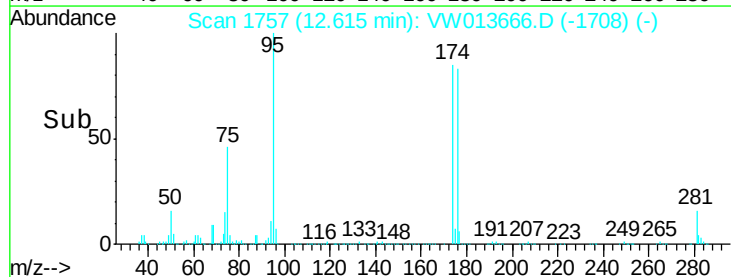
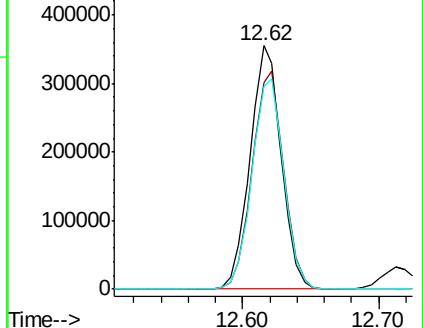
176 88.5 0.0 178.0

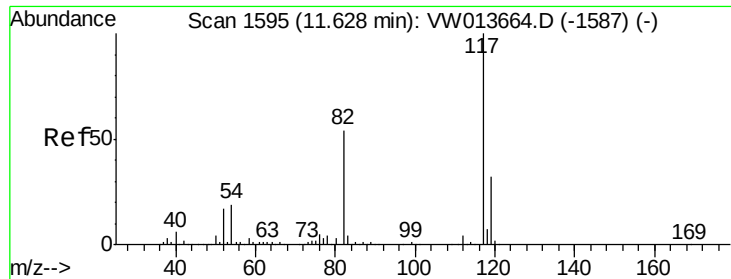


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





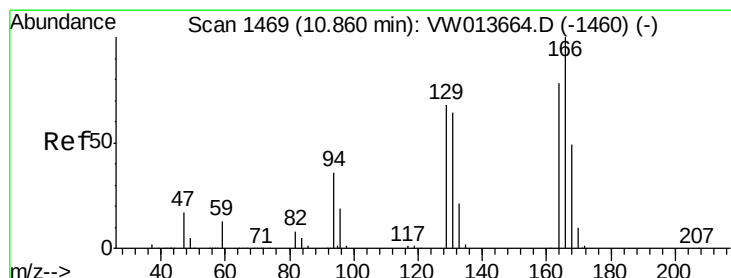
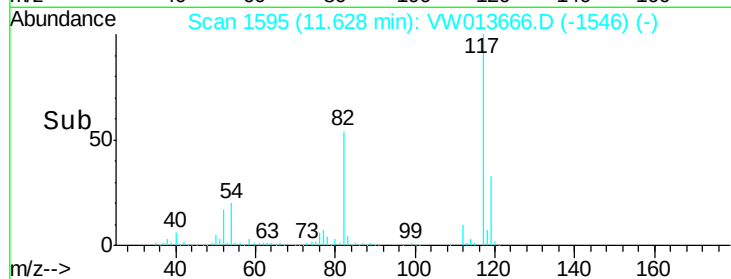
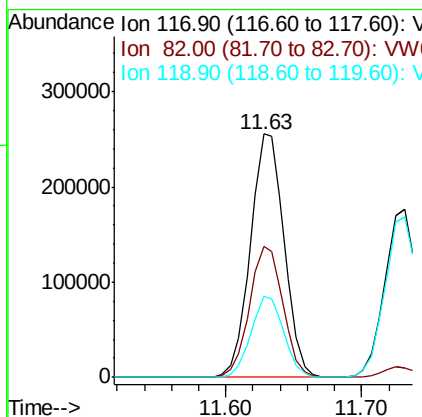
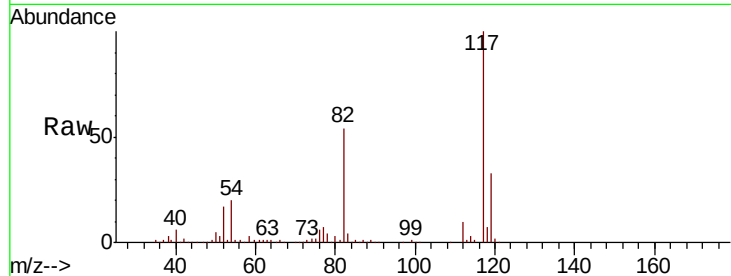
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.6	65.4
119	33.1	25.4	38.2

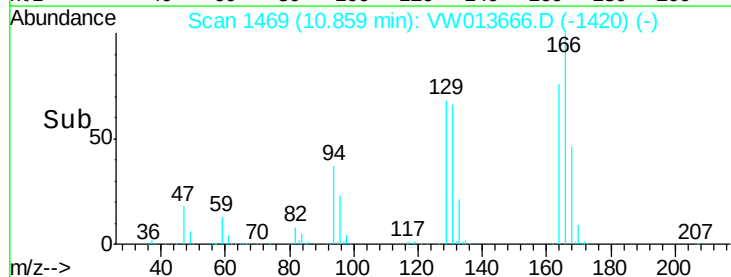
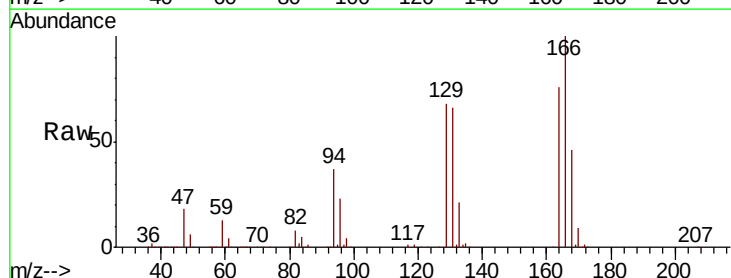
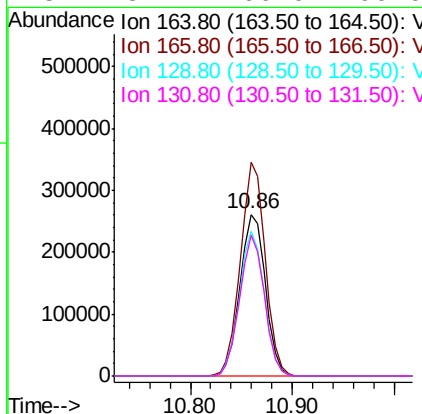
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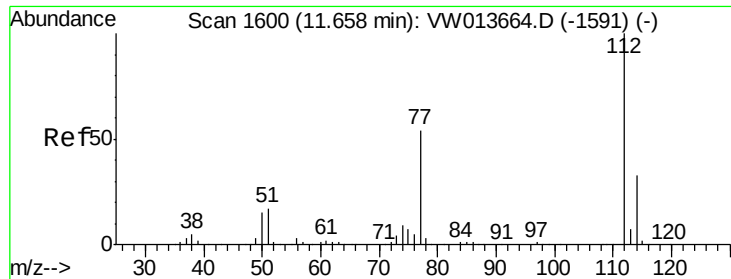
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#64
Tetrachloroethene
Concen: 137.252 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	103.2	154.8
129	89.6	70.6	105.8
131	87.4	66.0	99.0





#65

Chlorobenzene

Concen: 139.144 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1233333

Ion Ratio Lower Upper

112 100

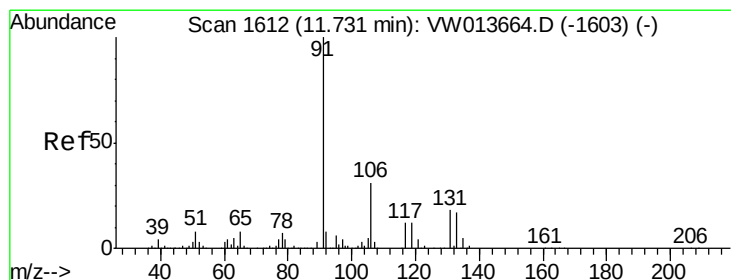
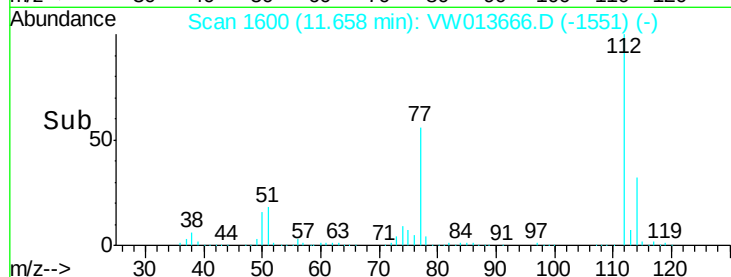
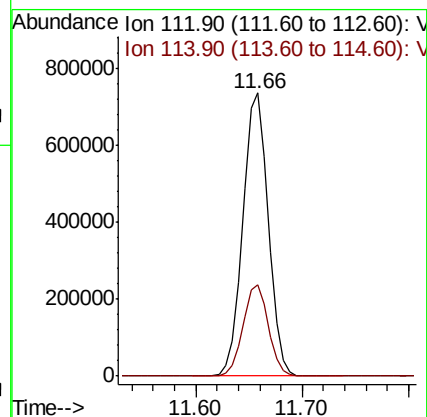
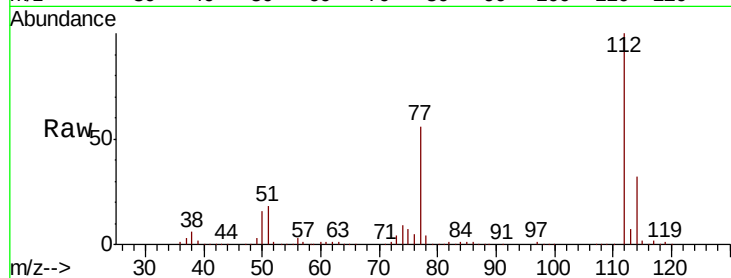
114 32.5 26.2 39.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 142.631 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

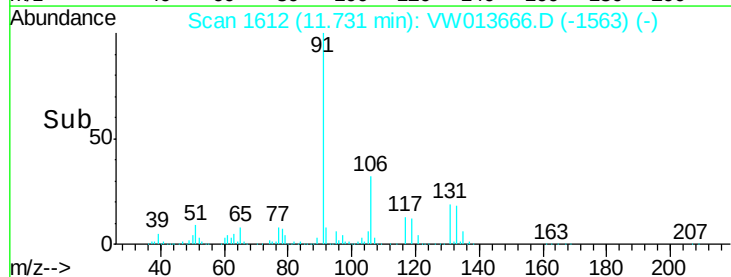
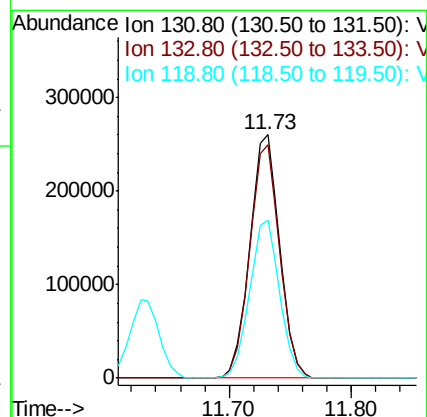
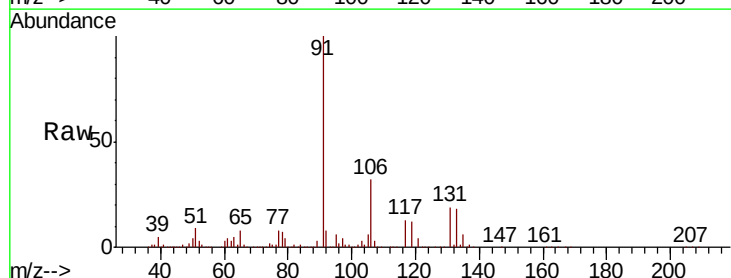
Tgt Ion:131 Resp: 440218

