

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:48 AM

Quant Time: Sep 20 15:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	457092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	291216	89.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.32%	
35) Dibromofluoromethane	7.88	113	287802	101.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.66%	
50) Toluene-d8	10.32	98	1205184	108.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.28%	
62) 4-Bromofluorobenzene	12.62	95	413902	103.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	211292	128.595	ug/l	96
3) Chloromethane	2.21	50	245330	117.163	ug/l	99
4) Vinyl Chloride	2.36	62	336864	123.088	ug/l	98
5) Bromomethane	2.77	94	210918	124.220	ug/l	93
6) Chloroethane	2.92	64	200781	120.246	ug/l	98
7) Trichlorofluoromethane	3.25	101	211076	114.957	ug/l	97
8) Diethyl Ether	3.68	74	170342	116.082	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	320062	112.794	ug/l	99
10) Methyl Iodide	4.27	142	505510	136.251	ug/l	100
11) Tert butyl alcohol	5.20	59	103368m	406.615	ug/l	
12) 1,1-Dichloroethene	4.04	96	336539	127.236	ug/l	99
13) Acrolein	3.89	56	90672	393.783	ug/l	100
14) Allyl chloride	4.67	41	543065	111.968	ug/l	100
15) Acrylonitrile	5.37	53	374872	518.884	ug/l	99
16) Acetone	4.12	43	335757	436.513	ug/l	97
17) Carbon Disulfide	4.38	76	1005829	172.722	ug/l	99
18) Methyl Acetate	4.67	43	183747	96.733	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	515614	103.943	ug/l	100
20) Methylene Chloride	4.92	84	342154	105.000	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	364361	128.223	ug/l	97
22) Diisopropyl ether	6.31	45	1032354	104.060	ug/l	99
23) Vinyl Acetate	6.25	43	3167936	537.024	ug/l	99
24) 1,1-Dichloroethane	6.21	63	611798	105.871	ug/l	99
25) 2-Butanone	7.17	43	494375	473.589	ug/l	97
26) 2,2-Dichloropropane	7.16	77	366908	90.961	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	387221	116.432	ug/l	99
28) Bromochloromethane	7.51	49	250393	103.435	ug/l #	98
29) Tetrahydrofuran	7.53	42	318534	528.415	ug/l	99
30) Chloroform	7.67	83	590142	101.695	ug/l	98
31) Cyclohexane	7.95	56	614803	119.809	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	483814	101.075	ug/l	100
36) 1,1-Dichloropropene	8.08	75	503795	116.887	ug/l	98
37) Ethyl Acetate	7.25	43	220718	100.656	ug/l	99
38) Carbon Tetrachloride	8.07	117	461746	106.880	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	660742	134.480	ug/l	99
40) Benzene	8.32	78	1416864	117.750	ug/l	99
41) Methacrylonitrile	7.48	41	135270	94.673	ug/l	99
42) 1,2-Dichloroethane	8.40	62	379740	97.899	ug/l	100
43) Isopropyl Acetate	8.42	43	429522	102.340	ug/l	99
44) Trichloroethene	9.09	130	394547	118.902	ug/l	98
45) 1,2-Dichloropropane	9.37	63	347299	110.653	ug/l	98
46) Dibromomethane	9.46	93	170461	113.087	ug/l	99
47) Bromodichloromethane	9.64	83	441235	106.167	ug/l	97
48) Methyl methacrylate	9.43	41	220070	111.479	ug/l	94
49) 1,4-Dioxane	9.46	88	51070	2114.995	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	1083790	502.276	ug/l	100
52) Toluene	10.38	92	914038	119.427	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	472467	112.425	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	564732	116.389	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	254463	111.189	ug/l	98
56) Ethyl methacrylate	10.65	69	357002	116.582	ug/l	99
57) 1,3-Dichloropropane	10.93	76	441021	108.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	803707	496.115	ug/l	100
59) 2-Hexanone	10.97	43	760254	508.676	ug/l	100
60) Dibromochloromethane	11.13	129	301790	110.407	ug/l	100
61) 1,2-Dibromoethane	11.24	107	243454	116.245	ug/l	99
64) Tetrachloroethene	10.86	164	343861	121.052	ug/l	96
65) Chlorobenzene	11.66	112	952747	114.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	338387	107.917	ug/l	99
67) Ethyl Benzene	11.73	91	1745841	113.632	ug/l	99
68) m/p-Xylenes	11.84	106	1329230	234.773	ug/l	100
69) o-Xylene	12.16	106	620290	117.192	ug/l	98
70) Styrene	12.18	104	1073044	114.400	ug/l	99
71) Bromoform	12.35	173	181859	111.009	ug/l #	100
73) Isopropylbenzene	12.46	105	1713236	112.131	ug/l	100
74) N-amyl acetate	12.27	43	398444	104.020	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	282814	107.086	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	184657m	93.291	ug/l	
77) Bromobenzene	12.74	156	401456	112.784	ug/l	98
78) n-propylbenzene	12.80	91	2002805	111.510	ug/l	100
79) 2-Chlorotoluene	12.89	91	1112397	108.108	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1435571	110.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	99829	114.127	ug/l	95
82) 4-Chlorotoluene	12.99	91	1166490	108.017	ug/l	100
83) tert-Butylbenzene	13.21	119	1250377	108.512	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1410432	110.346	ug/l	99
85) sec-Butylbenzene	13.38	105	1720034	109.222	ug/l	99
86) p-Isopropyltoluene	13.50	119	1590959	109.870	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	768489	109.954	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	755101	110.204	ug/l	99
89) n-Butylbenzene	13.82	91	1479658	108.928	ug/l	100
90) Hexachloroethane	14.09	117	280988	109.143	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	667208	108.837	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	44338	93.336	ug/l	96

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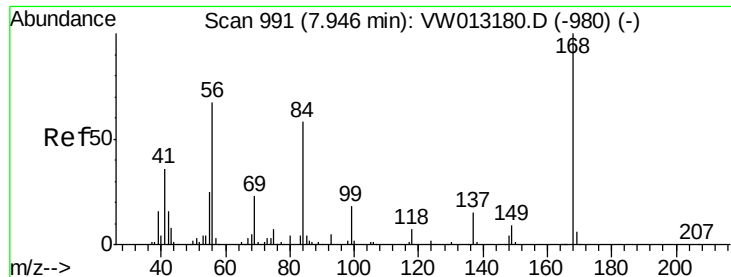
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	502586	114.728	ug/l	99
94) Hexachlorobutadiene	15.24	225	316706	102.642	ug/l	100
95) Naphthalene	15.36	128	864609	119.052	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	435087	112.728	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: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 362991

Ion Ratio Lower Upper

168 100

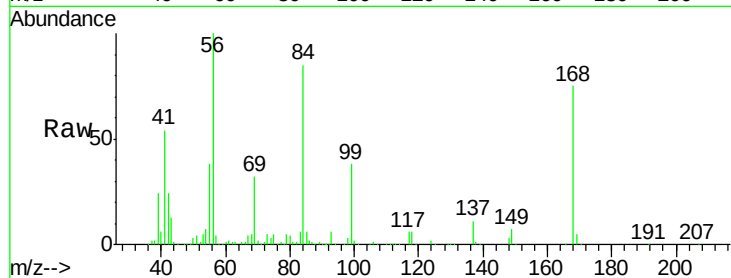
99 50.0 40.2 60.4

Manual Integrations

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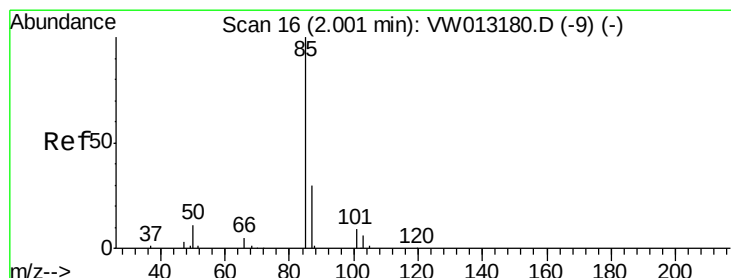
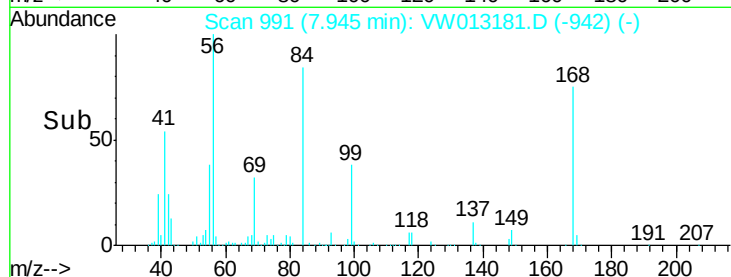
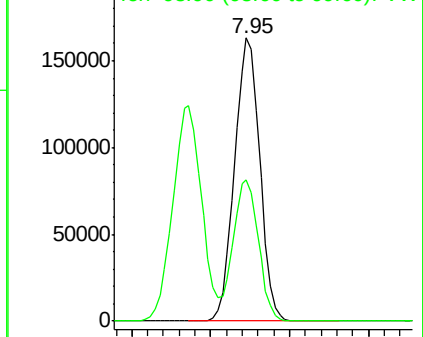
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 128.595 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013181.D

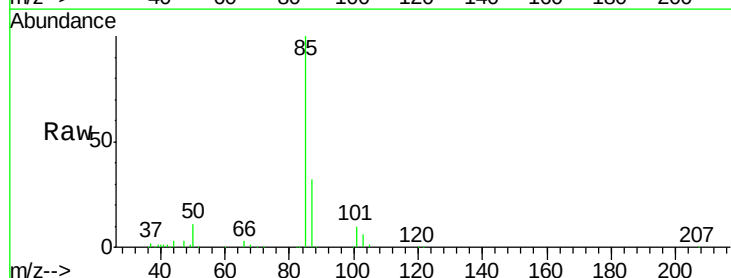
Acq: 20 Sep 2019 14:27

Tgt Ion: 85 Resp: 211292

Ion Ratio Lower Upper

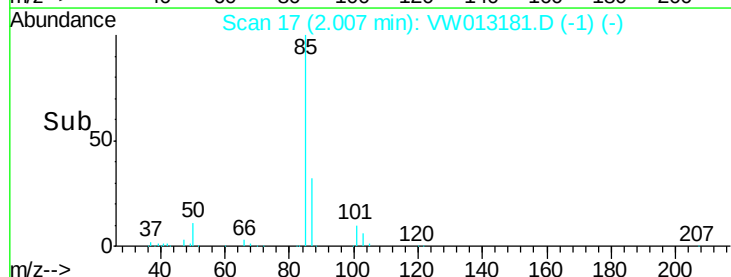
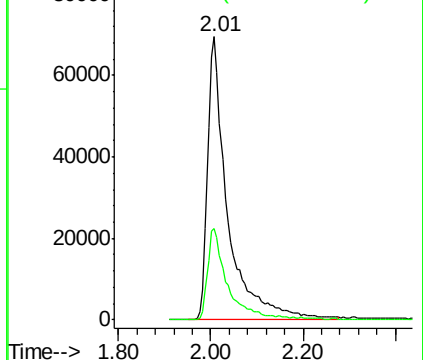
85 100

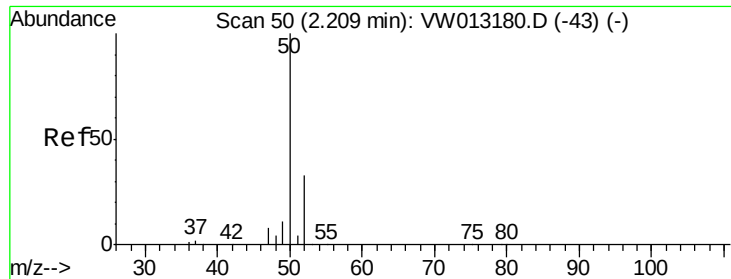
87 32.4 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 117.163 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 245330

