

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013689.D
 Acq On : 24 Oct 2019 02:13
 Operator : SY/VA
 Sample : VW1023SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:25:47 PM

Quant Time: Oct 24 08:40:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	262956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	112418	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	
35) Dibromofluoromethane	7.88	113	111416	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	10.32	98	448753	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.62	95	156433	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31471	22.717	ug/l	100
3) Chloromethane	2.21	50	33090	22.226	ug/l	99
4) Vinyl Chloride	2.36	62	49277	21.916	ug/l	99
5) Bromomethane	2.76	94	31907	21.577	ug/l	94
6) Chloroethane	2.92	64	29204	21.466	ug/l	98
7) Trichlorofluoromethane	3.26	101	24339	17.331	ug/l	98
8) Diethyl Ether	3.68	74	26118	23.019	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47476	20.795	ug/l	98
10) Methyl Iodide	4.27	142	79905	21.478	ug/l	100
11) Tert butyl alcohol	5.17	59	18037	153.168	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	48811	20.697	ug/l	97
13) Acrolein	3.88	56	13151	97.478	ug/l	94
14) Allyl chloride	4.67	41	73668	20.315	ug/l	98
15) Acrylonitrile	5.37	53	63346	137.301	ug/l	97
16) Acetone	4.12	43	46966	112.291	ug/l	100
17) Carbon Disulfide	4.39	76	138084	20.388	ug/l	99
18) Methyl Acetate	4.67	43	37812	32.979	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	64328	22.731	ug/l	98
20) Methylene Chloride	4.92	84	58234	22.715	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52708	20.765	ug/l	99
22) Diisopropyl ether	6.31	45	145246	21.958	ug/l	97
23) Vinyl Acetate	6.25	43	431529	112.432	ug/l	99
24) 1,1-Dichloroethane	6.21	63	88804	21.198	ug/l	97
25) 2-Butanone	7.17	43	81278	135.166	ug/l	92
26) 2,2-Dichloropropane	7.16	77	46631	19.249	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	57955	21.497	ug/l	99
28) Bromochloromethane	7.51	49	24213	17.128	ug/l #	95
29) Tetrahydrofuran	7.53	42	53501	143.712	ug/l	99
30) Chloroform	7.67	83	87543	21.139	ug/l	98
31) Cyclohexane	7.96	56	88268	20.134	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	68617	21.114	ug/l	98
36) 1,1-Dichloropropene	8.08	75	71222	20.320	ug/l	99
37) Ethyl Acetate	7.25	43	34019	25.355	ug/l	97
38) Carbon Tetrachloride	8.07	117	63332	20.065	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	89895	19.860	ug/l	100
40) Benzene	8.32	78	207041	20.873	ug/l	98
41) Methacrylonitrile	7.48	41	21052	25.161	ug/l	96
42) 1,2-Dichloroethane	8.40	62	56691	22.680	ug/l	98
43) Isopropyl Acetate	8.42	43	64166	24.984	ug/l	98
44) Trichloroethene	9.09	130	58464	20.576	ug/l	92
45) 1,2-Dichloropropane	9.37	63	51981	21.940	ug/l	99
46) Dibromomethane	9.46	93	26542	23.081	ug/l	98
47) Bromodichloromethane	9.64	83	63956	21.495	ug/l	96
48) Methyl methacrylate	9.43	41	30189	23.704	ug/l	91
49) 1,4-Dioxane	9.44	88	10214	601.081	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	168915	132.358	ug/l	99
52) Toluene	10.38	92	131620	20.571	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	64980	21.573	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	78130	21.024	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	39274	22.916	ug/l	97
56) Ethyl methacrylate	10.65	69	51994	24.249	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66623	22.653	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	117205	118.769	ug/l	99
59) 2-Hexanone	10.97	43	117876	133.980	ug/l	100
60) Dibromochloromethane	11.13	129	44788	22.011	ug/l	98
61) 1,2-Dibromoethane	11.23	107	37889	23.369	ug/l	100
64) Tetrachloroethene	10.86	164	54165	21.366	ug/l	99
65) Chlorobenzene	11.66	112	139996	20.532	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	48855	20.531	ug/l	100
67) Ethyl Benzene	11.73	91	244343	19.874	ug/l	95
68) m/p-Xylenes	11.84	106	190356	40.074	ug/l	98
69) o-Xylene	12.16	106	88527	20.276	ug/l	98
70) Styrene	12.18	104	155268	20.698	ug/l	100
71) Bromoform	12.35	173	28585	22.891	ug/l #	96
73) Isopropylbenzene	12.46	105	243758	19.785	ug/l	100
74) N-amyl acetate	12.27	43	57103	23.961	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46907	24.127	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30130m	24.456	ug/l	
77) Bromobenzene	12.74	156	60835	20.670	ug/l	97
78) n-propylbenzene	12.80	91	286114	20.065	ug/l	100
79) 2-Chlorotoluene	12.89	91	161941	20.209	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	206843	19.889	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	14291	21.922	ug/l	92
82) 4-Chlorotoluene	12.99	91	170656	20.285	ug/l	97
83) tert-Butylbenzene	13.21	119	183592	19.887	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	208782	20.351	ug/l	100
85) sec-Butylbenzene	13.38	105	251341	19.910	ug/l	99
86) p-Isopropyltoluene	13.50	119	232496	19.771	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	115041	20.175	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	114781	20.261	ug/l	99
89) n-Butylbenzene	13.82	91	204370	19.254	ug/l	99
90) Hexachloroethane	14.09	117	40134	19.635	ug/l	99
91) 1,2-Dichlorobenzene	13.86	146	103591	20.952	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7354	25.015	ug/l	94

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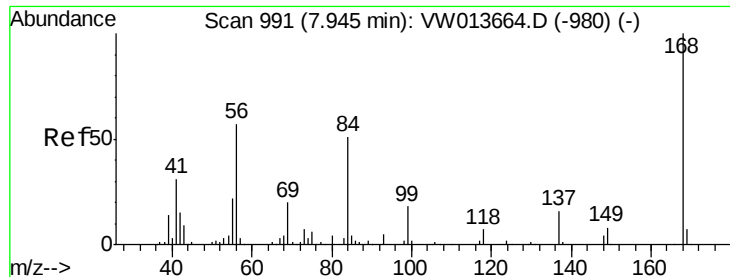
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	71575	19.892	ug/l	98
94) Hexachlorobutadiene	15.23	225	47443	19.531	ug/l	99
95) Naphthalene	15.36	128	133139	23.599	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	65704	21.191	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion:168 Resp: 262956

Ion Ratio Lower Upper

168 100

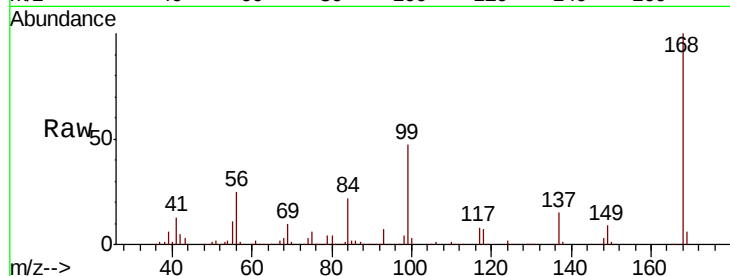
99 47.0 39.0 58.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

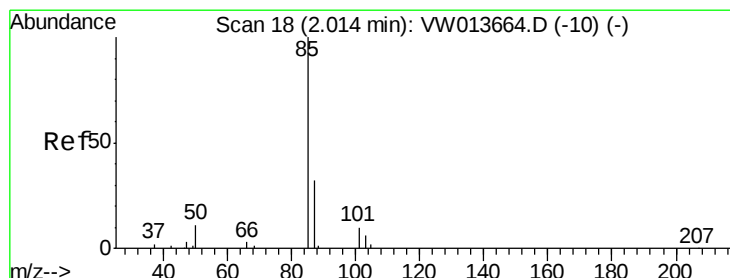
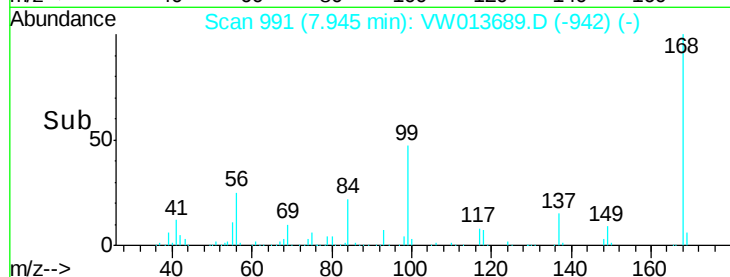
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 22.717 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013689.D

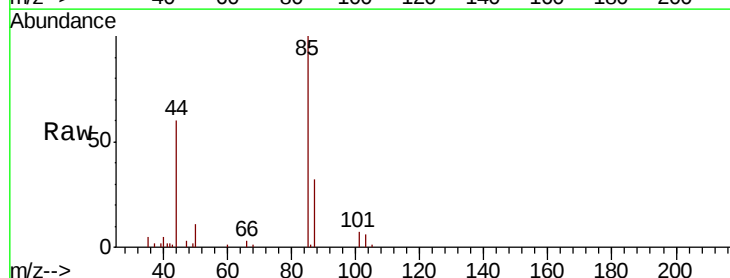
Acq: 24 Oct 2019 02:13

Tgt Ion: 85 Resp: 31471

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

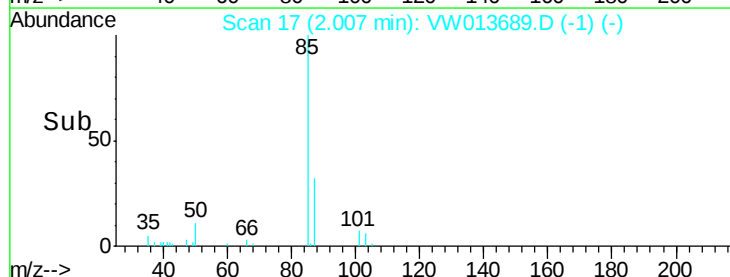
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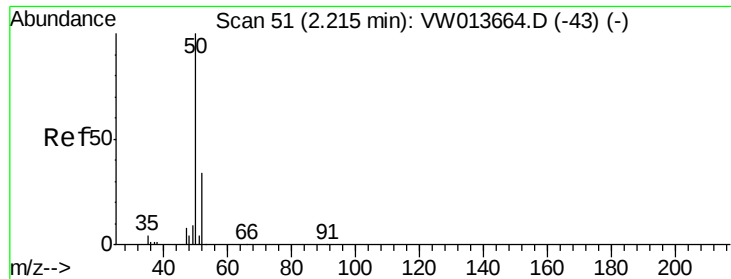
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 22.226 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBSD02

Tot Ion: 50 Resp: 33090

Ion Ratio Lower Upper

50 100

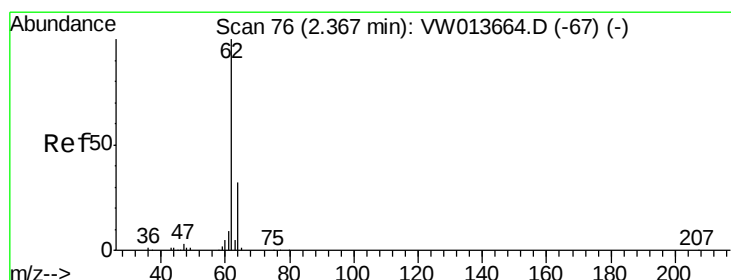
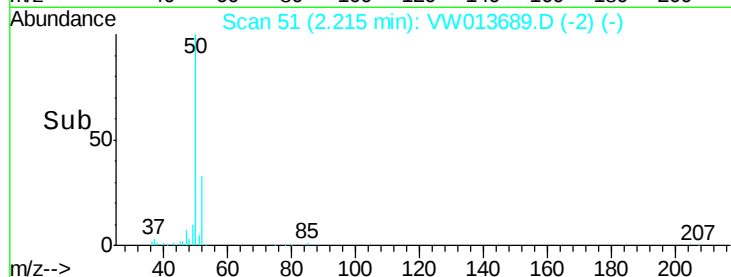
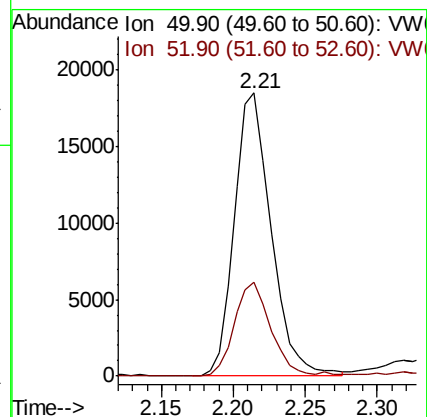
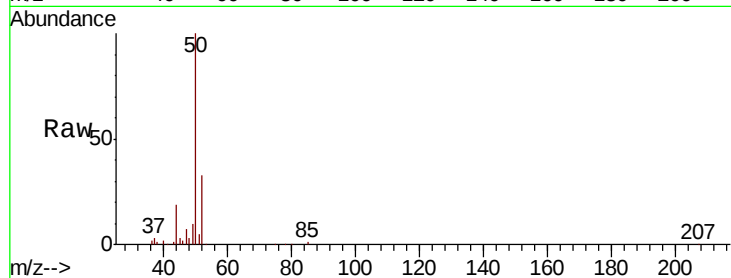
52 33.2 26.9 40.3

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#4

Vinyl Chloride

Concen: 21.916 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013689.D

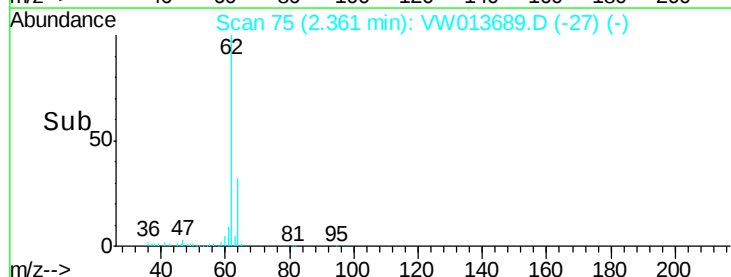
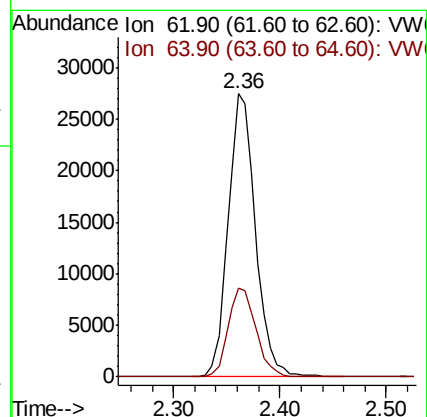
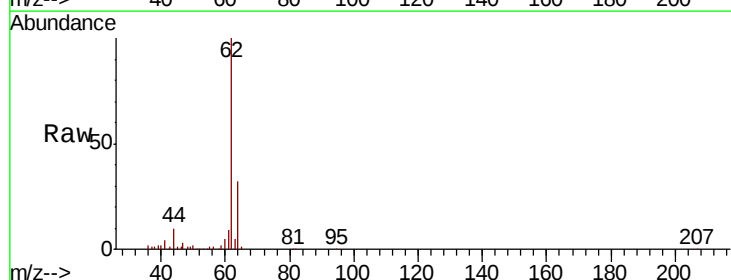
Acq: 24 Oct 2019 02:13

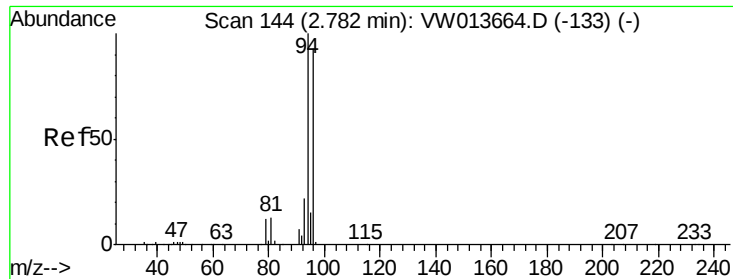
Tgt Ion: 62 Resp: 49277

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 21.577 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.02 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

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ClientSampleId :

VW1023SBSD02

Tot Ion: 94 Resp: 31907

Ion Ratio Lower Upper

94 100

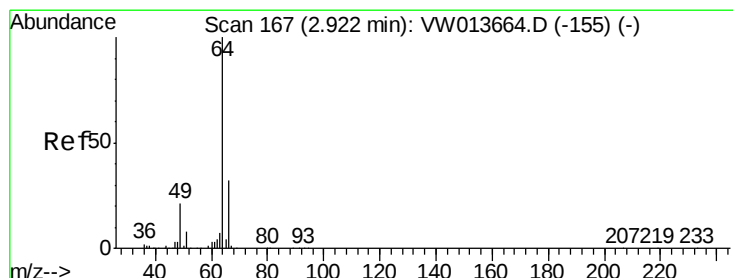
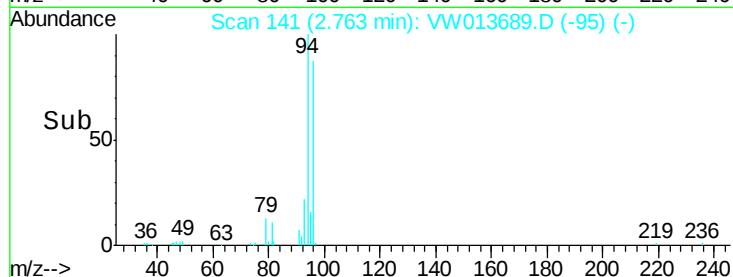
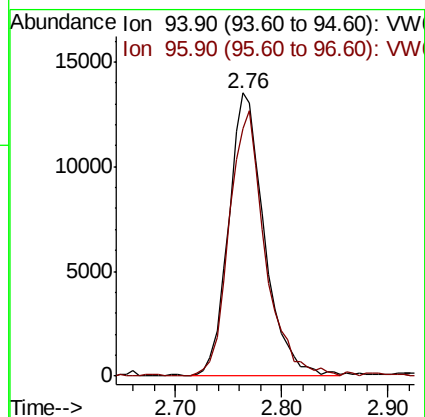
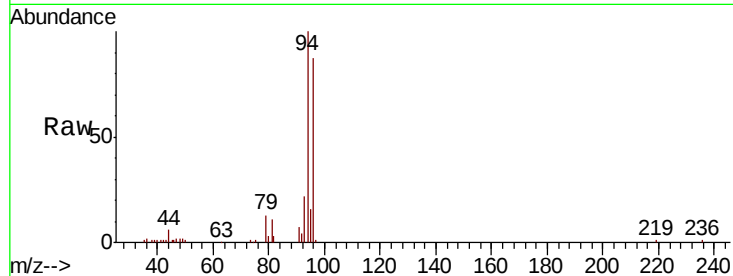
96 87.4 74.6 112.0

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#6

Chloroethane

Concen: 21.466 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013689.D

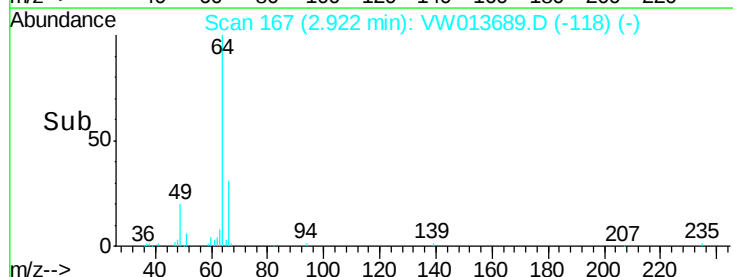
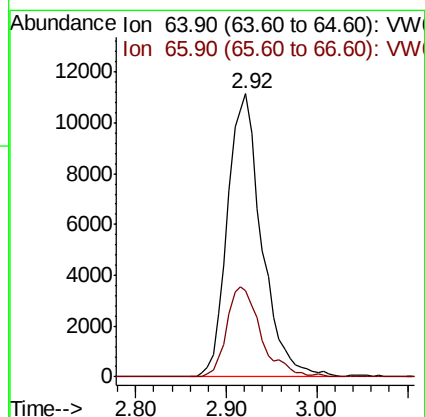
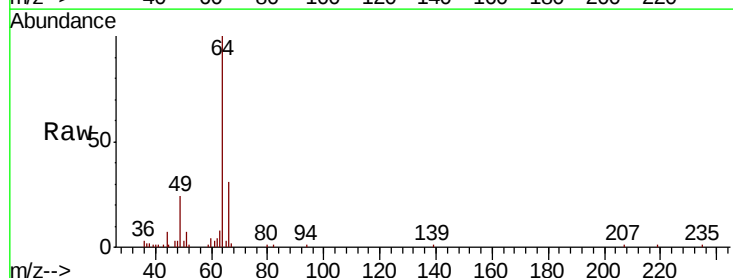
Acq: 24 Oct 2019 02:13

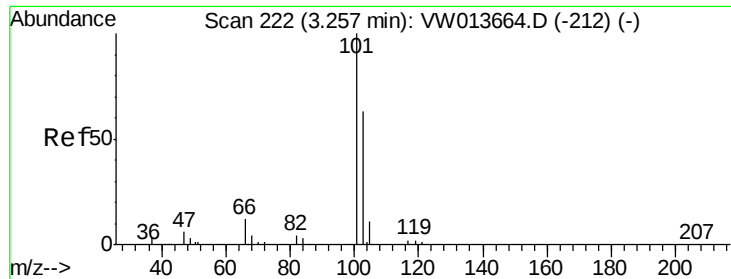
Tgt Ion: 64 Resp: 29204

Ion Ratio Lower Upper

64 100

66 30.5 25.4 38.0





#7

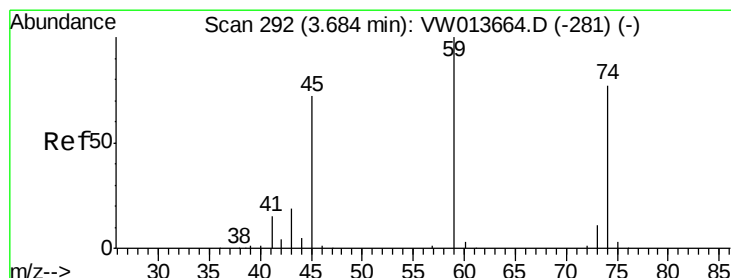
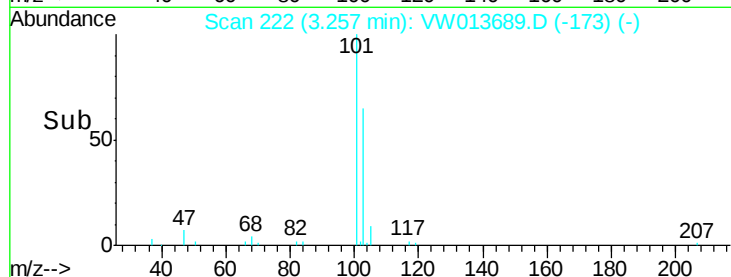
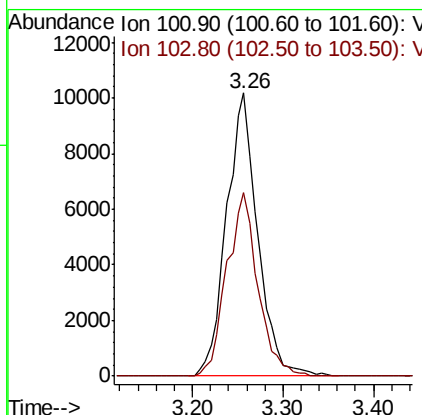
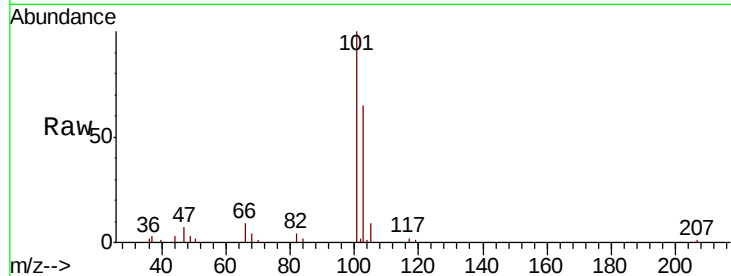
Trichlorofluoromethane
Concen: 17.331 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
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ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.6	76.0

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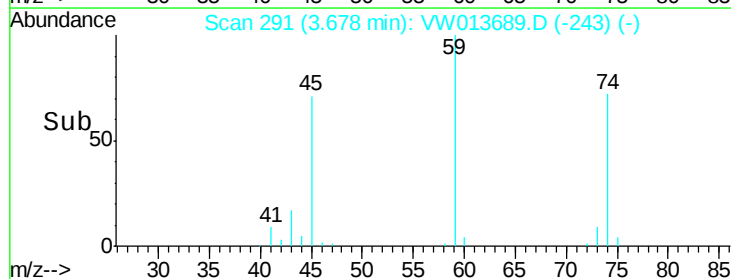
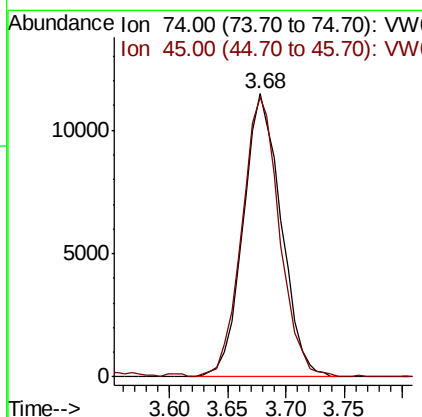
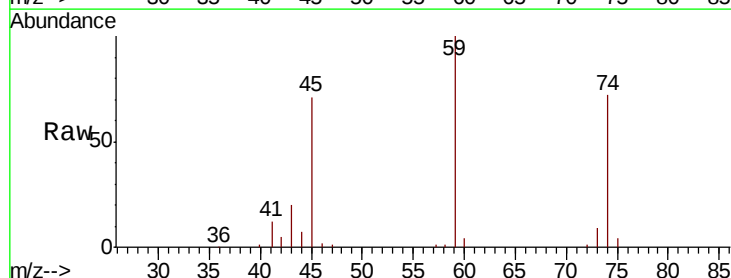
MMDadoda
10/24/2019 1:25:47 PM

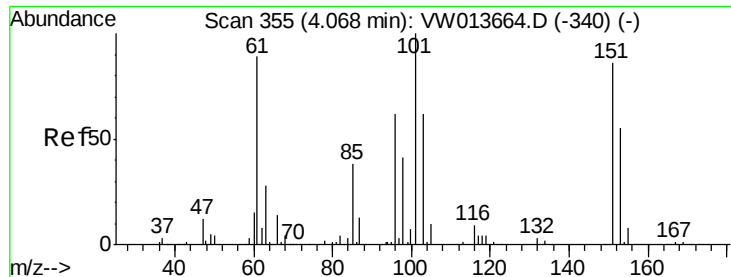


#8

Diethyl Ether
Concen: 23.019 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.795 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

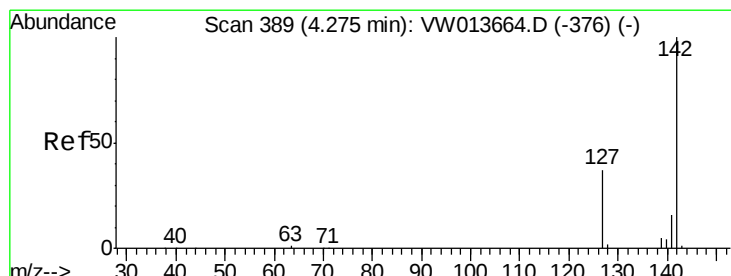
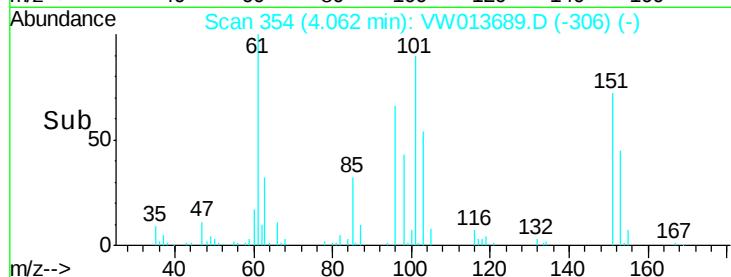
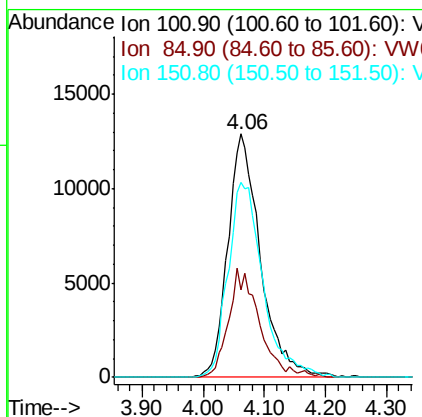
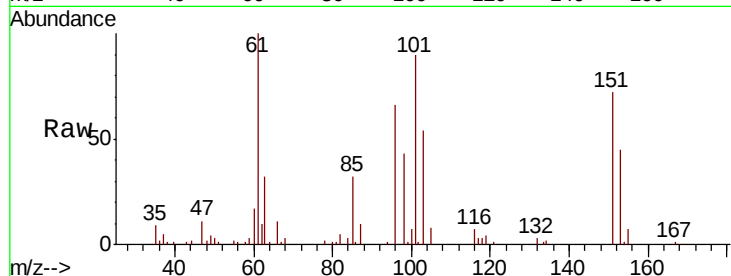
ClientSampleId :

VW1023SBS02

Tot Ion:	101	Resp:	47476
Ion	Ratio	Lower	Upper
101	100		
85	42.4	31.0	46.6
151	85.6	68.2	102.4

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#10

Methyl Iodide

Concen: 21.478 ug/l

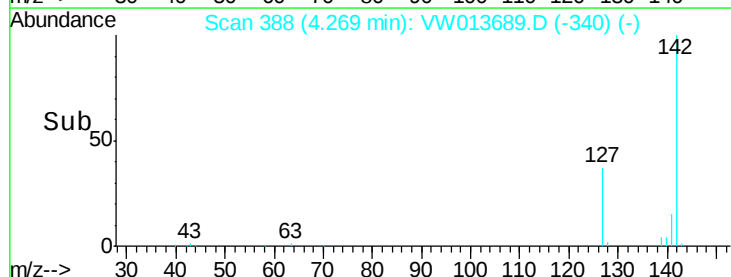
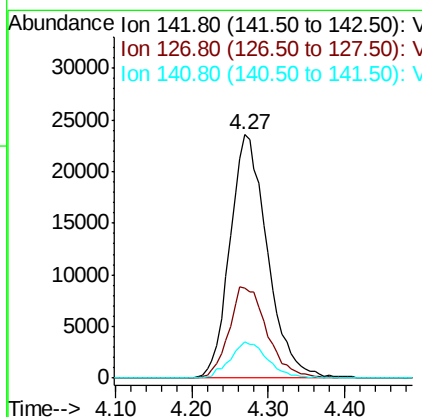
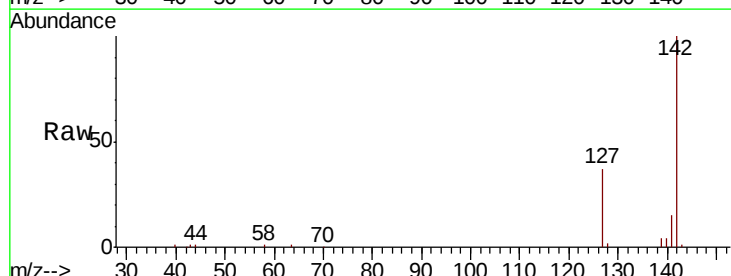
RT: 4.27 min Scan# 388

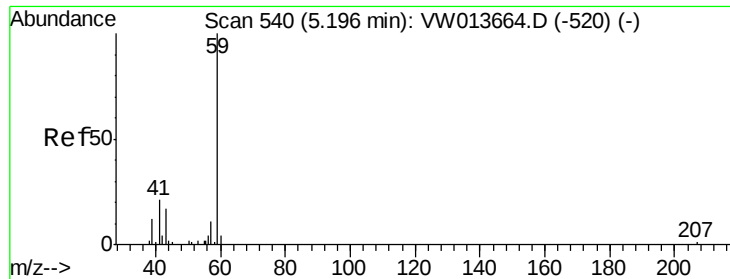
Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Tgt Ion:	142	Resp:	79905
Ion	Ratio	Lower	Upper
142	100		
127	38.2	30.3	45.5
141	15.0	11.8	17.8