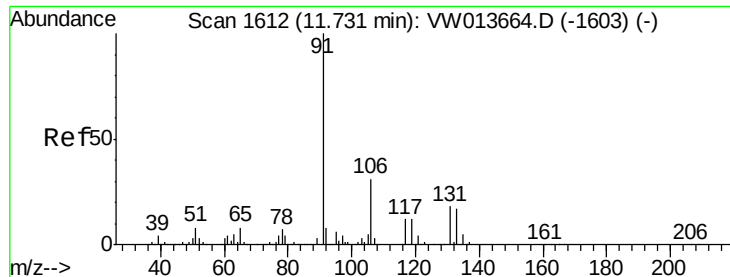
Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.3

119 65.1 33.1 99.2





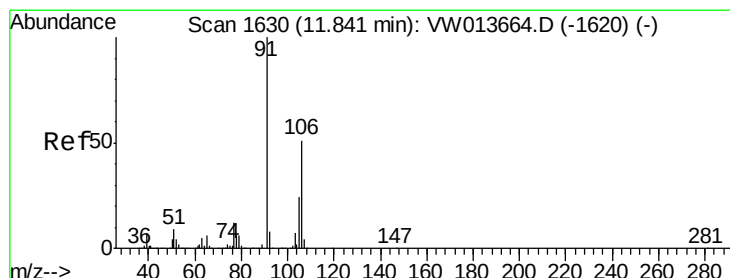
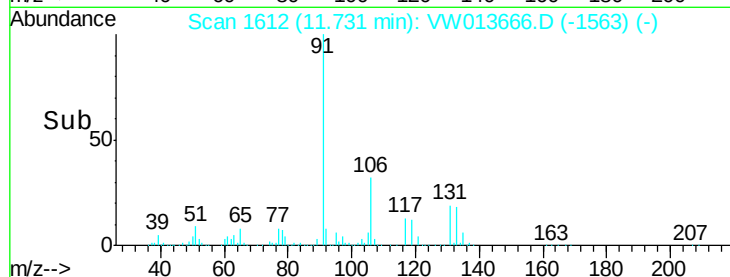
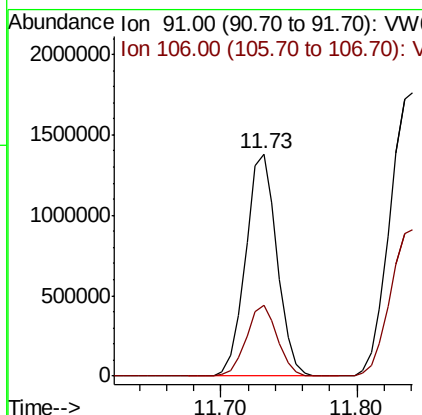
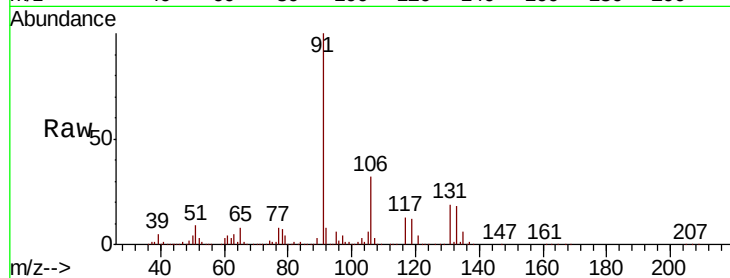
#67
Ethyl Benzene
Concen: 136.999 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2221672
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6

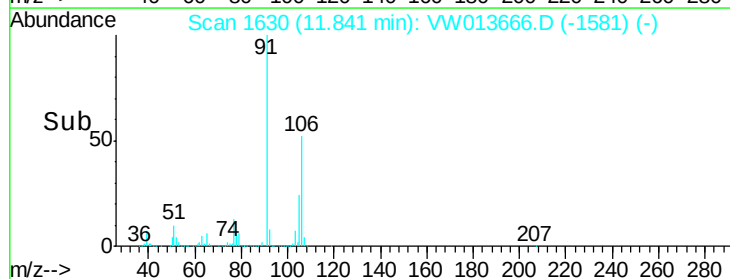
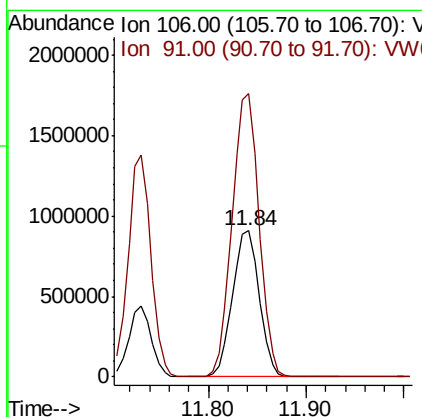
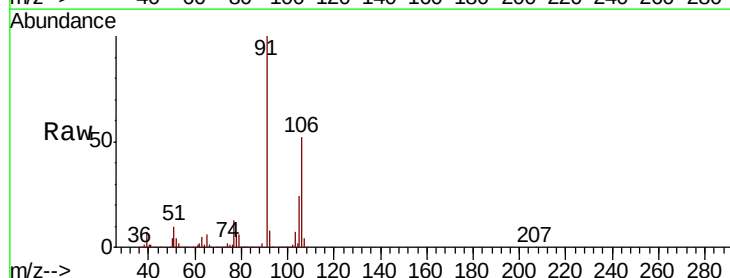
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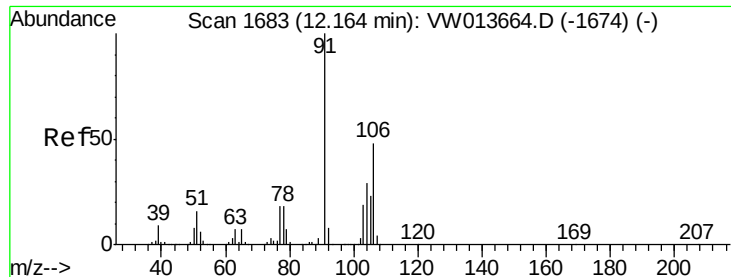
MMDadoda
10/24/2019 1:26:56 PM



#68
m/p-Xylenes
Concen: 279.271 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion: 106 Resp: 1722817
Ion Ratio Lower Upper
106 100
91 195.1 159.2 238.8





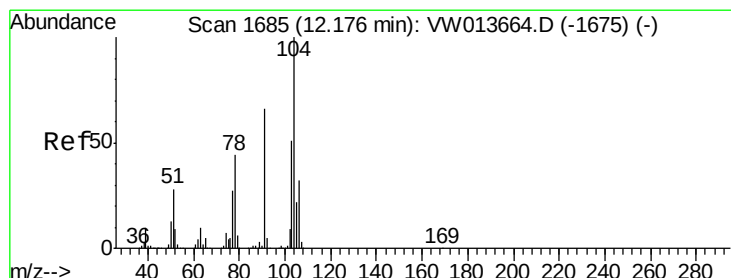
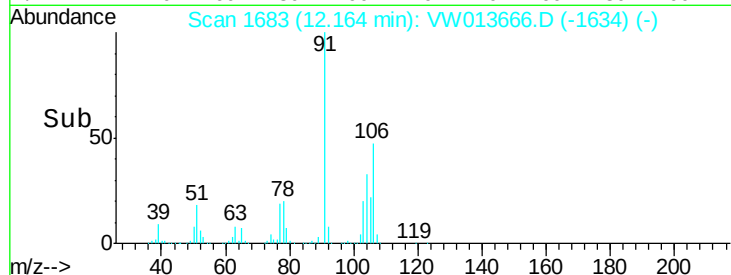
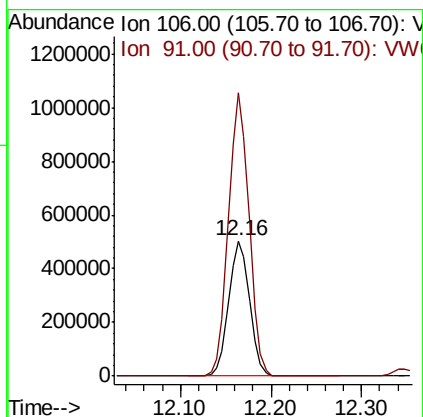
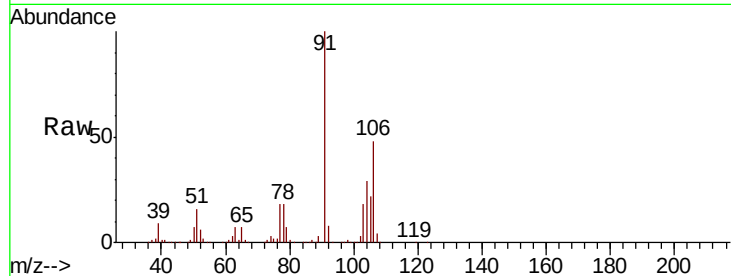
#69
o-Xylene
Concen: 140.455 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
802020	106	100		
	91	206.6	104.9	314.7

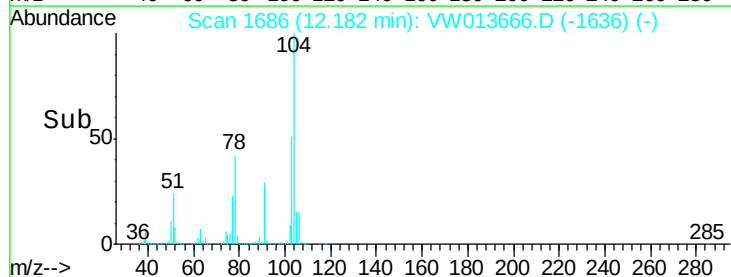
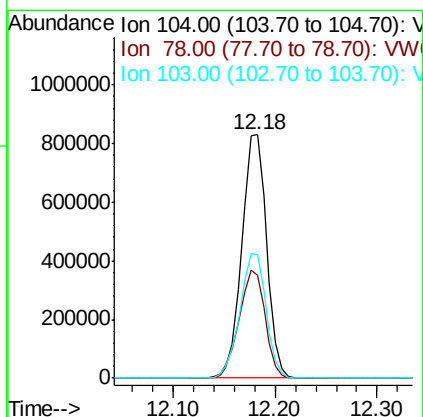
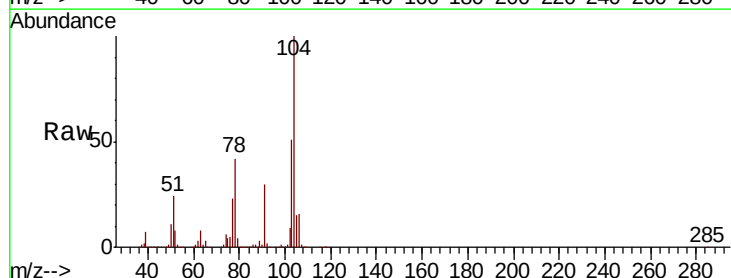
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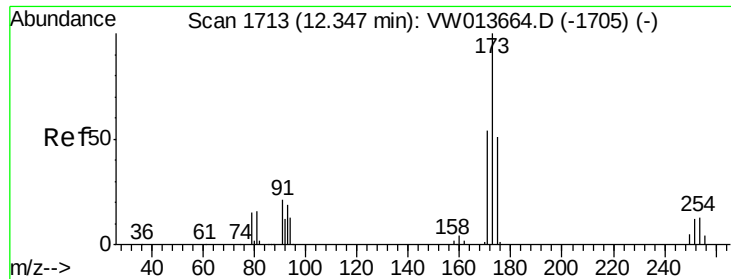
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#70
Styrene
Concen: 142.394 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ion	Ratio	Lower	Upper
1395243	104	100		
	78	46.8	37.1	55.7
	103	54.1	43.6	65.4