Ion Ratio Lower Upper

50 100

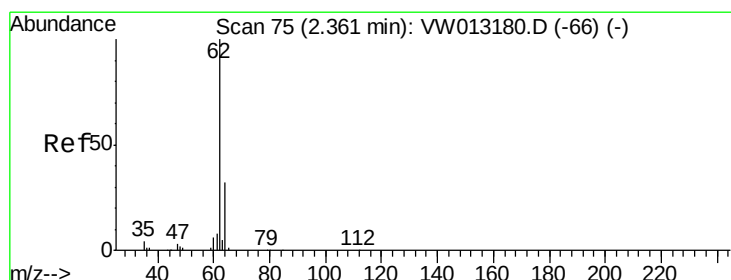
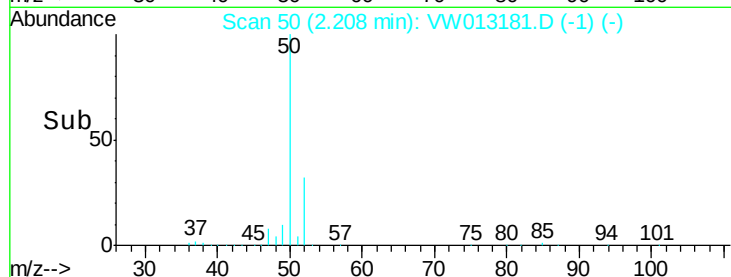
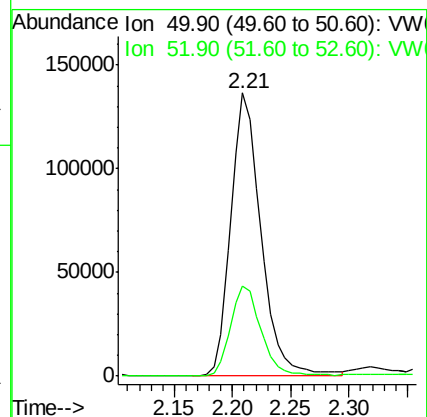
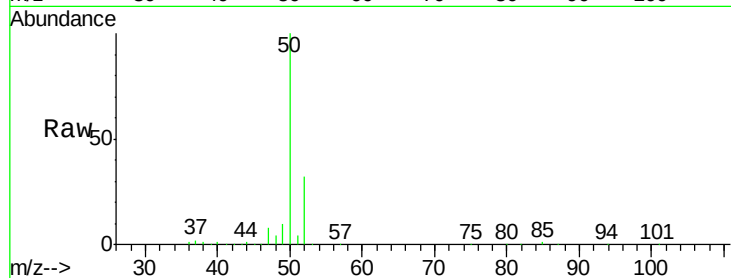
52 32.0 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 123.088 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013181.D

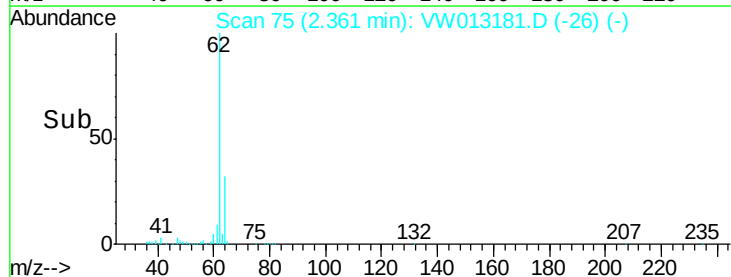
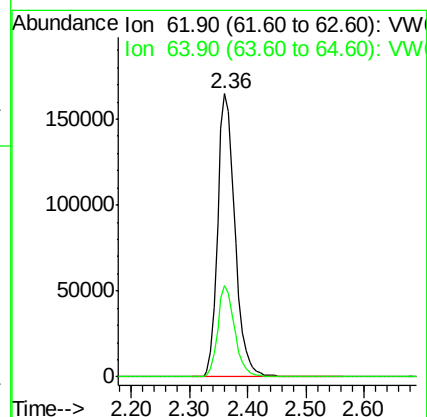
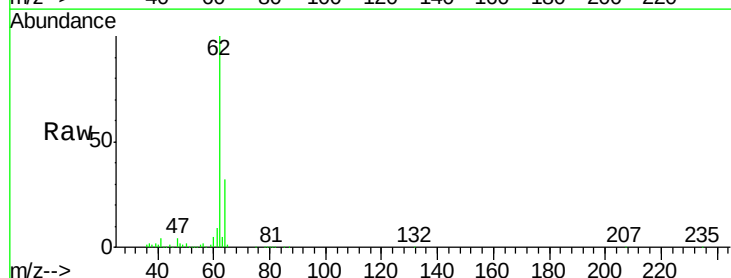
Acq: 20 Sep 2019 14:27

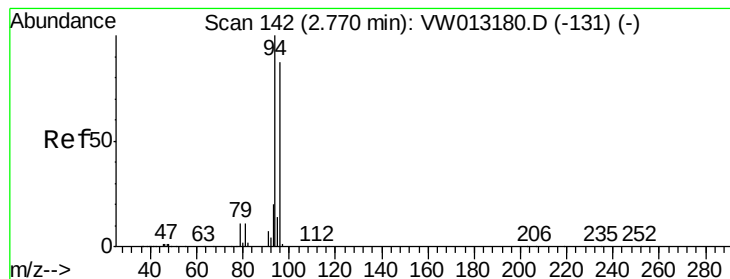
Tgt Ion: 62 Resp: 336864

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 124.220 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 210918

Ion Ratio Lower Upper

94 100

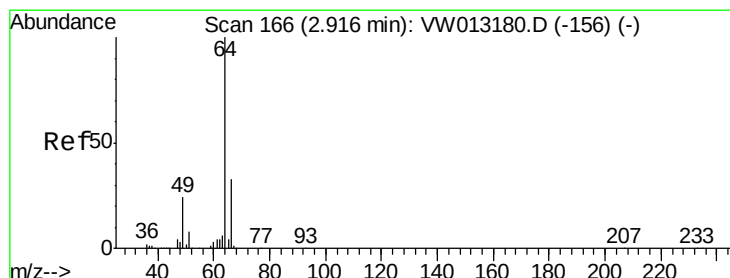
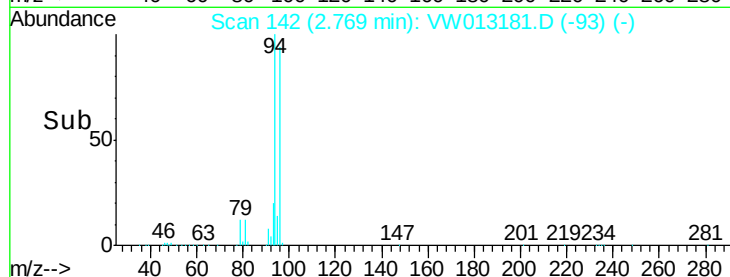
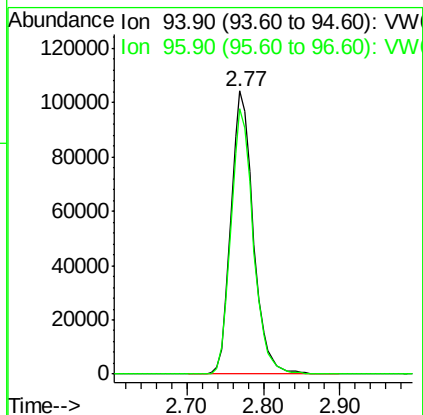
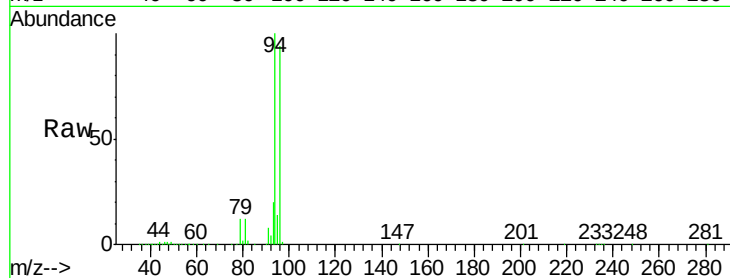
96 93.6 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 120.246 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013181.D

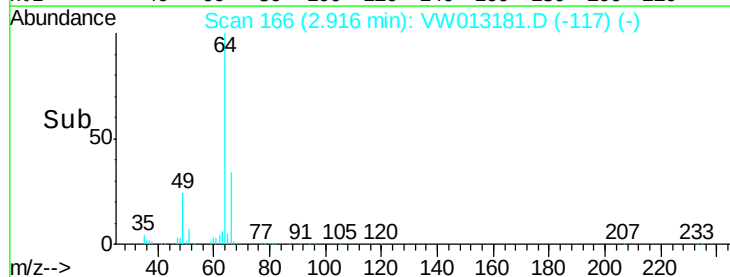
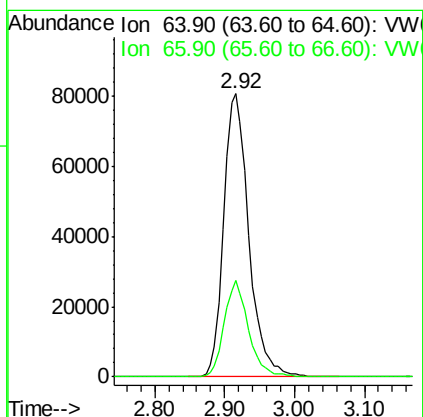
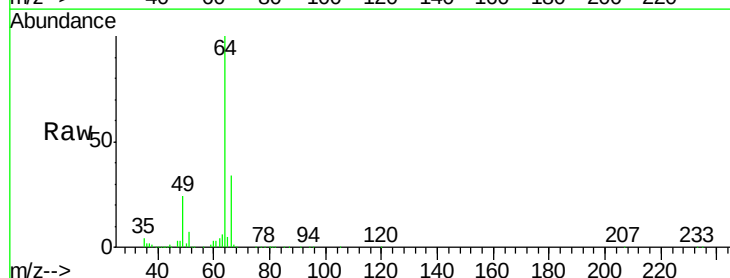
Acq: 20 Sep 2019 14:27

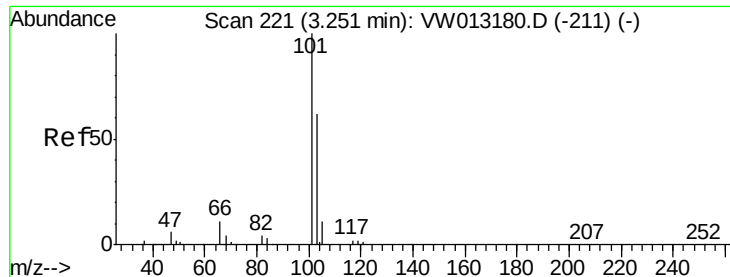
Tgt Ion: 64 Resp: 200781

Ion Ratio Lower Upper

64 100

66 34.3 26.6 39.8





#7

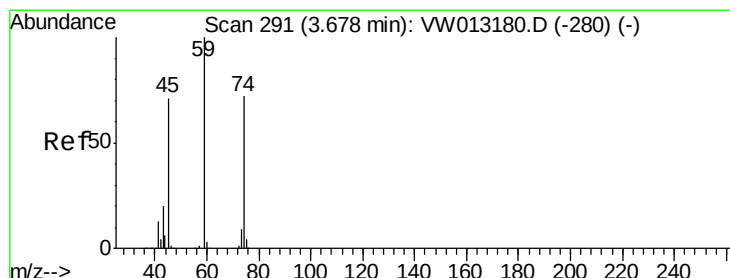
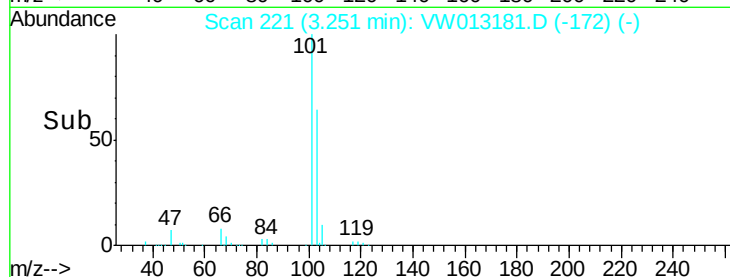
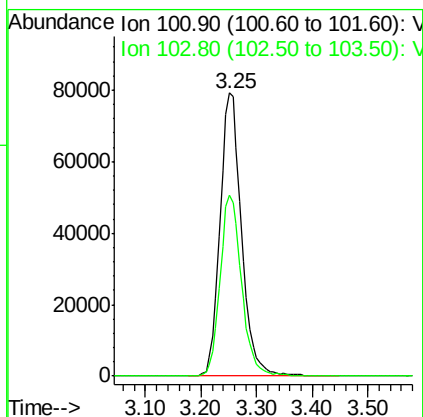
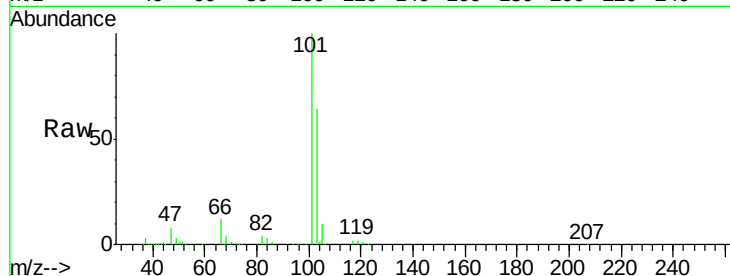
Trichlorofluoromethane
Concen: 114.957 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	49.7	74.5