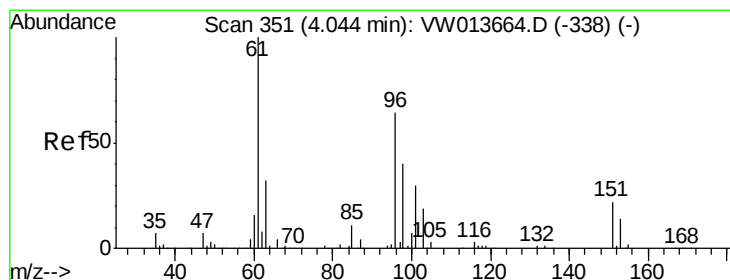
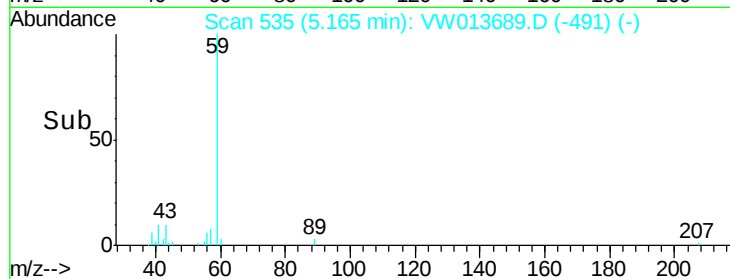
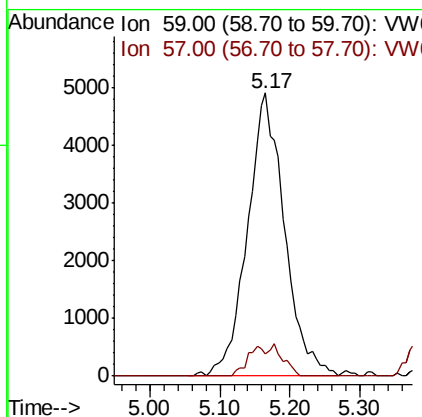
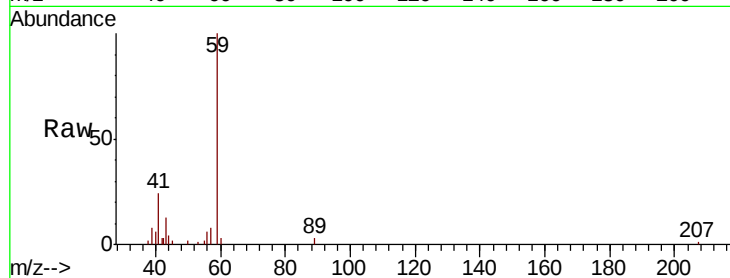
#11
Tert butyl alcohol
Concen: 153.168 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.03 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion: 59 Resp: 18037
Ion Ratio Lower Upper
59 100
57 5.3 8.8 13.2#

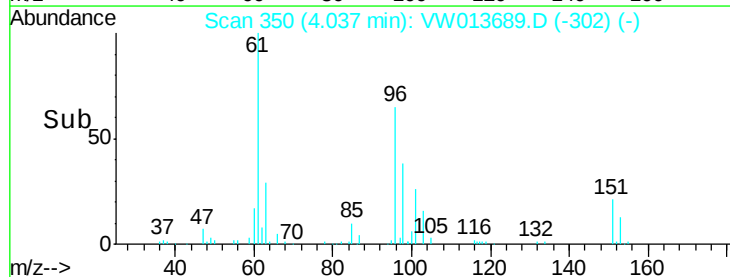
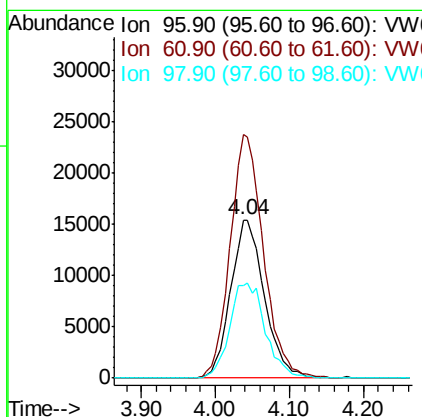
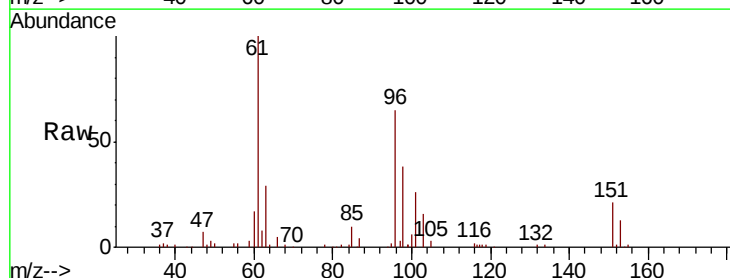
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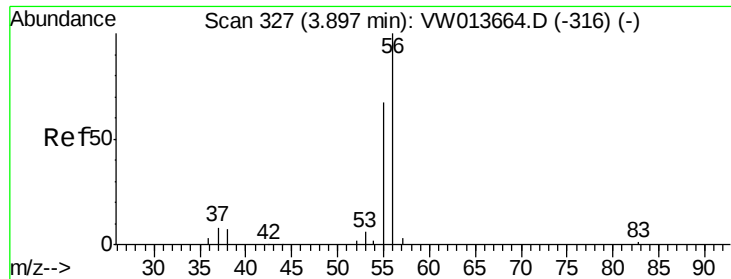
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#12
1,1-Dichloroethene
Concen: 20.697 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 96 Resp: 48811
Ion Ratio Lower Upper
96 100
61 154.0 125.0 187.6
98 58.7 50.3 75.5





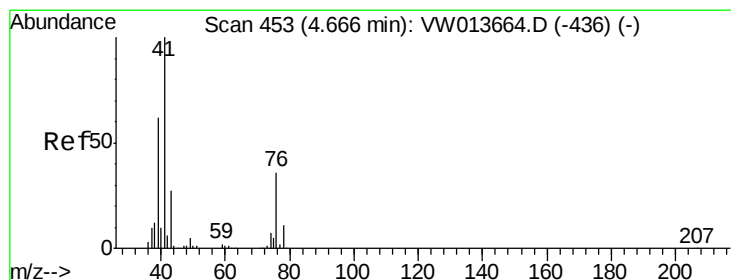
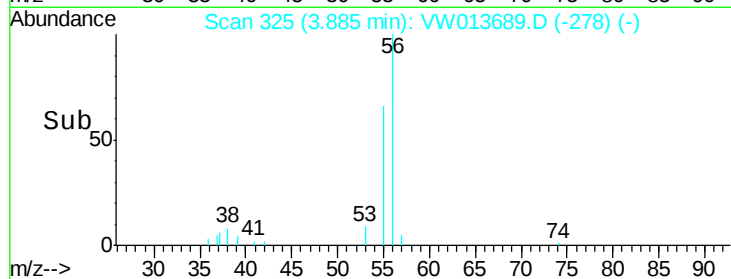
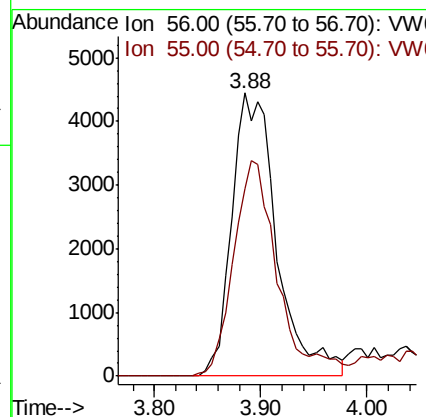
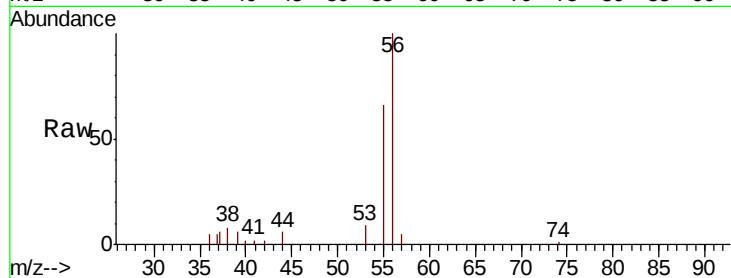
#13
Acrolein
Concen: 97.478 ug/l
RT: 3.88 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	56	55	Ratio	Lower	Upper
13151	100	74.7		56.1	84.1

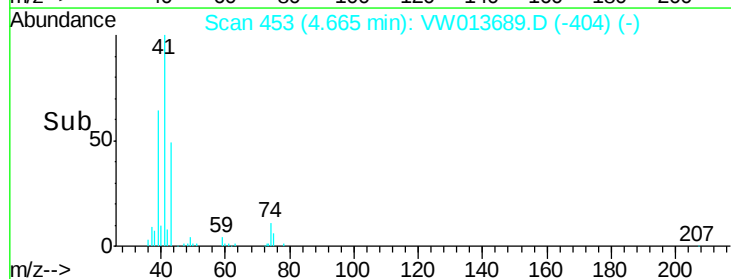
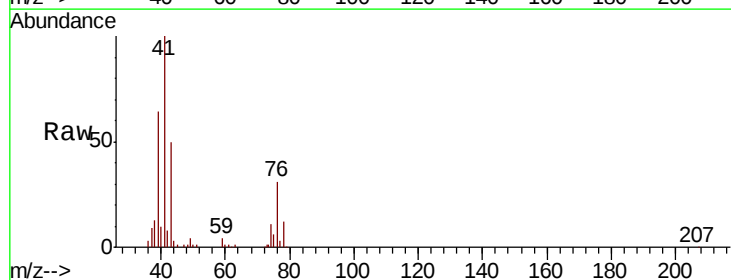
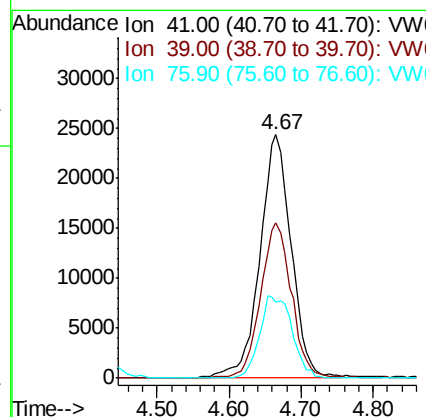
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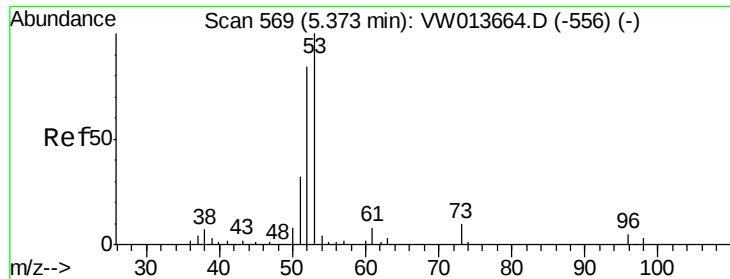
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#14
Allyl chloride
Concen: 20.315 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	41	39	76	Ratio	Lower	Upper
73668	100	61.5	35.0		50.0	75.0
					29.6	44.4





#15

Acrylonitrile

Concen: 137.301 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

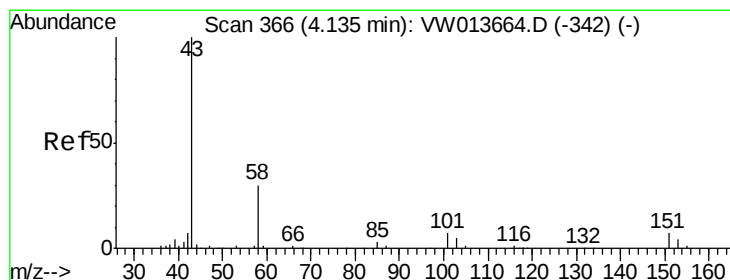
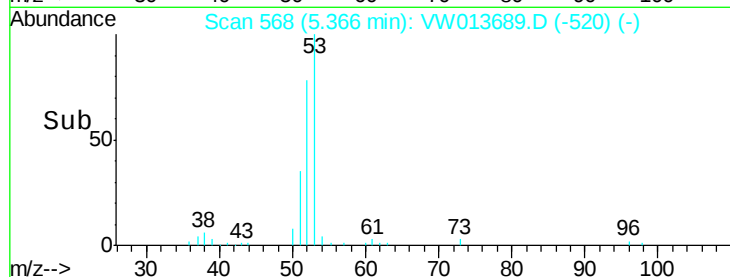
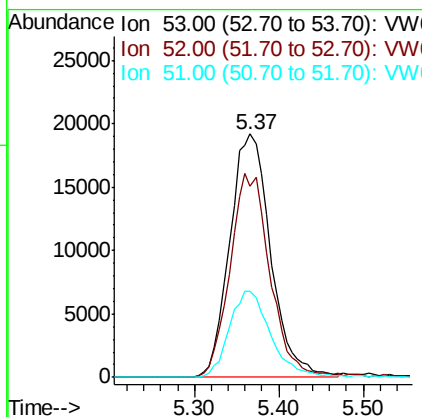
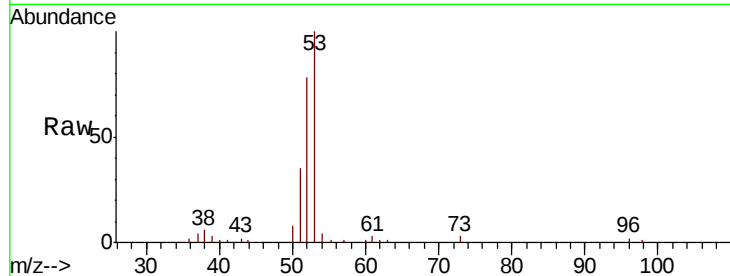
ClientSampleId :

VW1023SBS02

Tot Ion:	53	Resp:	63346
Ion	Ratio	Lower	Upper
53	100		
52	81.7	67.4	101.0
51	35.2	29.1	43.7

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#16

Acetone

Concen: 112.291 ug/l

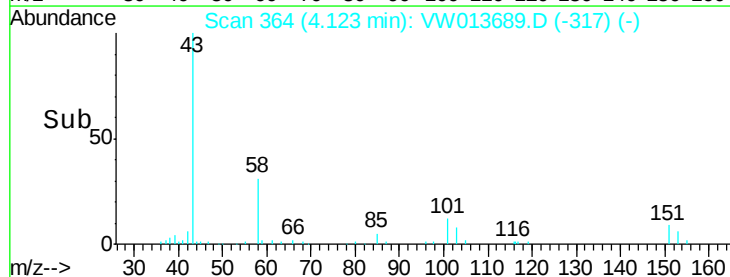
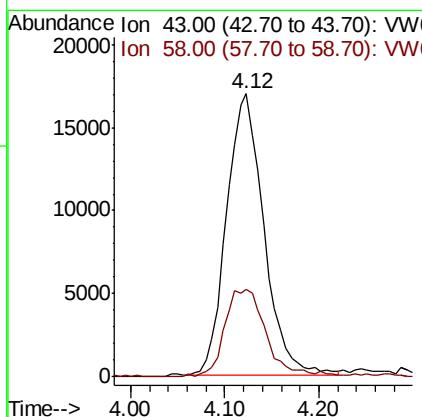
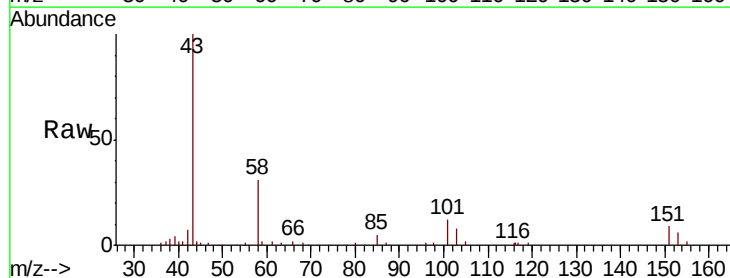
RT: 4.12 min Scan# 364

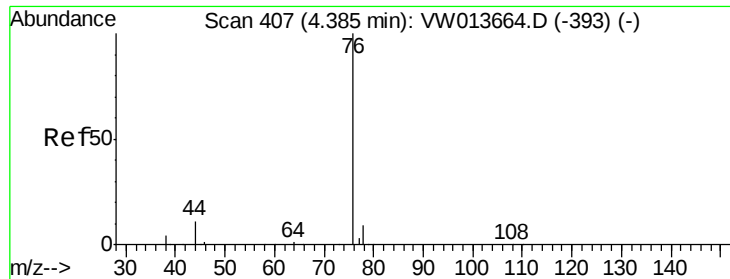
Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Tgt Ion:	43	Resp:	46966
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.1	36.1





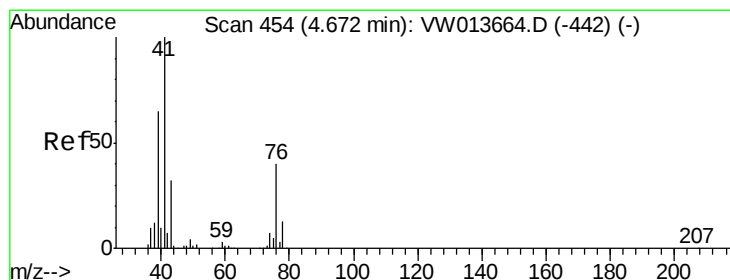
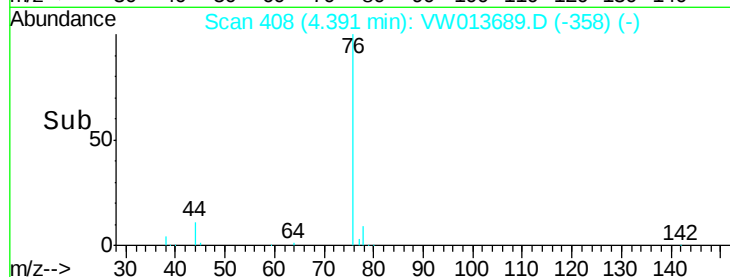
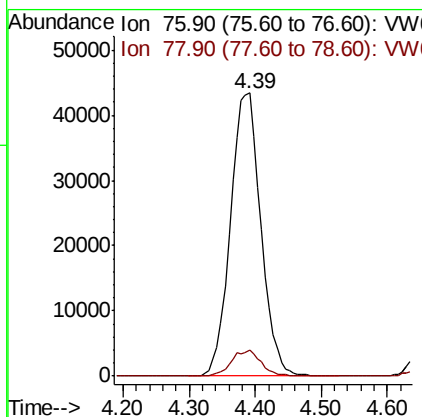
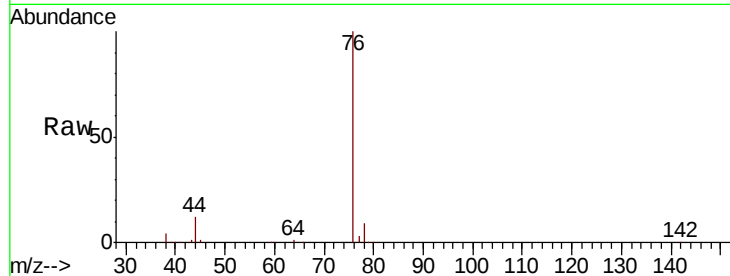
#17
Carbon Disulfide
Concen: 20.388 ug/l
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

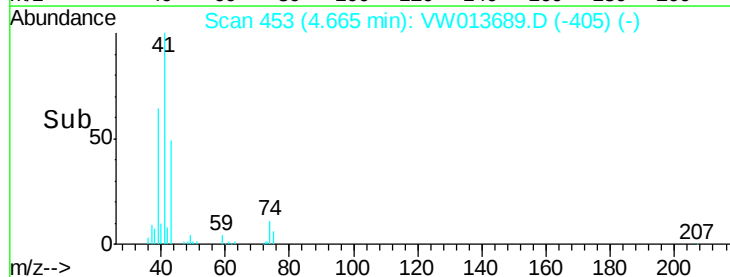
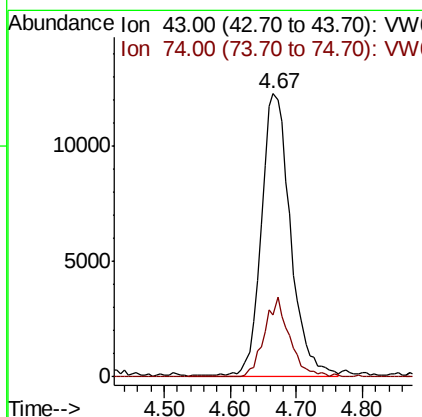
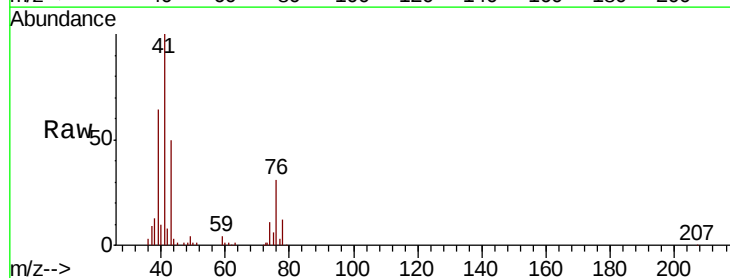
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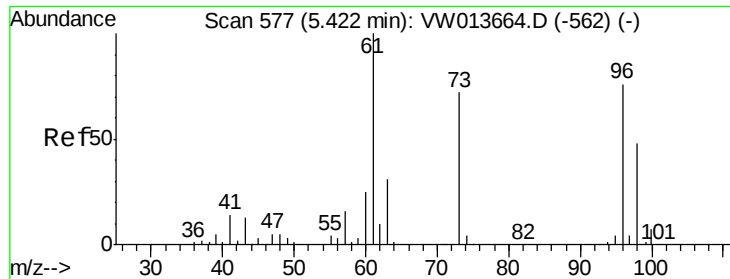
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#18
Methyl Acetate
Concen: 32.979 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.8	29.8





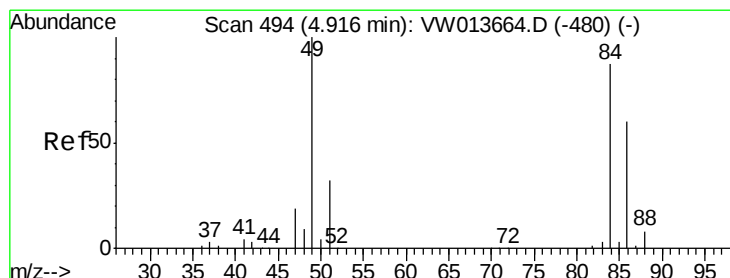
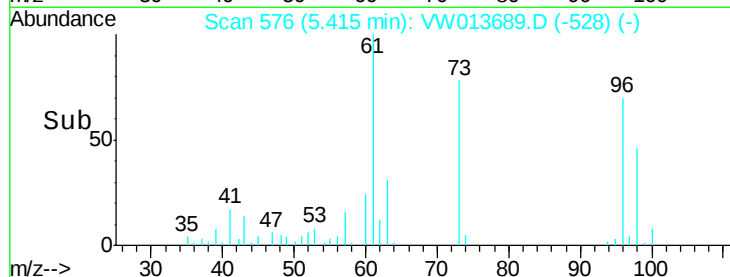
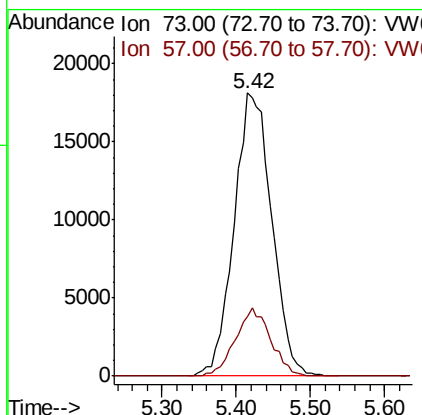
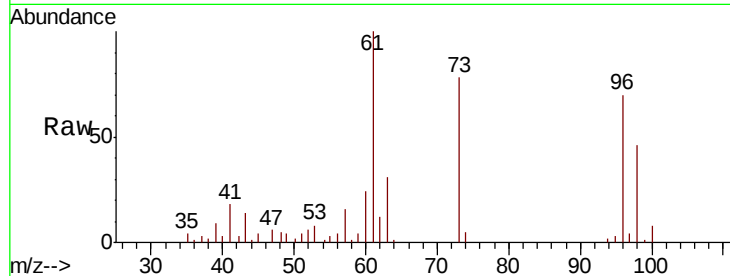
#19
Methyl tert-butyl Ether
Concen: 22.731 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion: 73 Resp: 64328
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4

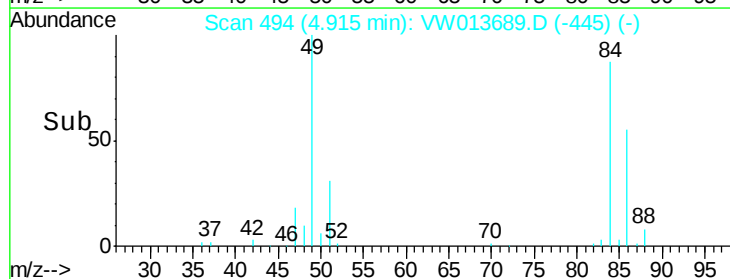
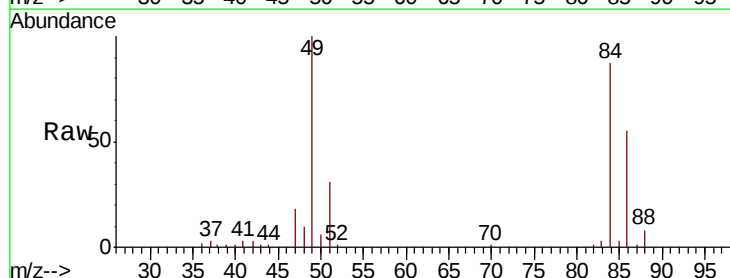
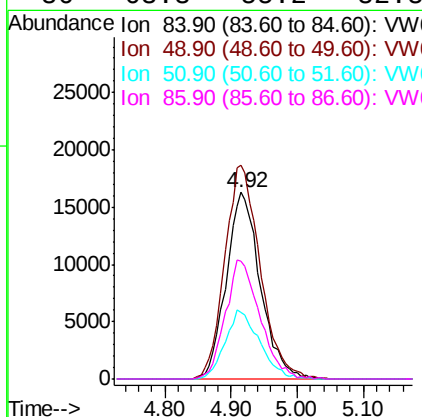
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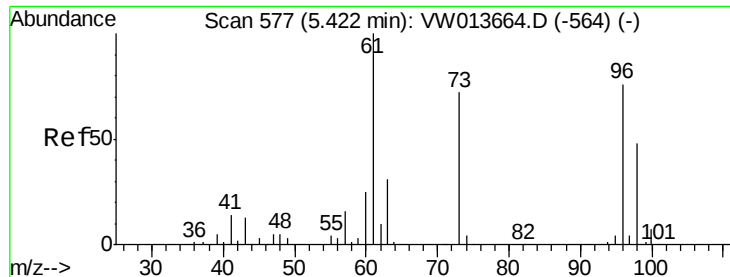
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#20
Methylene Chloride
Concen: 22.715 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 84 Resp: 58234
Ion Ratio Lower Upper
84 100
49 114.4 91.8 137.6
51 35.7 29.8 44.6
86 63.3 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 20.765 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBSD02

Tot Ion: 96 Resp: 52708

Ion Ratio Lower Upper

96 100

61 132.5 104.8 157.2

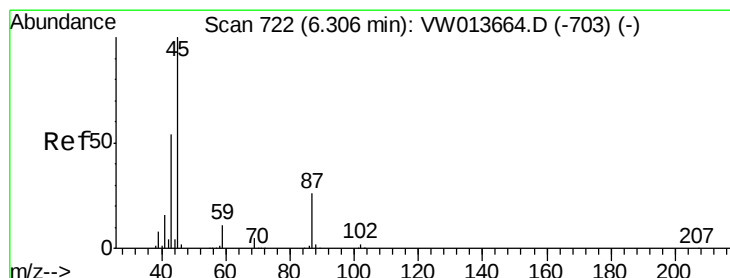
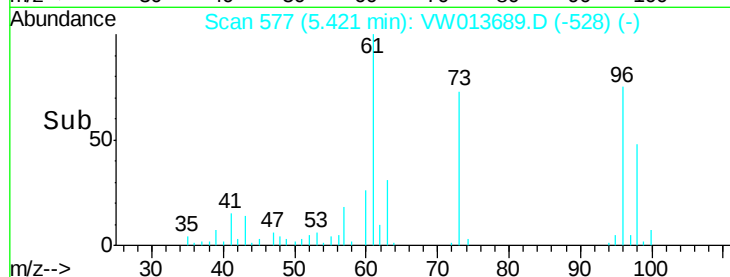
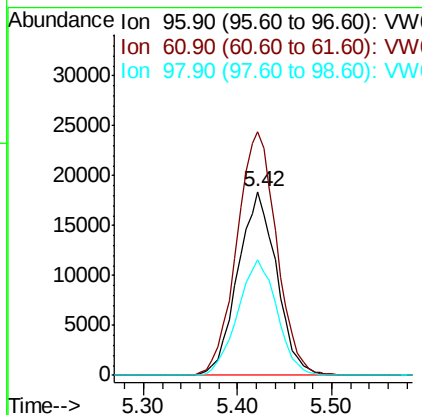
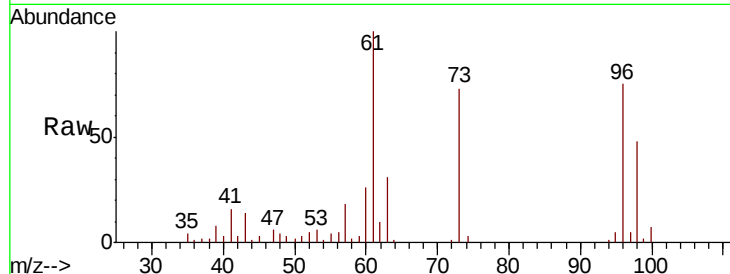
98 63.2 50.6 76.0

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#22

Diisopropyl ether

Concen: 21.958 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Tgt Ion: 45 Resp: 145246

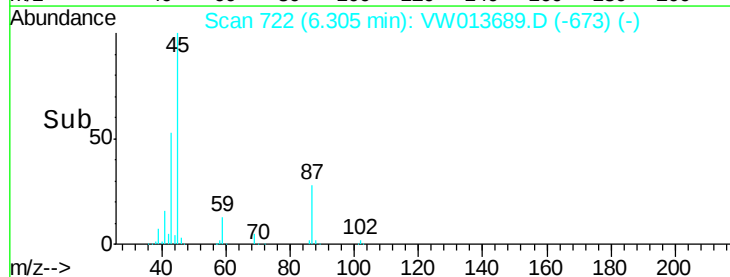
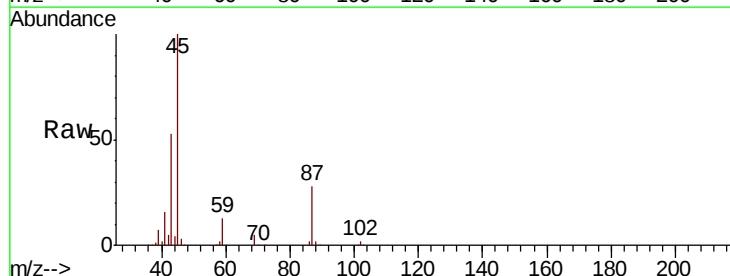
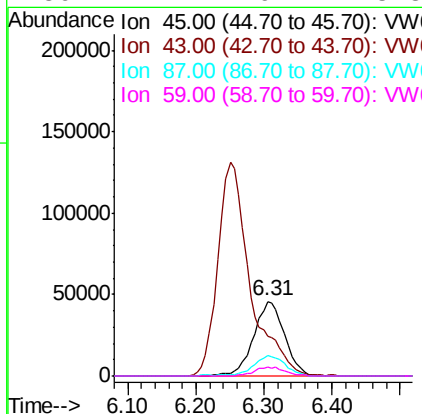
Ion Ratio Lower Upper

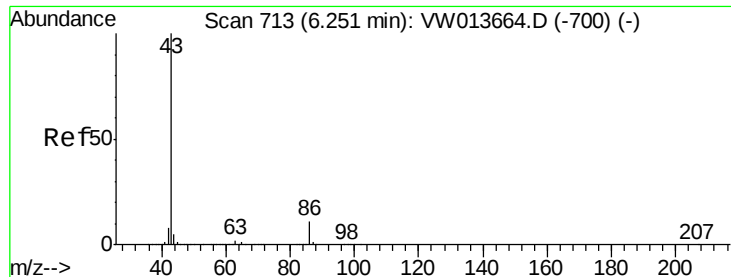
45 100

43 52.4 43.4 65.2

87 28.0 21.5 32.3

59 12.7 9.2 13.8





#23

Vinyl Acetate

Concen: 112.432 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 43 Resp: 431529