#71

Bromoform

Concen: 143.574 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

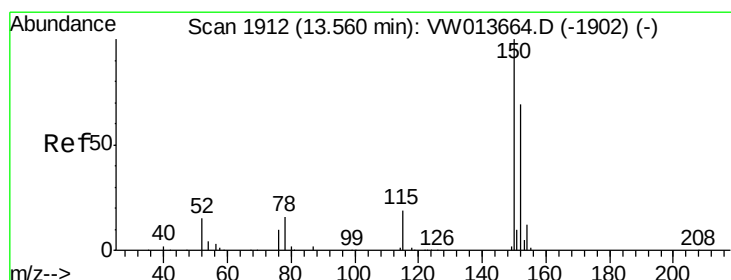
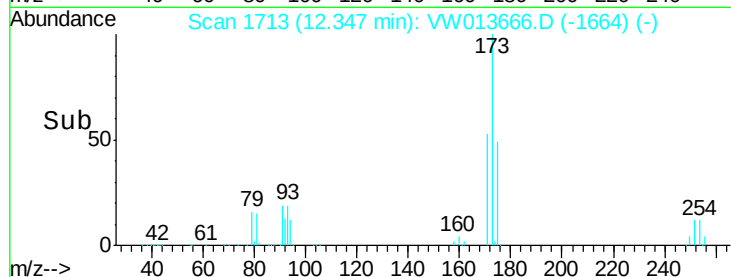
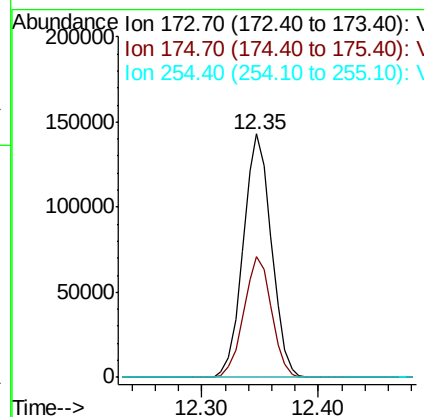
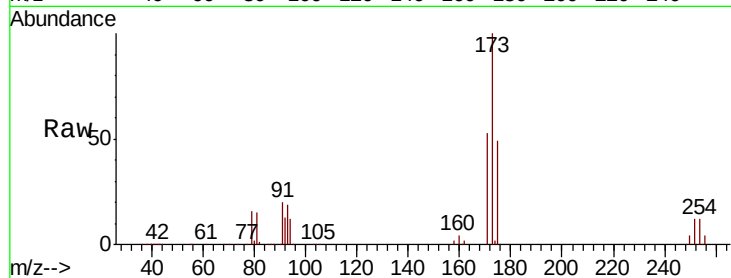
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	25.2	75.6
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

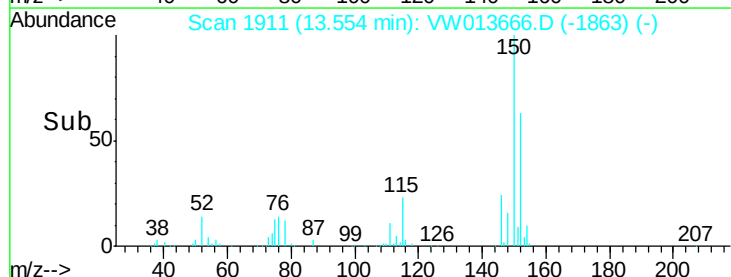
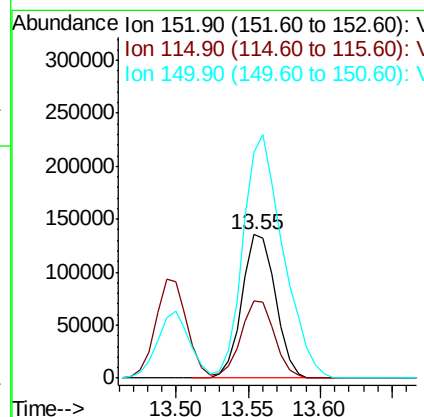
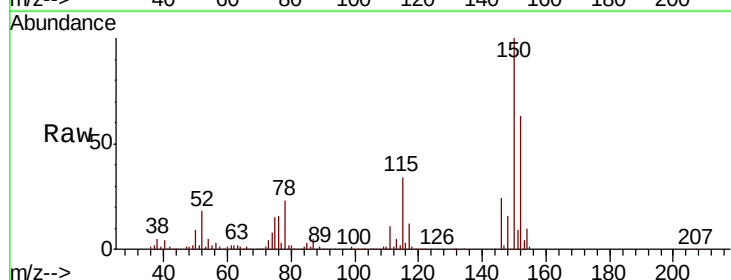
RT: 13.55 min Scan# 1911

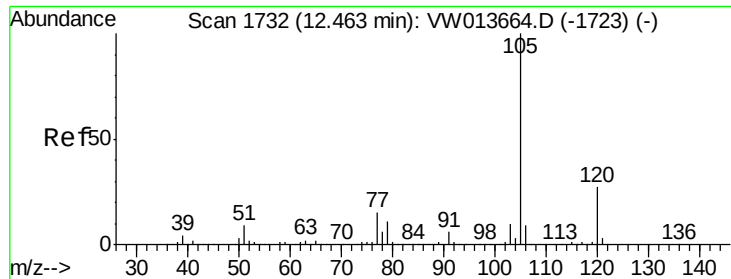
Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.4	82.2
150	201.3	0.0	345.4





#73

Isopropylbenzene

Concen: 135.834 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2136769

Ion Ratio Lower Upper

105 100

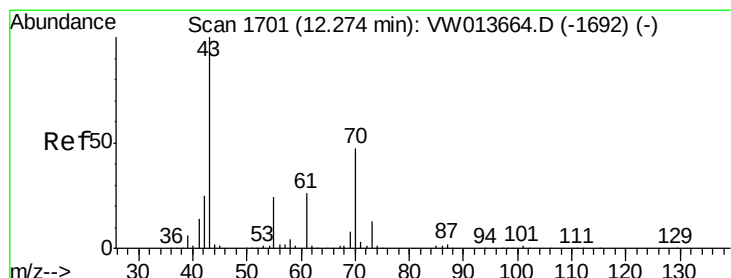
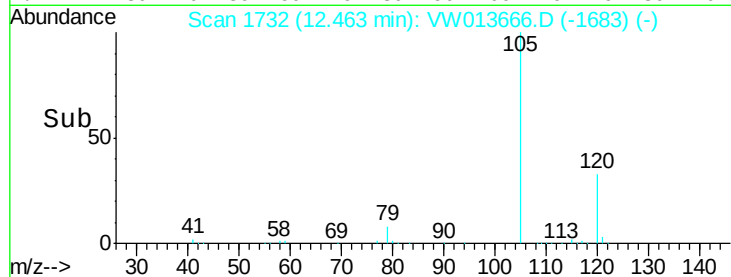
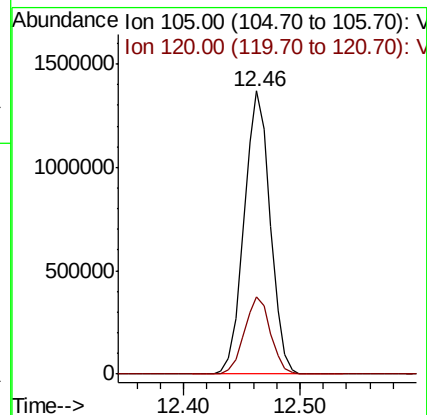
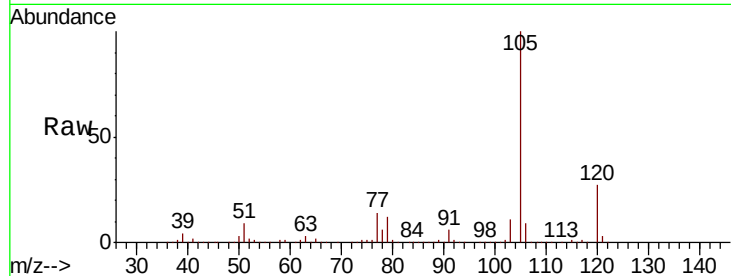
120 27.2 13.5 40.4

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#74

N-ethyl acetate

Concen: 136.878 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion: 43 Resp: 462331

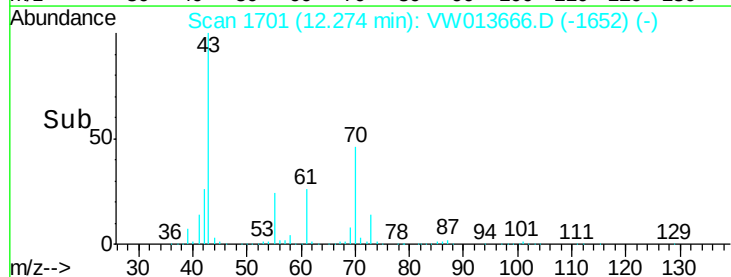
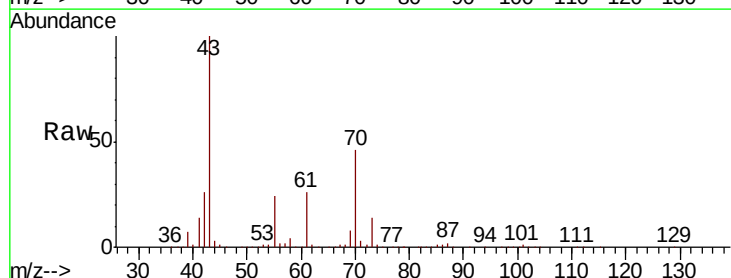
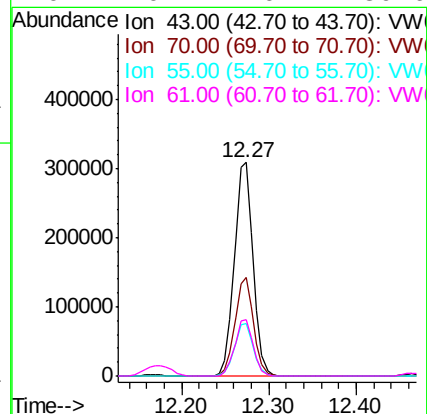
Ion Ratio Lower Upper

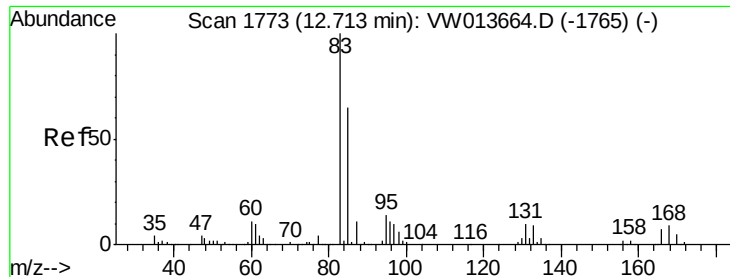
43 100

70 45.7 36.6 55.0

55 24.7 20.3 30.5

61 26.1 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 129.204 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