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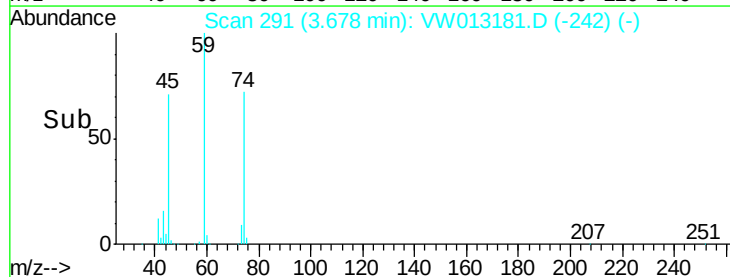
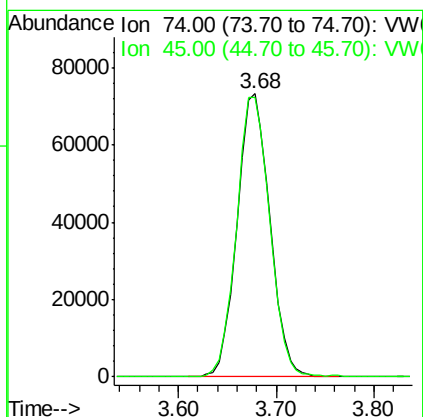
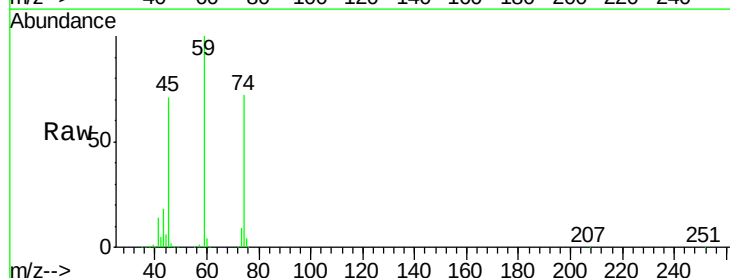
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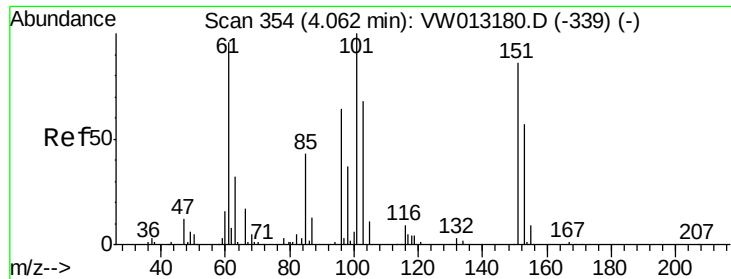


#8

Diethyl Ether
Concen: 116.082 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 112.794 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

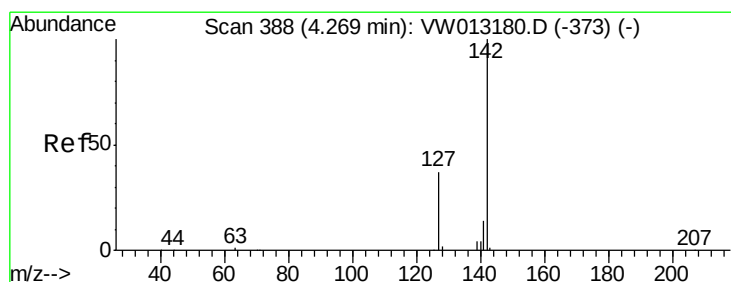
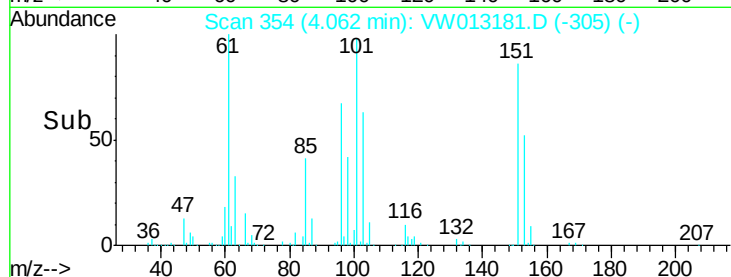
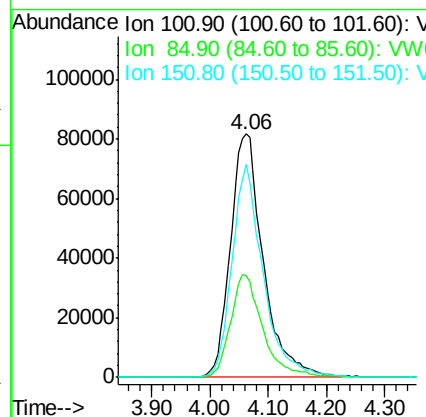
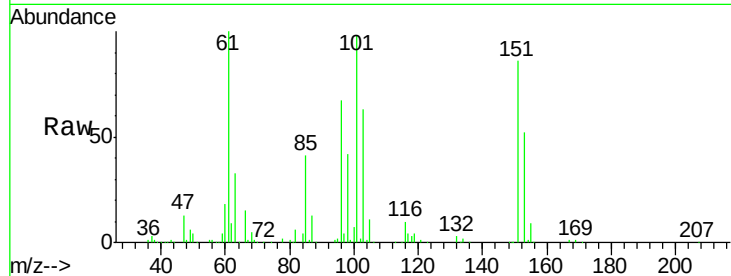
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	320062
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.4	50.0
151	83.1	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 136.251 ug/l

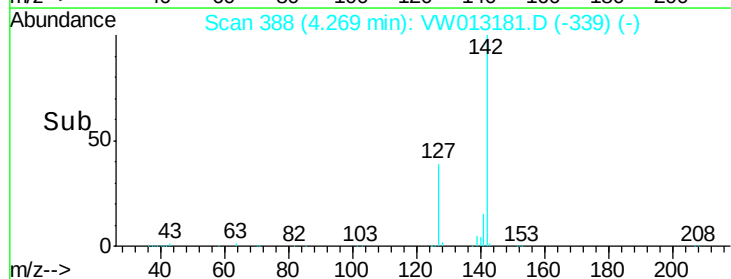
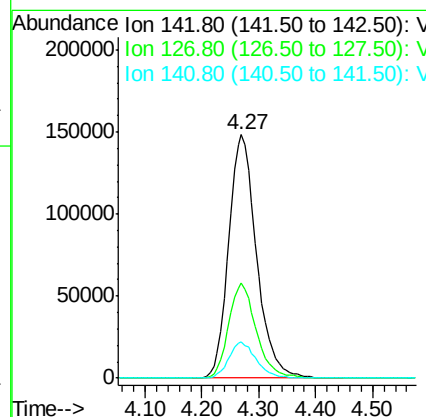
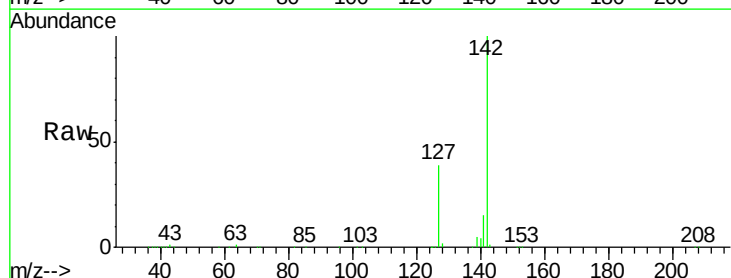
RT: 4.27 min Scan# 388

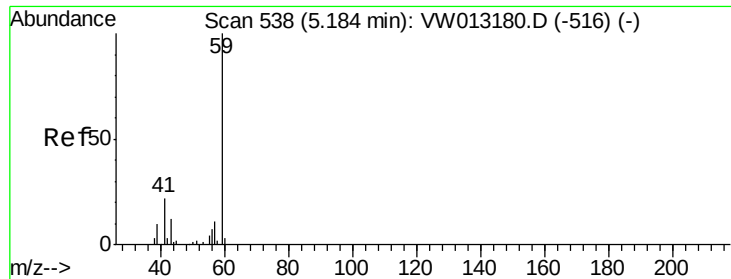
Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion:	142	Resp:	505510
Ion Ratio	Lower	Upper	
142	100		
127	38.7	30.9	46.3
141	14.7	11.7	17.5





#11

Tert butyl alcohol

Concen: 406.615 ug/l m

RT: 5.20 min Scan# 540

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tot Ion: 59 Resp: 103368

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.2

Instrument :

MSVOA_W

ClientSampleId :

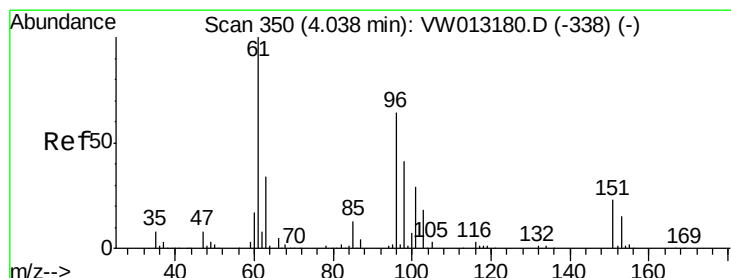
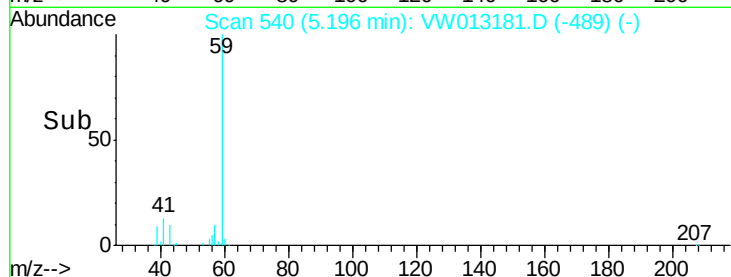
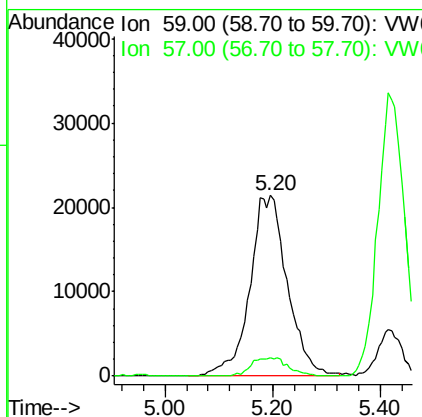
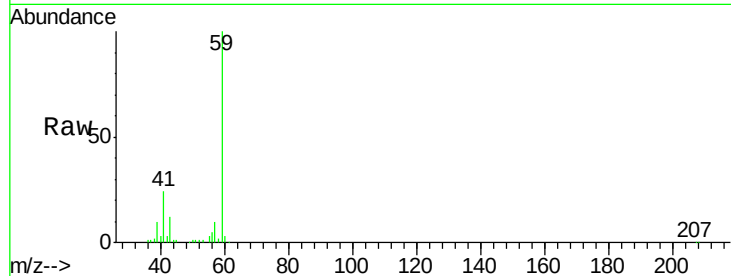
VSTDICC100

Manual Integrations

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9/24/2019 5:28:48 AM



#12

1,1-Dichloroethene

Concen: 127.236 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

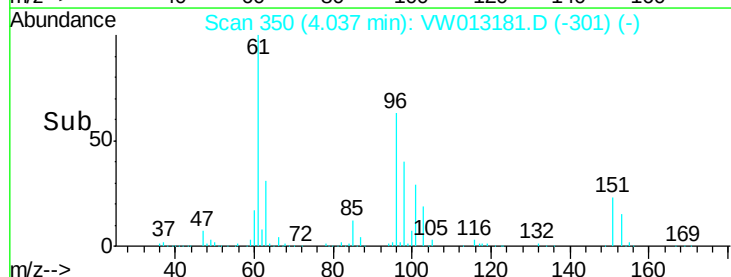
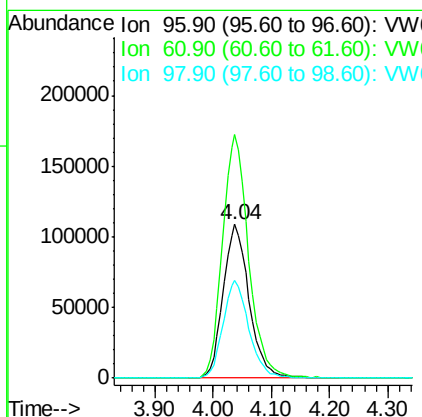
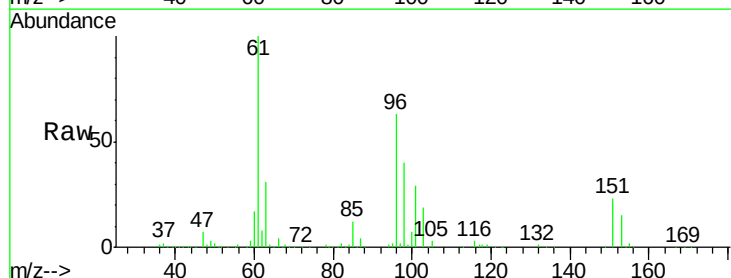
Tgt Ion: 96 Resp: 336539