Ion Ratio Lower Upper

43 100

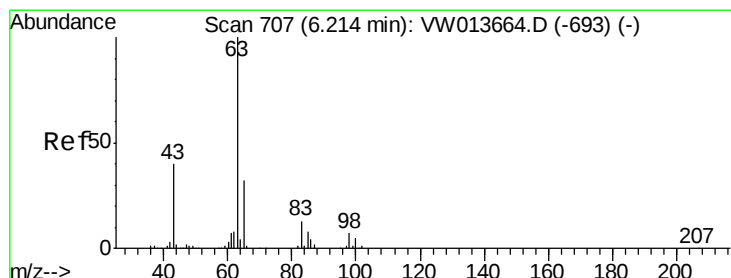
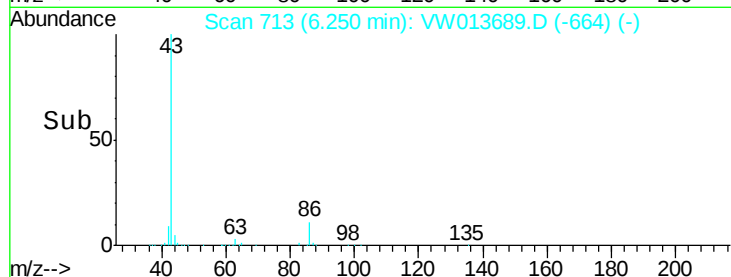
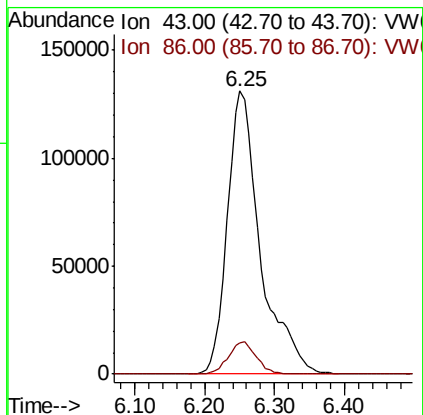
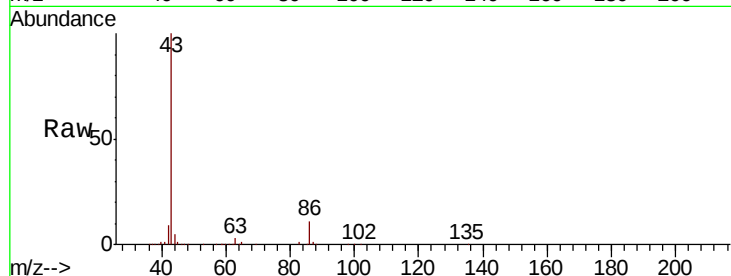
86 10.8 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 21.198 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

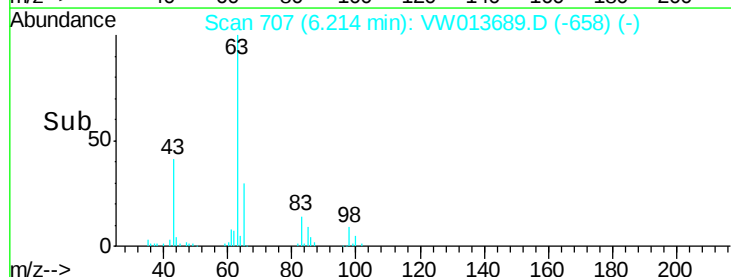
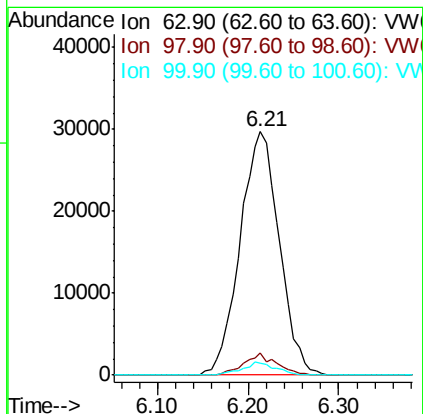
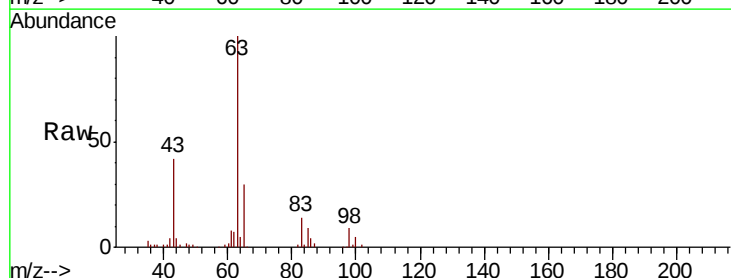
Tgt Ion: 63 Resp: 88804

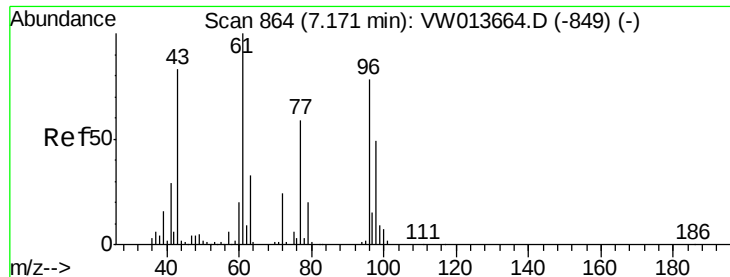
Ion Ratio Lower Upper

63 100

98 8.9 3.6 10.9

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 135.166 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBSD02

Tot Ion: 43 Resp: 81278

Ion Ratio Lower Upper

43 100

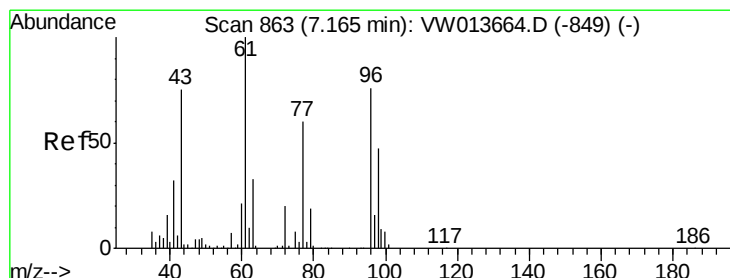
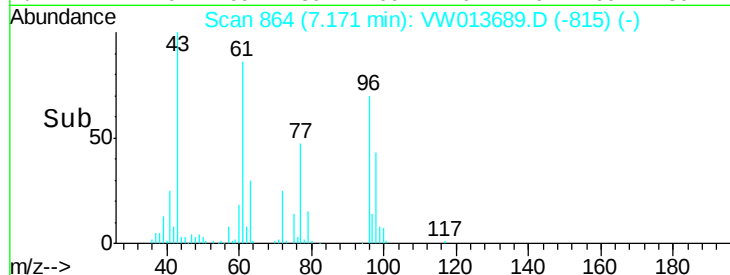
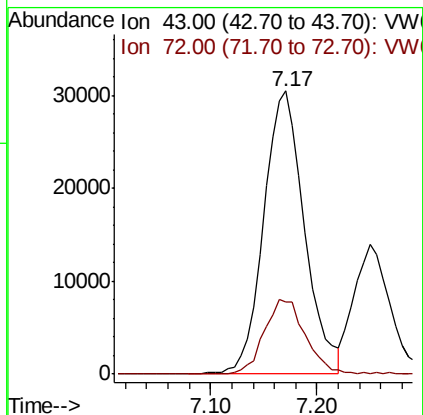
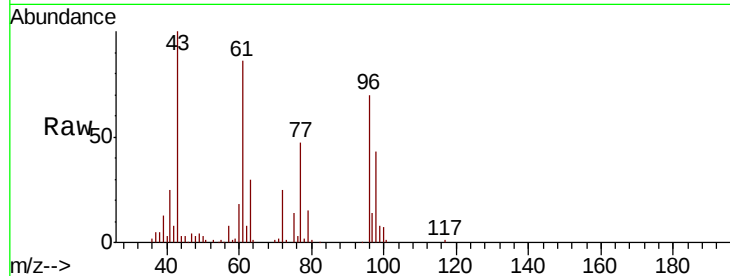
72 25.4 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.249 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013689.D

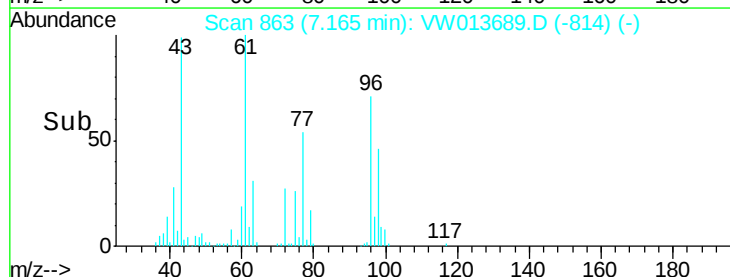
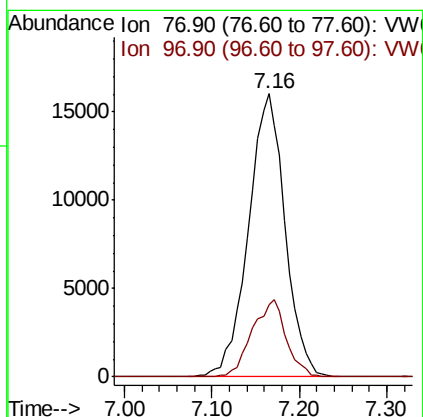
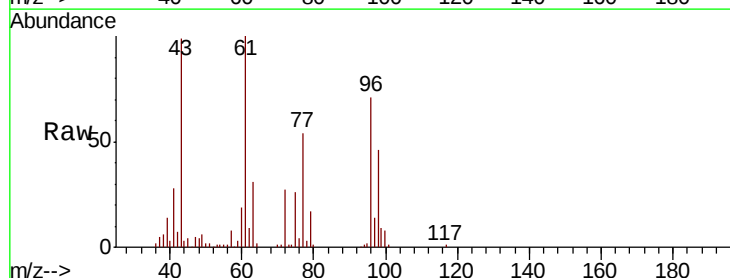
Acq: 24 Oct 2019 02:13

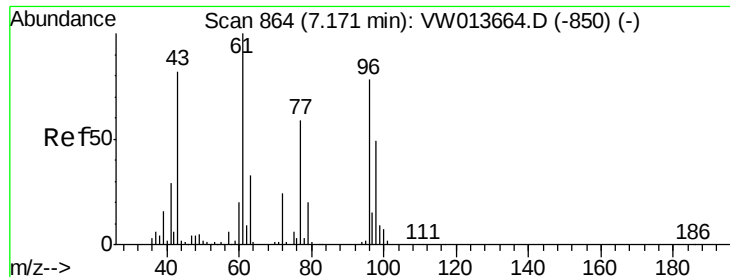
Tgt Ion: 77 Resp: 46631

Ion Ratio Lower Upper

77 100

97 25.5 12.8 38.4





#27

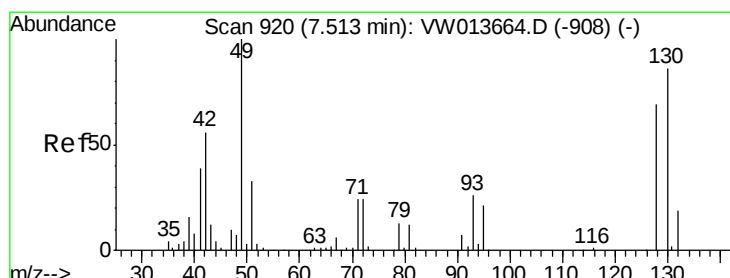
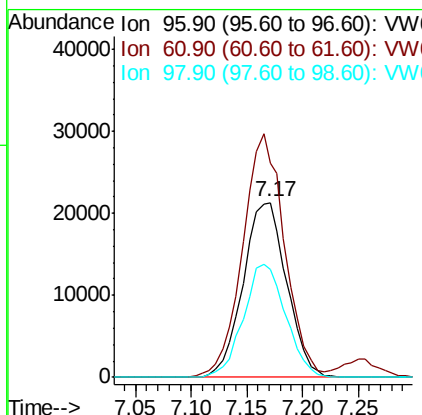
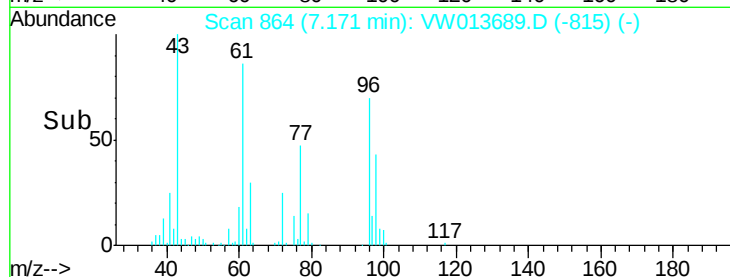
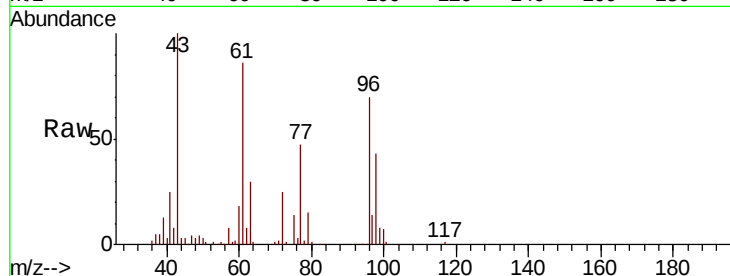
cis-1,2-Dichloroethene
Concen: 21.497 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.4	0.0	266.0	
98	62.6	0.0	126.8	

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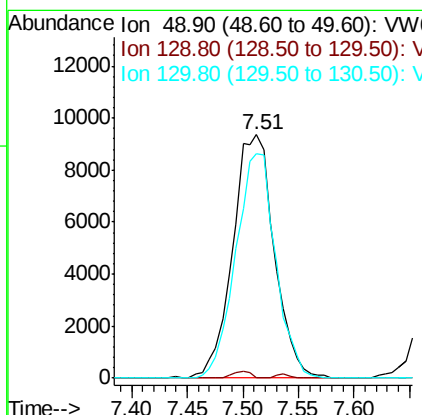
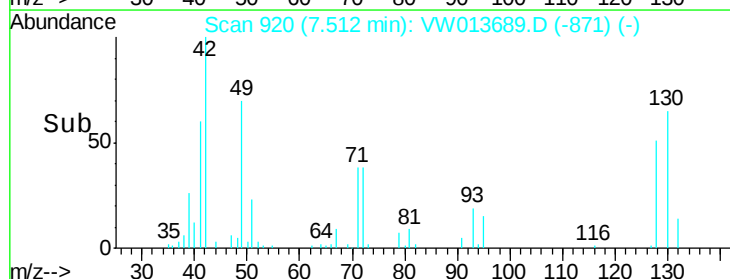
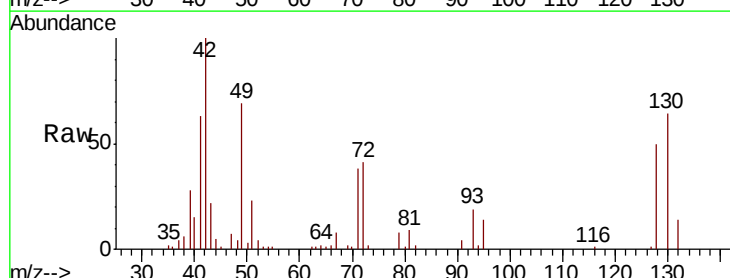
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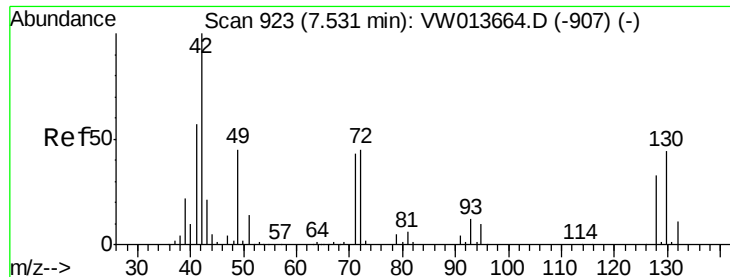


#28

Bromochloromethane
Concen: 17.128 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	0.6#	
130	88.8	67.5	101.3	





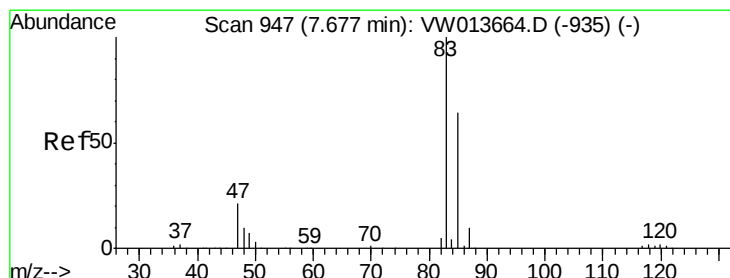
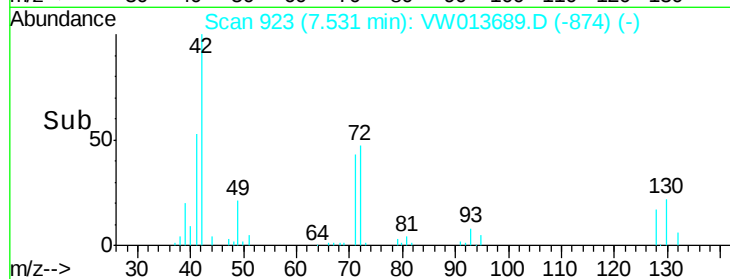
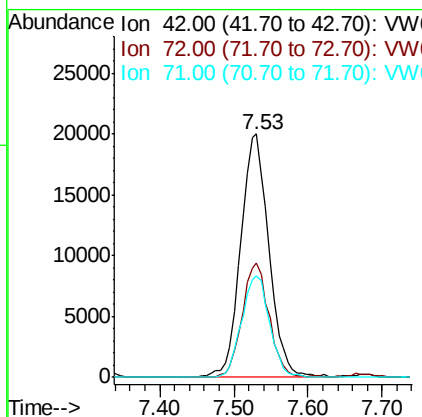
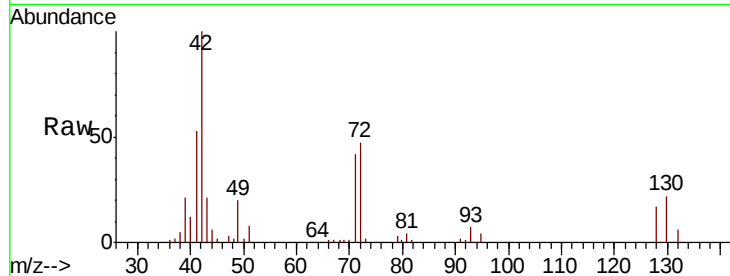
#29
Tetrahydrofuran
Concen: 143.712 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.3	52.9
71	41.3	33.3	49.9

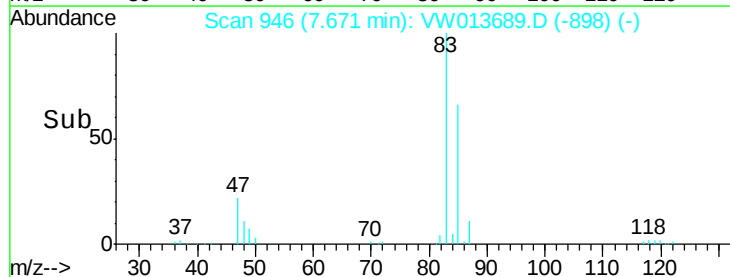
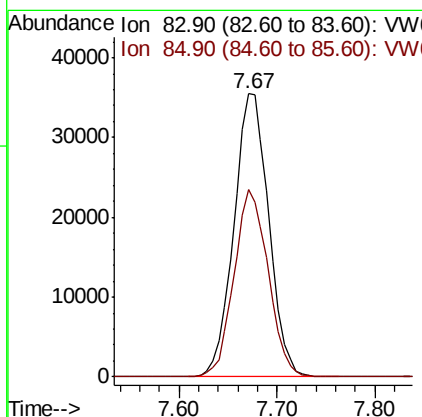
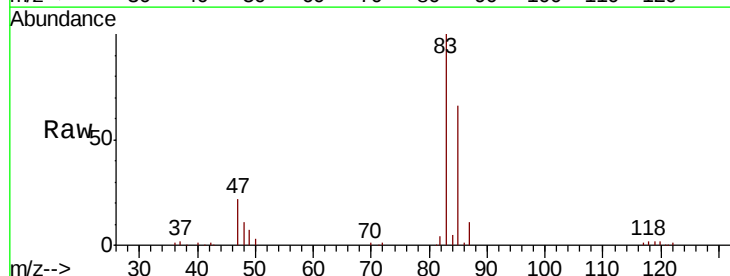
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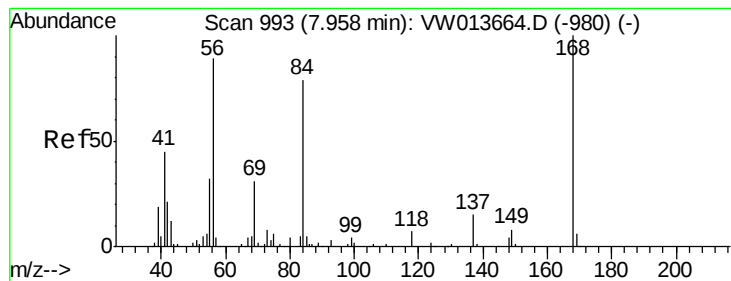
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#30
Chloroform
Concen: 21.139 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.2





#31

Cyclohexane

Concen: 20.134 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

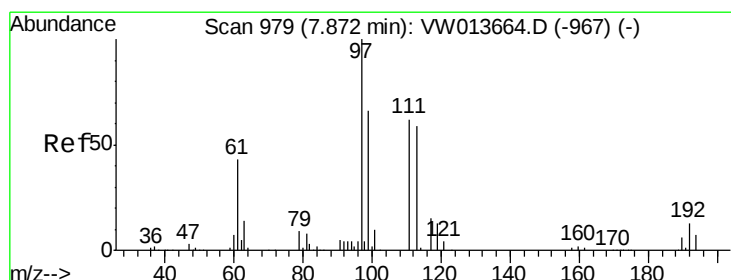
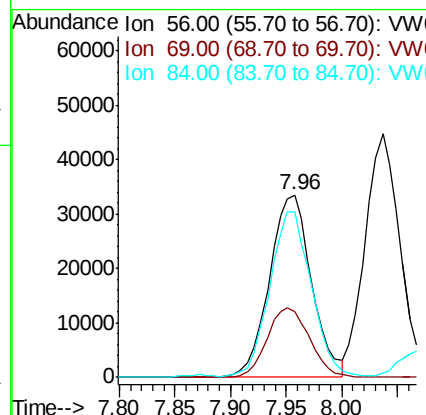
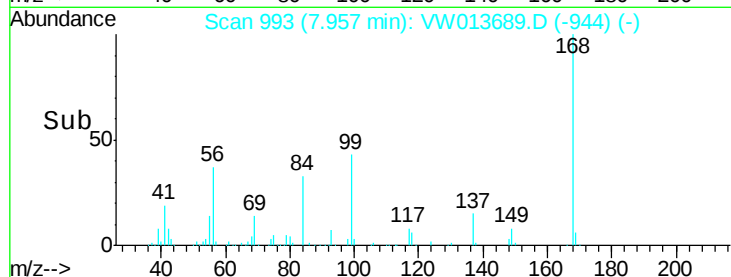
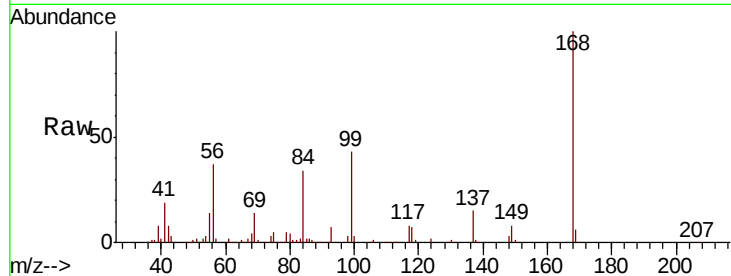
ClientSampleId :

VW1023SBS02

Tot Ion:	56	Resp:	88268
Ion Ratio	Lower	Upper	
56	100		
69	36.3	27.5	41.3
84	89.2	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 21.114 ug/l

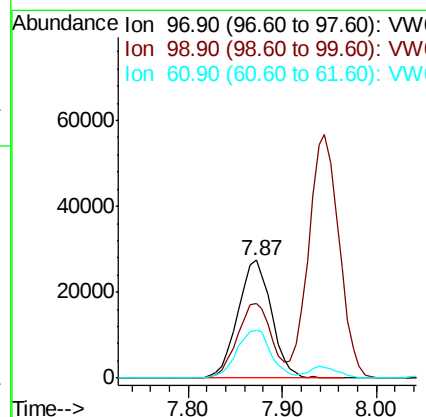
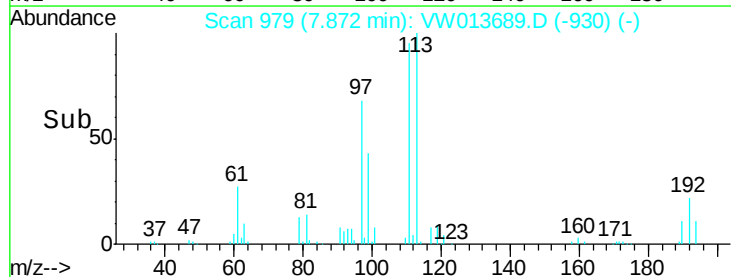
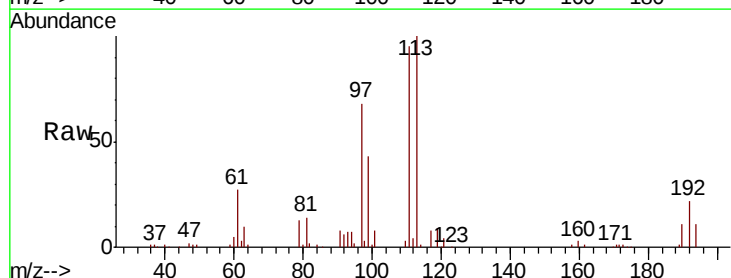
RT: 7.87 min Scan# 979

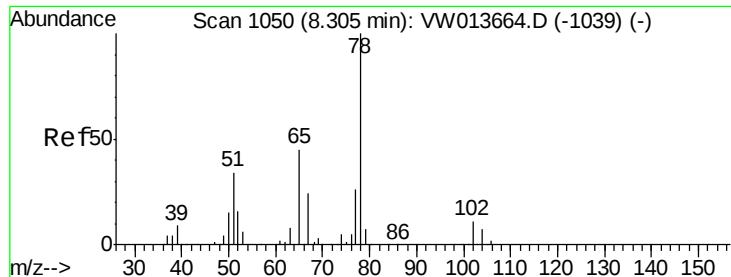
Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Tgt Ion:	97	Resp:	68617
Ion Ratio	Lower	Upper	
97	100		
99	63.7	52.0	78.0
61	41.2	33.8	50.6





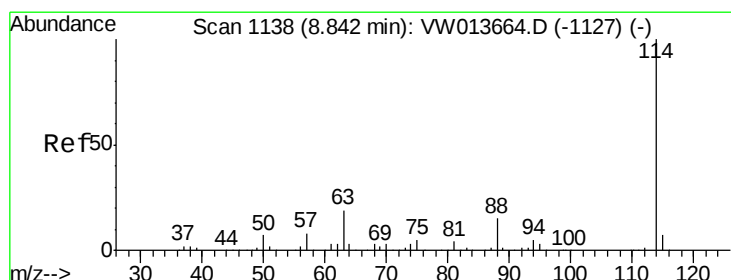
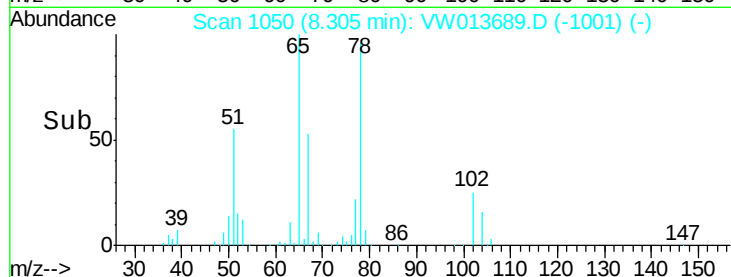
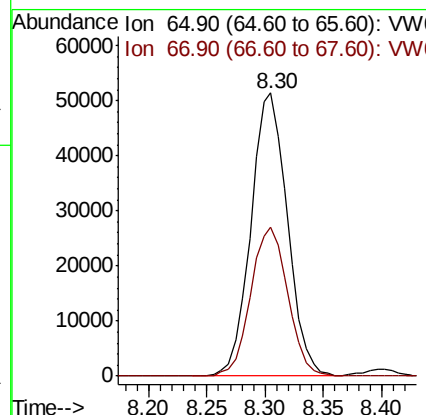
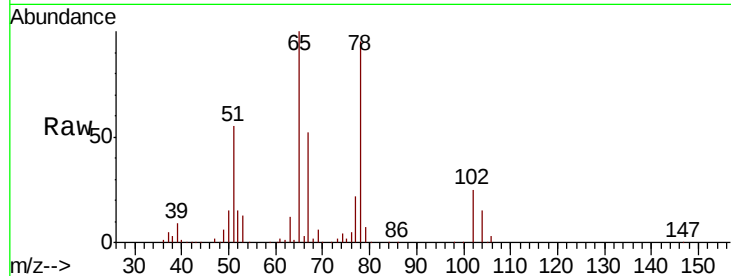
#33
 1,2-Dichloroethane-d4
 Concen: 56.990 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	109.4	

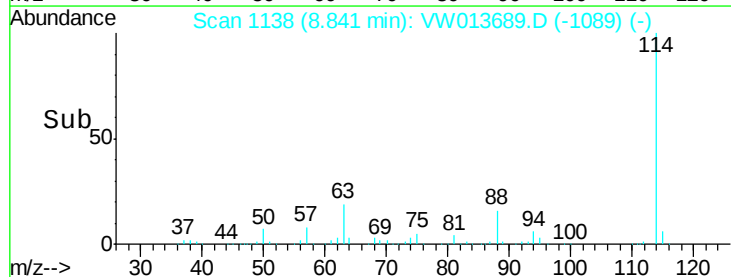
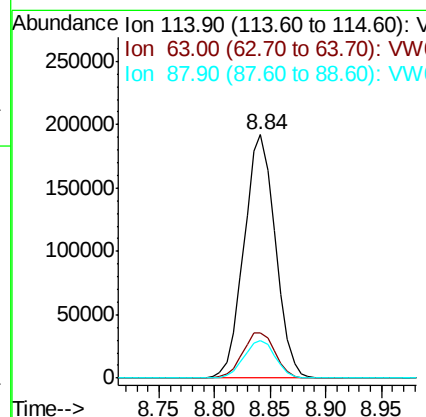
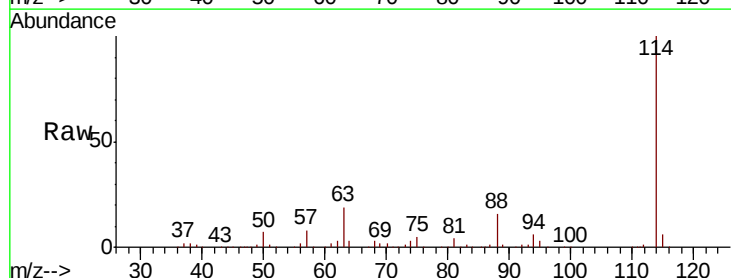
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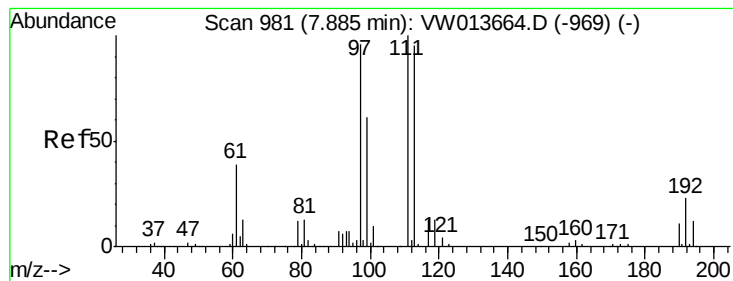
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	37.6	
88	15.7	0.0	30.2	