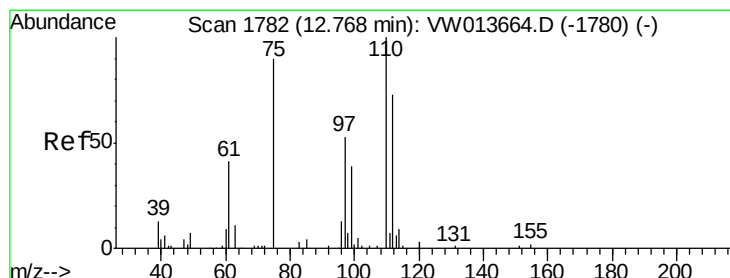
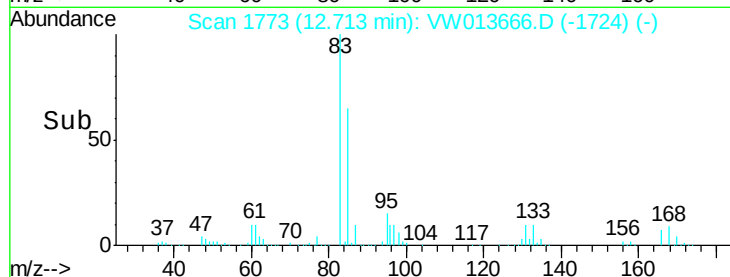
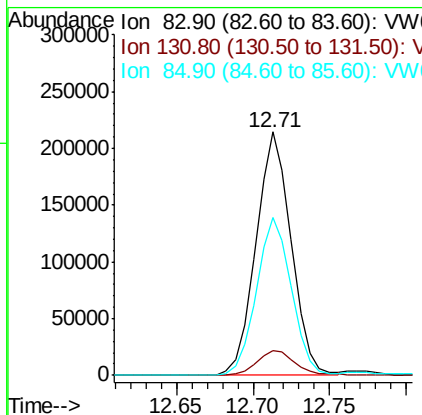
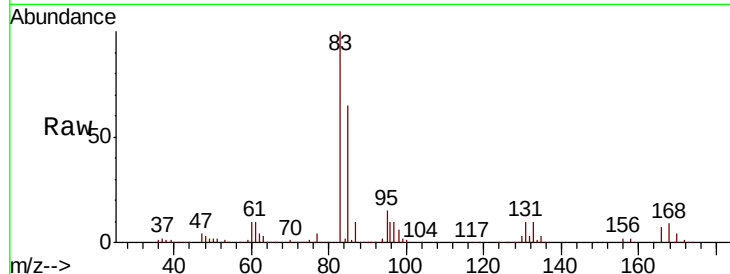
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	342300
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.1
85	64.5	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 119.683 ug/l m

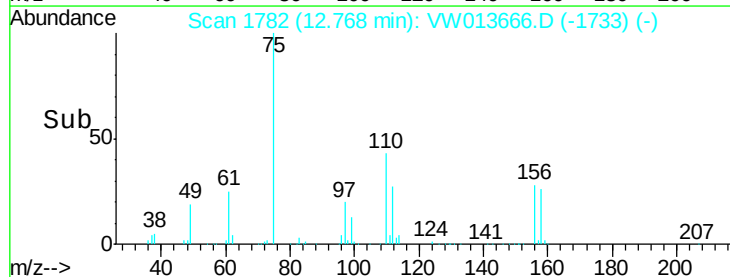
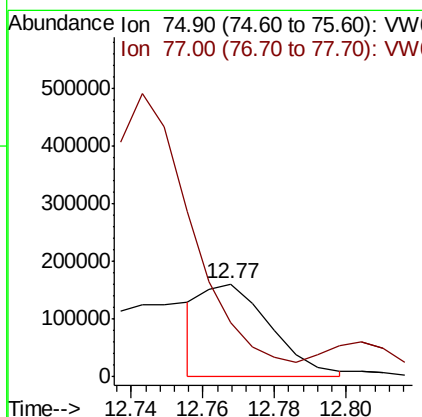
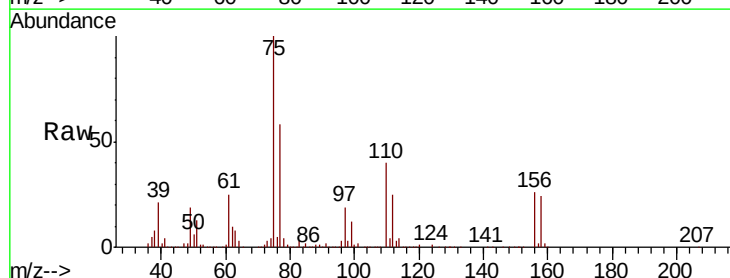
RT: 12.77 min Scan# 1782

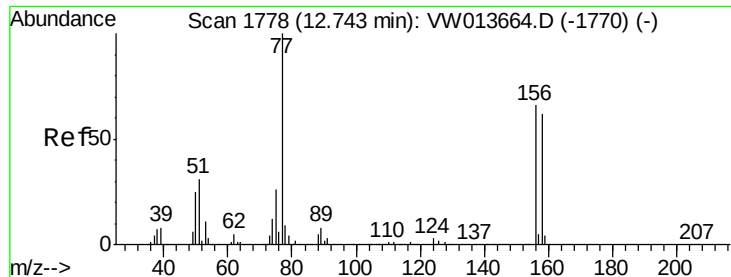
Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion:	75	Resp:	215507
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 139.520 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

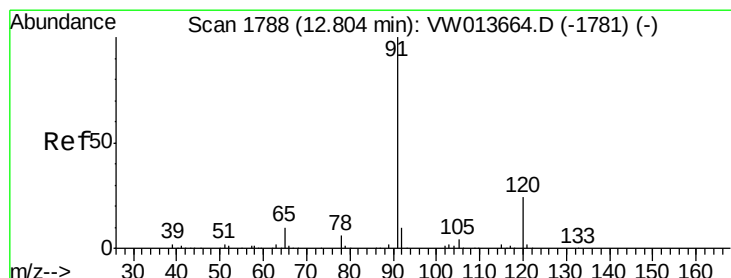
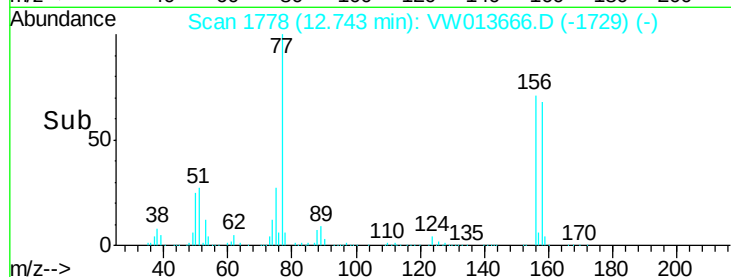
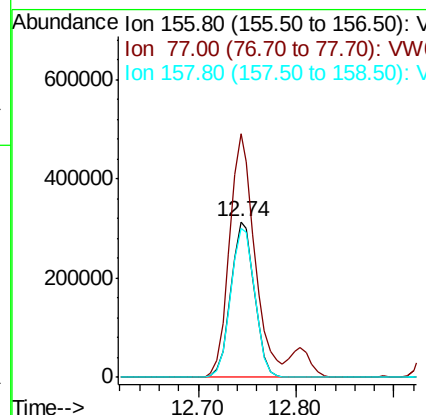
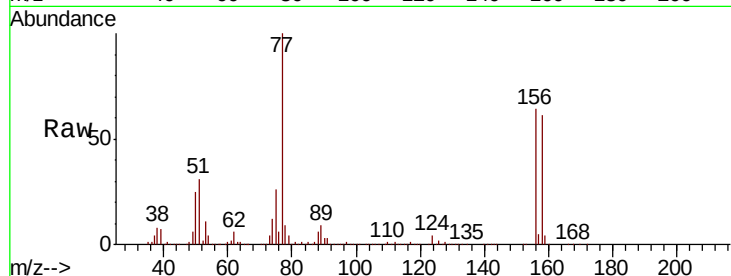
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		521912		
77	167.9	82.9	248.7		
158	98.1	48.4	145.2		

Manual Integrations
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#78

n-propylbenzene

Concen: 137.445 ug/l

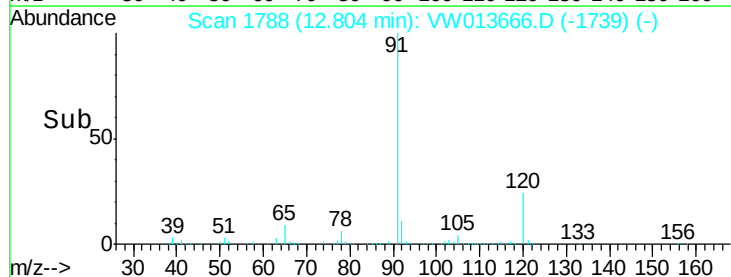
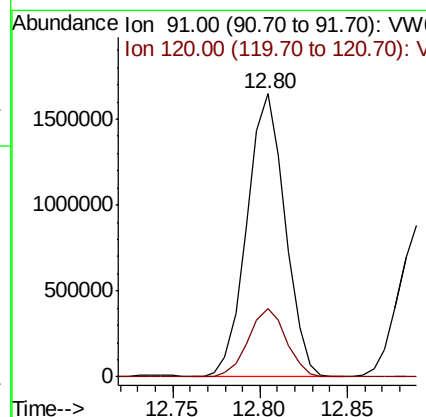
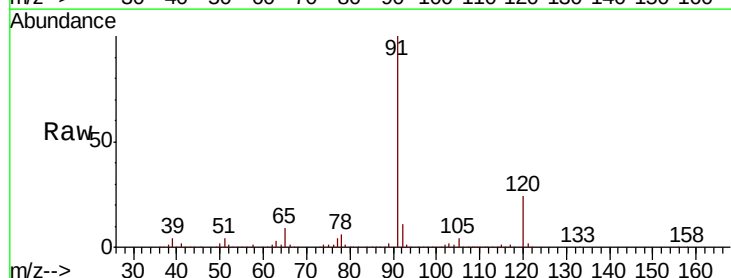
RT: 12.80 min Scan# 1788

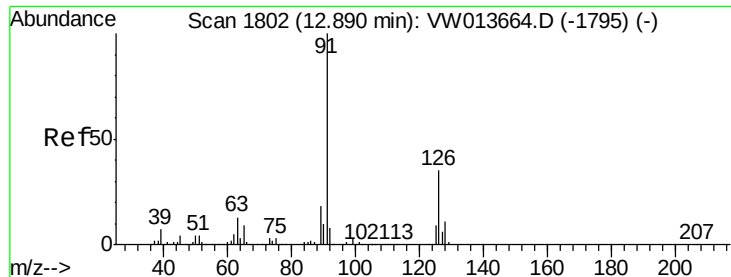
Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2501258		
120	24.0	12.0	36.0		