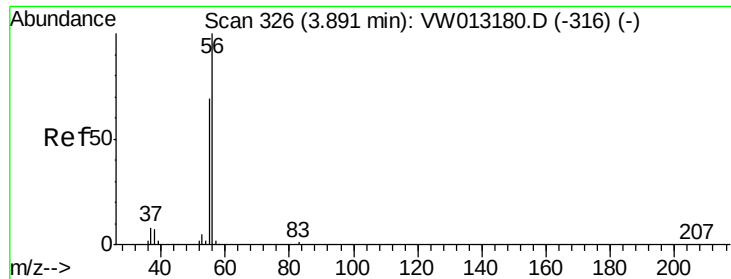
Ion Ratio Lower Upper

96 100

61 158.5 125.1 187.7

98 63.4 50.8 76.2





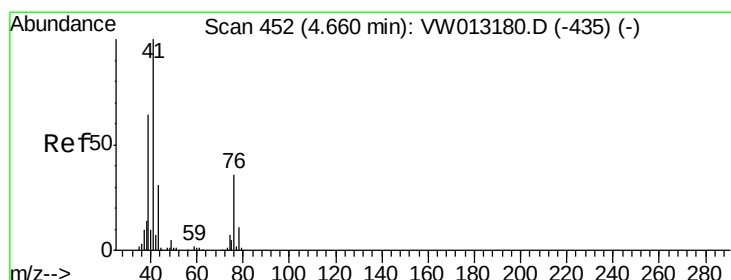
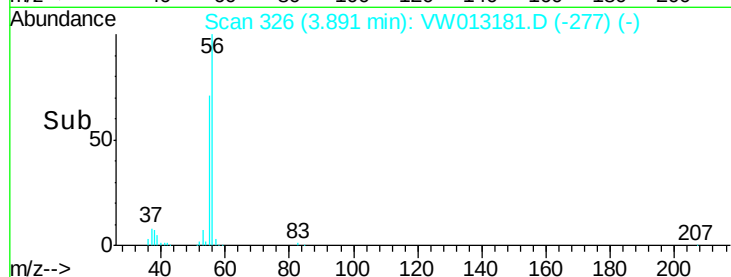
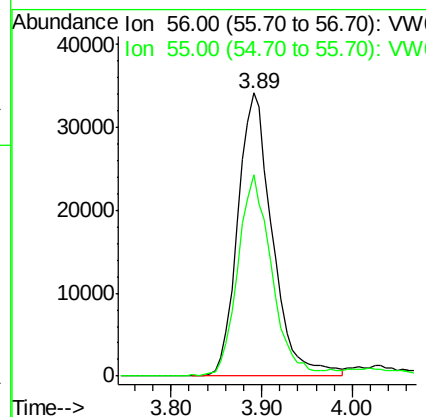
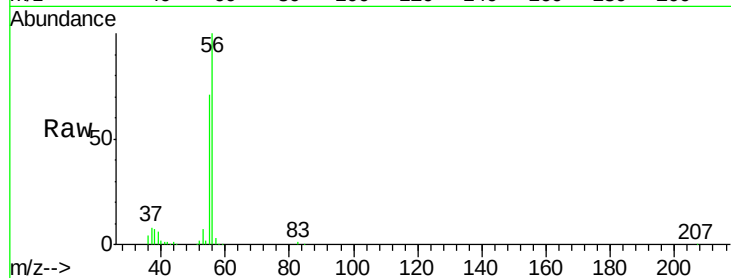
#13
 Acrolein
 Concen: 393.783 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Tot Ion	56	Resp	90672
Ion Ratio	100	Lower	Upper
55	69.5	55.4	83.0

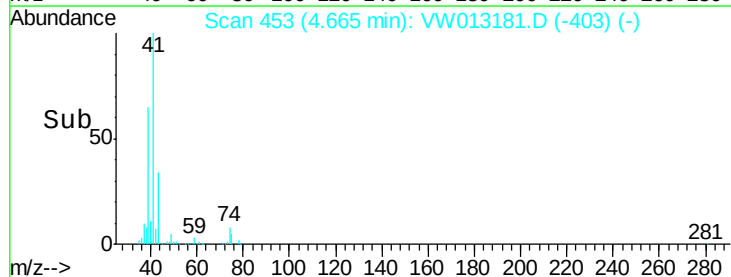
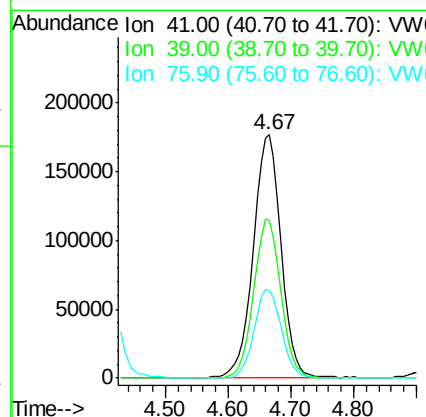
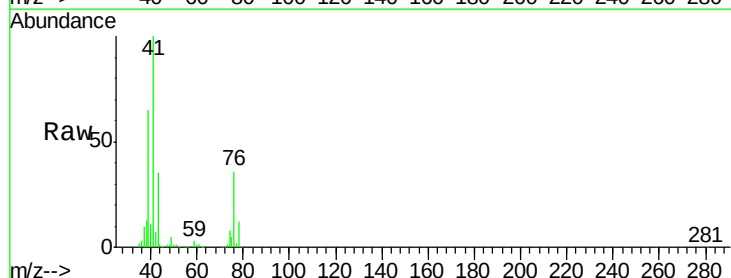
Manual Integrations
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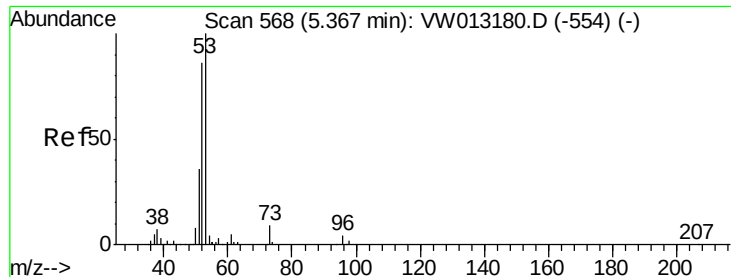
MMDadoda
 9/24/2019 5:28:48 AM



#14
 Allyl chloride
 Concen: 111.968 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	41	Resp	543065
Ion Ratio	100	Lower	Upper
39	63.8	51.0	76.4
76	35.3	28.4	42.6





#15

Acrylonitrile

Concen: 518.884 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

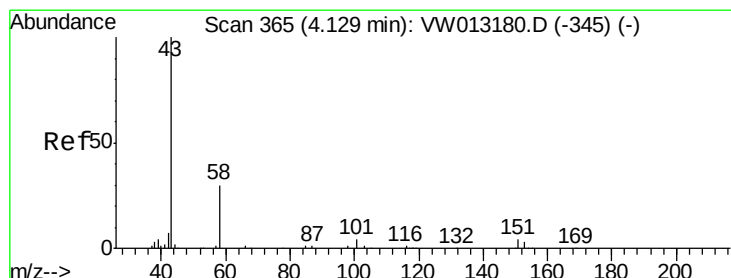
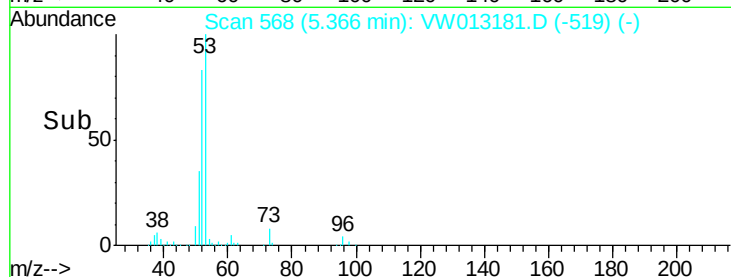
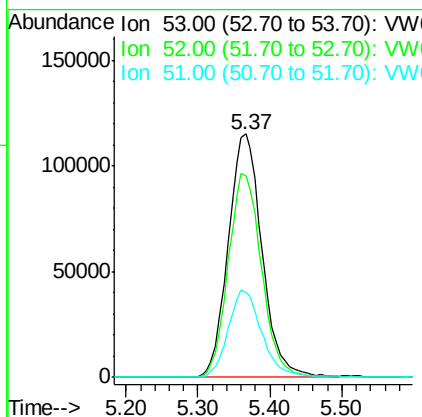
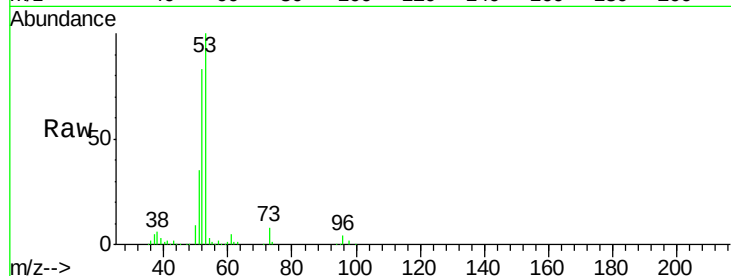
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	374872
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.3	97.9
51	35.7	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 436.513 ug/l

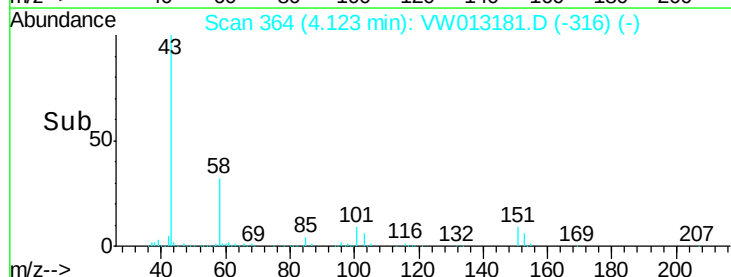
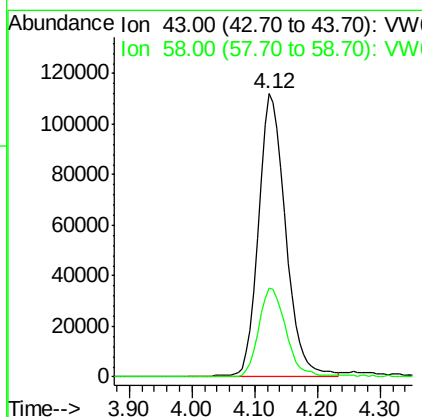
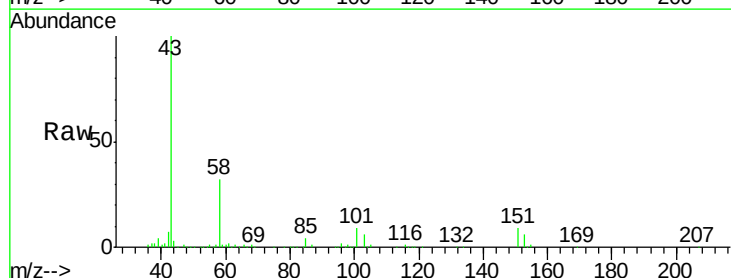
RT: 4.12 min Scan# 364

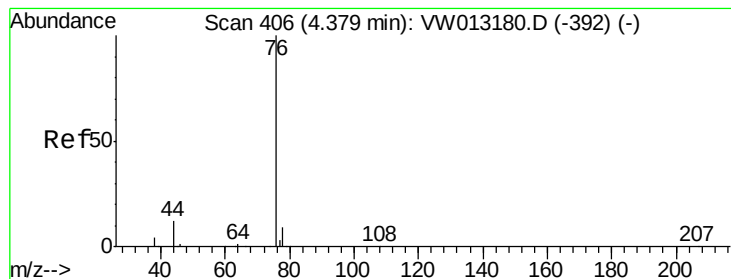
Delta R.T. -0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion:	43	Resp:	335757
Ion Ratio	Lower	Upper	
43	100		
58	31.5	24.1	36.1