#35

Dibromofluoromethane

Concen: 53.278 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

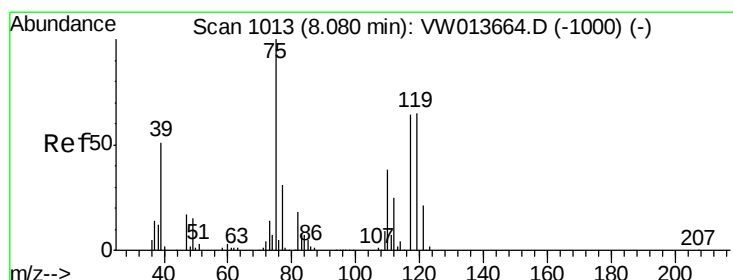
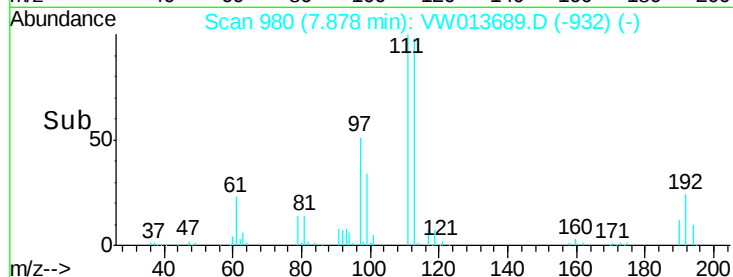
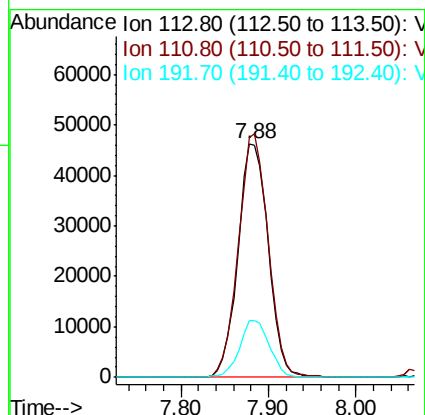
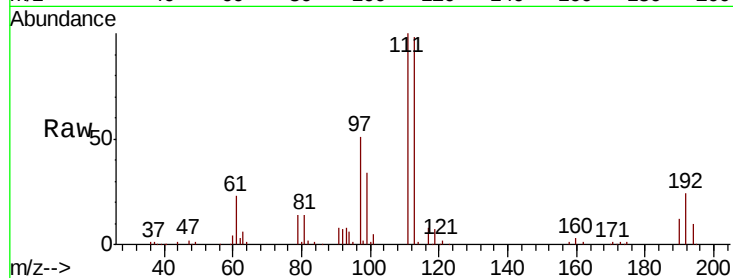
ClientSampleId :

VW1023SBSD02

Tot Ion:	113	Resp:	111416
Ion Ratio	Lower	Upper	
113	100		
111	102.6	83.0	124.6
192	24.1	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 20.320 ug/l

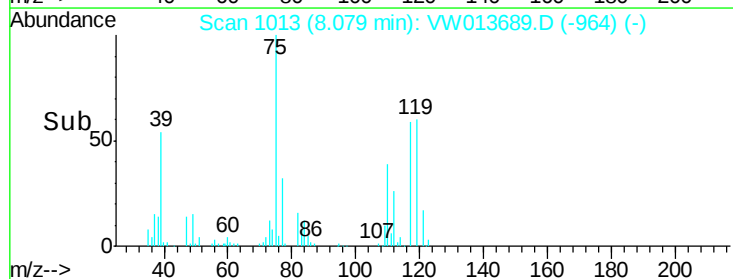
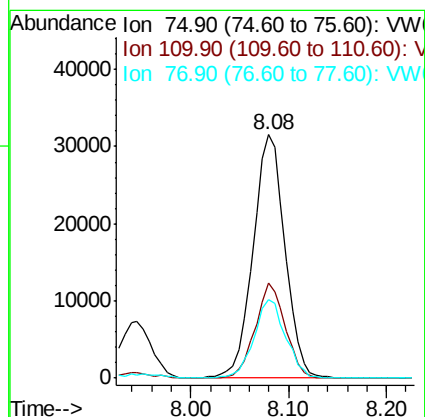
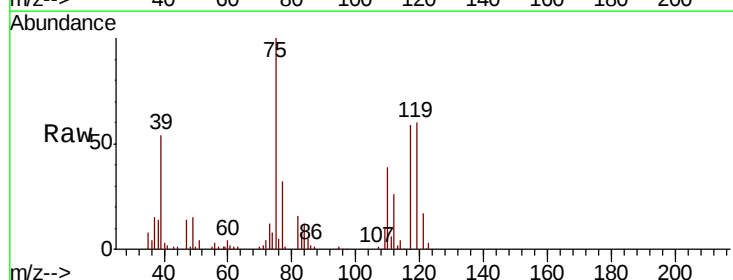
RT: 8.08 min Scan# 1013

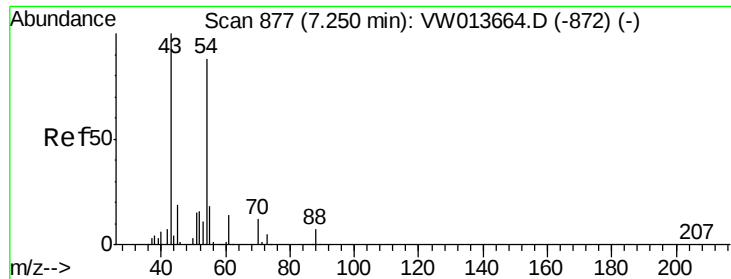
Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Tgt Ion:	75	Resp:	71222
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.7	56.1
77	32.1	25.4	38.0





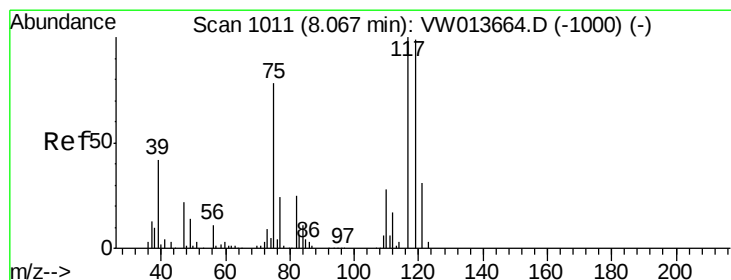
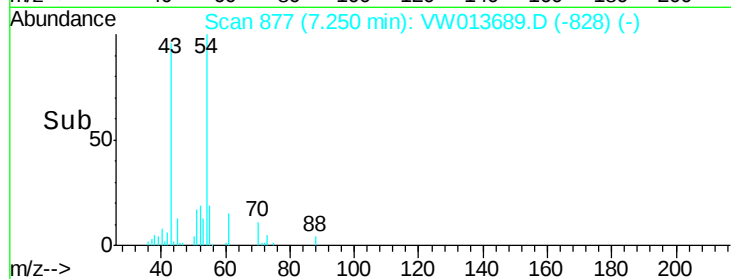
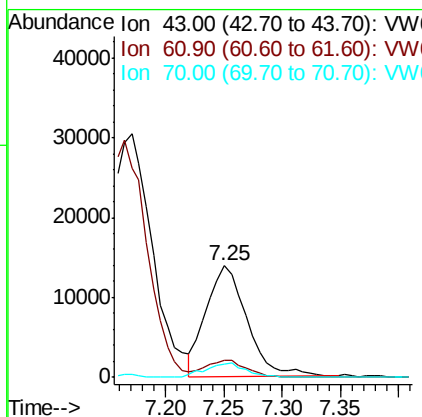
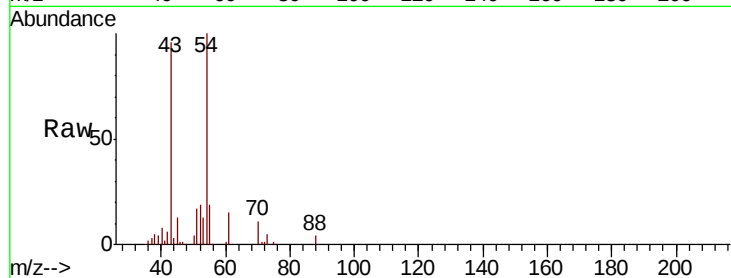
#37
Ethyl Acetate
Concen: 25.355 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.7	17.5
70	12.8	8.8	13.2

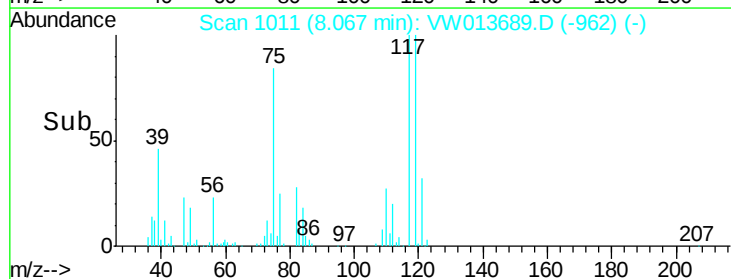
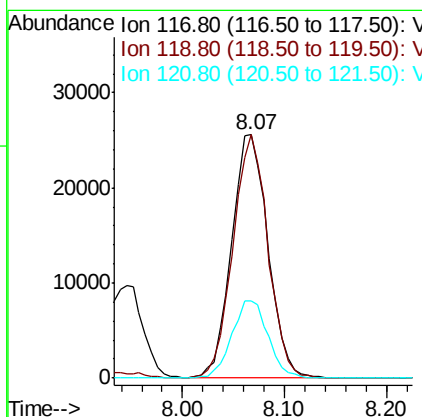
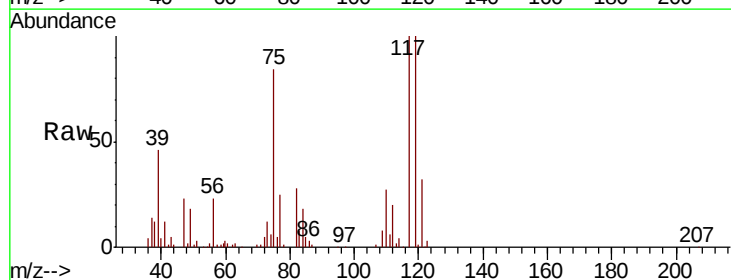
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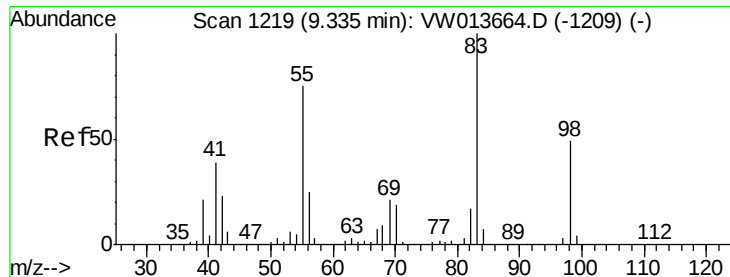
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#38
Carbon Tetrachloride
Concen: 20.065 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	79.0	118.4
121	31.9	24.5	36.7





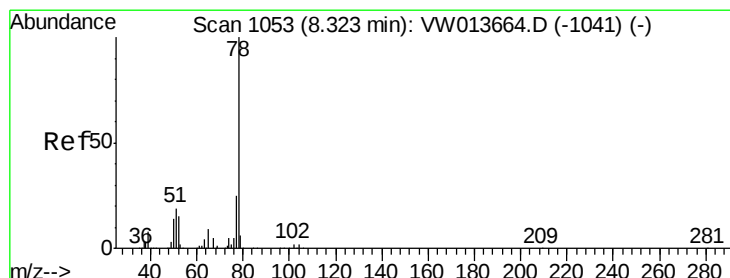
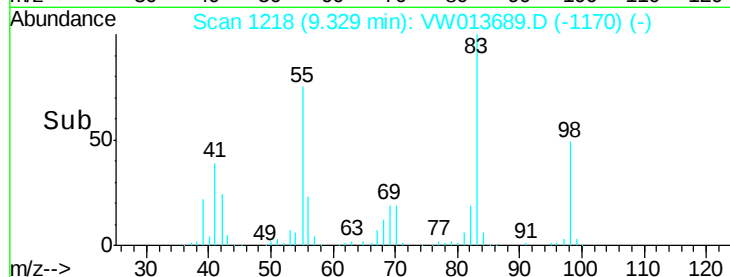
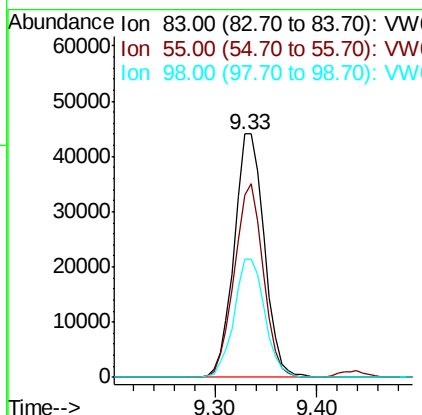
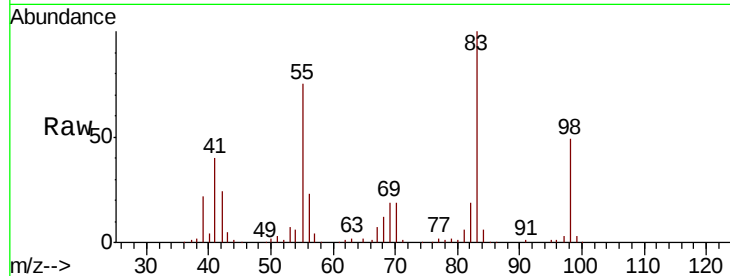
#39
Methvlcvclohexane
Concen: 19.860 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	89895		
55	74.9		59.9	89.9
98	48.8		39.4	59.2

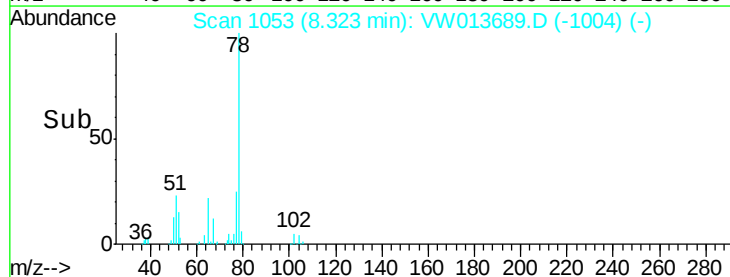
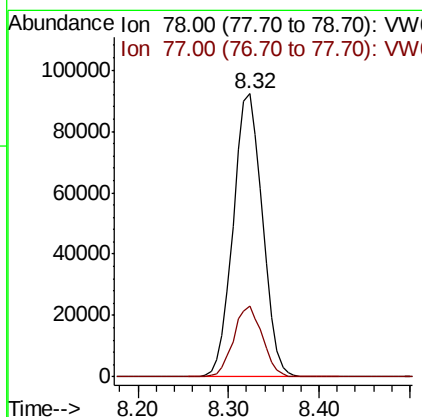
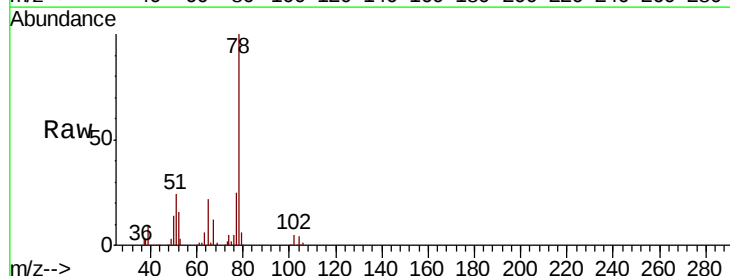
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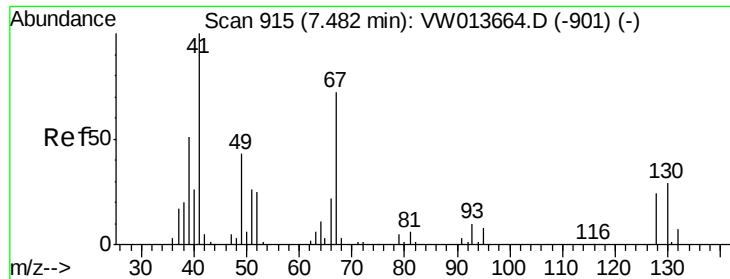
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#40
Benzene
Concen: 20.873 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	207041		
77	25.3		19.6	29.4





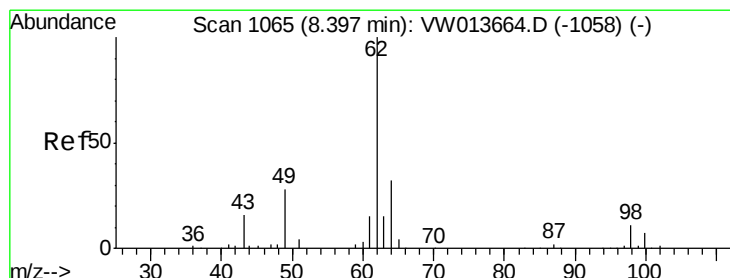
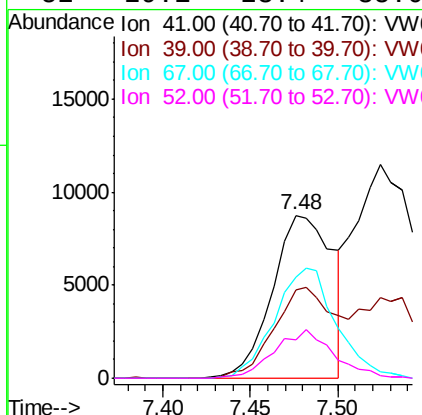
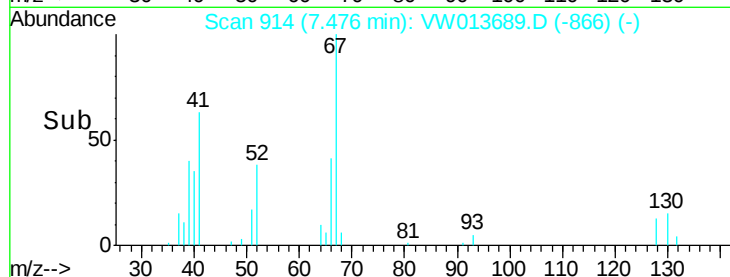
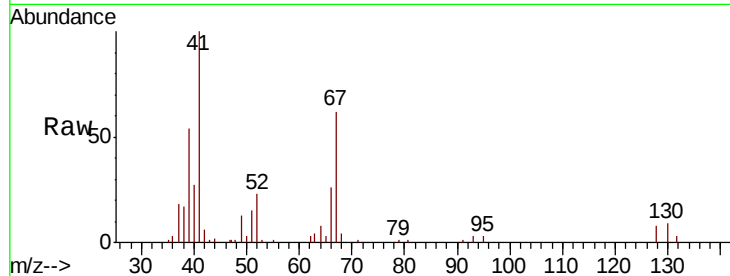
#41
Methacrylonitrile
Concen: 25.161 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	41	Resp	21052
Ion	Ratio	Lower	Upper
41	100		
39	58.6	44.8	67.2
67	69.2	59.3	88.9
52	29.1	23.4	35.0

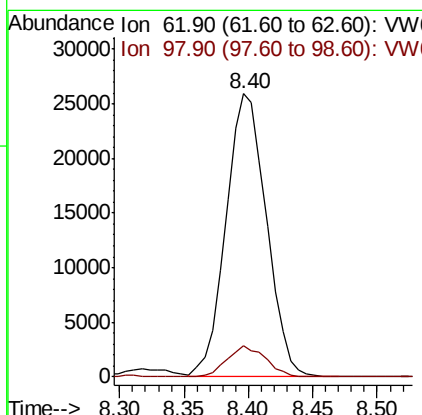
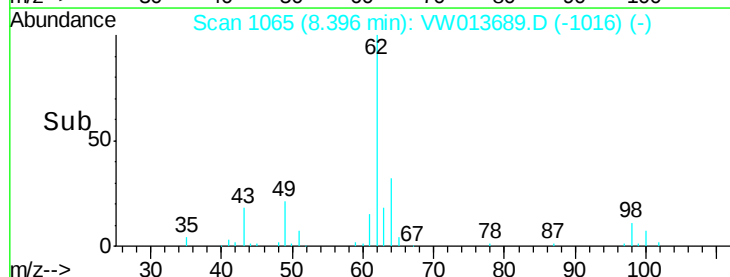
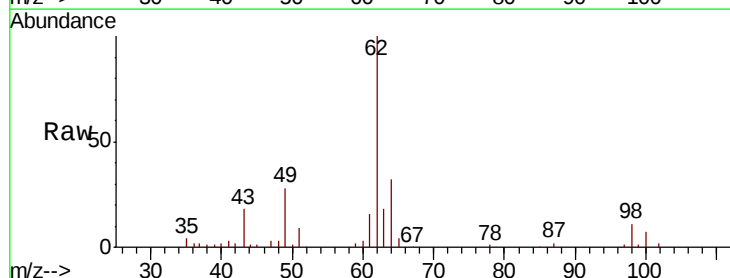
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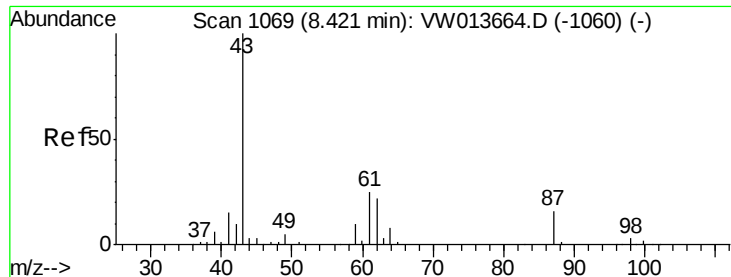
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#42
1,2-Dichloroethane
Concen: 22.680 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	62	Resp	56691
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.4





#43

Isopropyl Acetate

Concen: 24.984 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

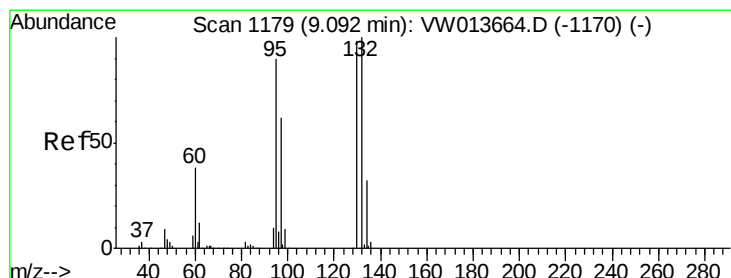
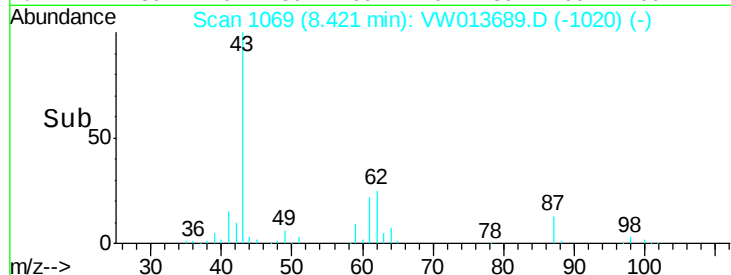
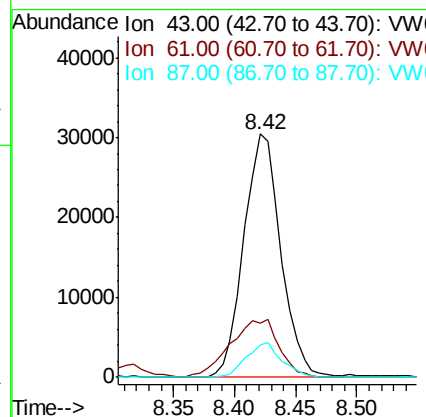
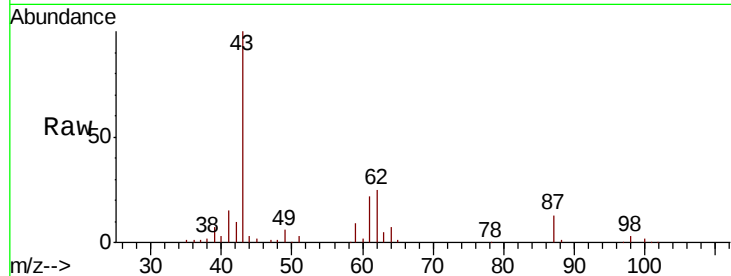
ClientSampleId :

VW1023SBS02

Tot Ion:	43	Resp:	64166
Ion	Ratio	Lower	Upper
43	100		
61	31.7	26.1	39.1
87	13.6	11.4	17.0

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#44

Trichloroethene

Concen: 20.576 ug/l

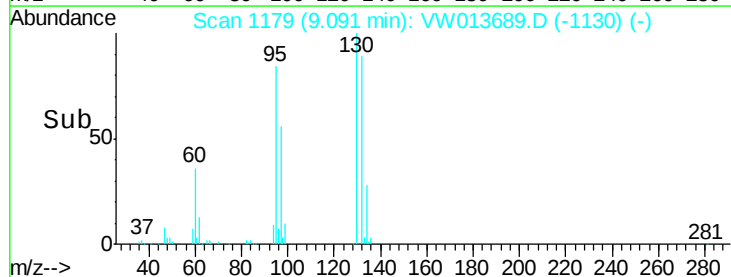
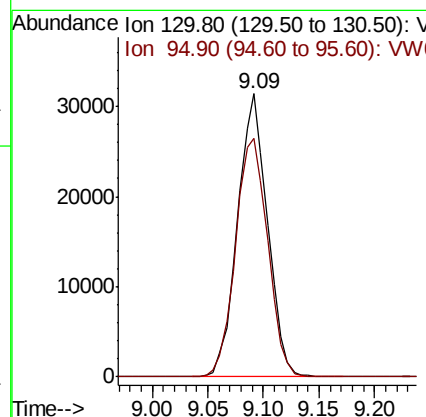
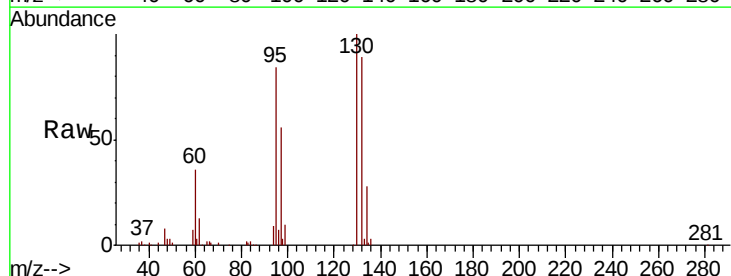
RT: 9.09 min Scan# 1179

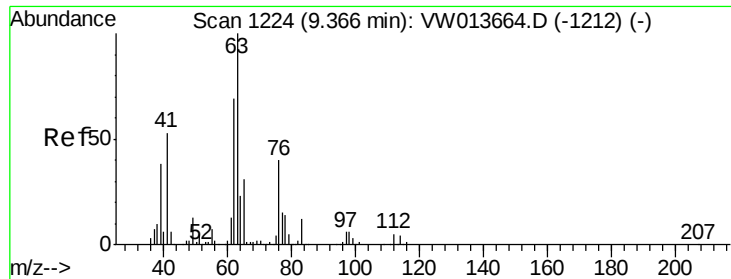
Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Tgt Ion:	130	Resp:	58464
Ion	Ratio	Lower	Upper
130	100		
95	84.4	0.0	184.6





#45

1,2-Dichloropropane

Concen: 21.940 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 63 Resp: 51981

Ion Ratio Lower Upper

63 100

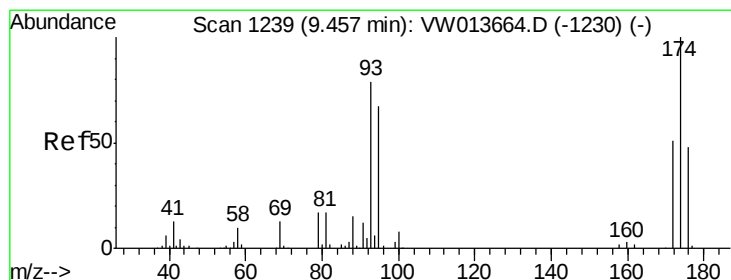
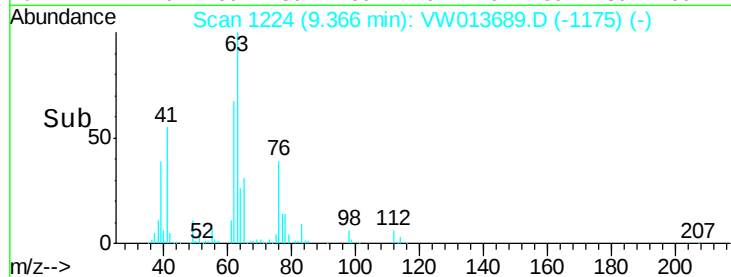
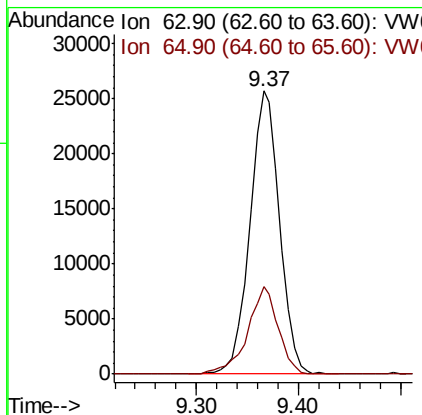
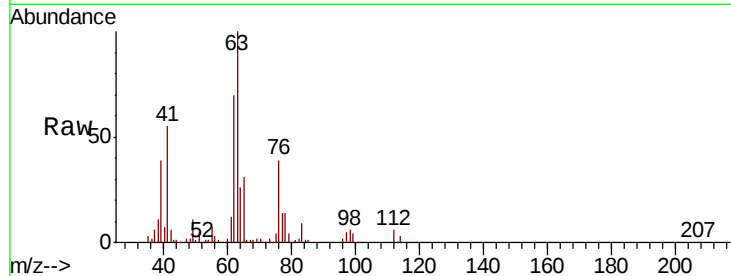
65 30.9 25.2 37.8

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#46

Dibromomethane

Concen: 23.081 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

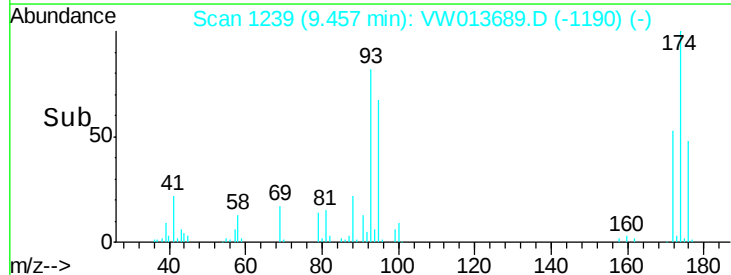
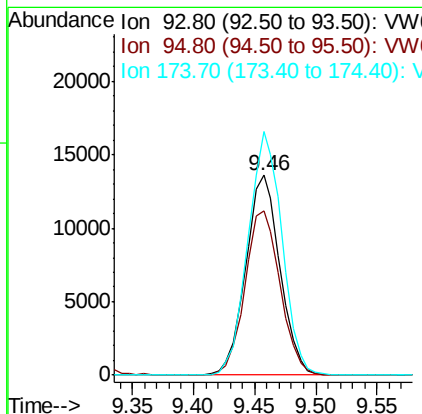
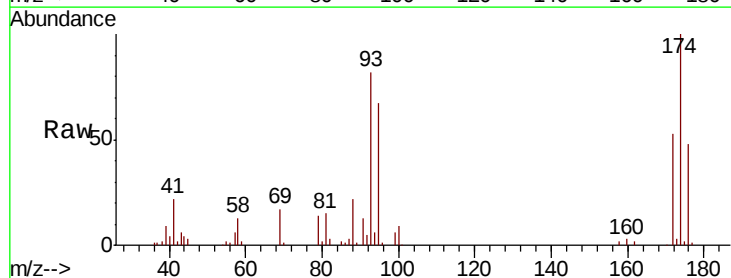
Tgt Ion: 93 Resp: 26542