#79

2-Chlorotoluene

Concen: 136.857 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1397891

Ion Ratio Lower Upper

91 100

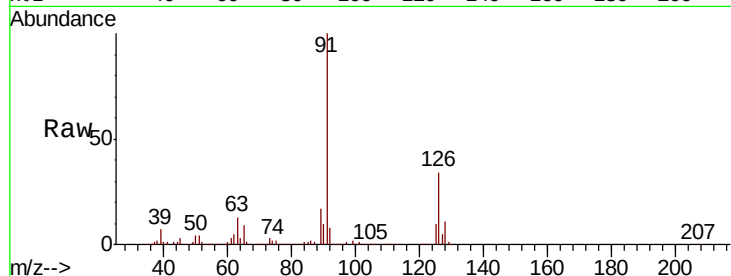
126 35.0 17.4 52.2

Manual Integrations

APPROVED

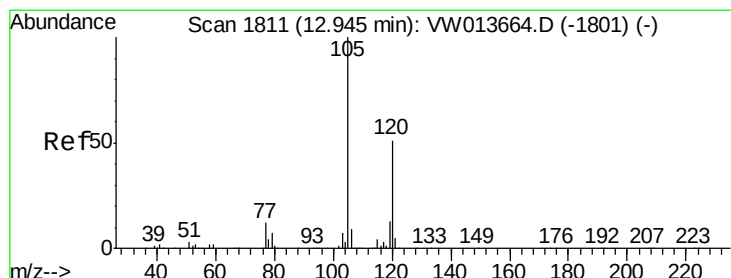
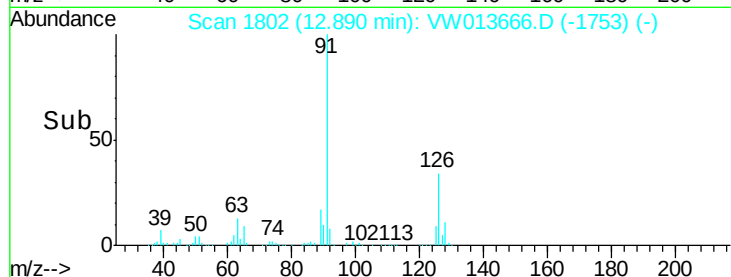
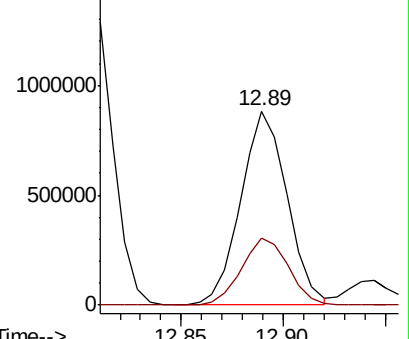
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 137.246 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013666.D

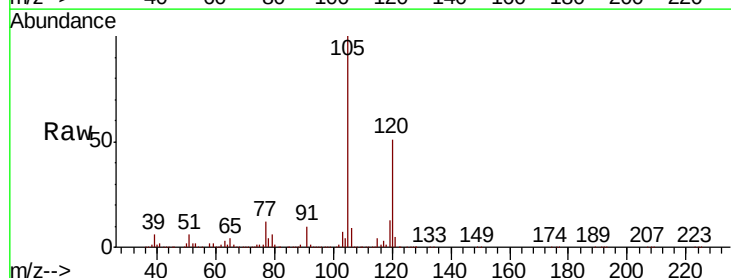
Acq: 23 Oct 2019 13:34

Tgt Ion:105 Resp: 1802598

Ion Ratio Lower Upper

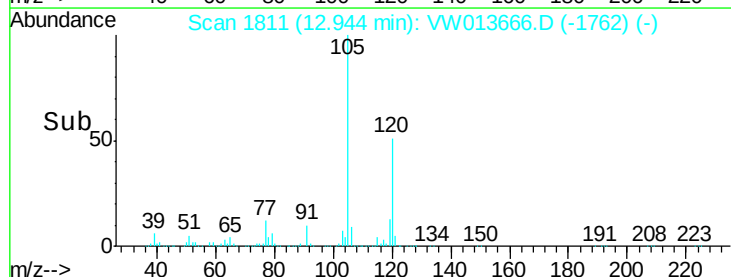
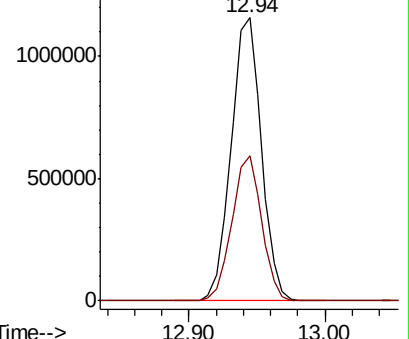
105 100

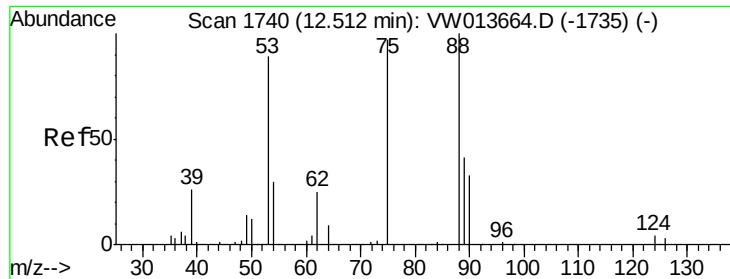
120 50.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





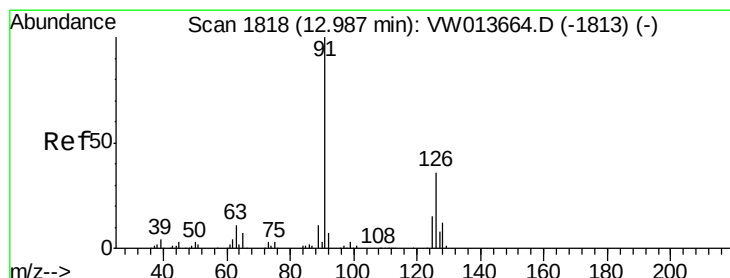
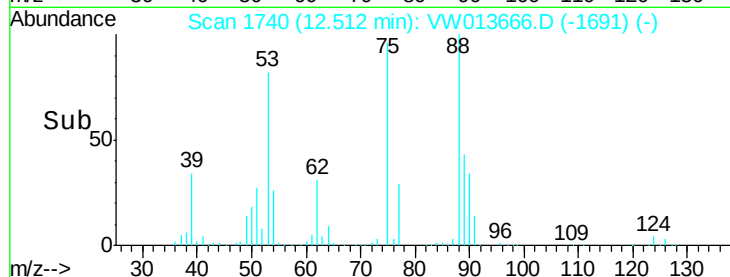
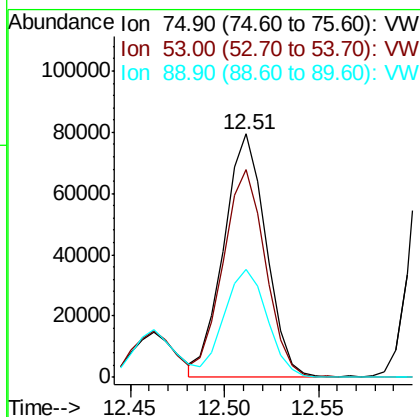
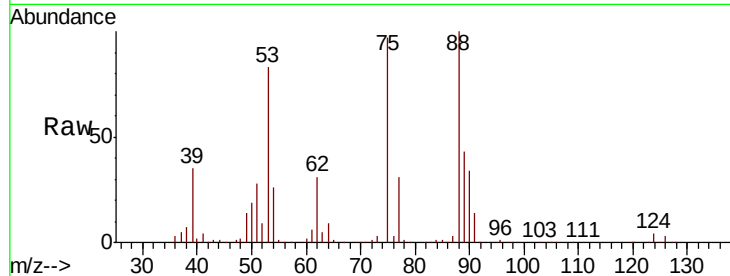
#81
trans-1,4-Dichloro-2-butene
Concen: 138.955 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.7	71.7	107.5
89	45.3	35.8	53.8

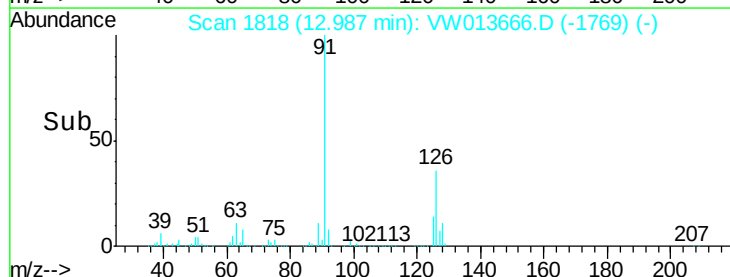
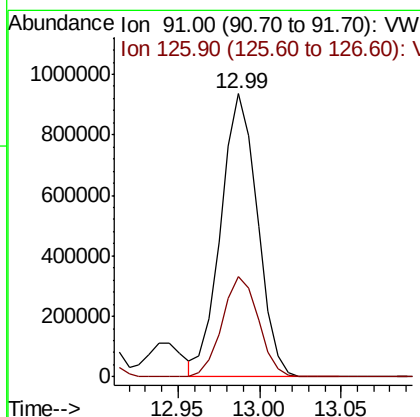
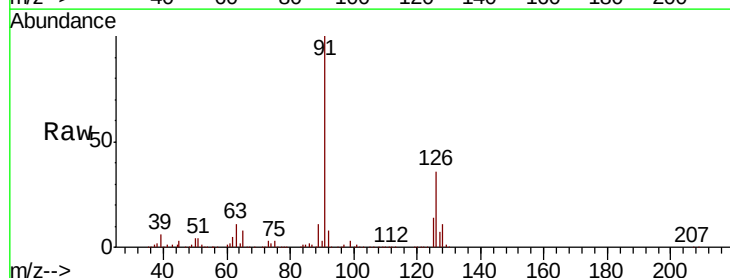
Manual Integrations
APPROVED

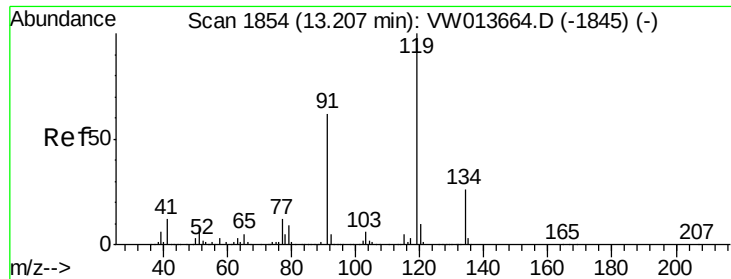
MMDadoda
10/24/2019 1:26:56 PM



#82
4-Chlorotoluene
Concen: 137.736 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.2	51.5





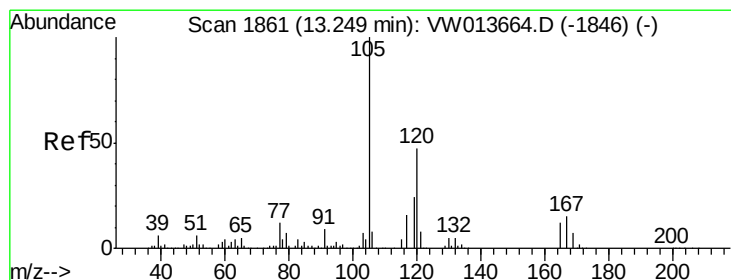
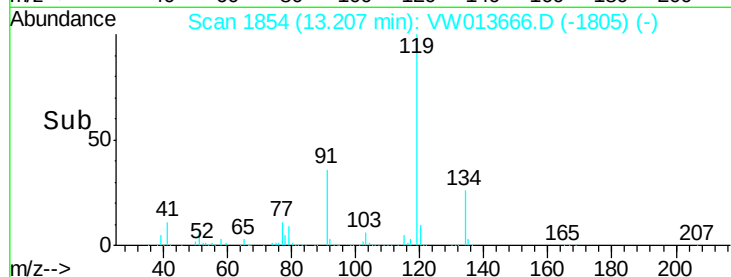
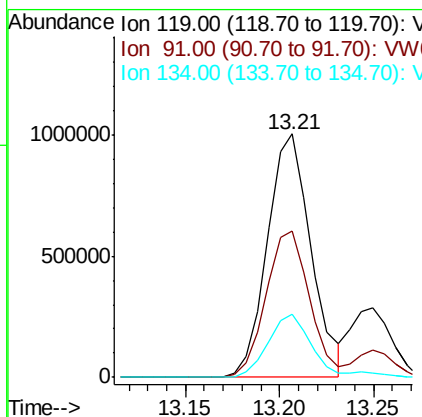
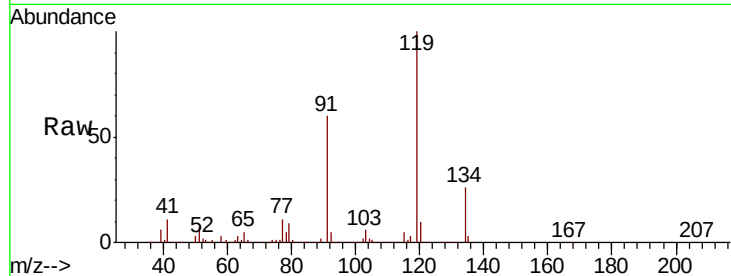
#83
tert-Butylbenzene
Concen: 138.300 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1612968
Ion Ratio Lower Upper
119 100
91 59.9 30.4 91.3
134 27.0 13.6 40.8