#17

Carbon Disulfide

Concen: 172.722 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1005829

Ion Ratio Lower Upper

76 100

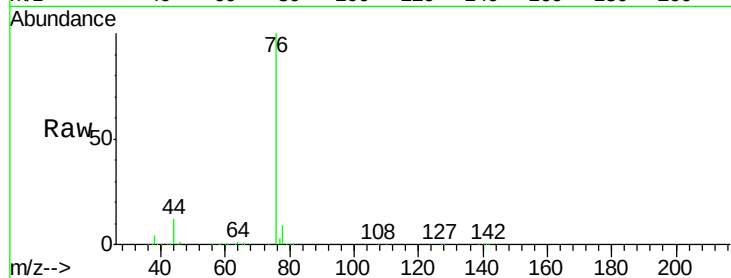
78 9.1 7.0 10.4

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

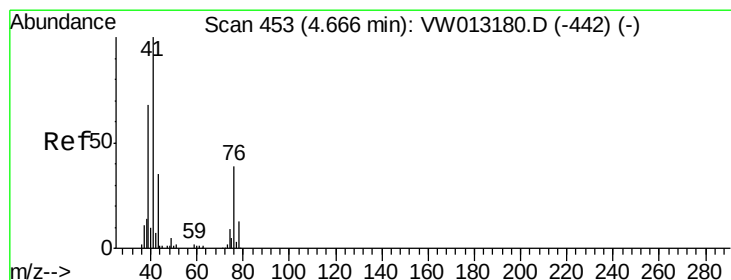
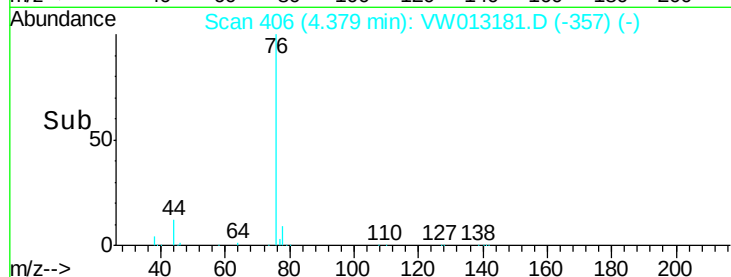
300000

200000

100000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 96.733 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013181.D

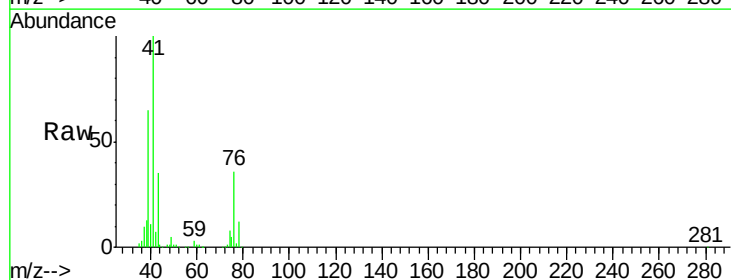
Acq: 20 Sep 2019 14:27

Tgt Ion: 43 Resp: 183747

Ion Ratio Lower Upper

43 100

74 23.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

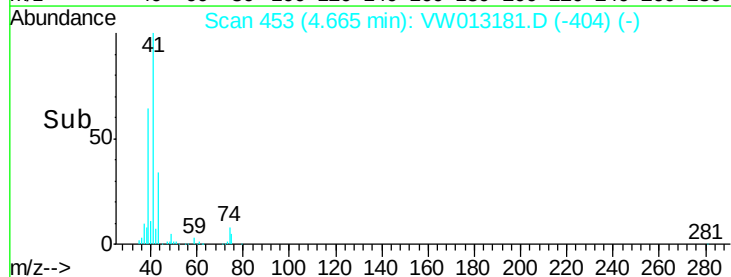
60000

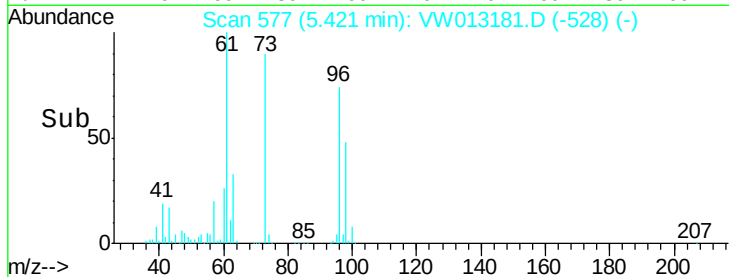
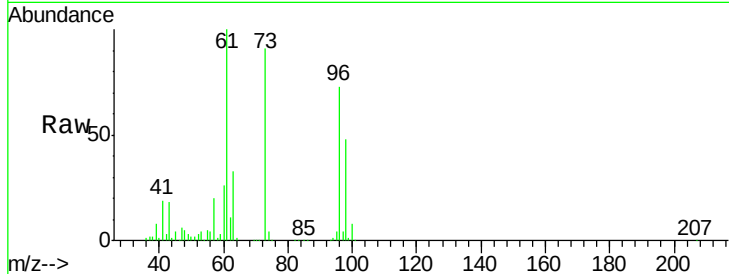
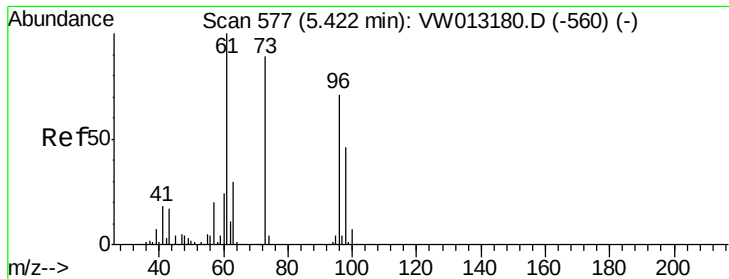
40000

20000

0

Time--> 4.50 4.60 4.70 4.80





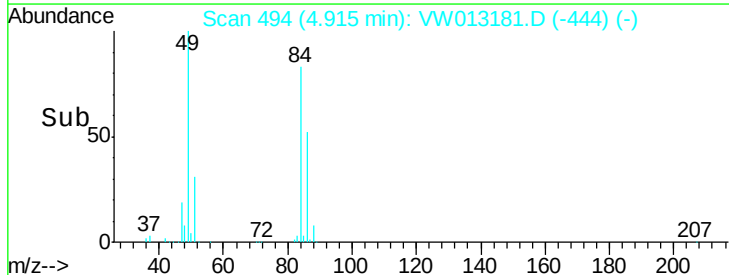
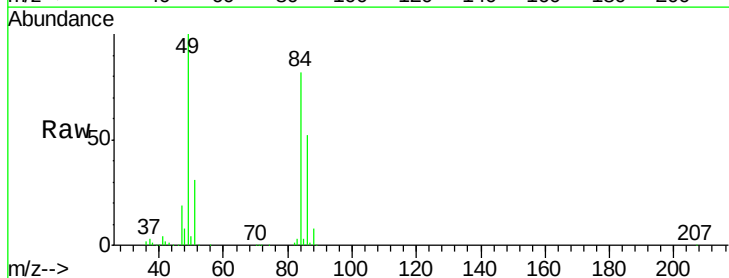
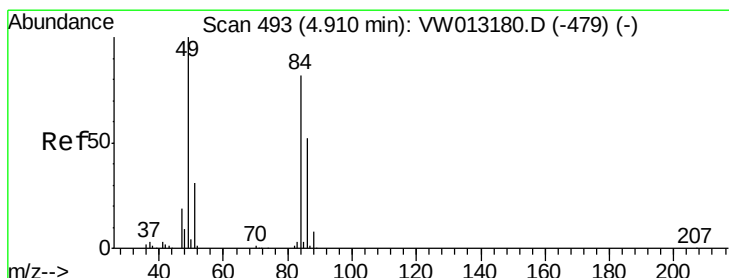
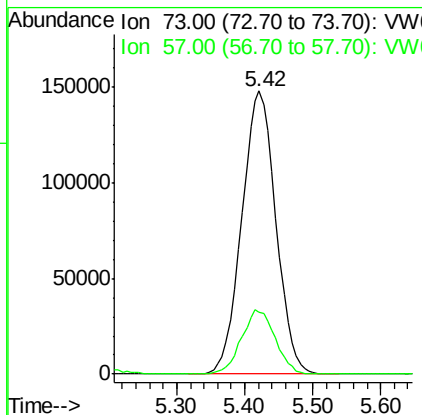
#19
Methyl tert-butyl Ether
Concen: 103.943 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.6	26.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

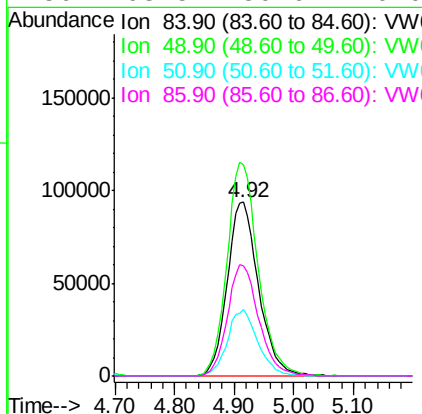
Manual Integrations
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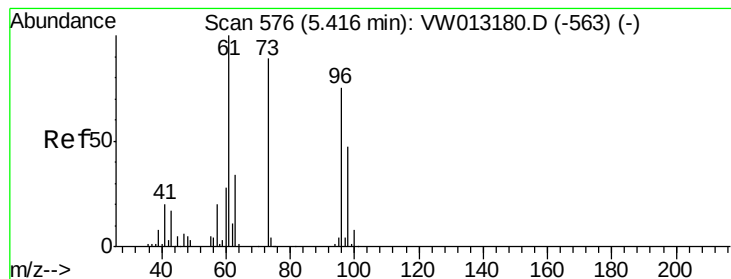
MMDadoda
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#20
Methylene Chloride
Concen: 105.000 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	97.6	146.4
51	38.0	30.2	45.2
86	63.5	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 128.223 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

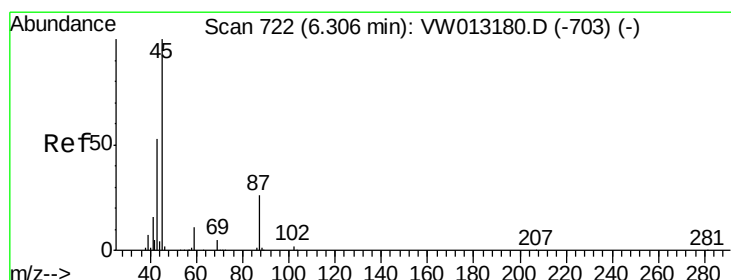
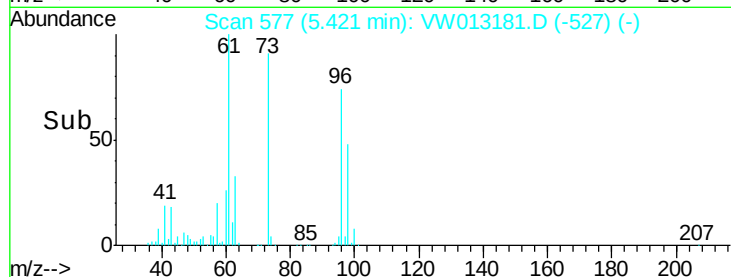
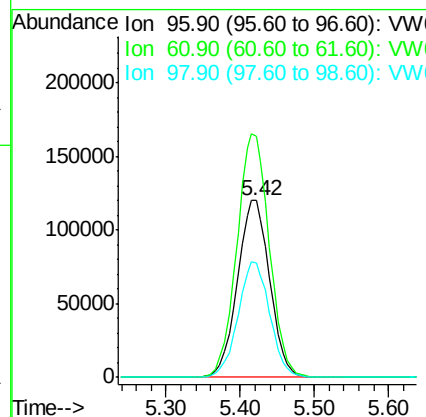
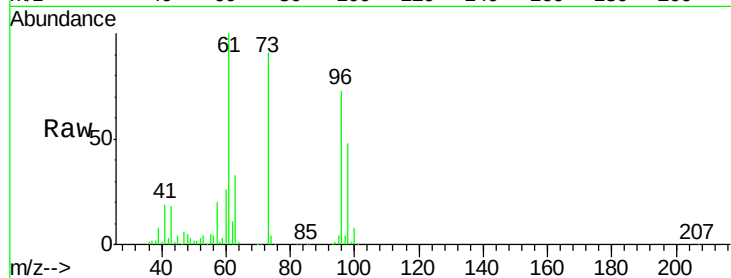
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	364361
Ion	Ratio	Lower	Upper
96	100		
61	136.1	106.6	159.8
98	64.7	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 104.060 ug/l