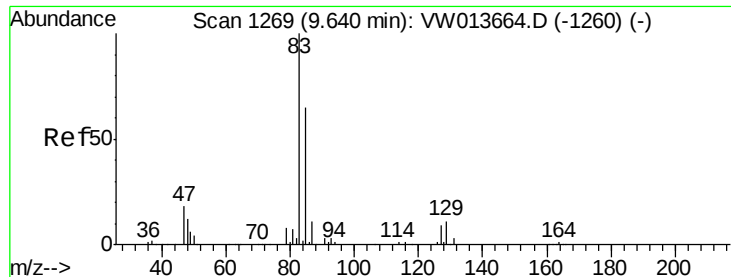
Ion Ratio Lower Upper

93 100

95 84.0 66.5 99.7

174 120.9 99.6 149.4





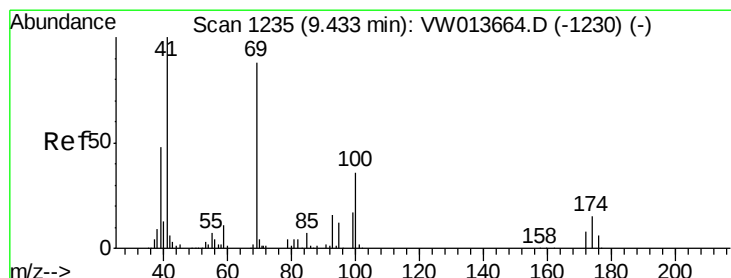
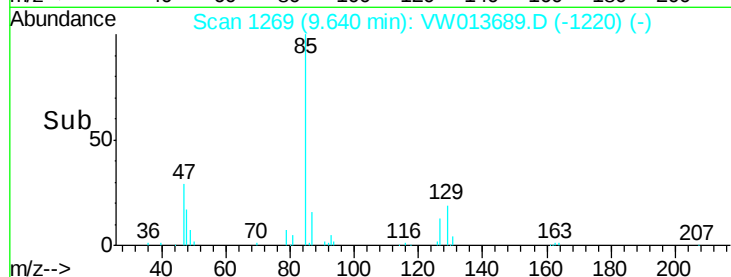
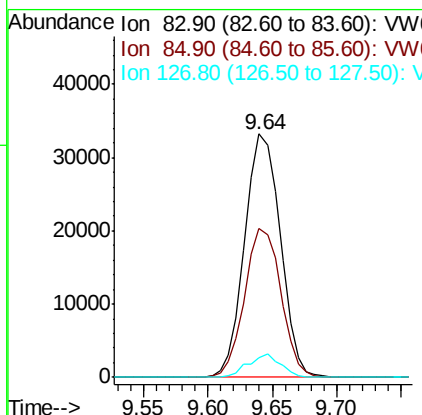
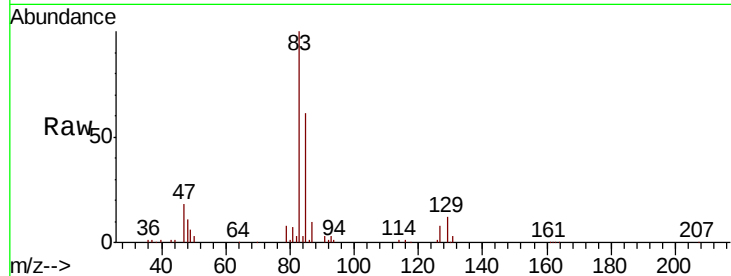
#47
Bromodichloromethane
Concen: 21.495 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	83	Resp	63956
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	51.8	77.6
127	8.1	7.3	10.9

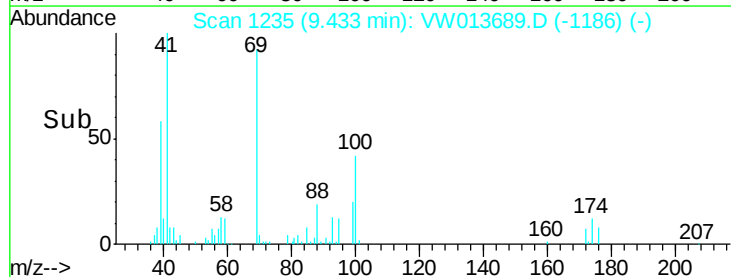
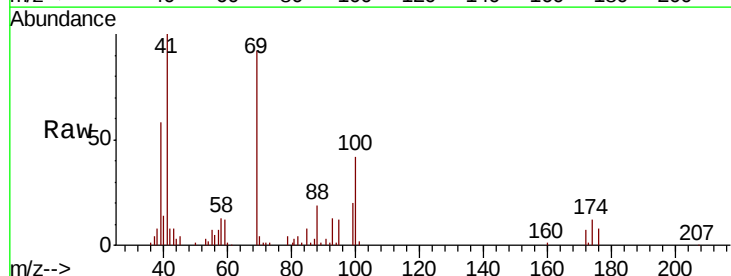
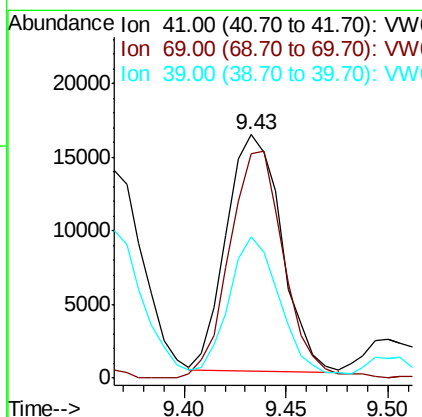
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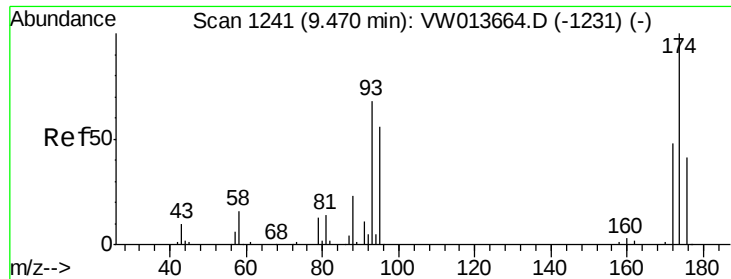
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#48
Methyl methacrylate
Concen: 23.704 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	41	Resp	30189
Ion Ratio	100	Lower	Upper
41	100		
69	95.1	67.6	101.4
39	52.1	38.6	58.0





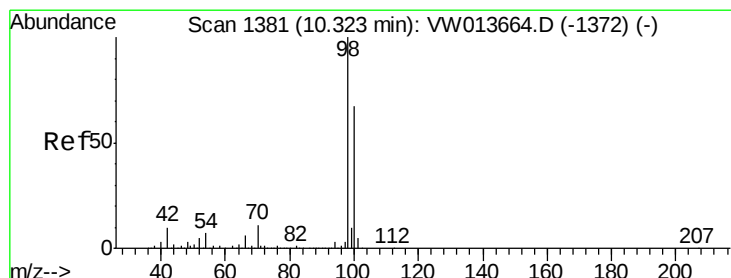
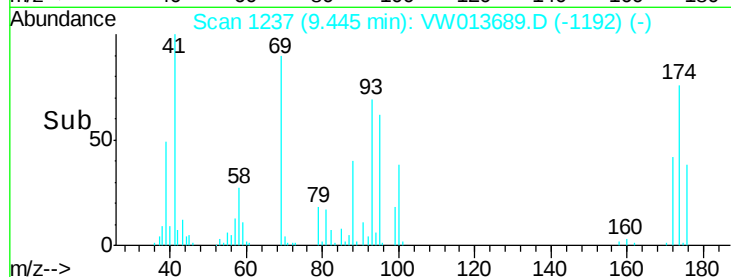
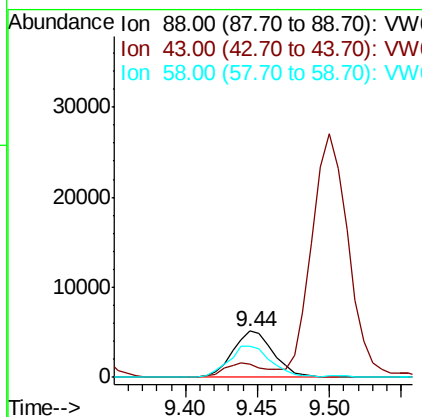
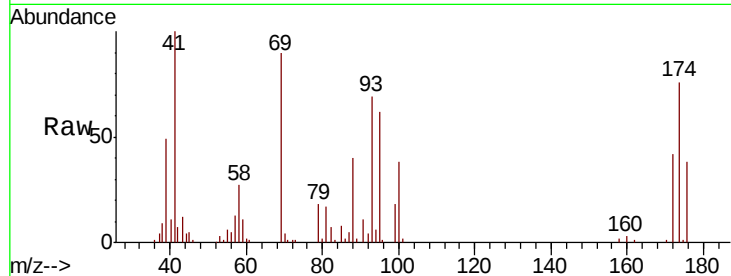
#49
 1,4-Dioxane
 Concen: 601.081 ug/l
 RT: 9.44 min Scan# 1237
 Delta R.T. -0.02 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	88	Resp	10214
Ion	Ratio	Lower	Upper
88	100		
43	32.0	0.0	0.0#
58	71.9	58.9	88.3

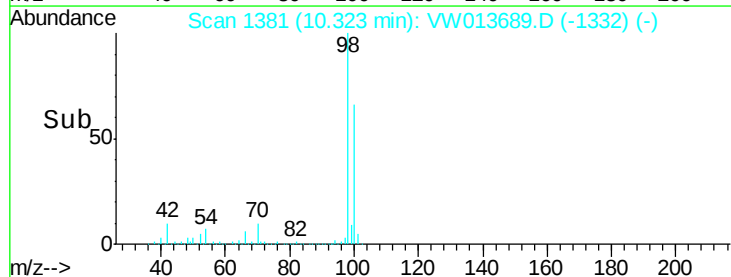
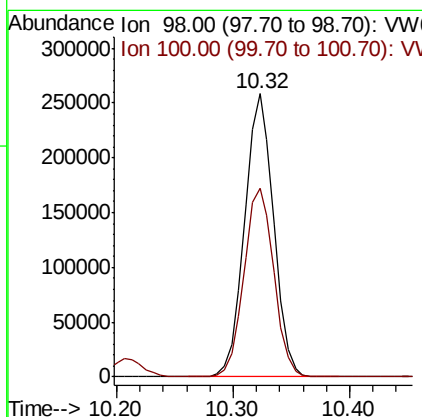
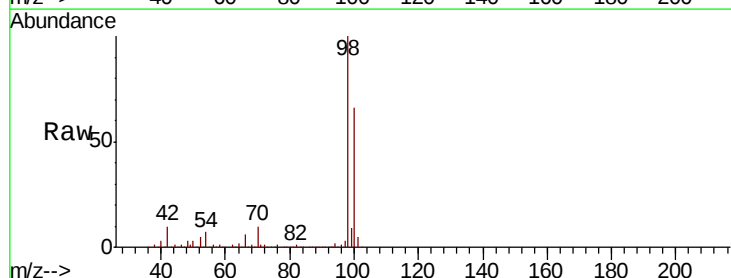
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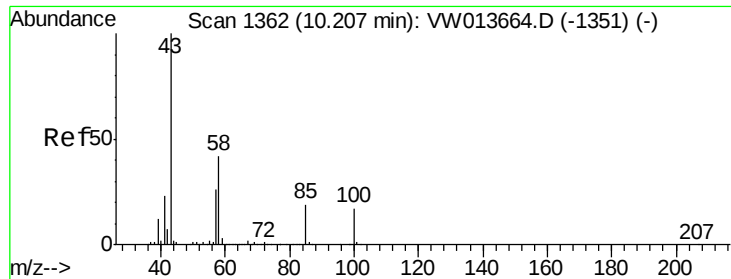
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#50
 Toluene-d8
 Concen: 52.663 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion	98	Resp	448753
Ion	Ratio	Lower	Upper
98	100		
100	68.3	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 132.358 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 43 Resp: 168915

Ion Ratio Lower Upper

43 100

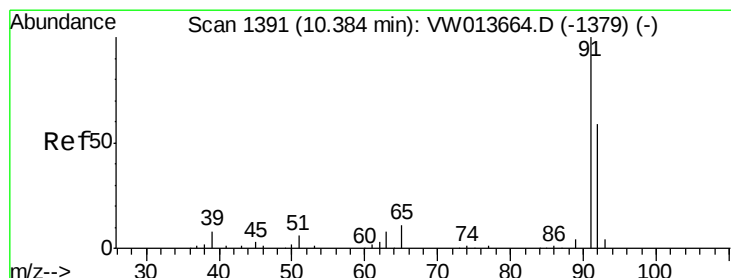
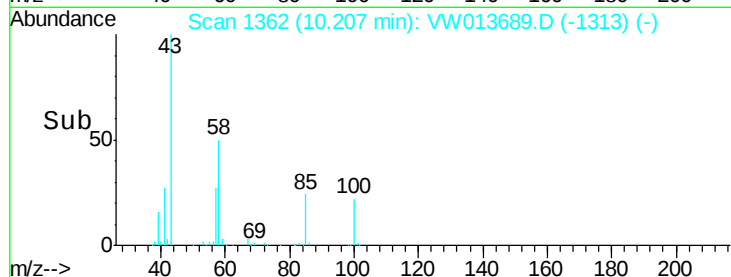
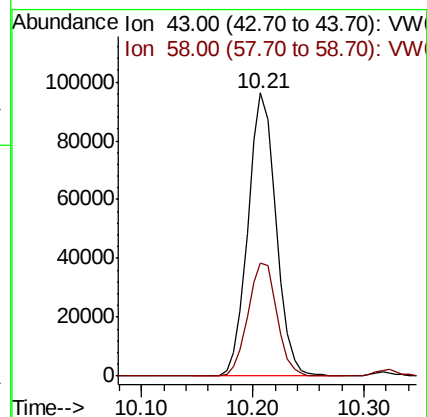
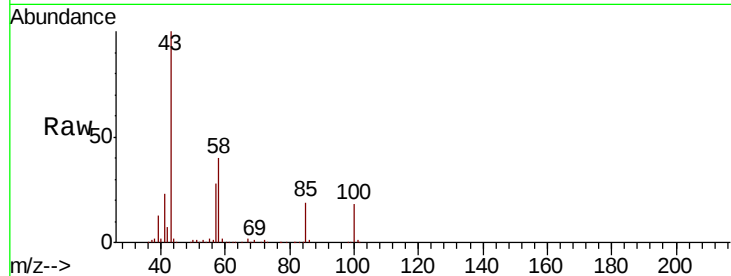
58 41.4 32.6 49.0

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#52

Toluene

Concen: 20.571 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013689.D

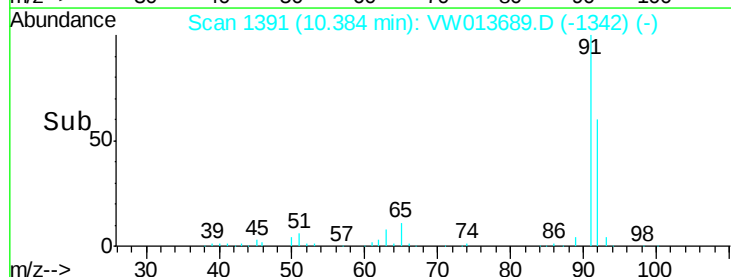
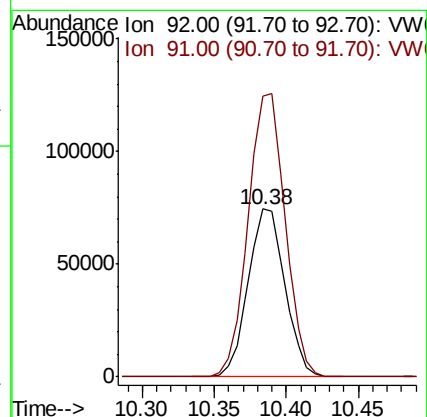
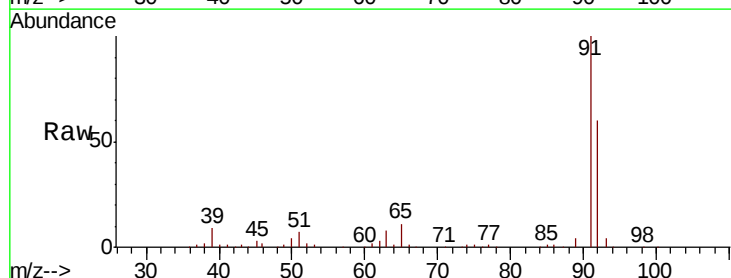
Acq: 24 Oct 2019 02:13

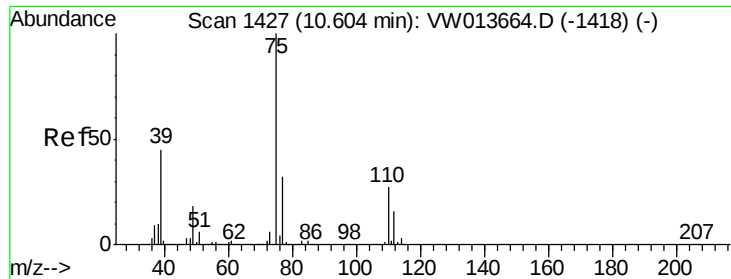
Tgt Ion: 92 Resp: 131620

Ion Ratio Lower Upper

92 100

91 170.0 134.5 201.7





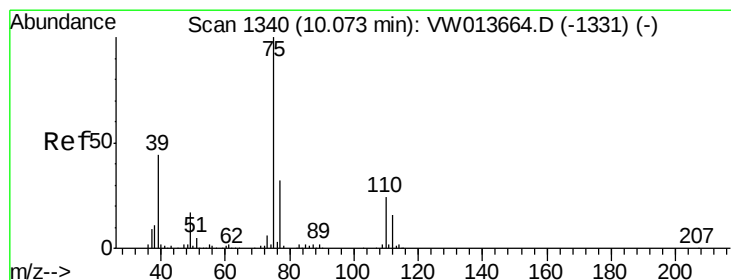
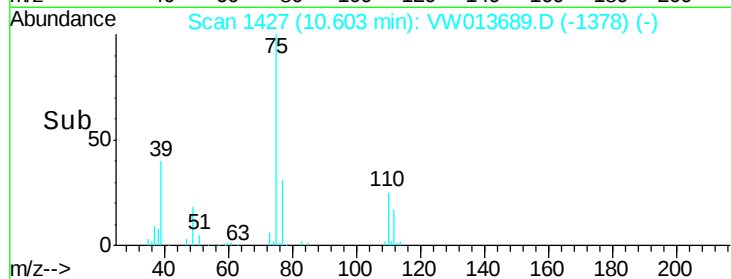
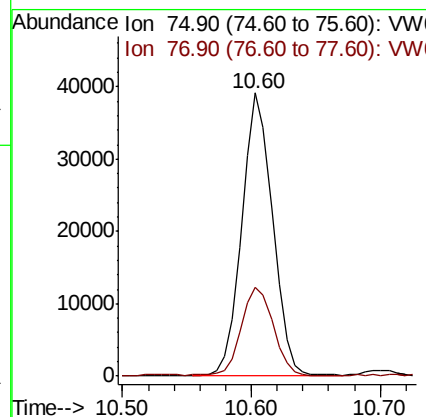
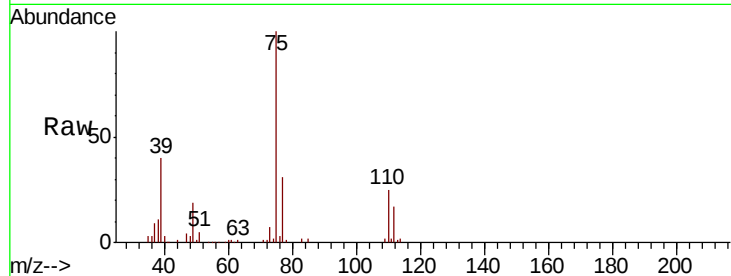
#53
 t-1,3-Dichloropropene
 Concen: 21.573 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion: 75 Resp: 64980
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.5 38.3

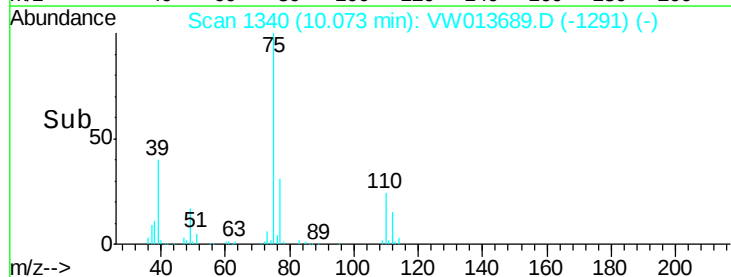
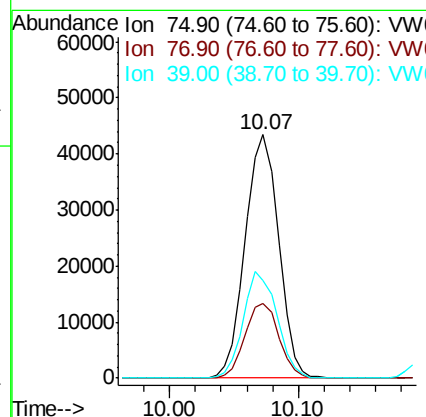
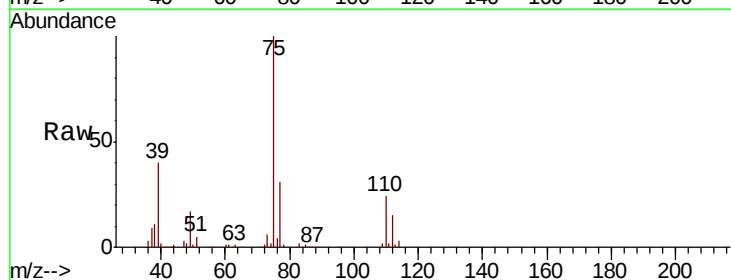
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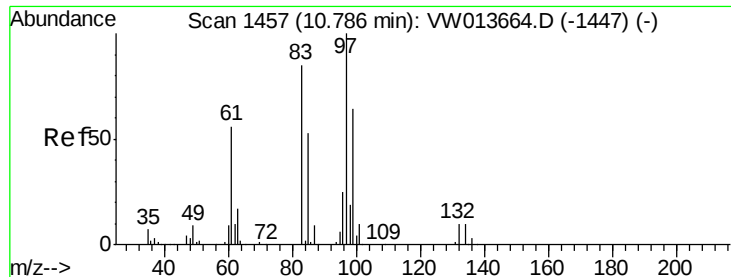
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#54
 cis-1,3-Dichloropropene
 Concen: 21.024 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion: 75 Resp: 78130
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.8 38.6
 39 40.2 35.3 52.9





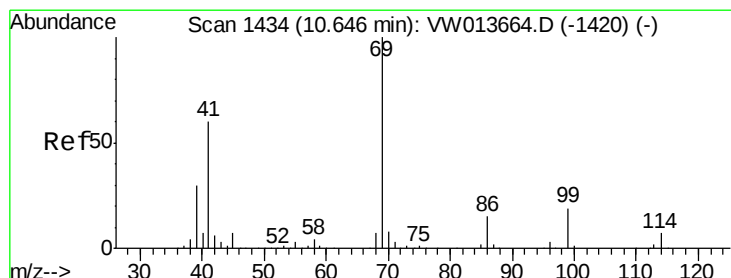
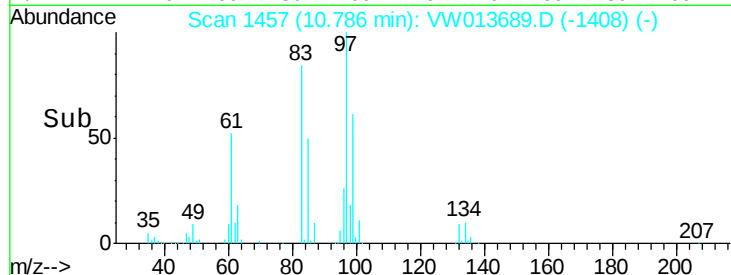
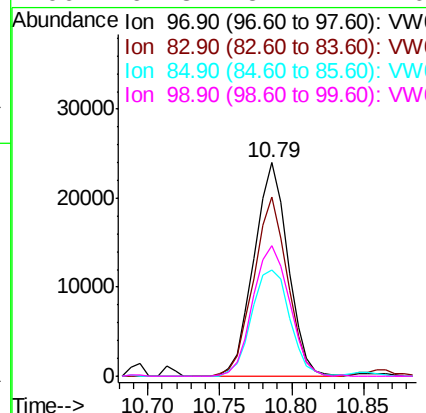
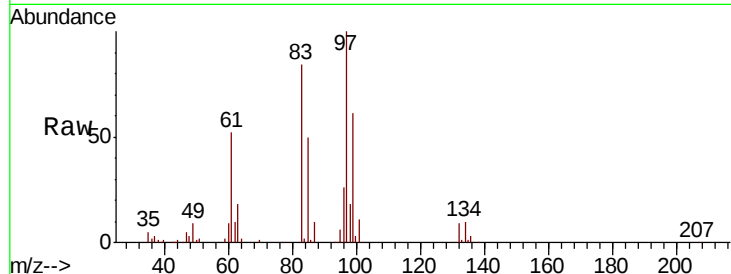
#55
 1,1,2-Trichloroethane
 Concen: 22.916 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.8	101.8
85	50.0	42.1	63.1
99	61.3	51.4	77.0

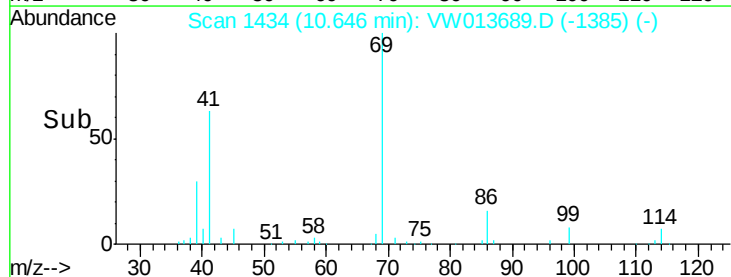
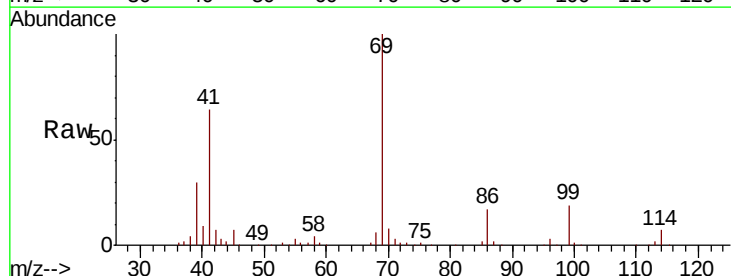
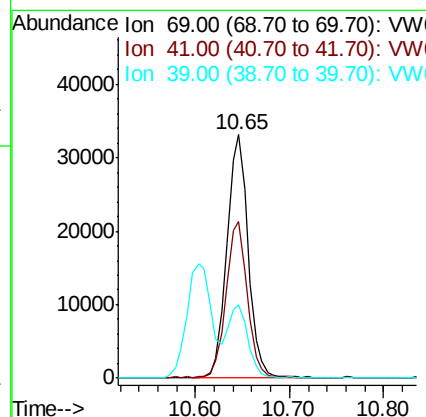
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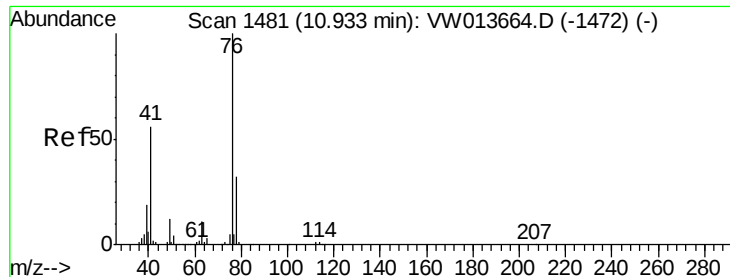
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#56
 Ethyl methacrylate
 Concen: 24.249 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.1	51.6	77.4
39	27.5	22.4	33.6





#57

1,3-Dichloropropane

Concen: 22.653 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 76 Resp: 66623

Ion Ratio Lower Upper

76 100

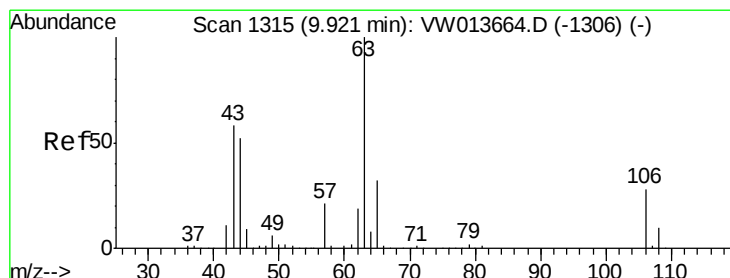
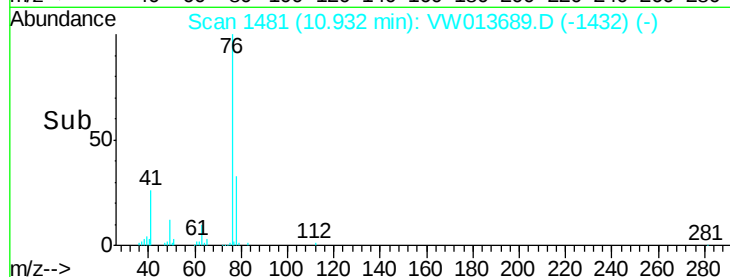
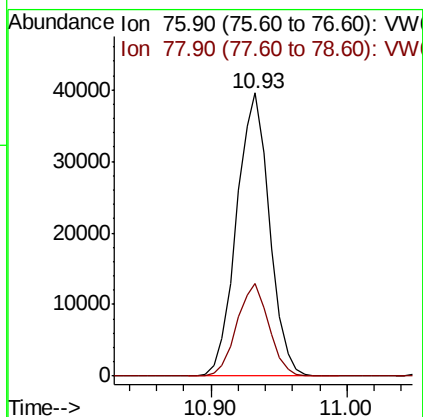
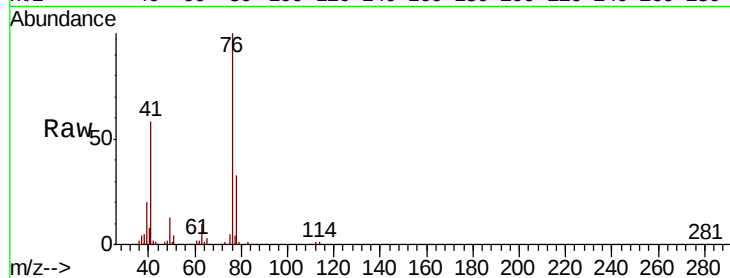
78 31.8 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 118.769 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013689.D

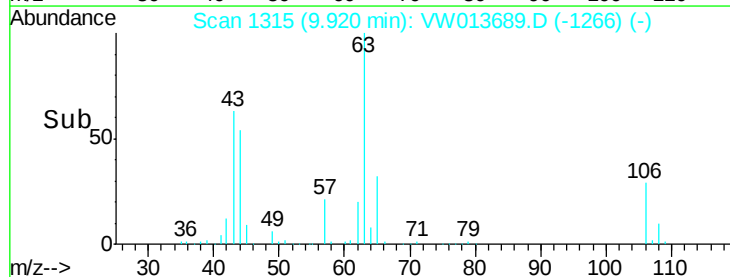
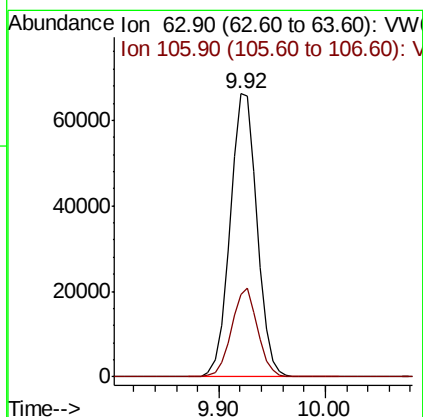
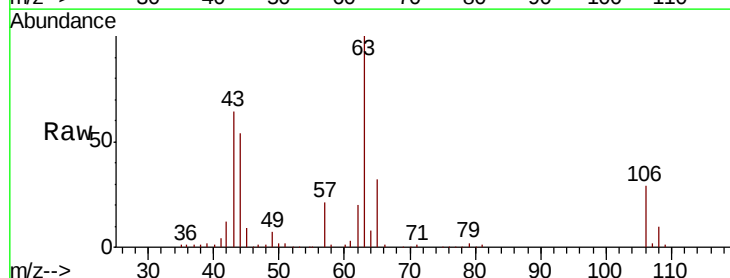
Acq: 24 Oct 2019 02:13