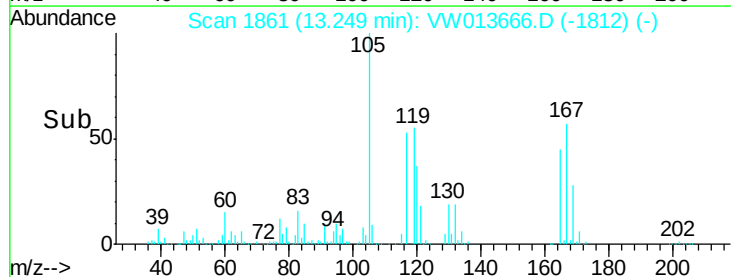
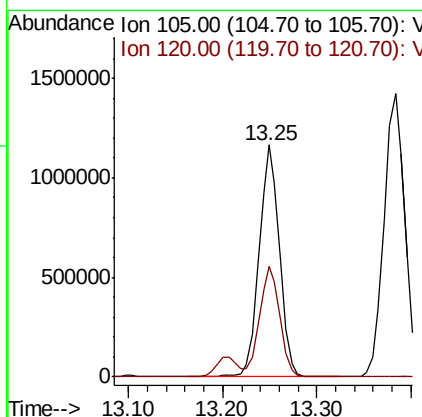
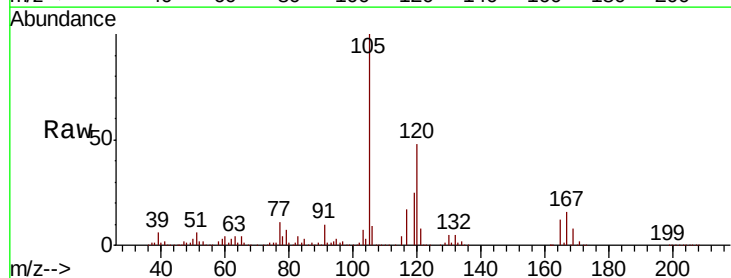
Manual Integrations
APPROVED

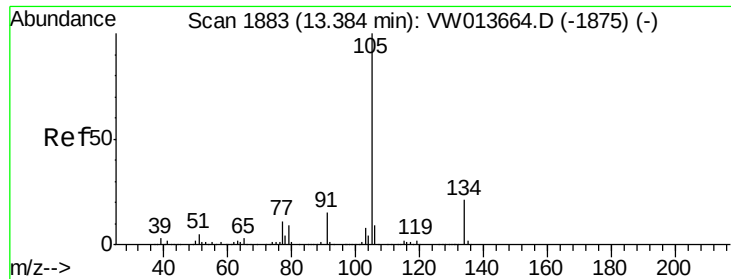
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#84
1,2,4-Trimethylbenzene
Concen: 136.144 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion:105 Resp: 1768510
Ion Ratio Lower Upper
105 100
120 47.0 23.5 70.5





#85

sec-Butylbenzene

Concen: 135.589 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2176748

Ion Ratio Lower Upper

105 100

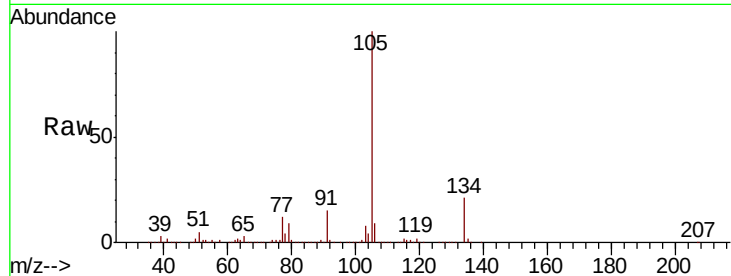
134 20.9 10.5 31.5

Manual Integrations

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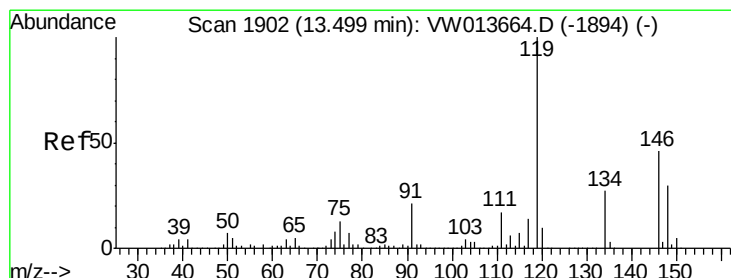
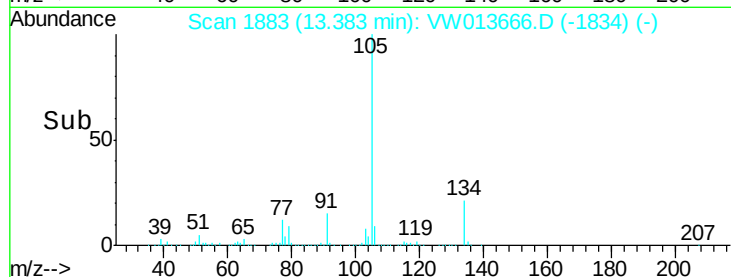
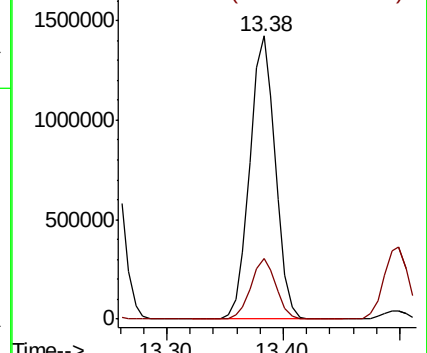
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 136.552 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

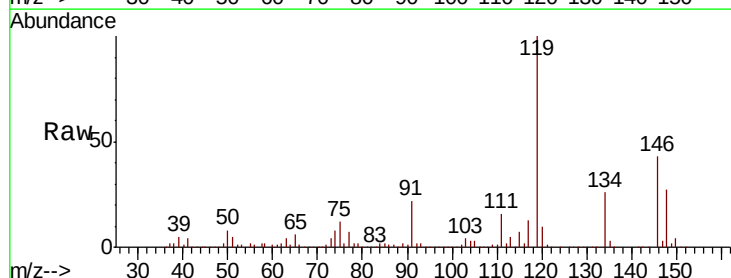
Tgt Ion:119 Resp: 2019217

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

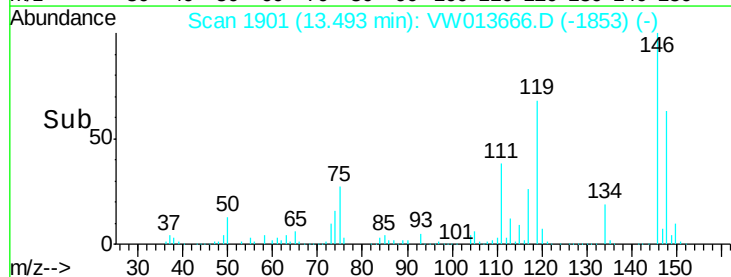
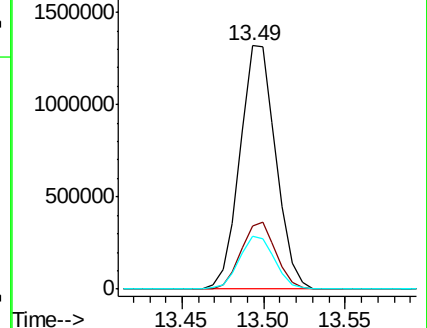
91 21.2 10.8 32.3

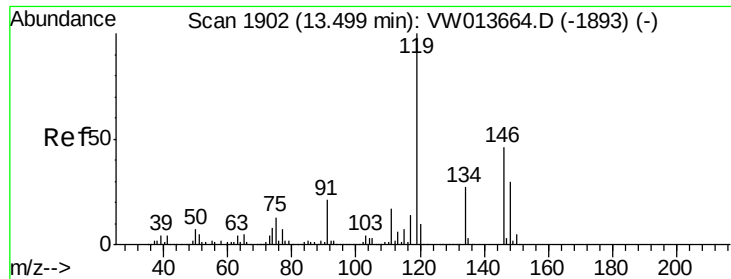


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





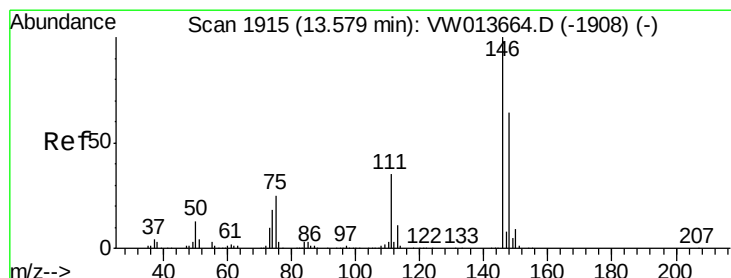
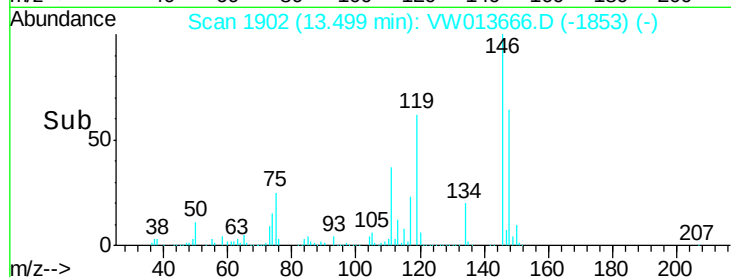
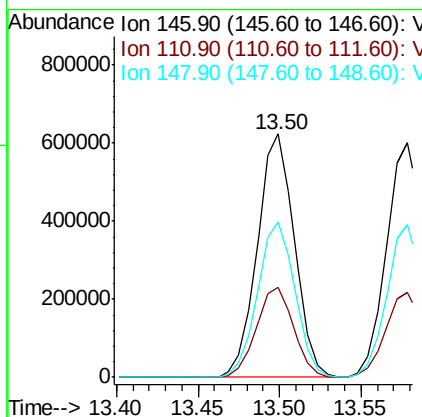
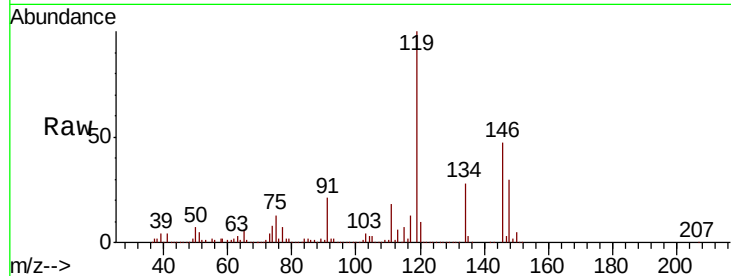
#87
 1,3-Dichlorobenzene
 Concen: 138.882 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	987615		
111	37.2	18.6	56.0	
148	64.1	31.7	95.1	