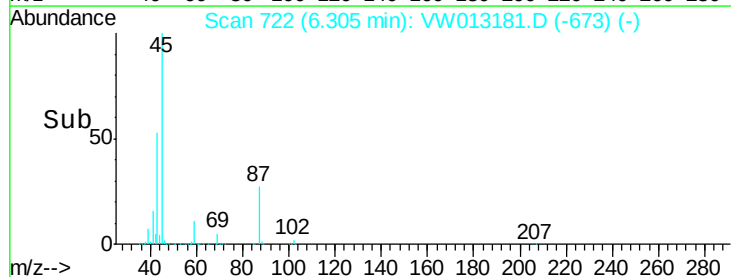
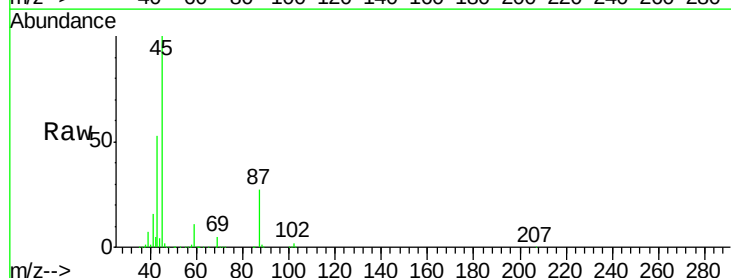
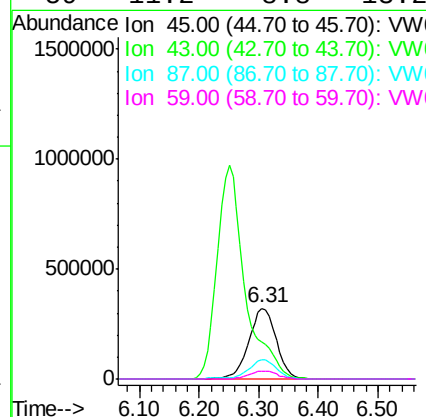
RT: 6.31 min Scan# 722

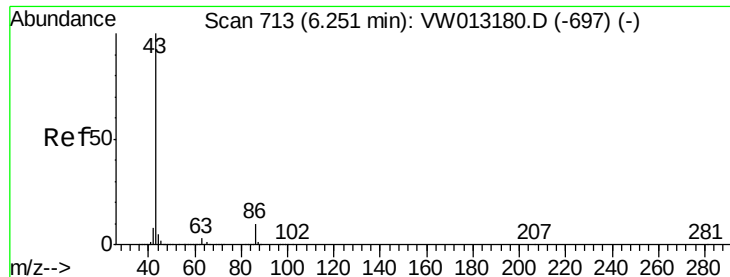
Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion:	45	Resp:	1032354
Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.4	63.6
87	26.8	20.4	30.6
59	11.2	8.8	13.2





#23

Vinyl Acetate

Concen: 537.024 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tot Ion: 43 Resp: 3167936

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5

Instrument :

MSVOA_W

ClientSampled :

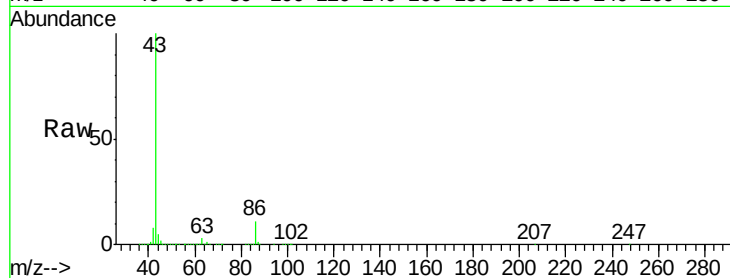
VSTDICC100

Manual Integrations

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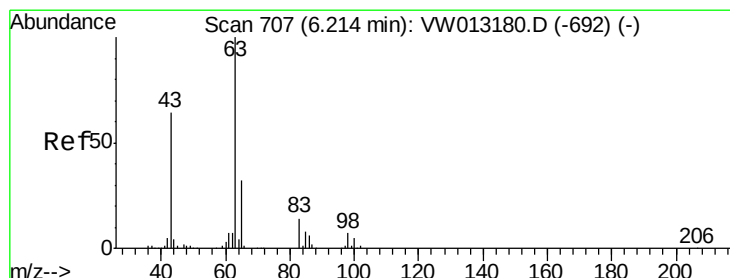
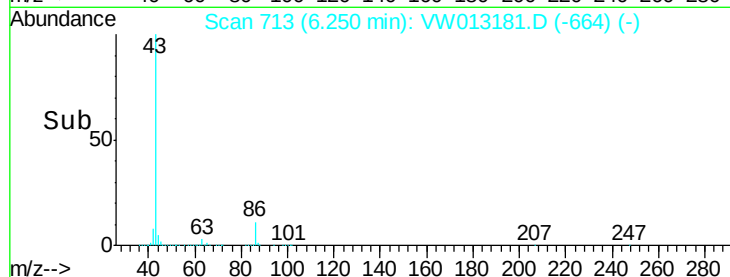
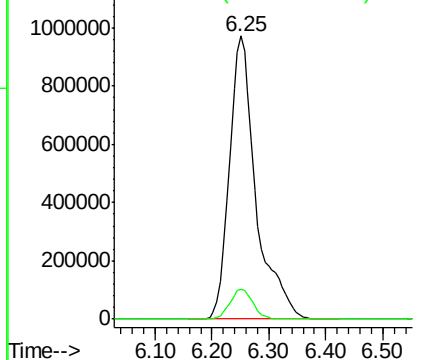
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 105.871 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

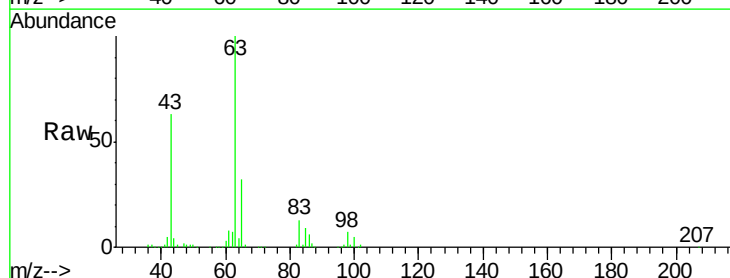
Tgt Ion: 63 Resp: 611798

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

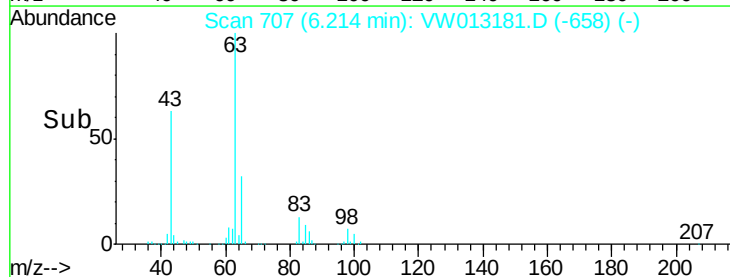
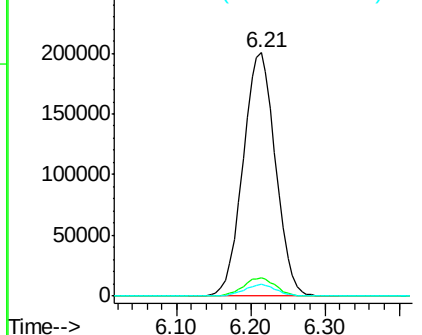
100 4.8 2.4 7.1

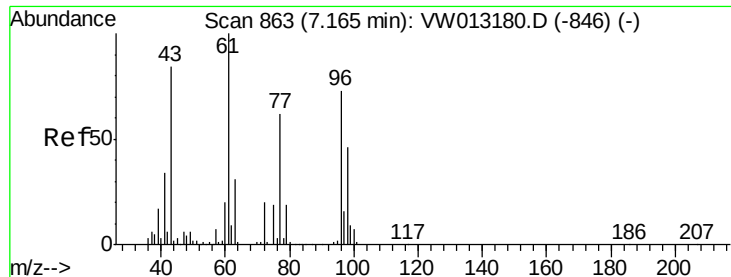


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 473.589 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 494375

Ion Ratio Lower Upper

43 100

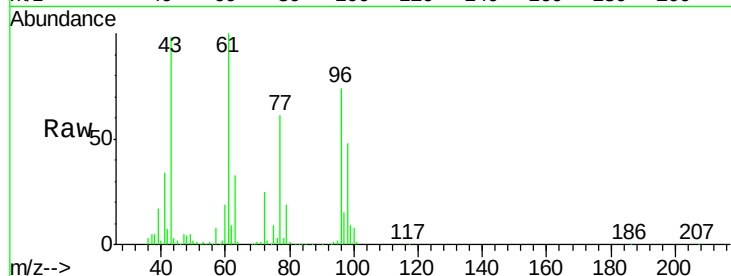
72 25.9 19.4 29.0

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

200000

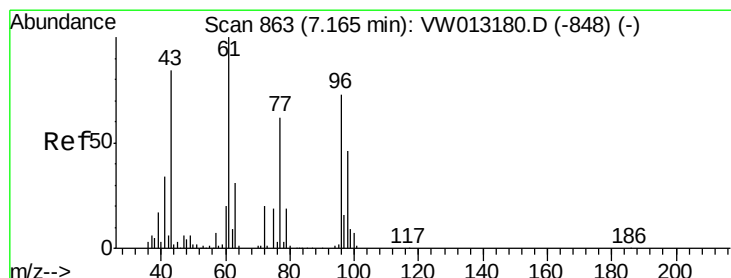
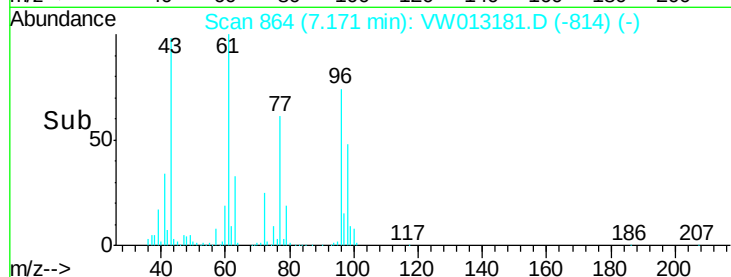
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 90.961 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013181.D