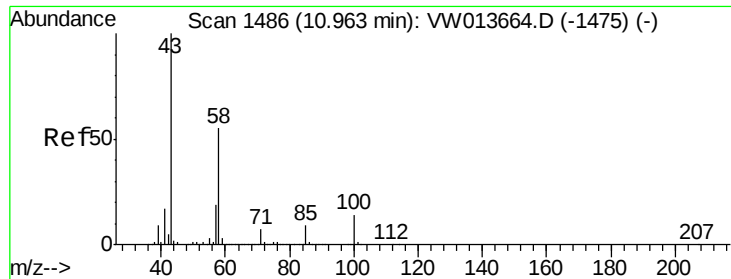
Tgt Ion: 63 Resp: 117205

Ion Ratio Lower Upper

63 100

106 30.2 23.8 35.8





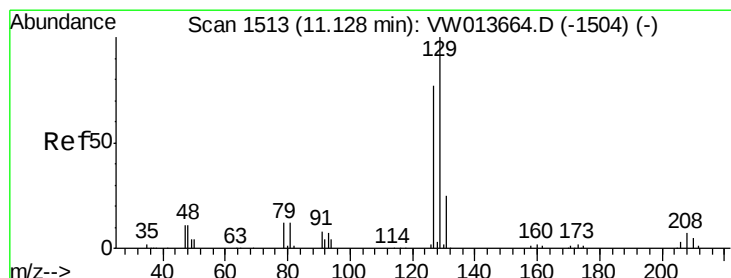
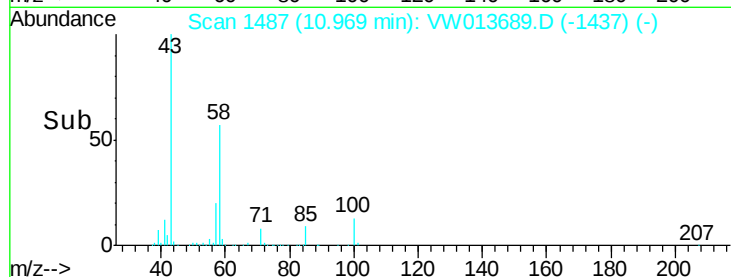
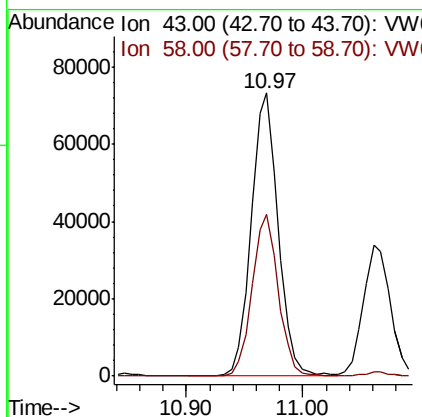
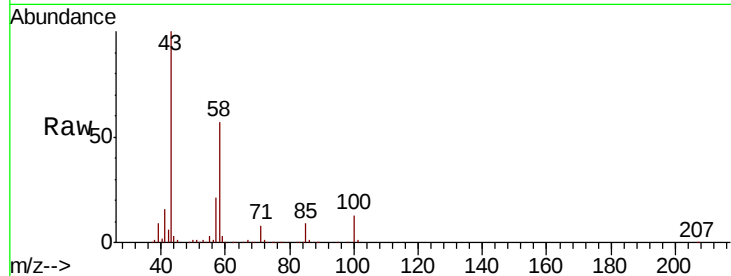
#59
2-Hexanone
Concen: 133.980 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion: 43 Resp: 117876
Ion Ratio Lower Upper
43 100
58 55.8 27.9 83.7

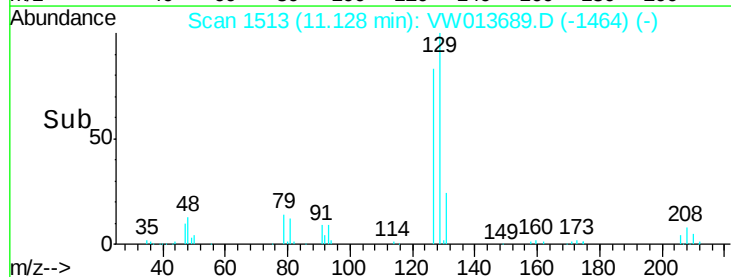
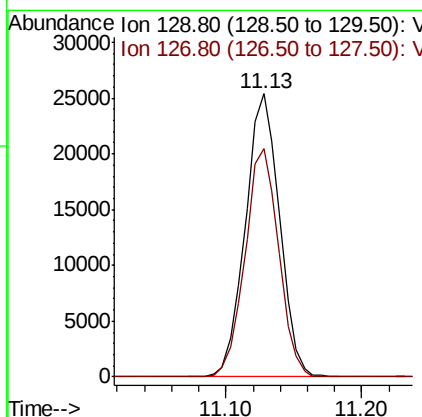
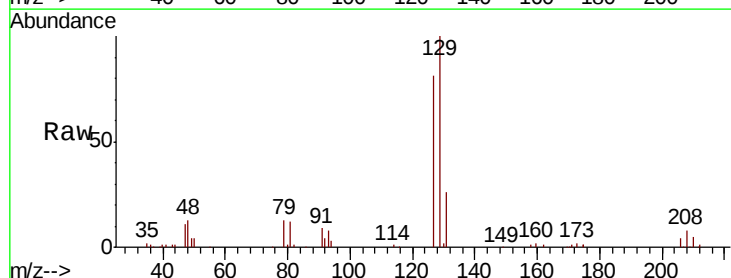
Manual Integrations
APPROVED

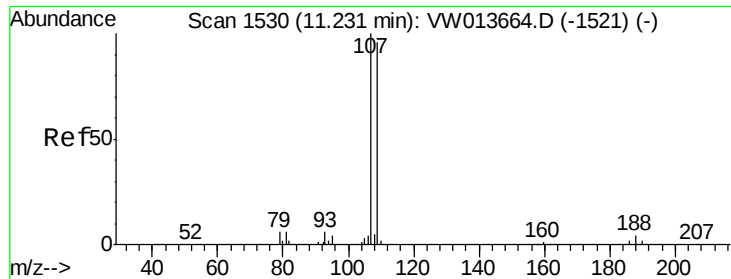
MMDadoda
10/24/2019 1:25:47 PM



#60
Dibromochloromethane
Concen: 22.011 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 129 Resp: 44788
Ion Ratio Lower Upper
129 100
127 79.3 38.9 116.7





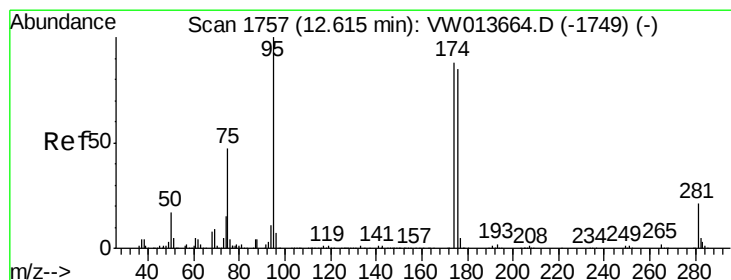
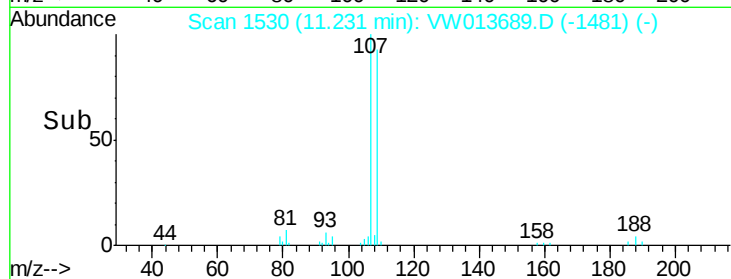
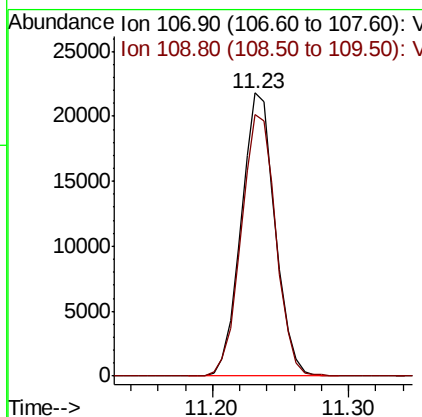
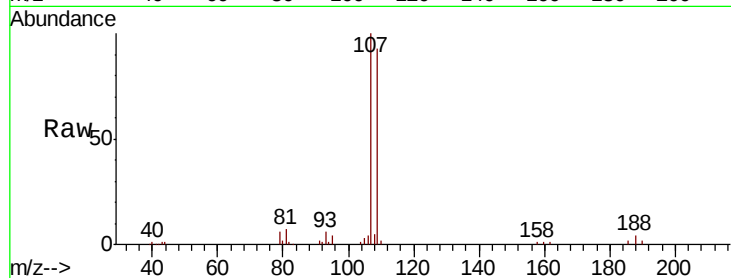
#61
 1,2-Dibromoethane
 Concen: 23.369 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.7	113.5

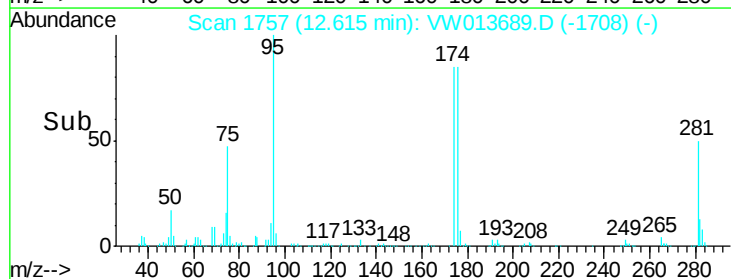
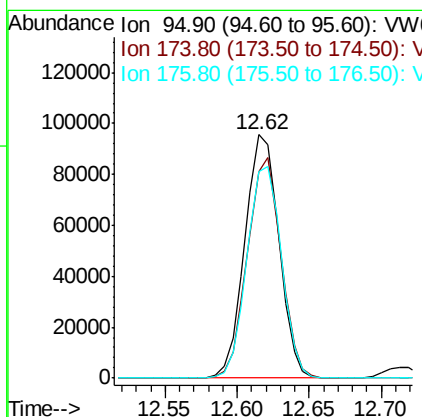
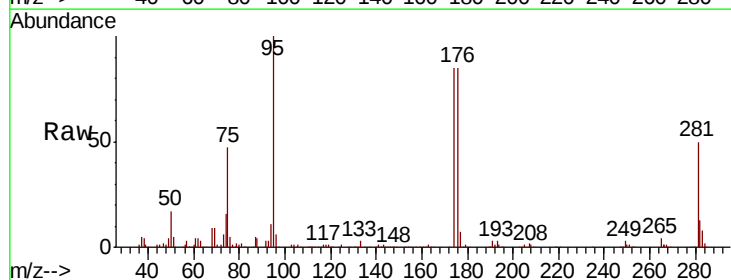
Manual Integrations
 APPROVED

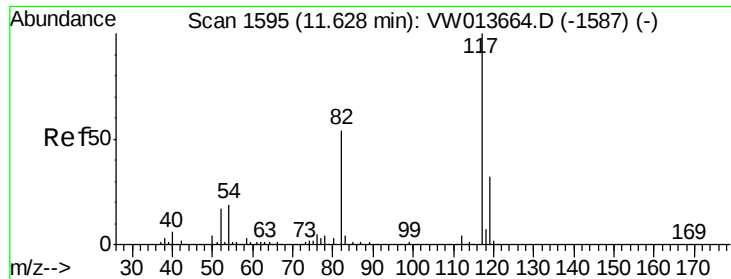
MMDadoda
 10/24/2019 1:25:47 PM



#62
 4-Bromofluorobenzene
 Concen: 54.217 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	183.6
176	88.1	0.0	178.0





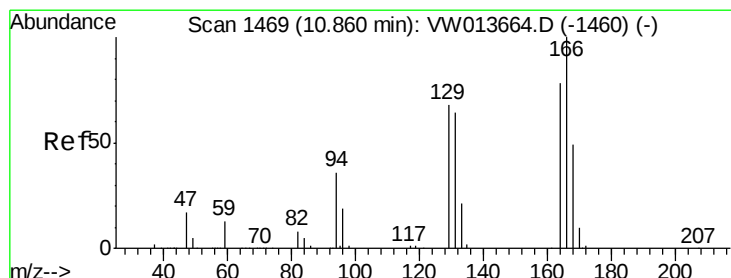
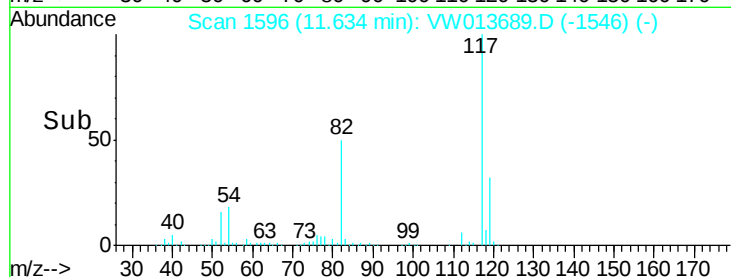
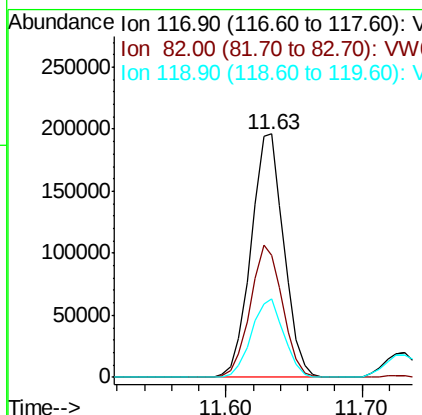
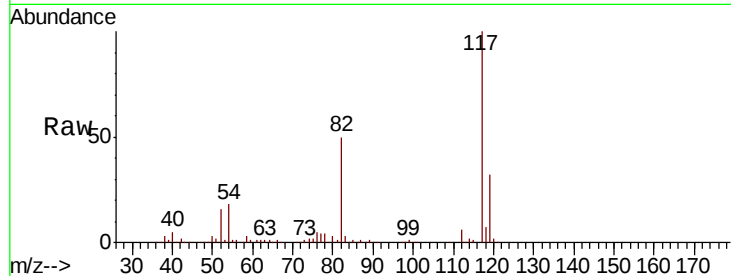
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	331806		
82	49.9	43.6	65.4	
119	32.5	25.4	38.2	

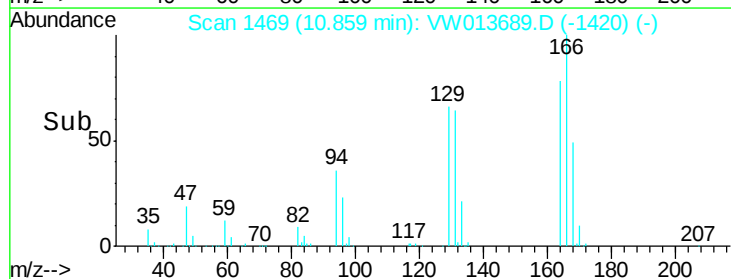
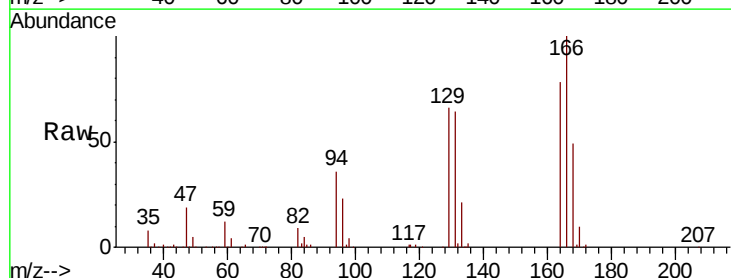
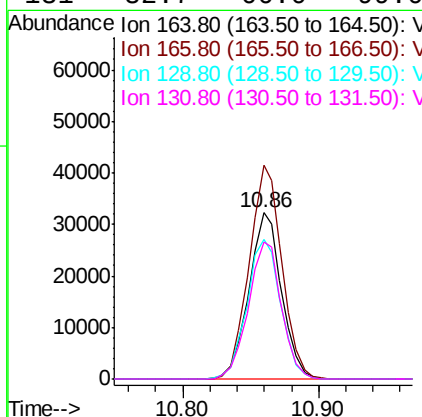
Manual Integrations
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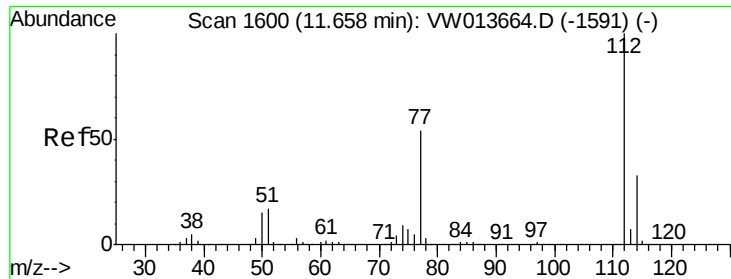
MMDadoda
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#64
Tetrachloroethene
Concen: 21.366 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54165		
166	128.8	103.2	154.8	
129	84.5	70.6	105.8	
131	82.7	66.0	99.0	





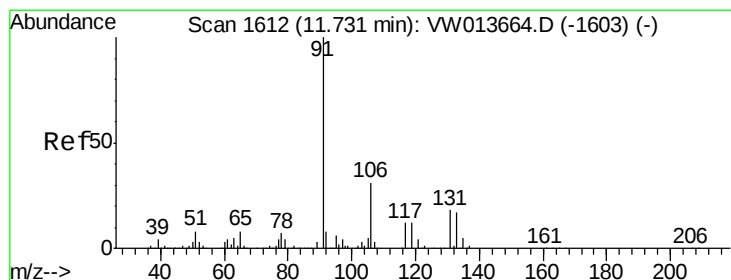
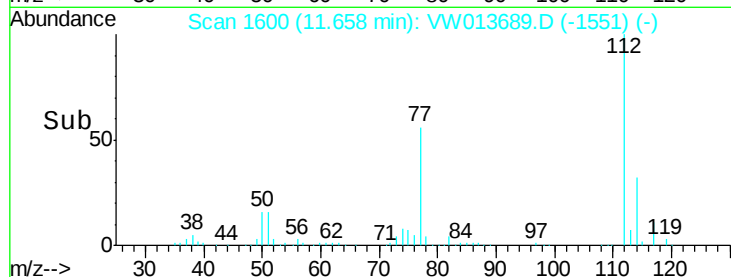
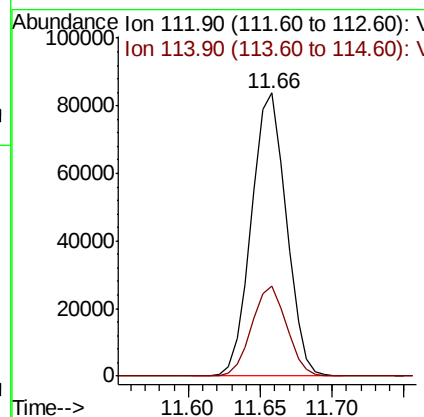
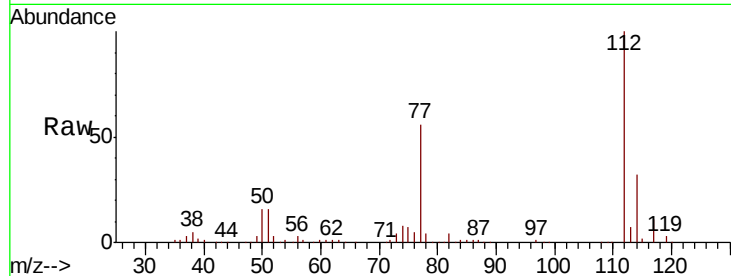
#65
Chlorobenzene
Concen: 20.532 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBSD02

Tot Ion:112 Resp: 139996
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

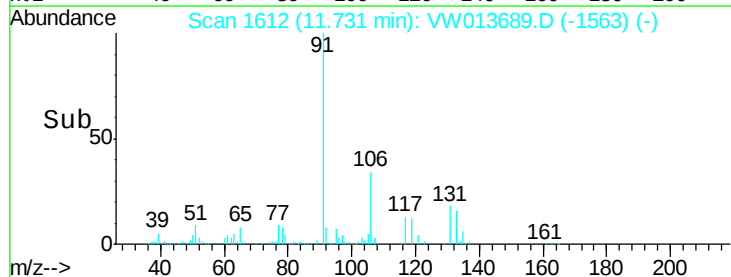
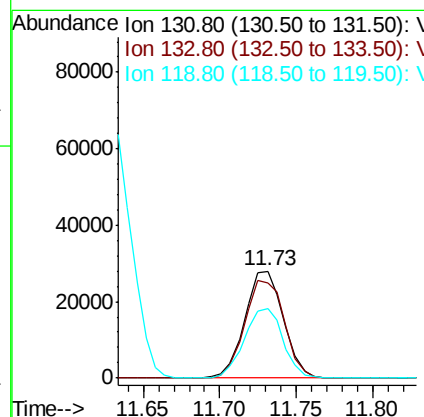
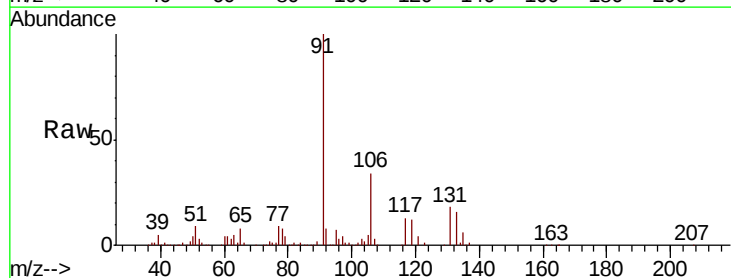
Manual Integrations
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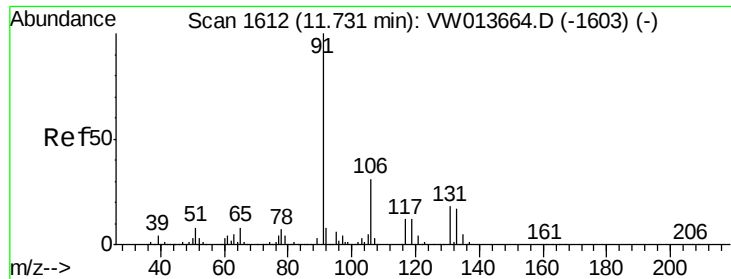
MMDadoda
10/24/2019 1:25:47 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.531 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion:131 Resp: 48855
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.3
119 65.6 33.1 99.2





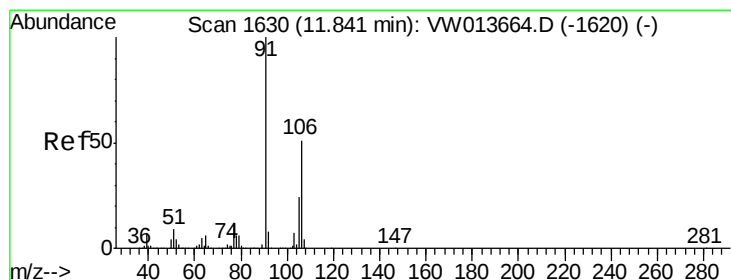
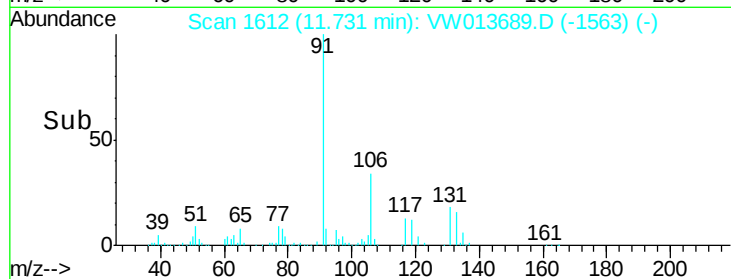
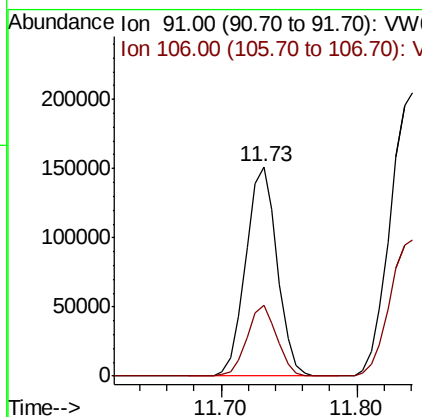
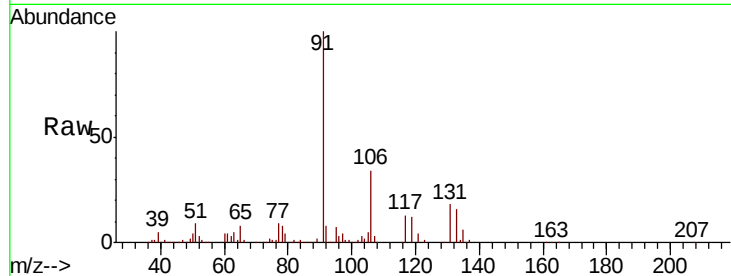
#67
Ethyl Benzene
Concen: 19.874 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion: 91 Resp: 244343
Ion Ratio Lower Upper
91 100
106 33.8 25.0 37.6

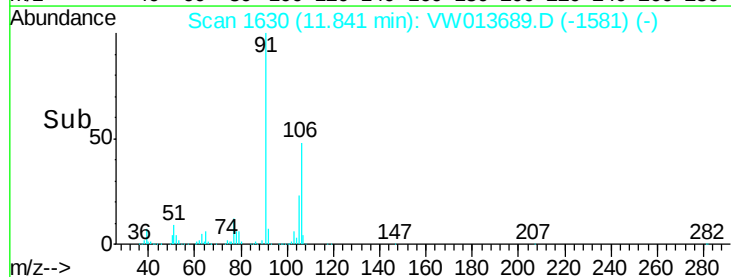
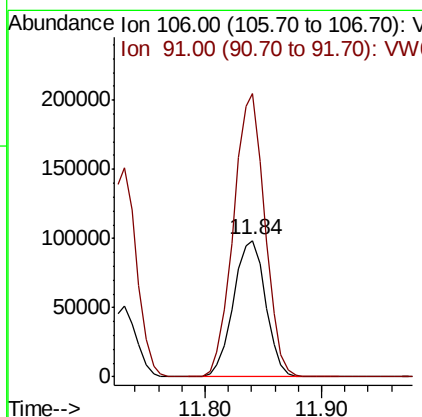
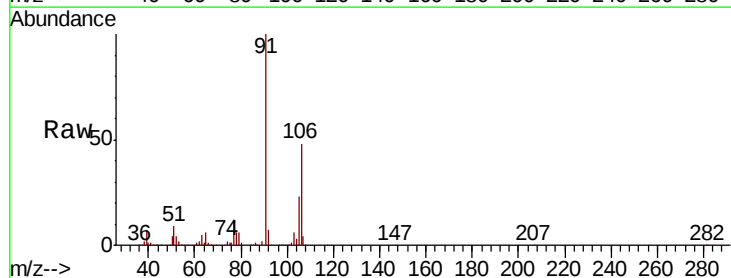
Manual Integrations
APPROVED

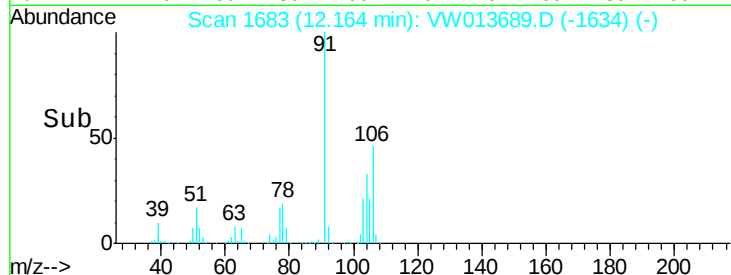
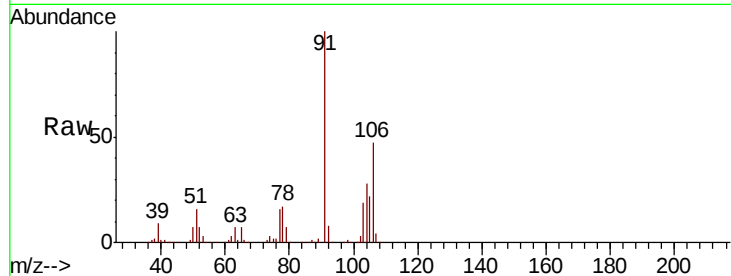
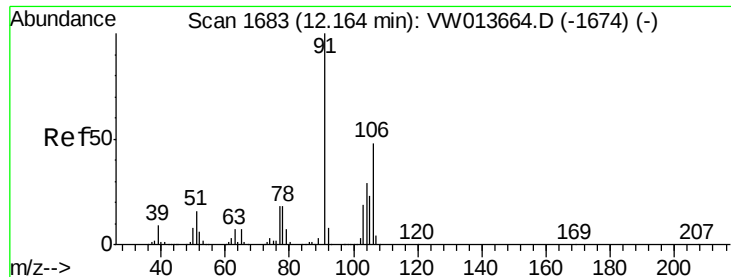
MMDadoda
10/24/2019 1:25:47 PM



#68
m/p-Xylenes
Concen: 40.074 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 106 Resp: 190356
Ion Ratio Lower Upper
106 100
91 201.6 159.2 238.8





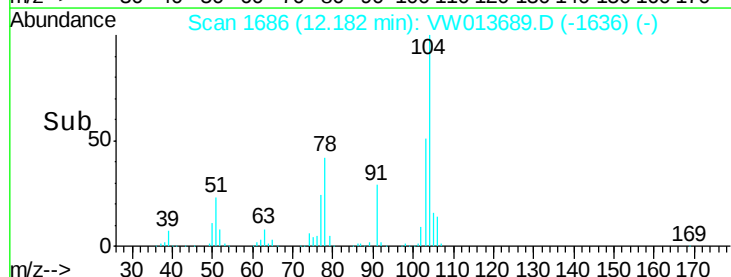
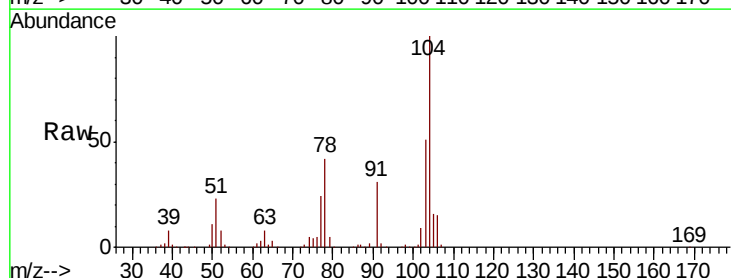
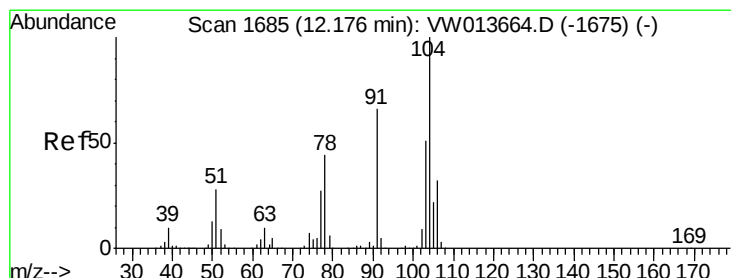
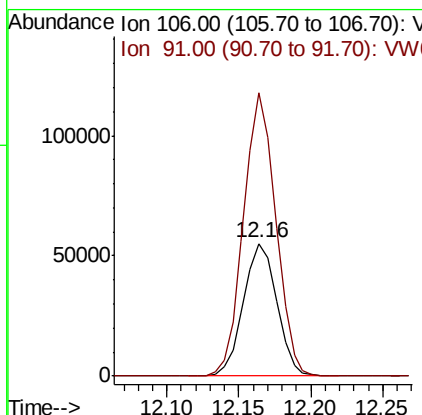
#69
o-Xylene
Concen: 20.276 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tot Ion: 106 Resp: 88527
Ion Ratio Lower Upper
106 100
91 207.3 104.9 314.7

Instrument :
MSVOA_W
ClientSampleID :
VW1023SBS02

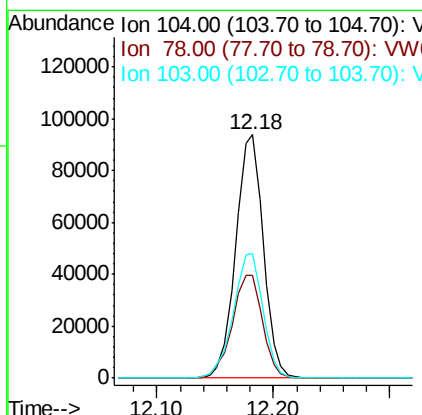
Manual Integrations
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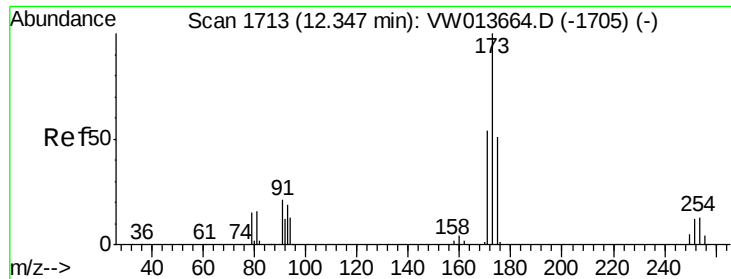
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#70
Styrene
Concen: 20.698 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion: 104 Resp: 155268
Ion Ratio Lower Upper
104 100
78 46.4 37.1 55.7
103 54.9 43.6 65.4





#71

Bromoform

Concen: 22.891 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion:173 Resp: 28585