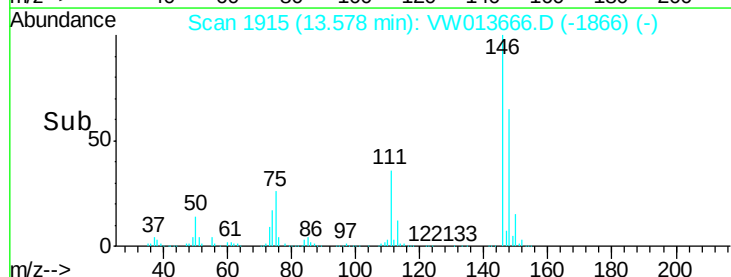
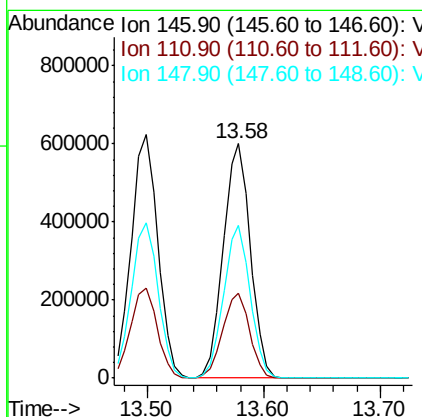
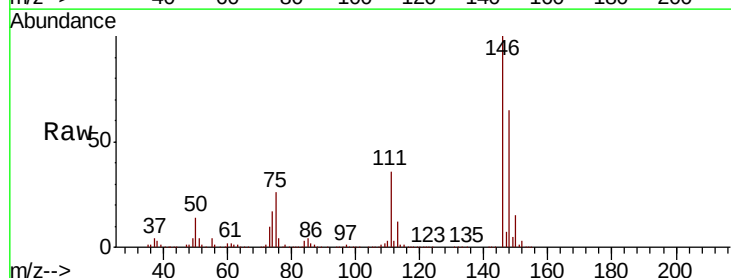
Manual Integrations
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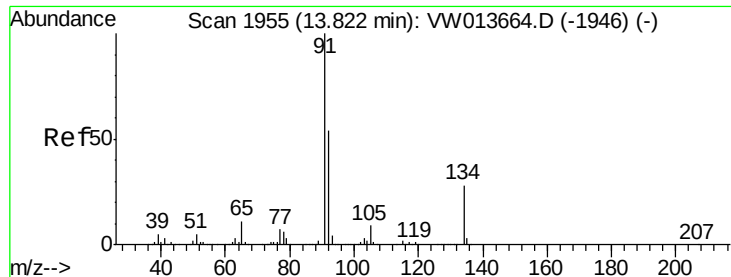
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 10/24/2019 1:26:56 PM



#88
 1,4-Dichlorobenzene
 Concen: 138.563 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	965675		
111	36.1	18.1	54.3	
148	63.9	32.0	96.2	





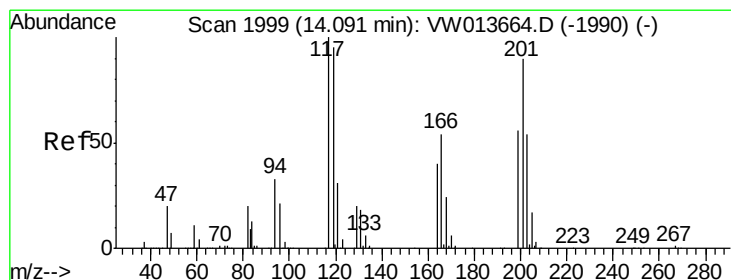
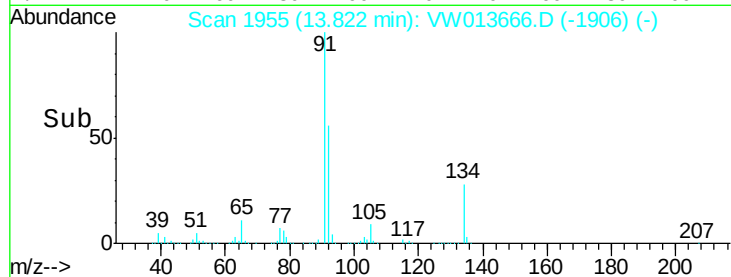
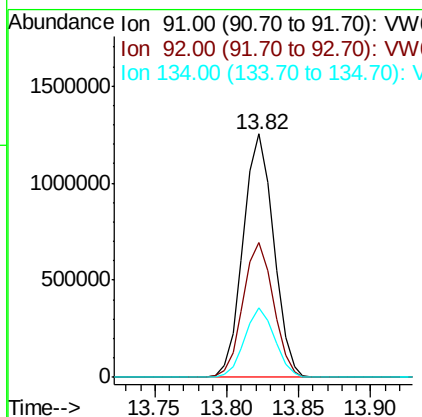
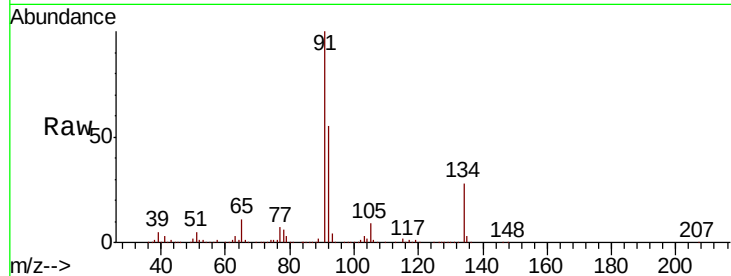
#89
n-Butylbenzene
Concen: 138.210 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1845460
Ion Ratio Lower Upper
91 100
92 55.4 27.5 82.4
134 27.9 14.0 41.9

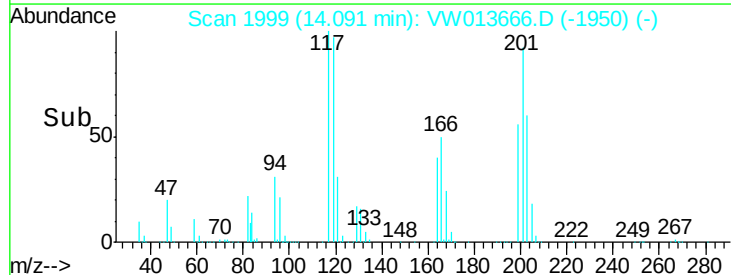
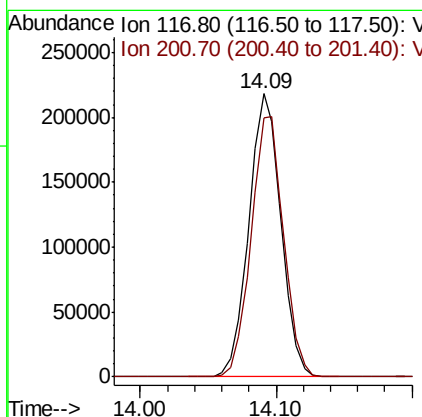
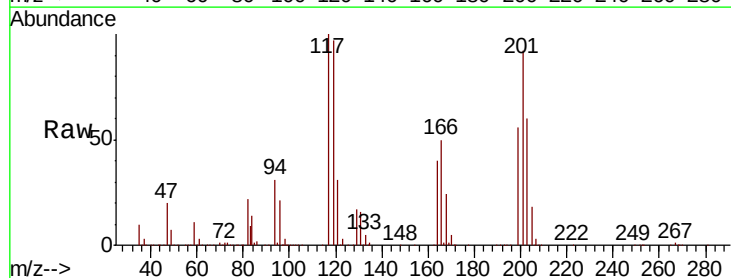
Manual Integrations
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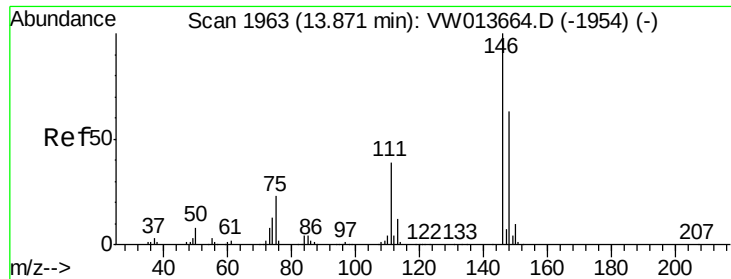
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#90
Hexachloroethane
Concen: 141.295 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion: 117 Resp: 359902
Ion Ratio Lower Upper
117 100
201 93.2 46.1 138.2





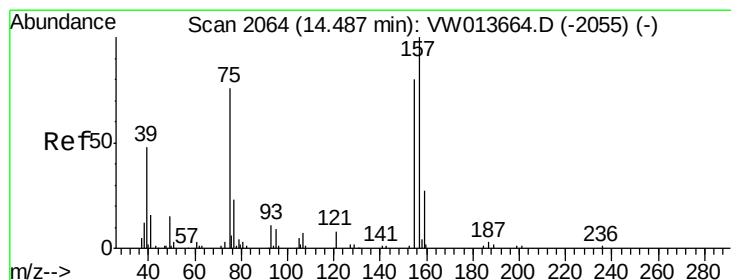
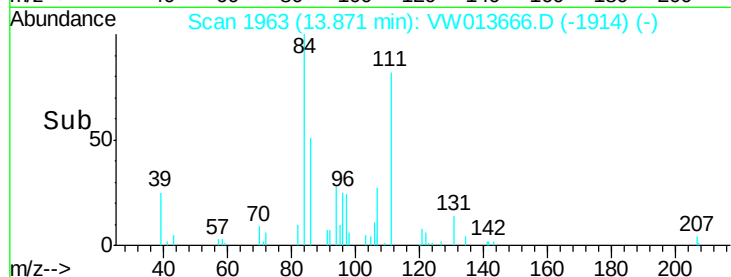
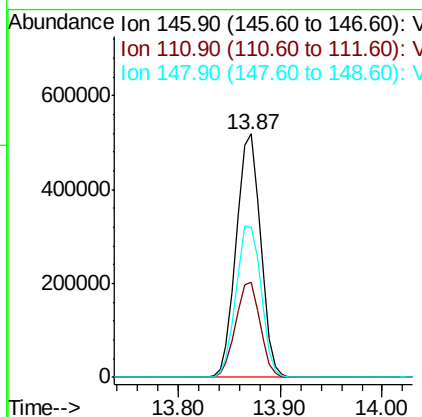
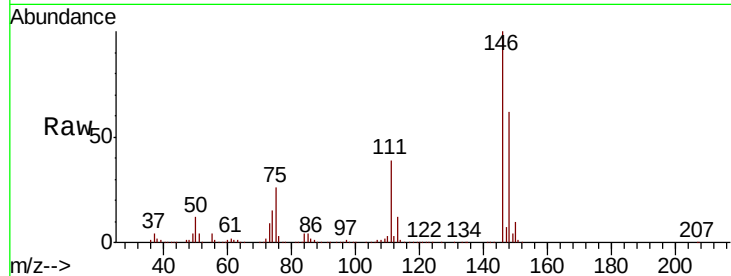
#91
 1,2-Dichlorobenzene
 Concen: 136.366 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	64.3	31.9	95.9