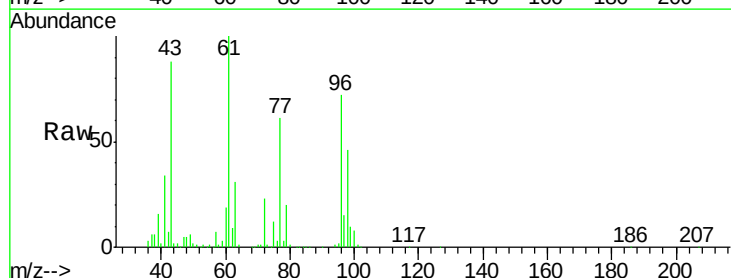
Acq: 20 Sep 2019 14:27

Tgt Ion: 77 Resp: 366908

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

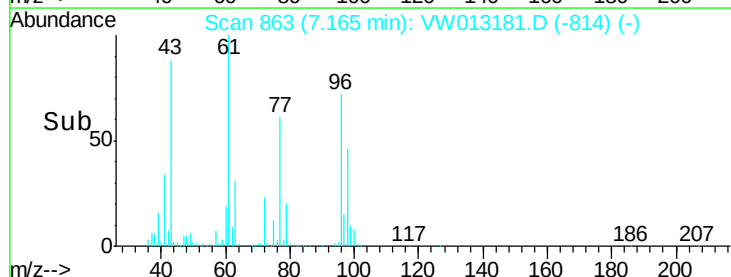
150000

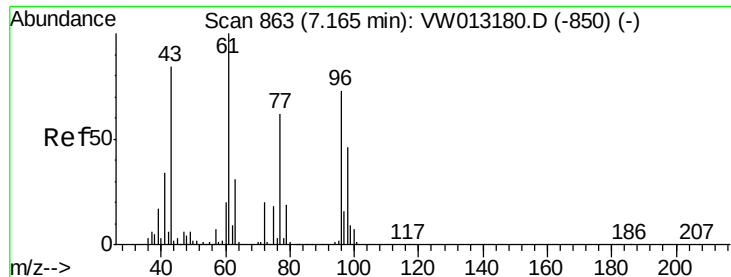
100000

50000

0

Time-->





#27

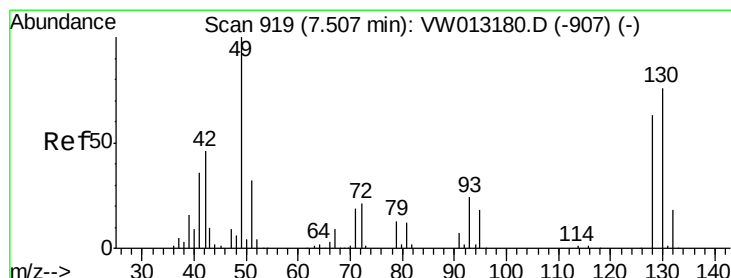
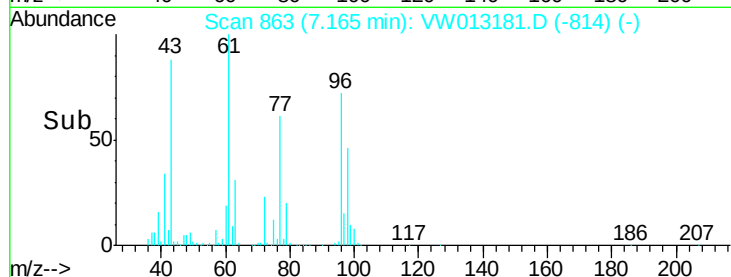
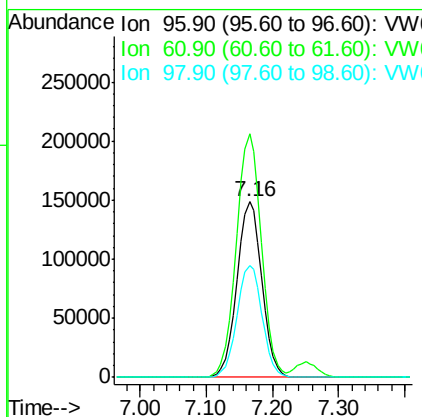
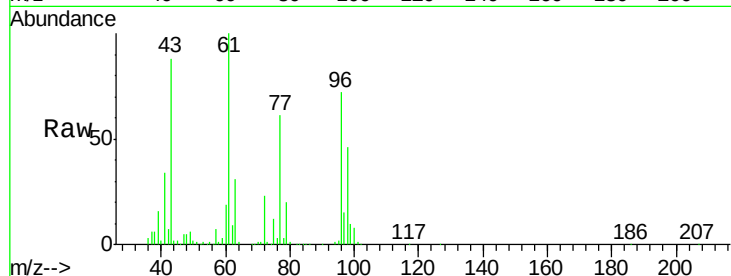
cis-1,2-Dichloroethene
 Concen: 116.432 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	387221		
61	140.0	0.0	282.4	
98	64.4	0.0	128.2	

Manual Integrations
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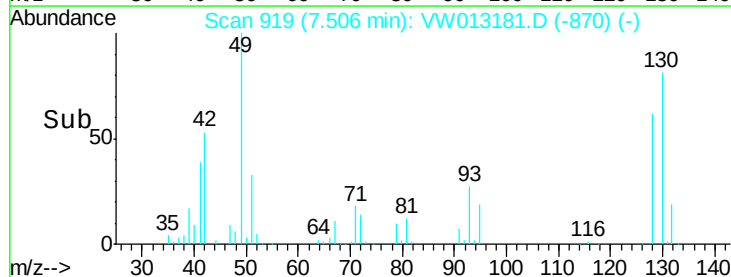
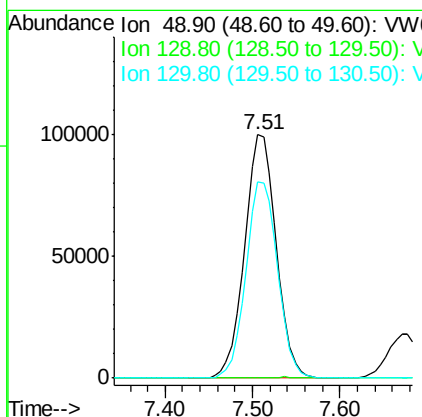
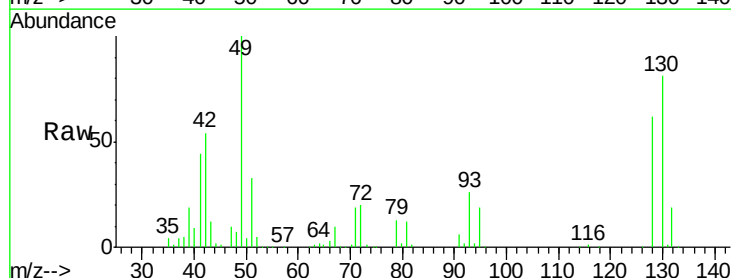
MMDadoda
 9/24/2019 5:28:48 AM

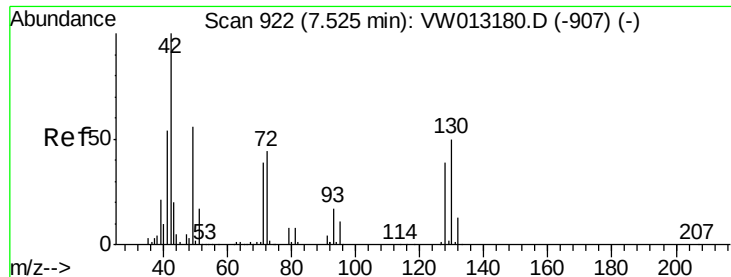


#28

Bromochloromethane
 Concen: 103.435 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	250393		
129	0.0	0.0	1.0	
130	81.1	63.4	95.2	





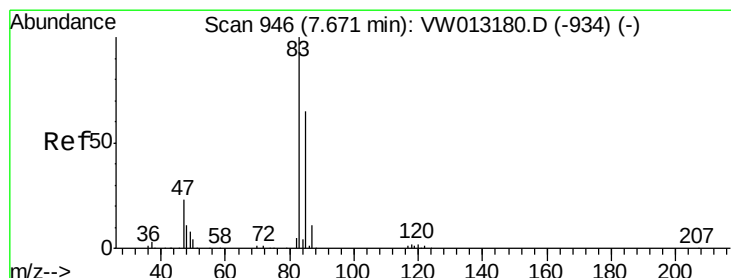
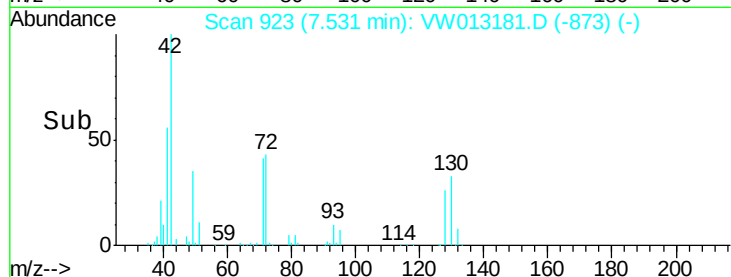
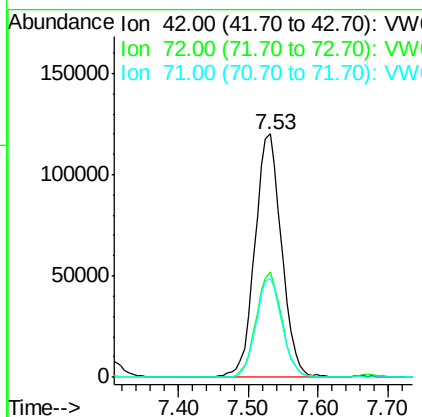
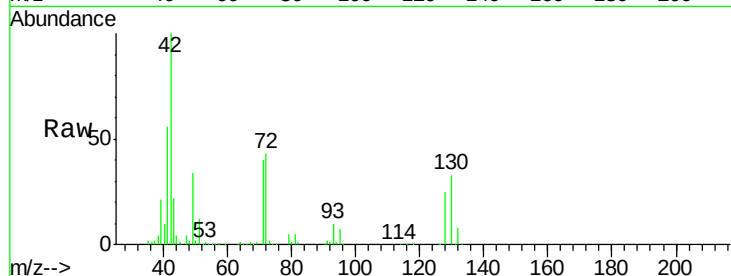
#29
Tetrahydrofuran
Concen: 528.415 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	42	Resp:	318534
Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.9	50.9
71	39.5	31.9	47.9

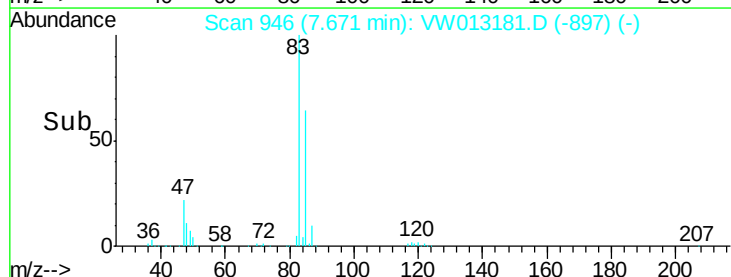
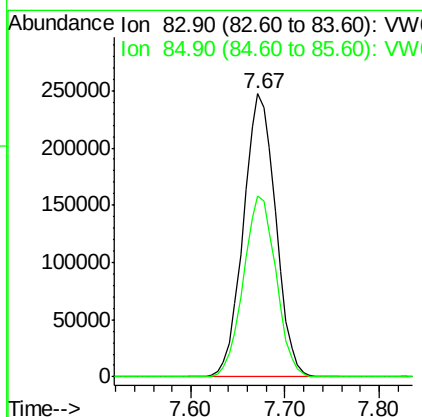
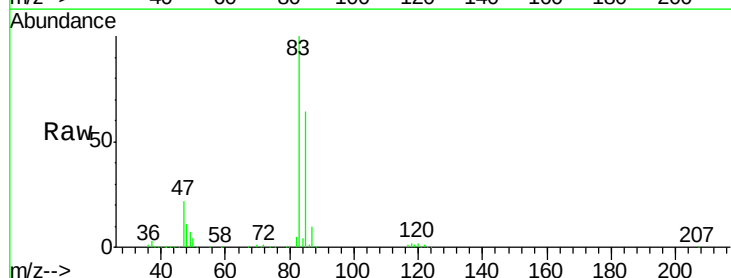
Manual Integrations
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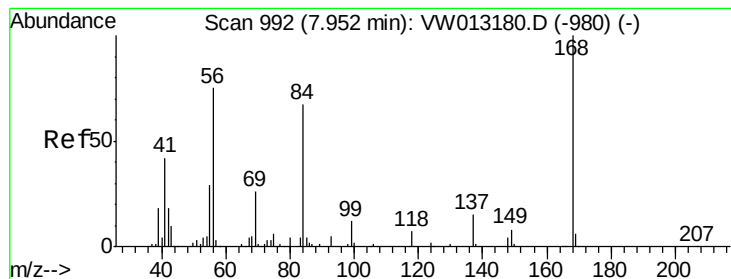
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#30
Chloroform
Concen: 101.695 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion:	83	Resp:	590142
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.3	78.5





#31

Cyclohexane

Concen: 119.809 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

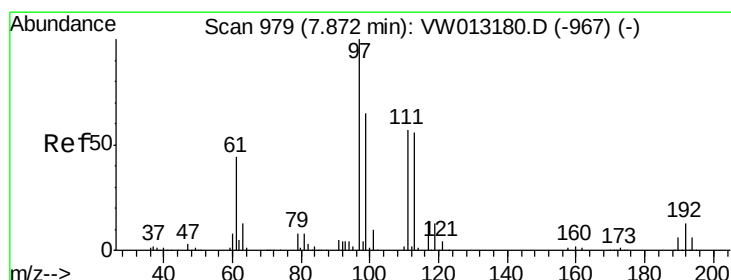
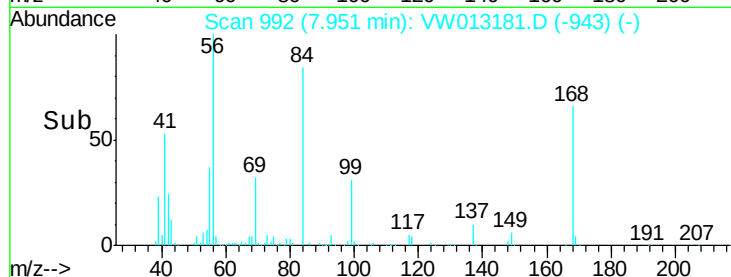
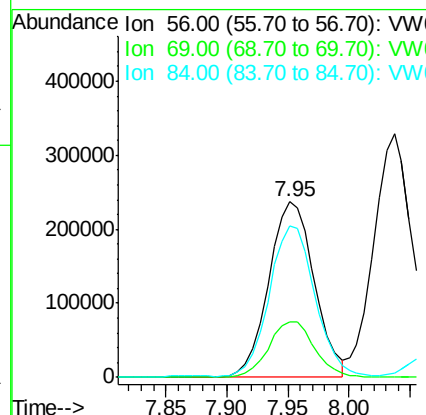
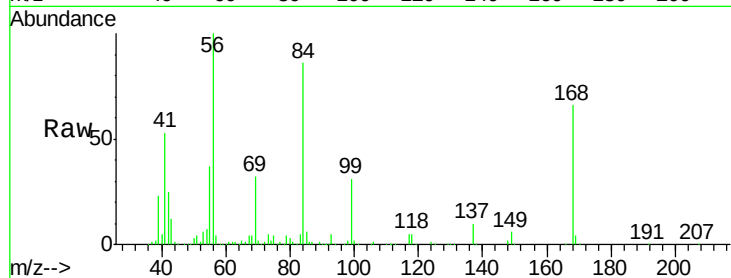
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	614803
Ion Ratio	Lower	Upper	
56	100		
69	31.6	27.2	40.8
84	85.0	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 101.075 ug/l