Ion Ratio Lower Upper

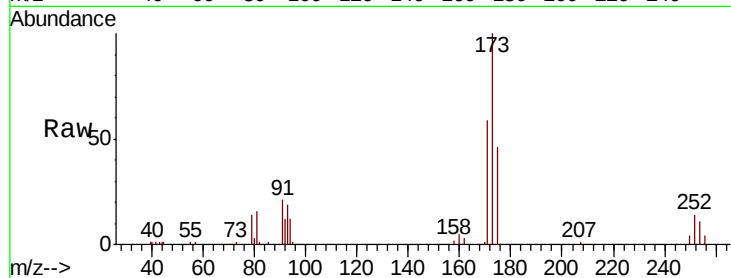
173 100

175 47.4 25.2 75.6

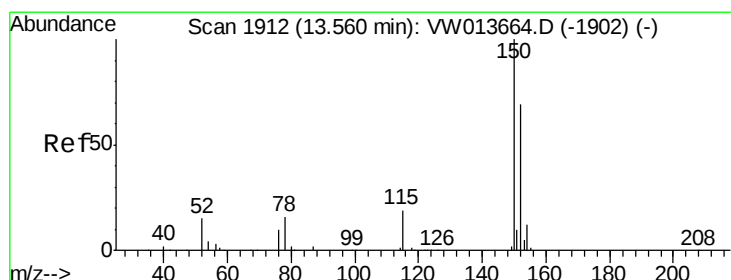
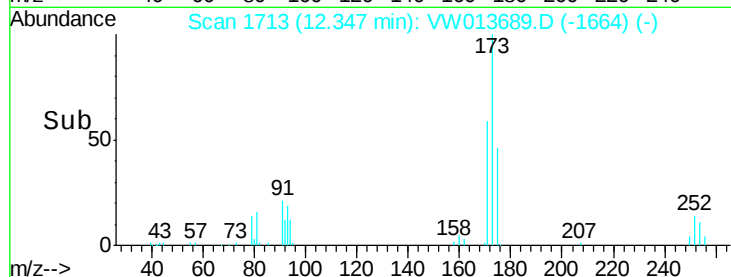
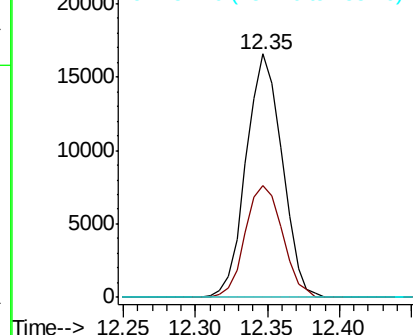
254 0.0 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

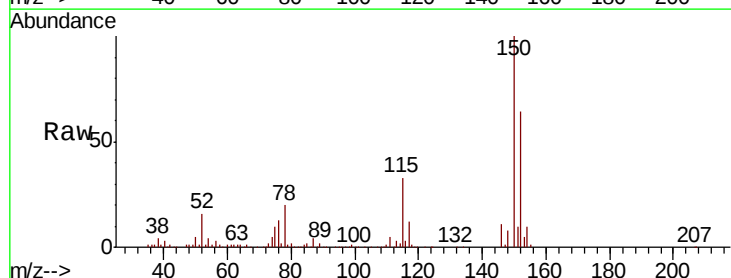
Tgt Ion:152 Resp: 171556

Ion Ratio Lower Upper

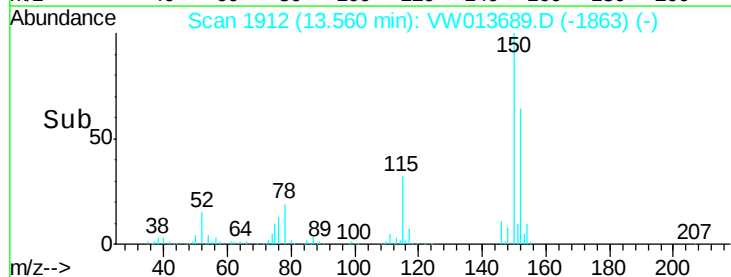
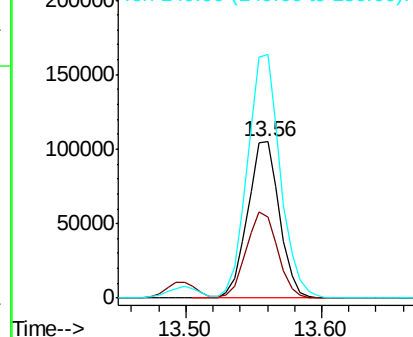
152 100

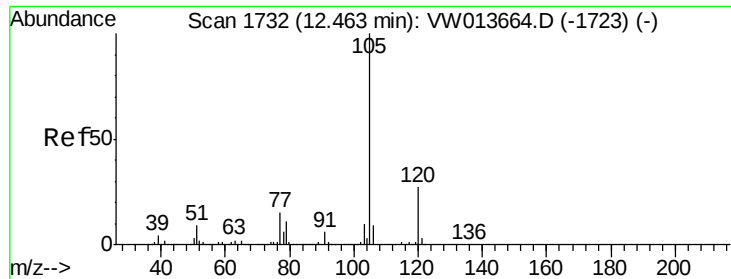
115 54.8 27.4 82.2

150 161.4 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





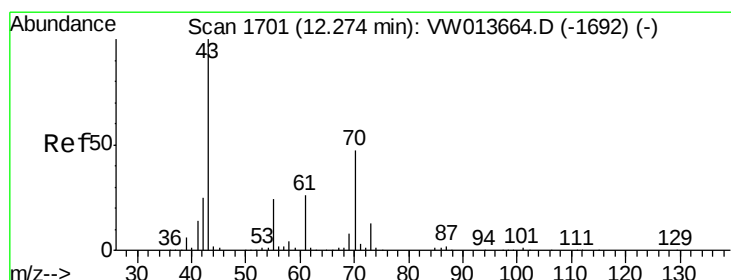
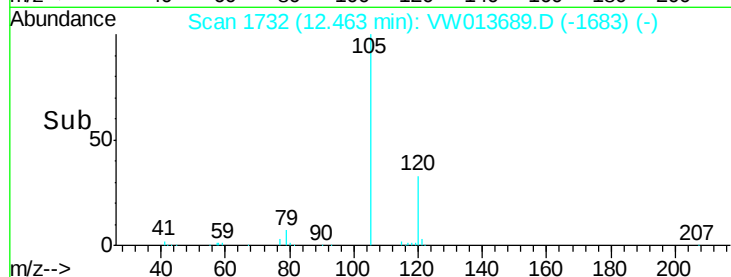
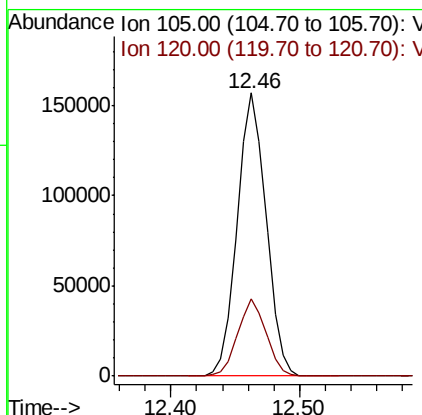
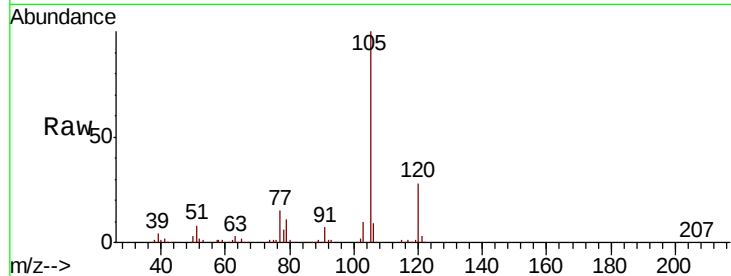
#73
Isopropylbenzene
Concen: 19.785 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

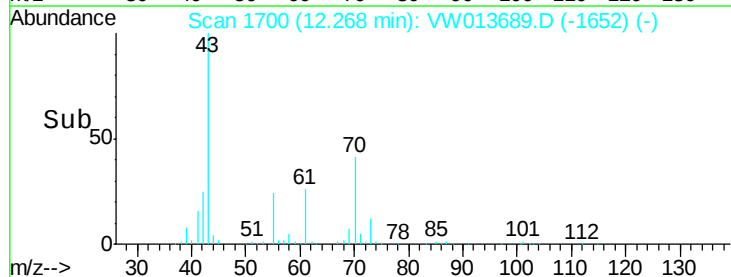
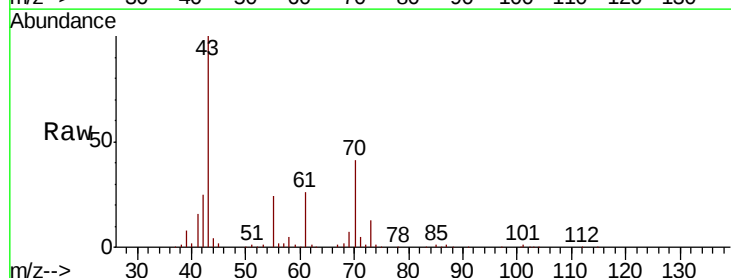
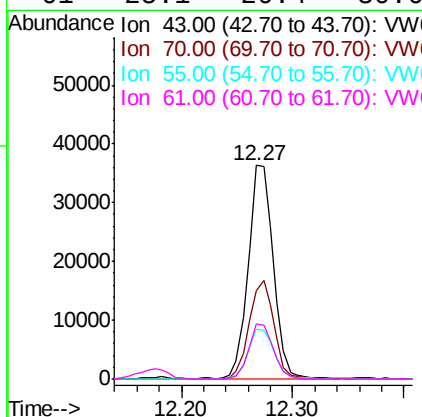
Manual Integrations
APPROVED

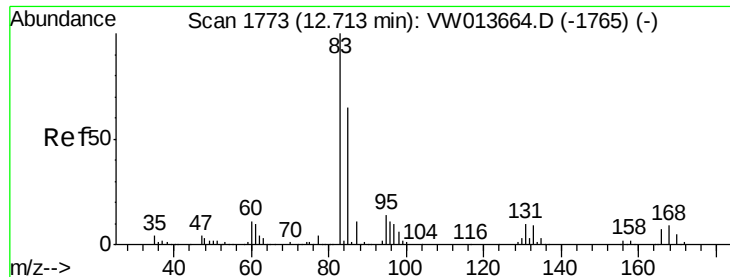
MMDadoda
10/24/2019 1:25:47 PM



#74
N-ethyl acetate
Concen: 23.961 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.5	36.6	55.0
55	24.2	20.3	30.5
61	25.1	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.127 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

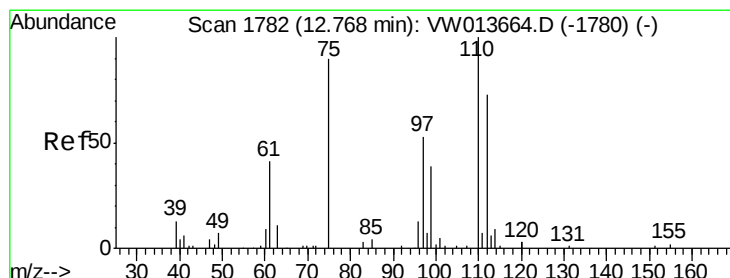
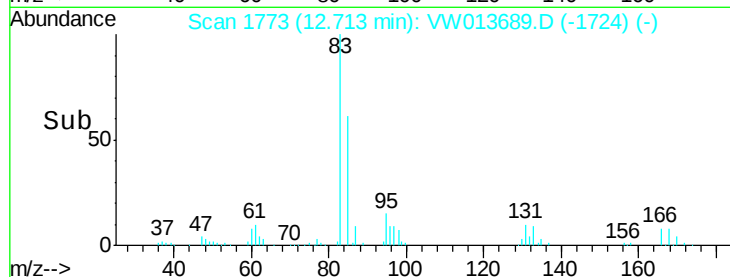
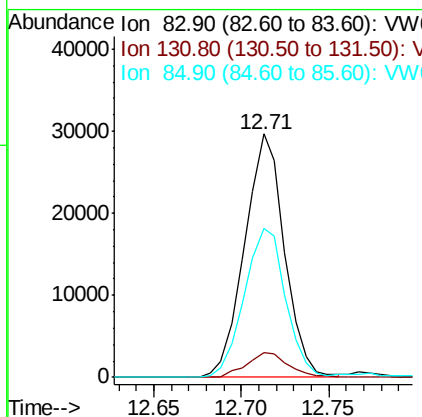
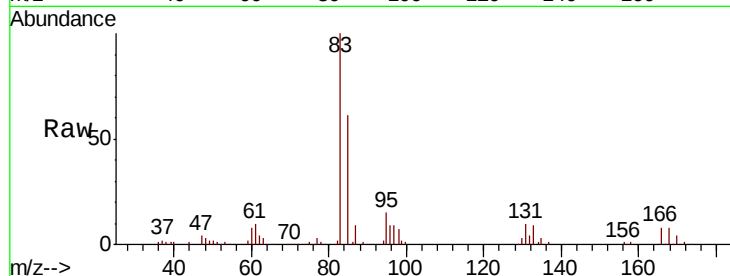
ClientSampleId :

VW1023SBS02

Tot Ion:	83	Resp:	46907
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.1
85	63.7	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 24.456 ug/l m

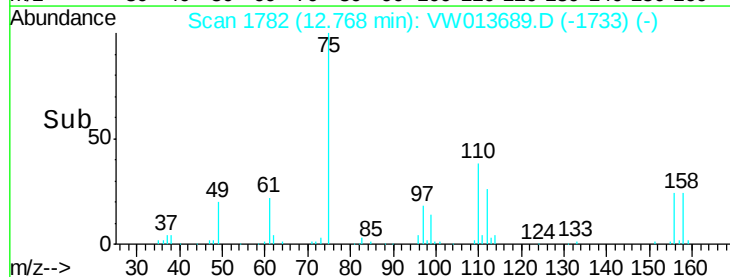
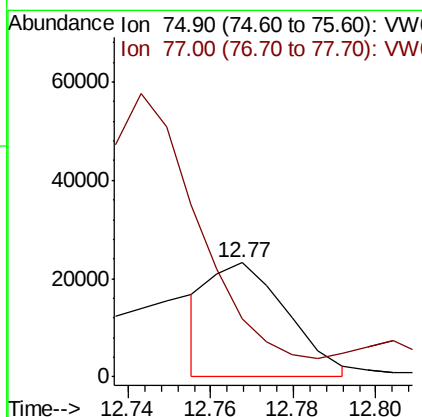
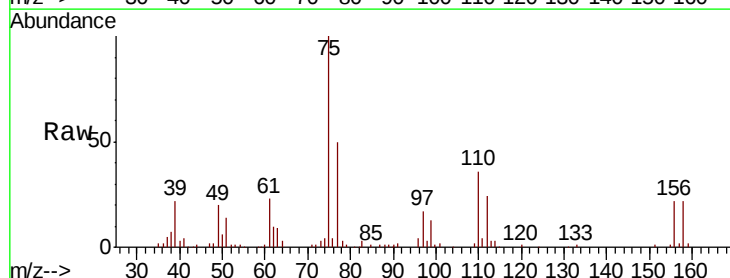
RT: 12.77 min Scan# 1782

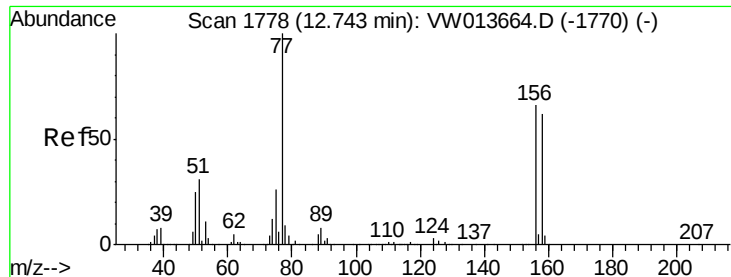
Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Tgt Ion:	75	Resp:	30130
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.670 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

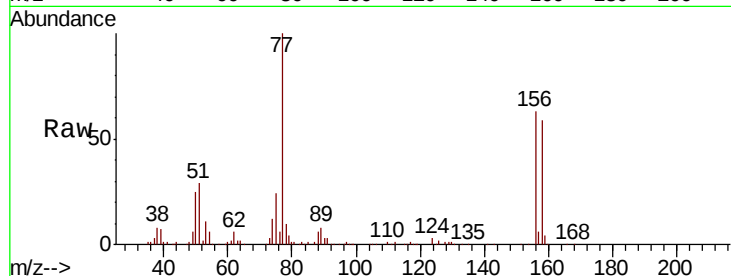
ClientSampleId :

VW1023SBS02

Tot Ion:	156	Resp:	60835
Ion	Ratio	Lower	Upper
156	100		
77	172.6	82.9	248.7
158	96.5	48.4	145.2

Manual Integrations
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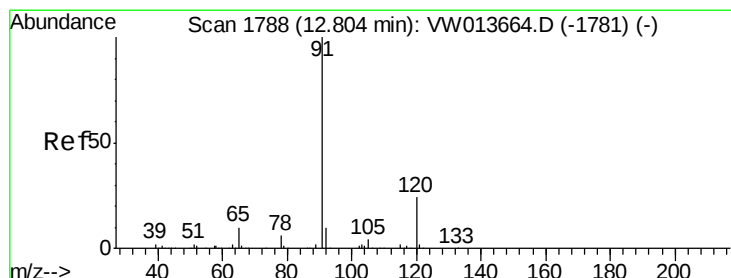
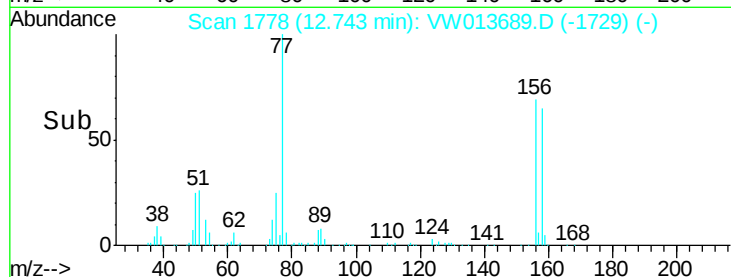
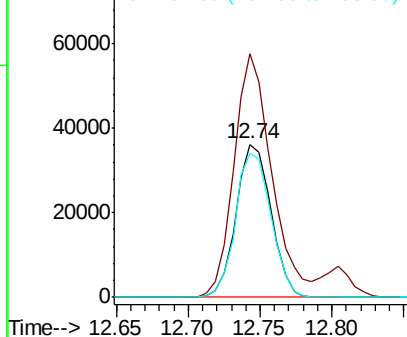


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.065 ug/l

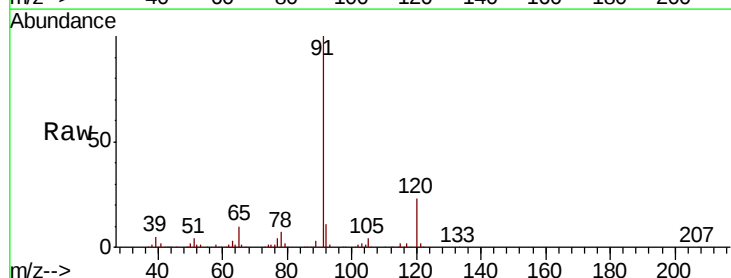
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

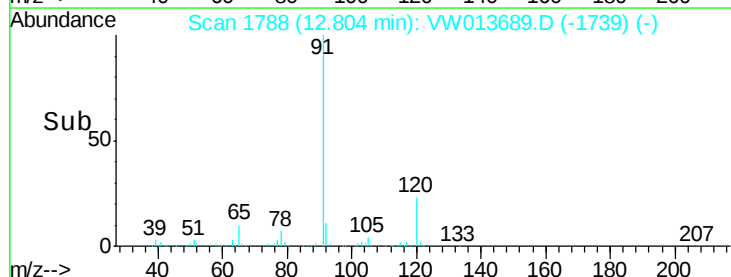
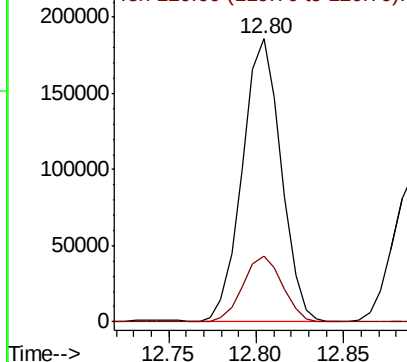
Tgt Ion:	91	Resp:	286114
Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.0	36.0

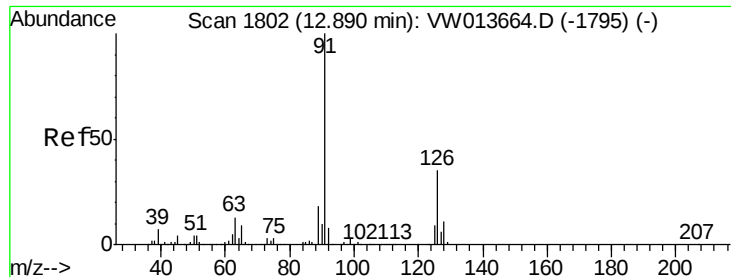


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.209 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 91 Resp: 161941

Ion Ratio Lower Upper

91 100

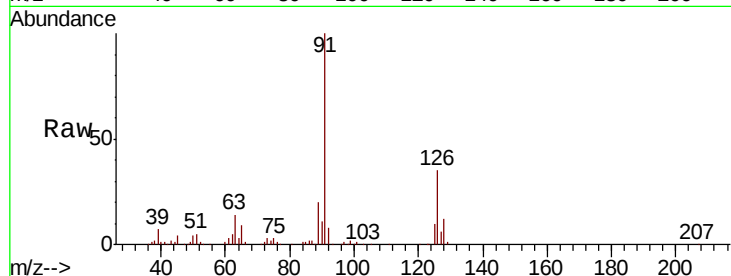
126 35.1 17.4 52.2

Manual Integrations

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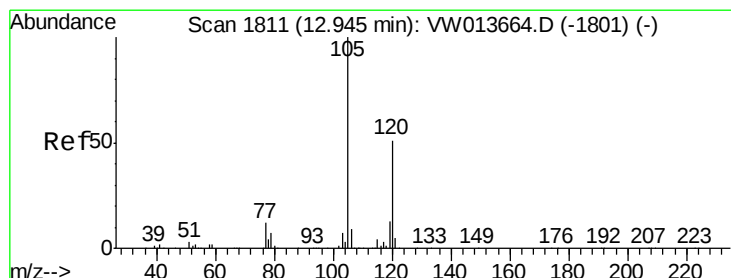
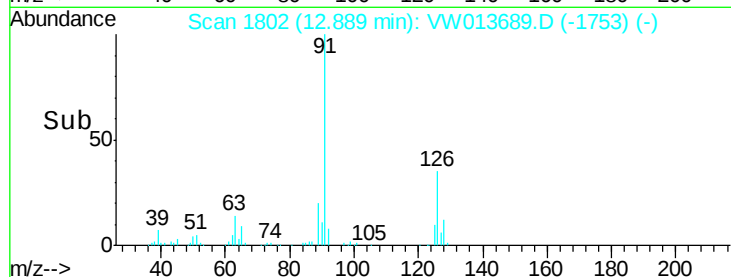
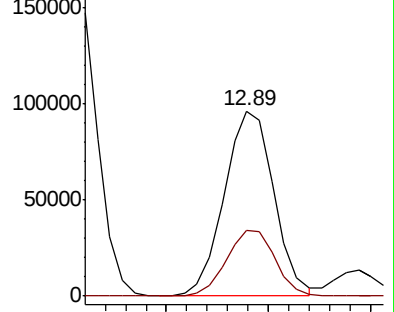
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.889 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013689.D

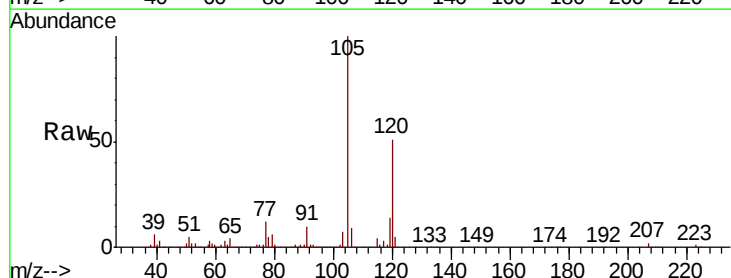
Acq: 24 Oct 2019 02:13

Tgt Ion:105 Resp: 206843

Ion Ratio Lower Upper

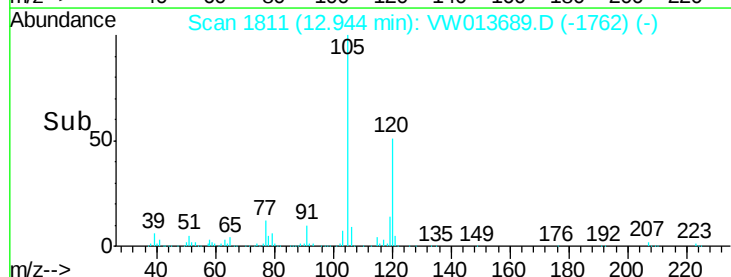
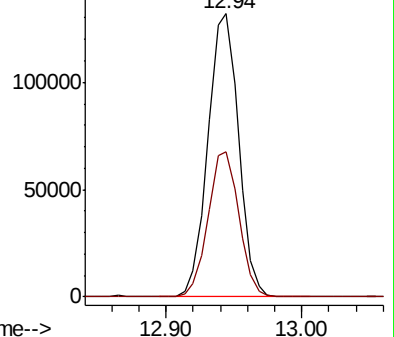
105 100

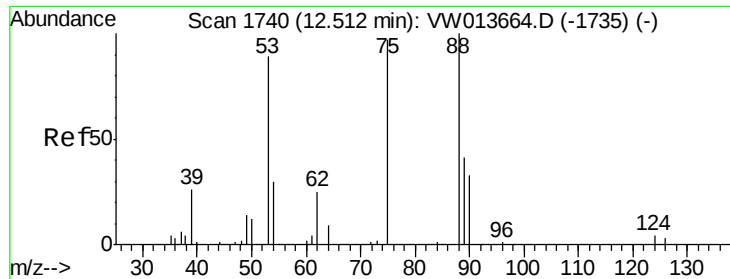
120 51.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





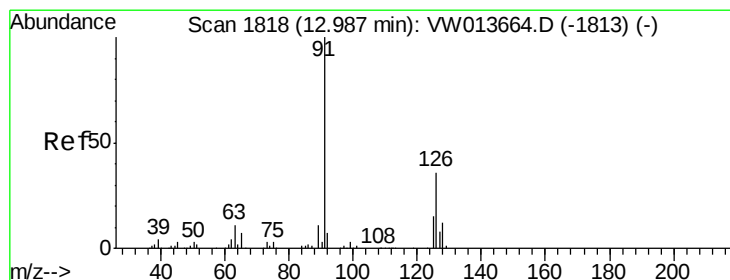
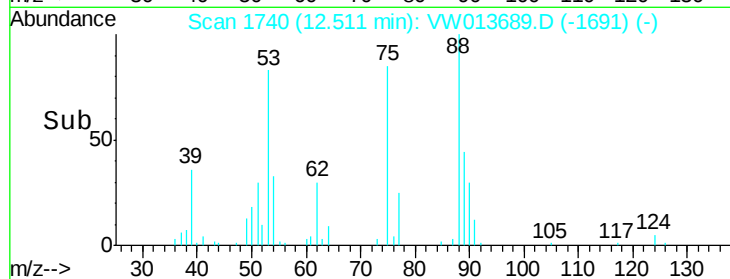
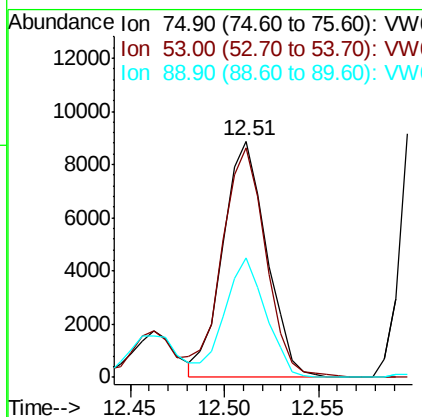
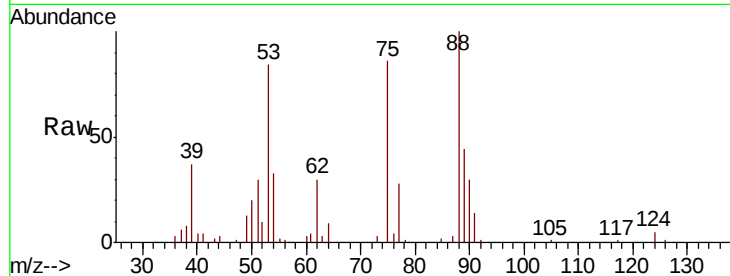
#81
trans-1,4-Dichloro-2-butene
Concen: 21.922 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	71.7	107.5
89	46.5	35.8	53.8

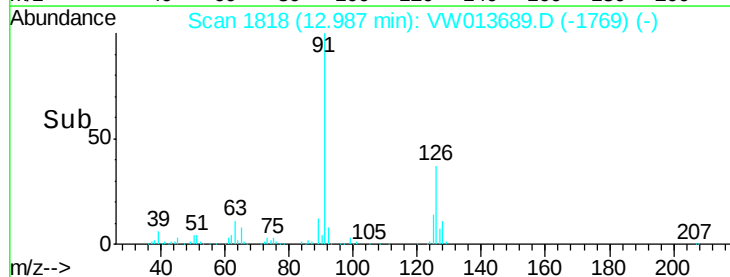
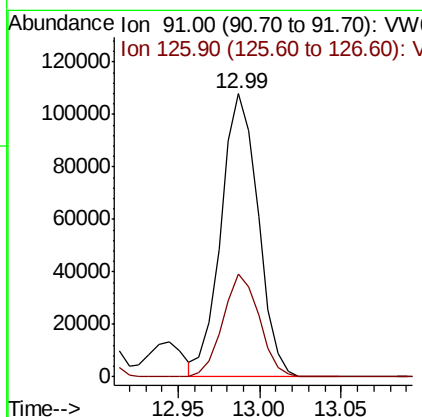
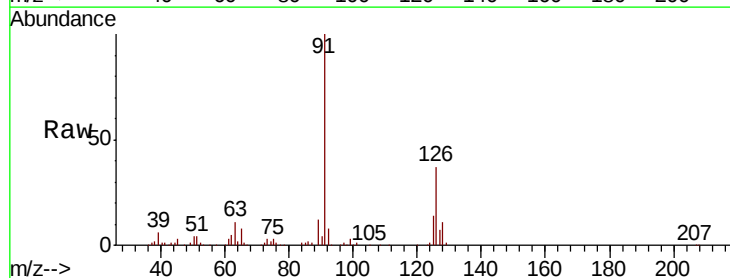
Manual Integrations
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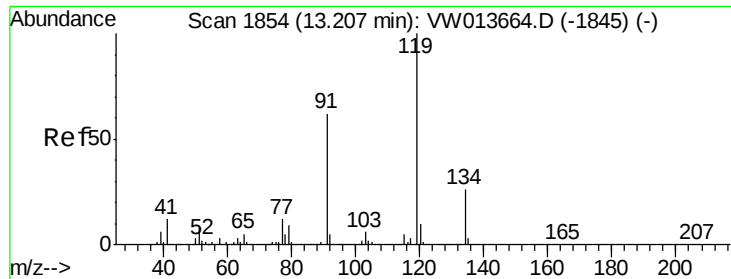
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.285 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.2	51.5