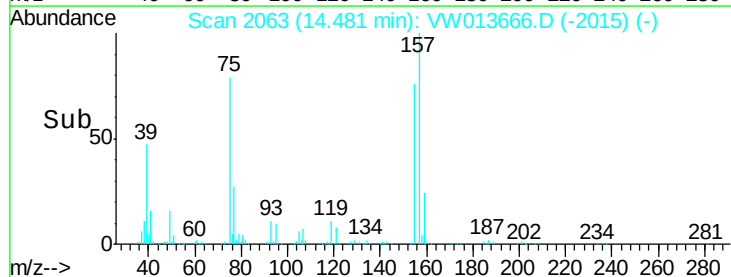
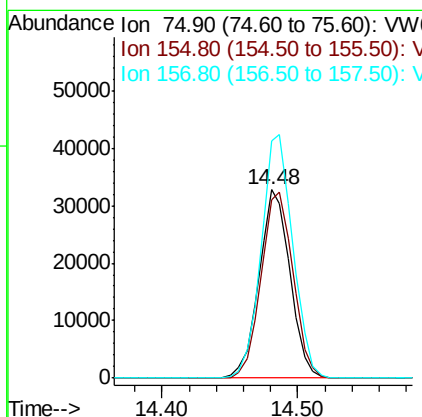
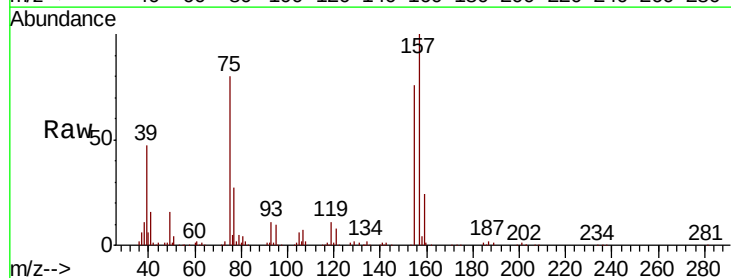
Manual Integrations
 APPROVED

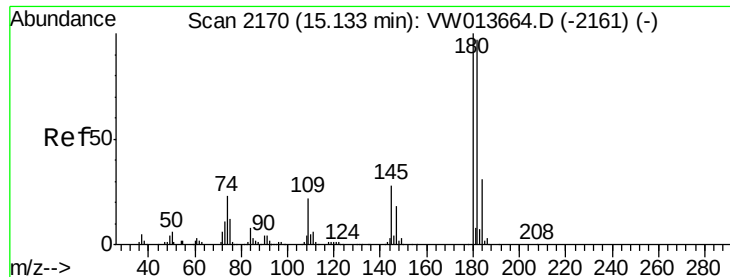
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 10/24/2019 1:26:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 125.096 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013666.D
 Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.7	51.9	155.7
157	131.6	64.8	194.3





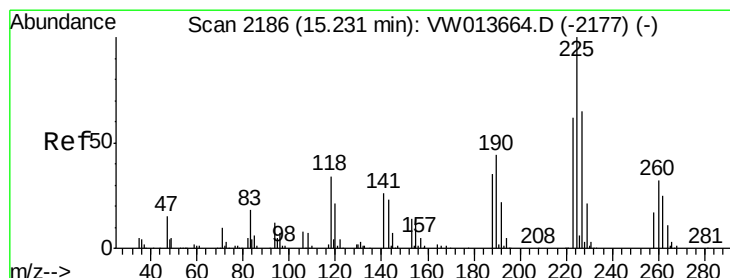
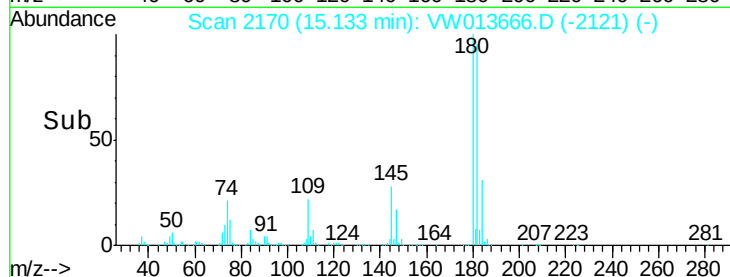
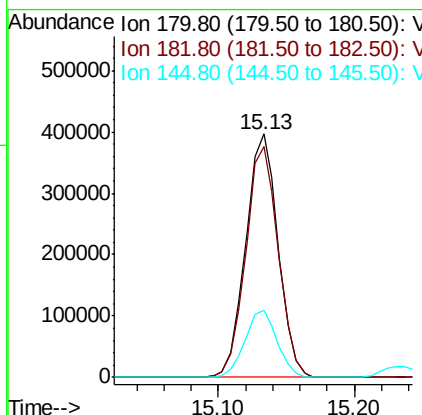
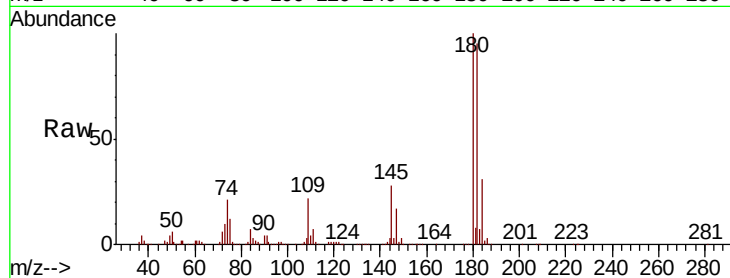
#93
1,2,4-Trichlorobenzene
Concen: 148.756 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	661386		
182	95.1	47.4	142.2	
145	27.5	14.1	42.3	

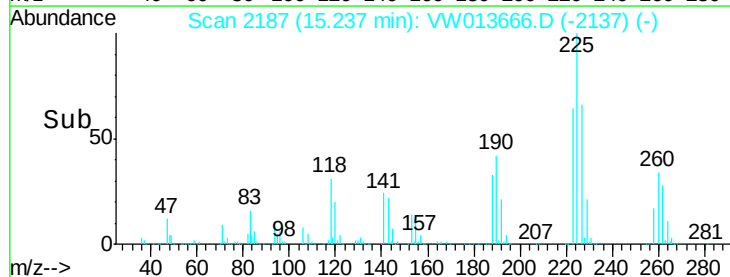
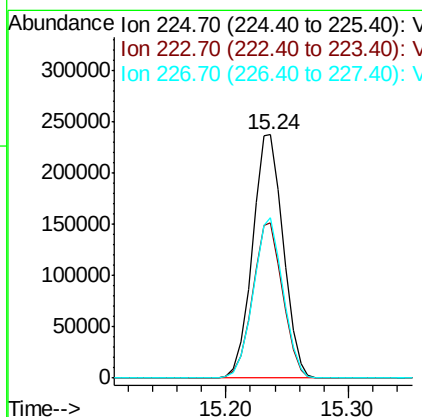
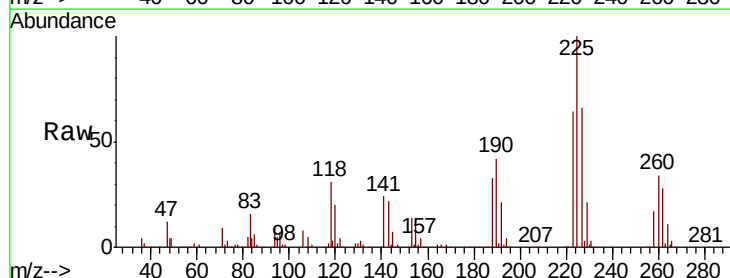
Manual Integrations
APPROVED

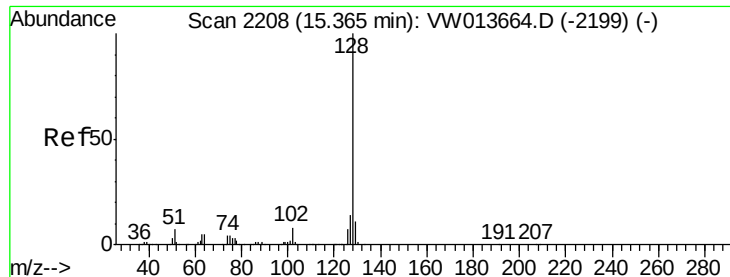
MMDadoda
10/24/2019 1:26:56 PM



#94
Hexachlorobutadiene
Concen: 140.512 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VW013666.D
Acq: 23 Oct 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	415008		
223	62.4	31.9	95.9	
227	63.6	32.5	97.4	





#95

Naphthalene

Concen: 145.088 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1103365

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

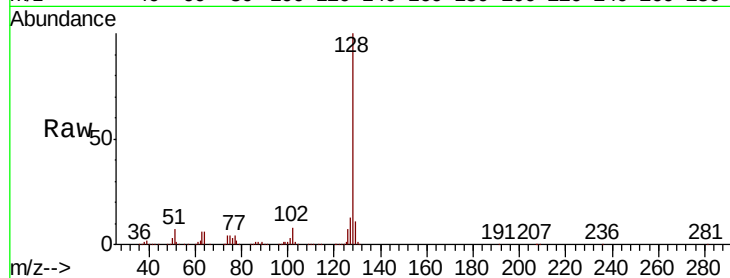
129 11.0 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

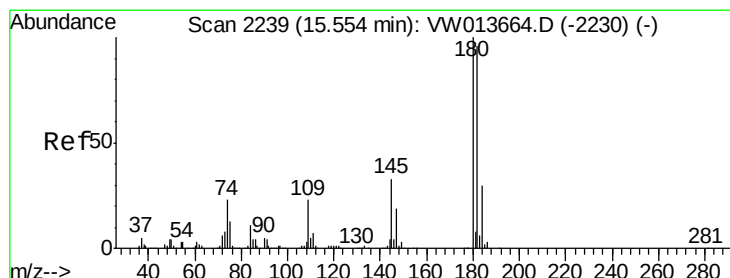
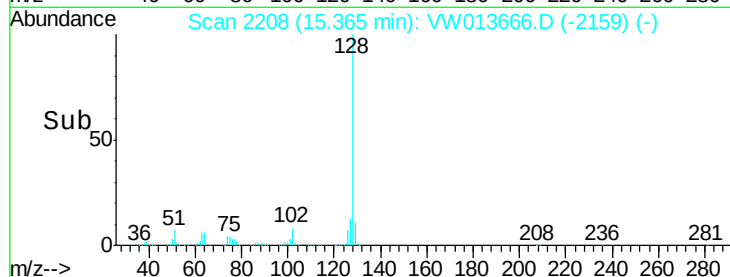
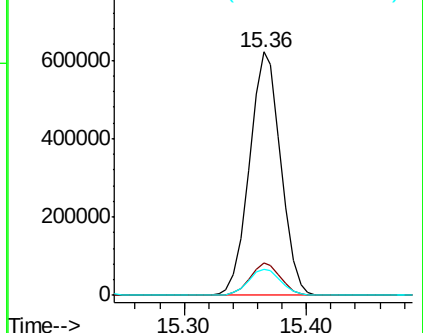
10/24/2019 1:26:56 PM



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: 144.560 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013666.D

Acq: 23 Oct 2019 13:34

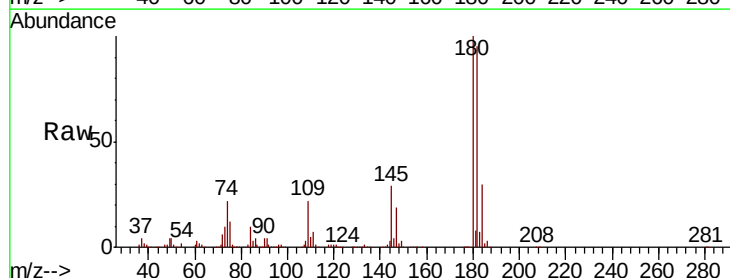
Tgt Ion:180 Resp: 562345

Ion Ratio Lower Upper

180 100

182 97.0 47.4 142.3

145 30.0 14.9 44.9



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