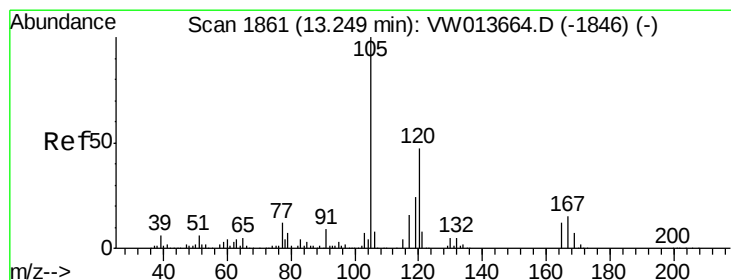
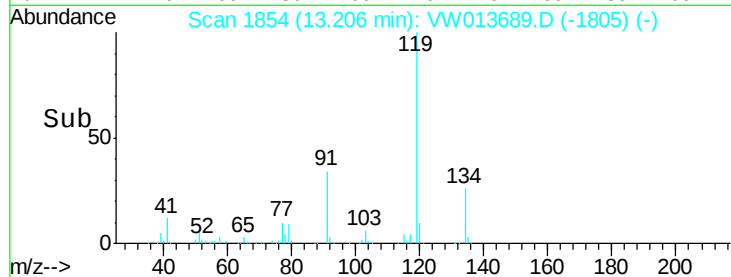
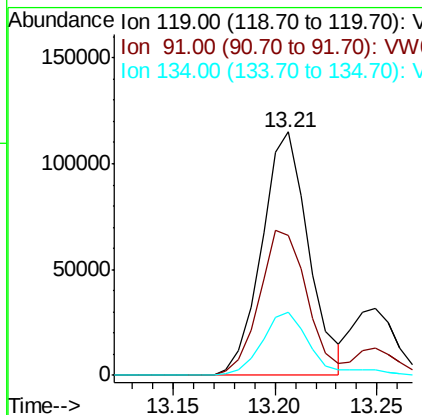
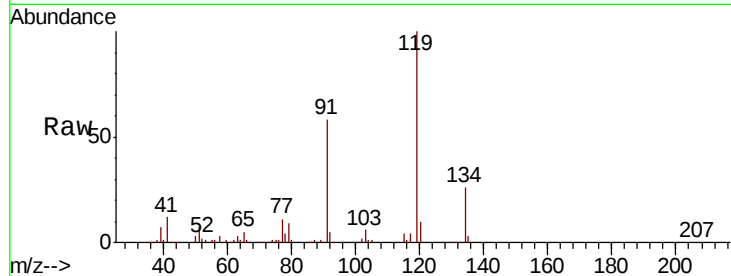
#83
 tert-Butylbenzene
 Concen: 19.887 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.4	91.3
134	27.4	13.6	40.8

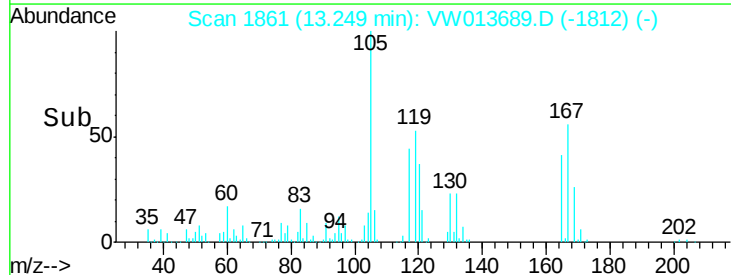
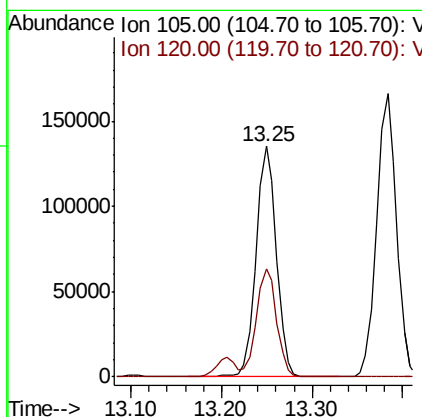
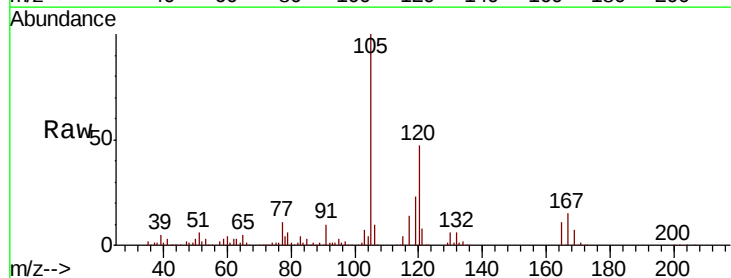
Manual Integrations
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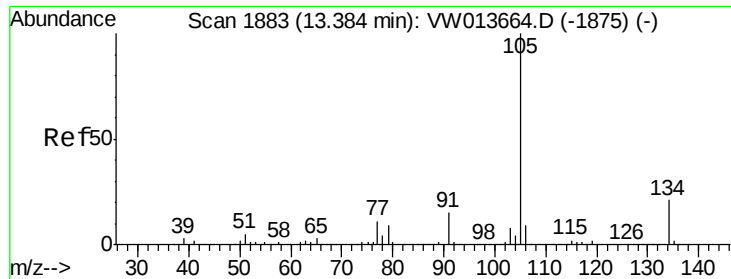
MMDadoda
 10/24/2019 1:25:47 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.351 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.5	70.5





#85

sec-Butylbenzene

Concen: 19.910 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion:105 Resp: 251341

Ion Ratio Lower Upper

105 100

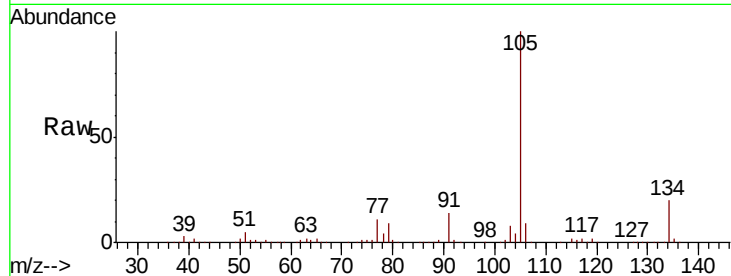
134 20.5 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

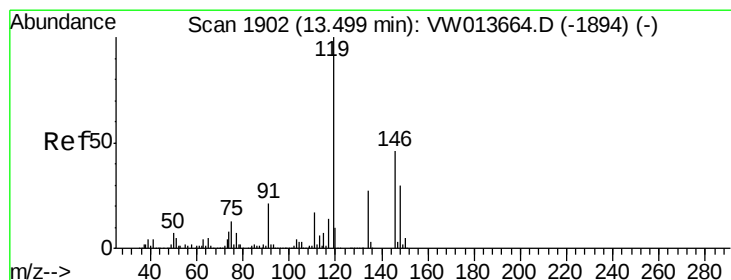
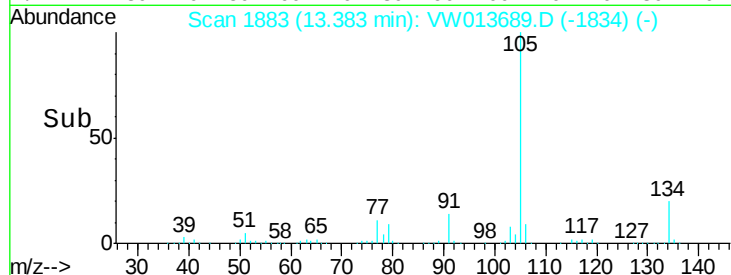
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.771 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

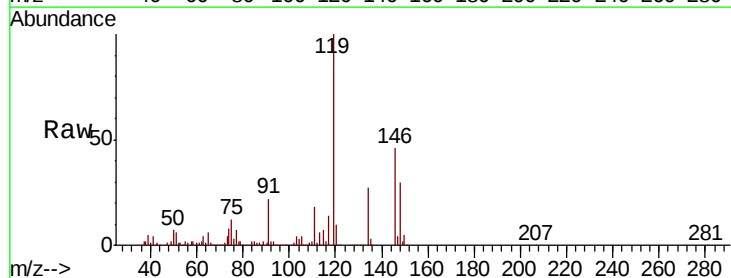
Tgt Ion:119 Resp: 232496

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.1 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

200000

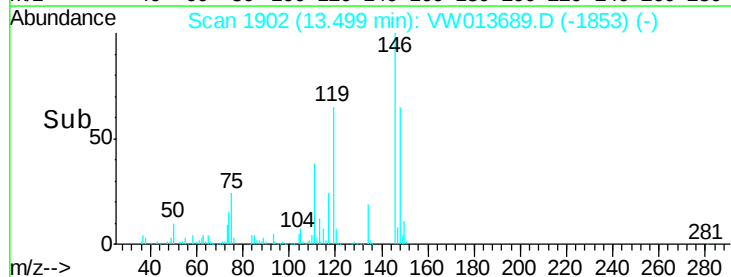
150000

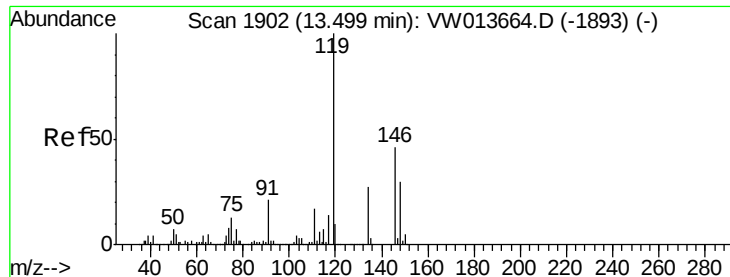
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.175 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

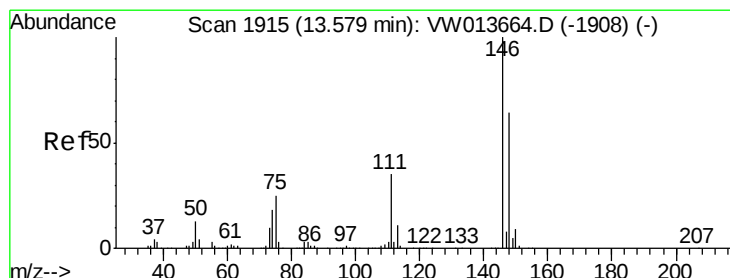
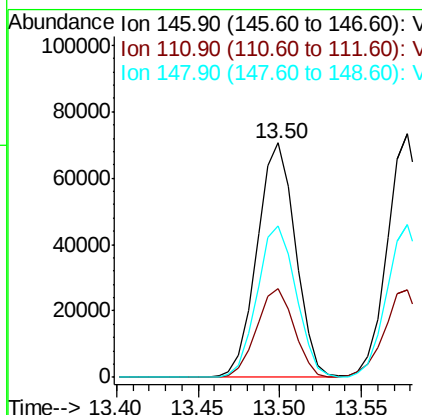
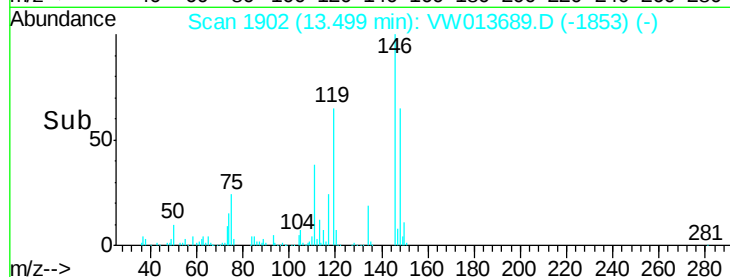
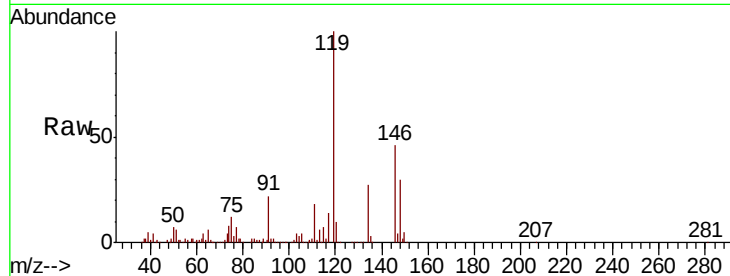
Instrument :
MSVOA_W

ClientSampleId :
VW1023SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	56.0
148	65.5	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.261 ug/l

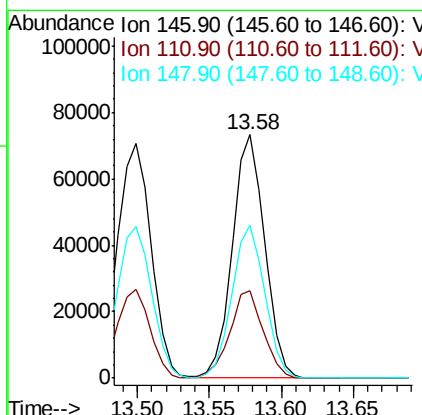
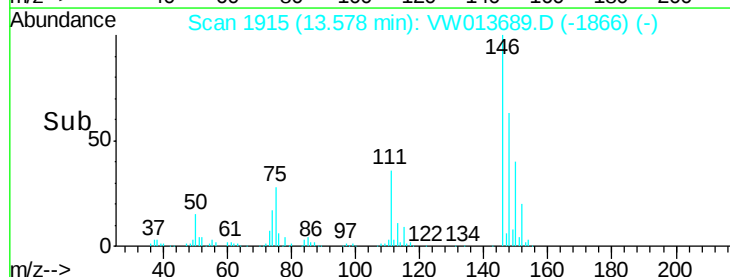
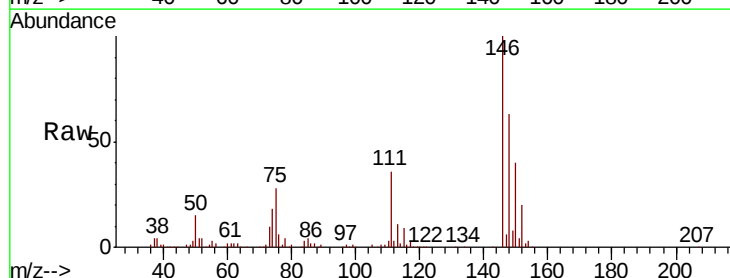
RT: 13.58 min Scan# 1915

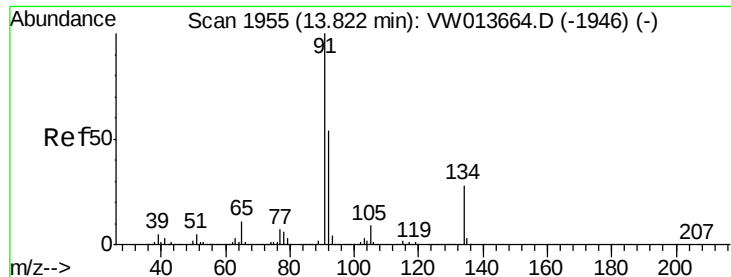
Delta R.T. -0.00 min

Lab File: VW013689.D

Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.3
148	64.0	32.0	96.2





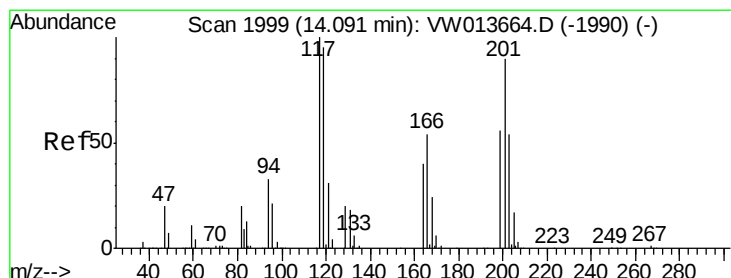
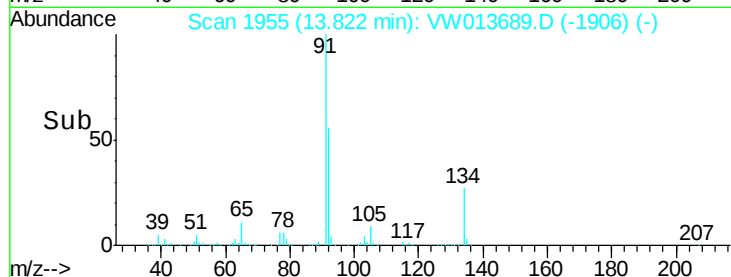
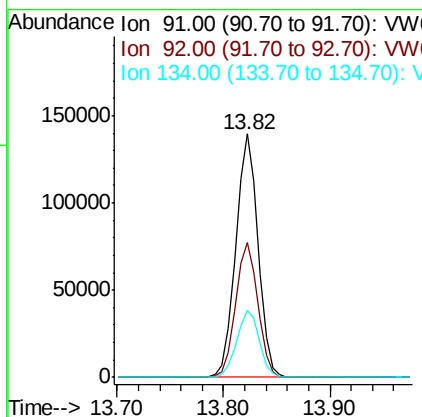
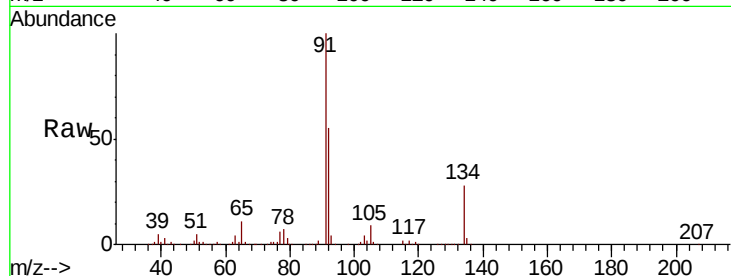
#89
n-Butylbenzene
Concen: 19.254 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.5	82.4
134	27.9	14.0	41.9

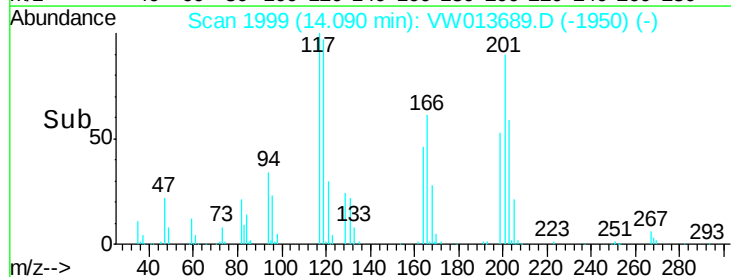
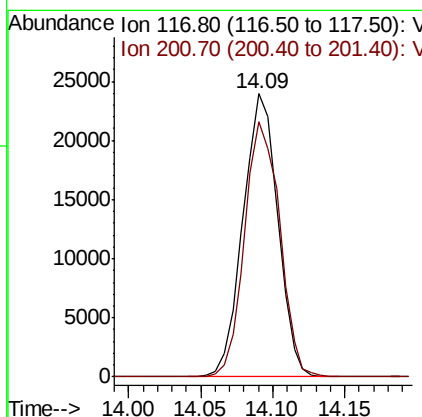
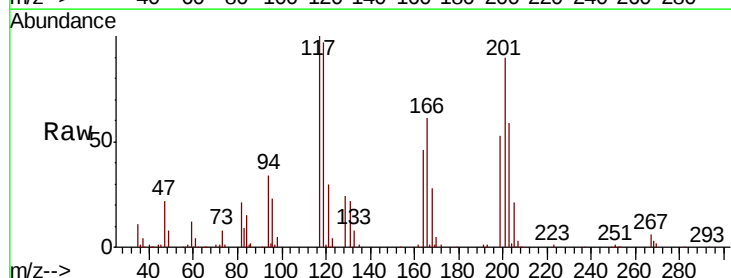
Manual Integrations
APPROVED

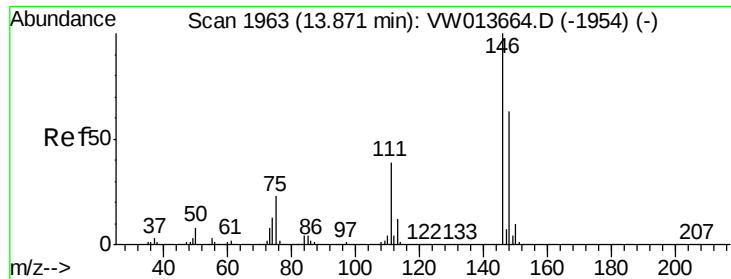
MMDadoda
10/24/2019 1:25:47 PM



#90
Hexachloroethane
Concen: 19.635 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	46.1	138.2





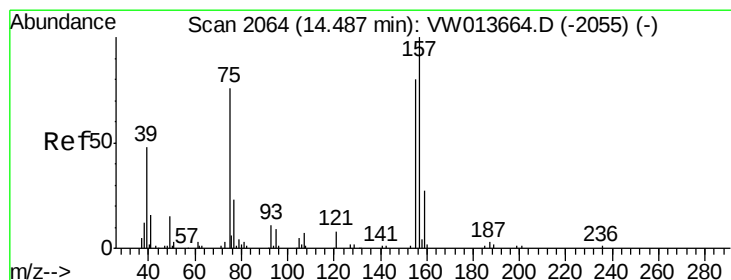
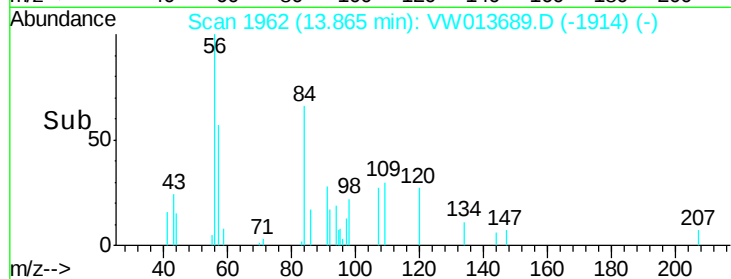
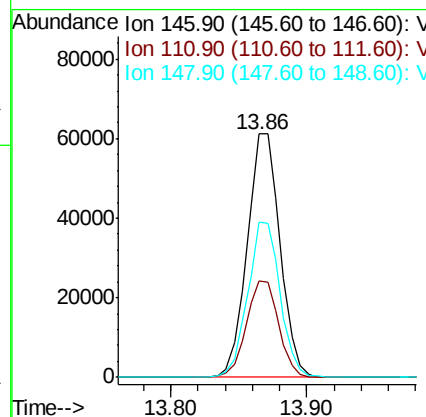
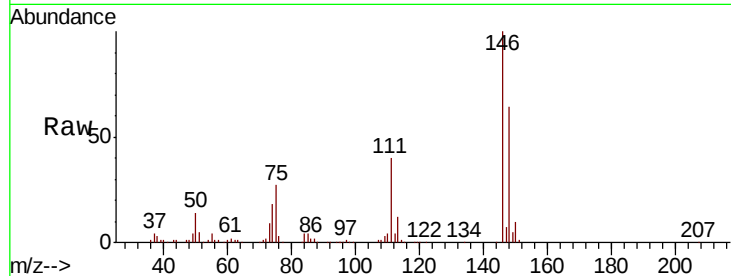
#91
 1,2-Dichlorobenzene
 Concen: 20.952 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.6
148	62.7	31.9	95.9

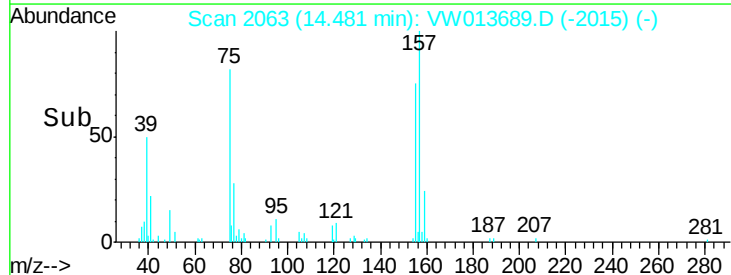
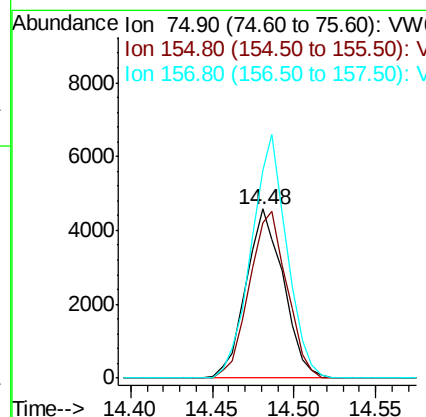
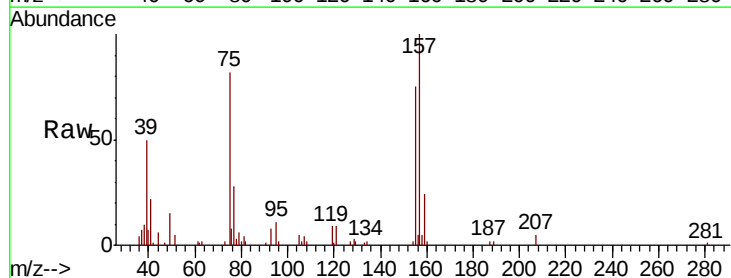
Manual Integrations
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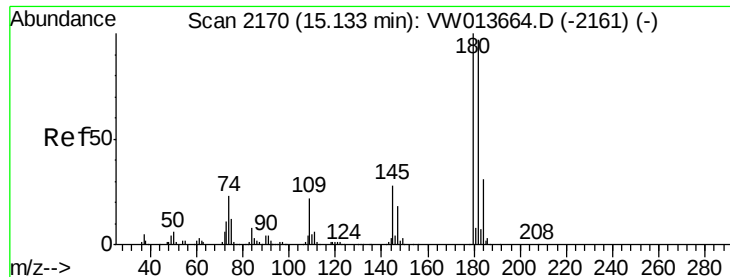
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.015 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013689.D
 Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	51.9	155.7
157	136.1	64.8	194.3





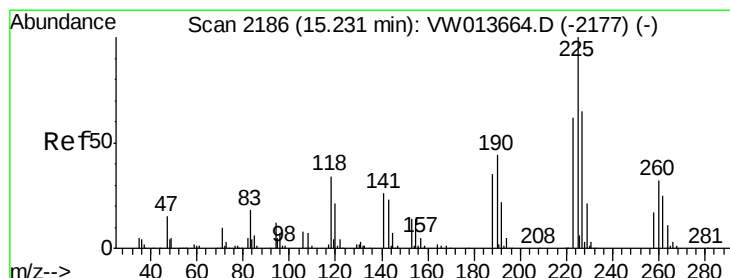
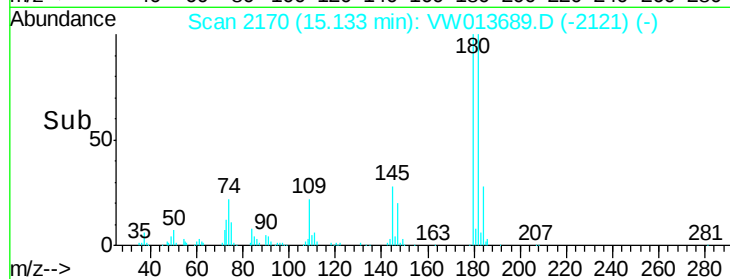
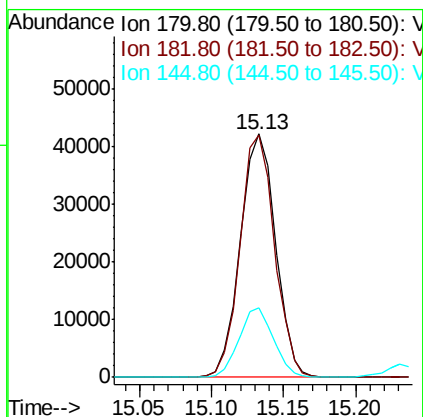
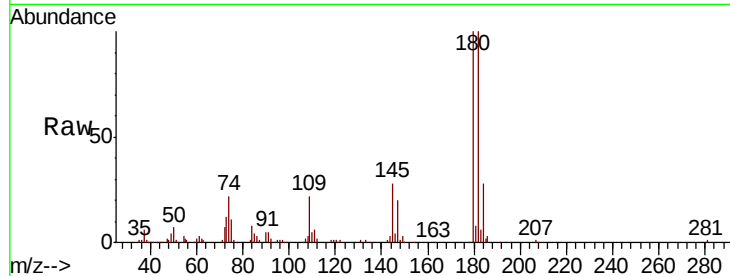
#93
1,2,4-Trichlorobenzene
Concen: 19.892 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.4	142.2
145	27.9	14.1	42.3

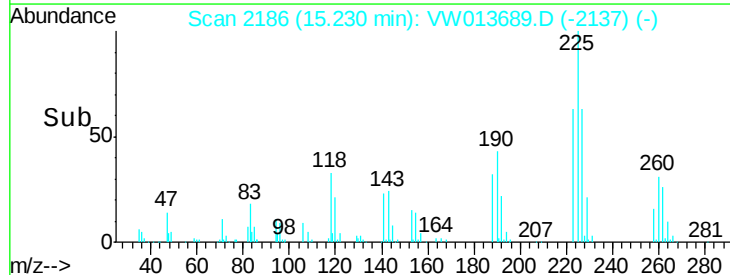
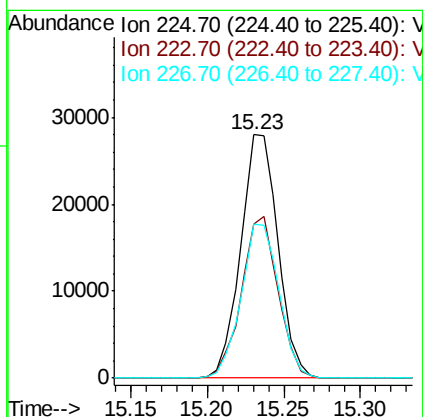
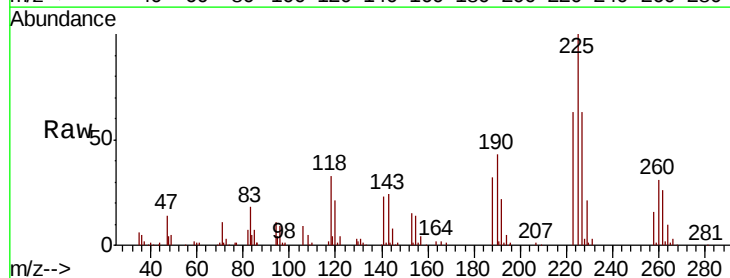
Manual Integrations
APPROVED

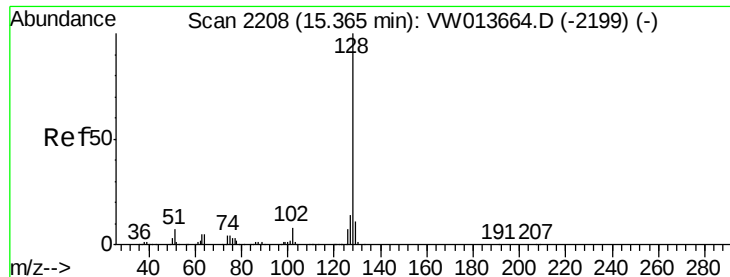
MMDadoda
10/24/2019 1:25:47 PM



#94
Hexachlorobutadiene
Concen: 19.531 ug/l
RT: 15.23 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.9	95.9
227	64.4	32.5	97.4





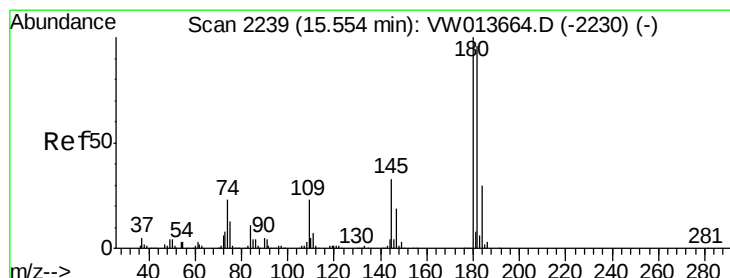
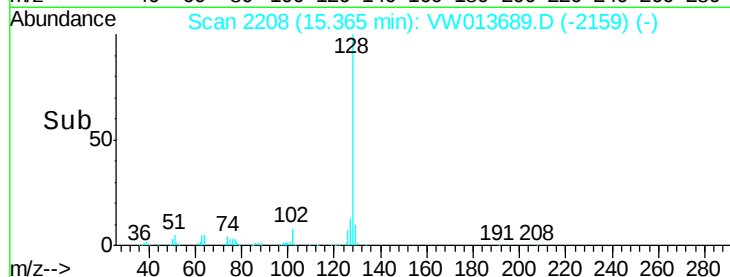
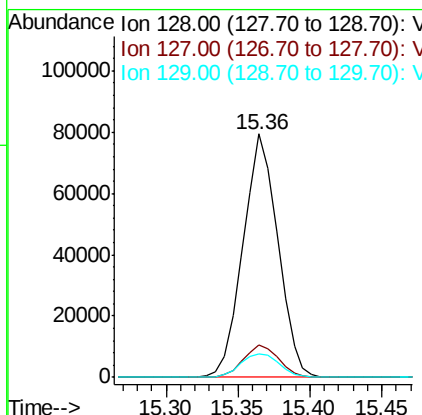
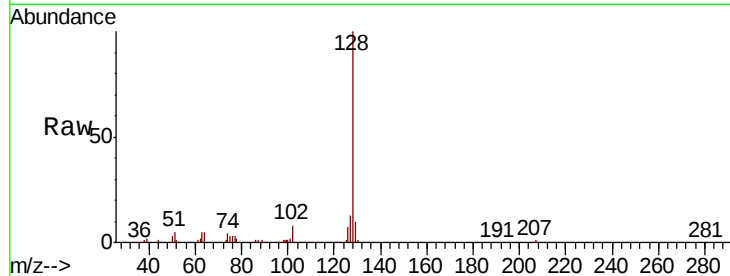
#95
Naphthalene
Concen: 23.599 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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10/24/2019 1:25:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.191 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013689.D
Acq: 24 Oct 2019 02:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	29.8	14.9	44.9