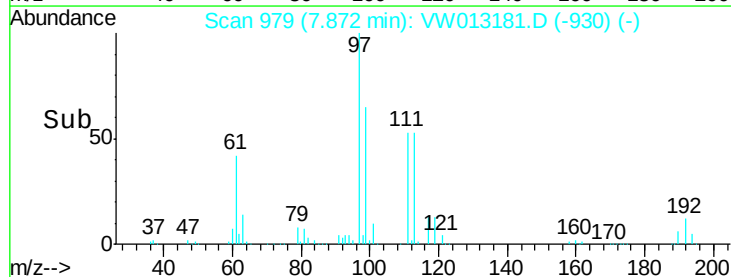
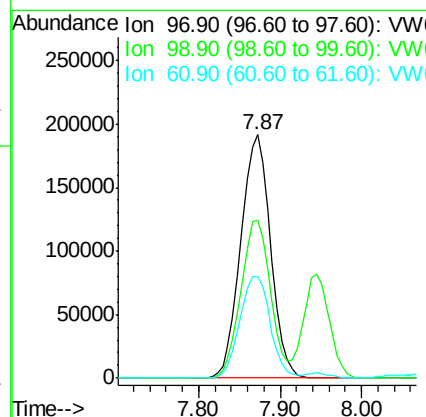
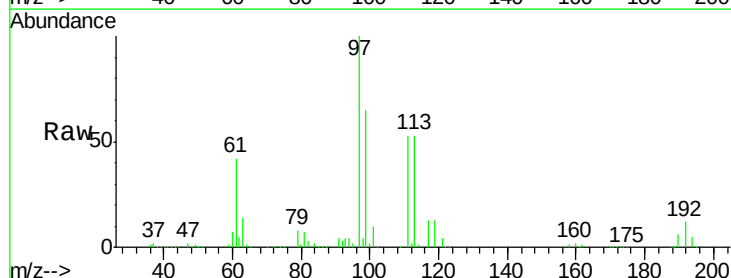
RT: 7.87 min Scan# 979

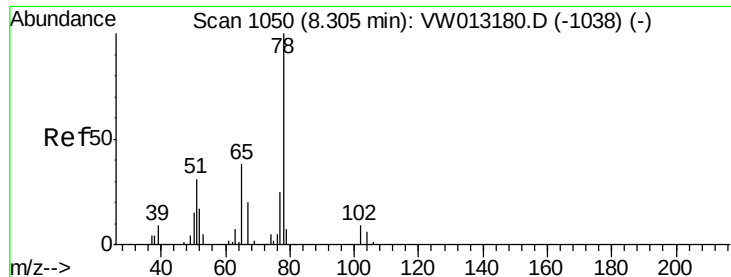
Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion:	97	Resp:	483814
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.7	77.5
61	42.8	34.6	51.8





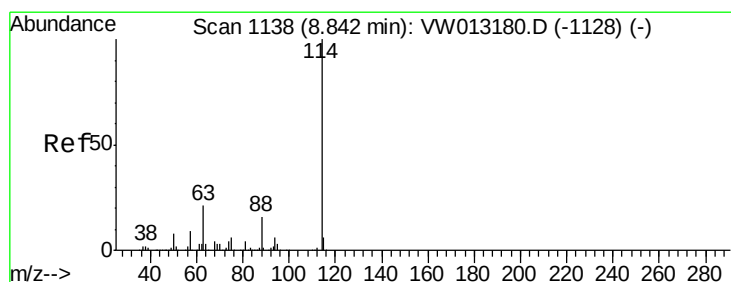
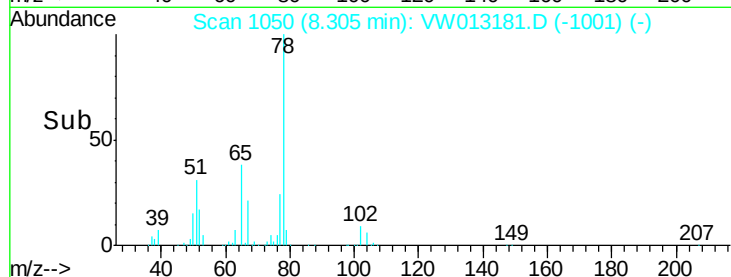
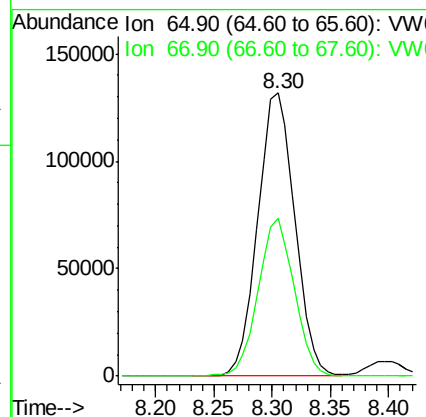
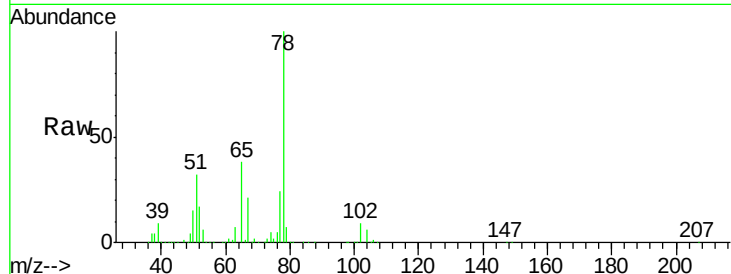
#33
 1,2-Dichloroethane-d4
 Concen: 89.158 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	291216		
67	54.4	0.0	106.2	

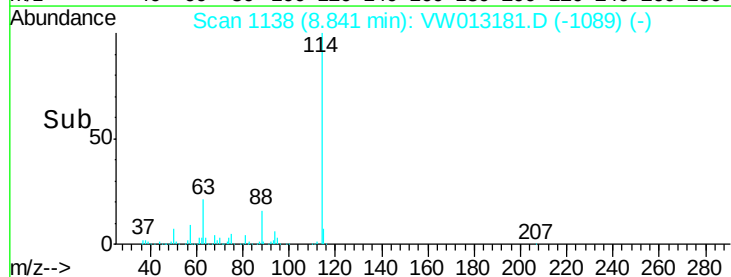
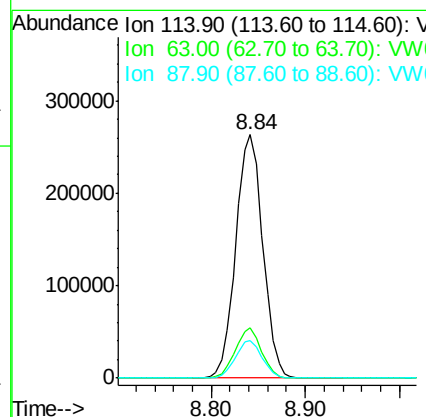
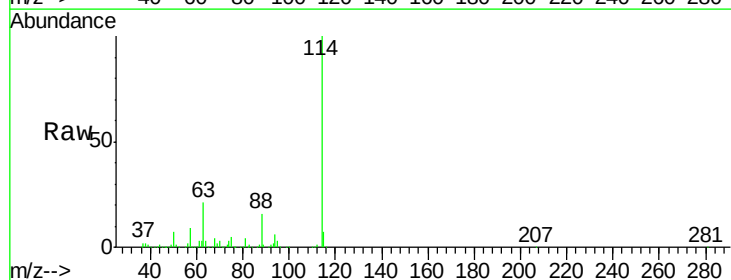
Manual Integrations
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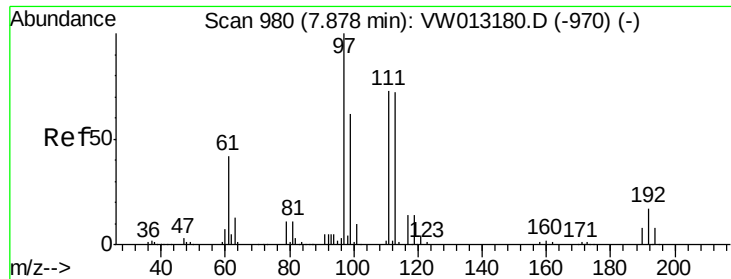
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 9/24/2019 5:28:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	522738		
63	20.6	0.0	41.4	
88	15.6	0.0	32.0	





#35

Dibromofluoromethane

Concen: 101.825 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

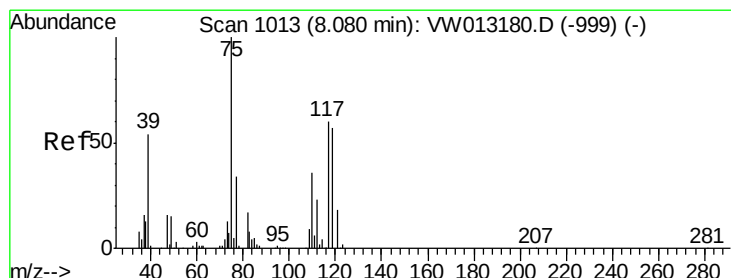
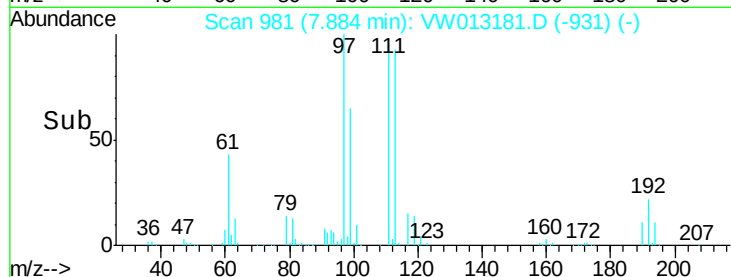
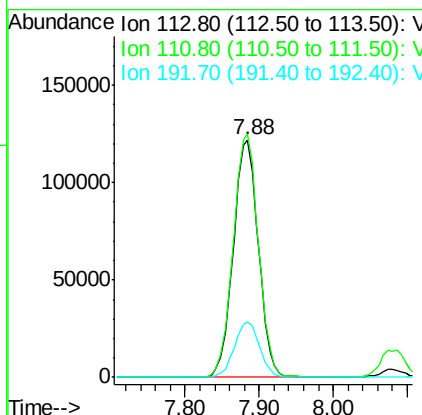
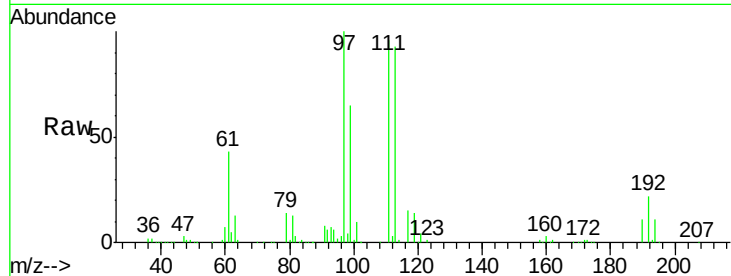
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	287802
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.9	122.9
192	23.5	19.1	28.7

Manual Integrations
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9/24/2019 5:28:48 AM



#36

1,1-Dichloropropene

Concen: 116.887 ug/l

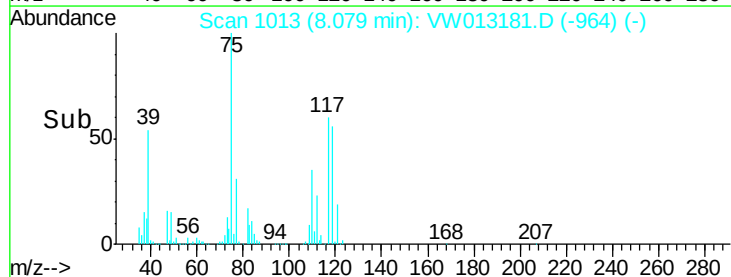
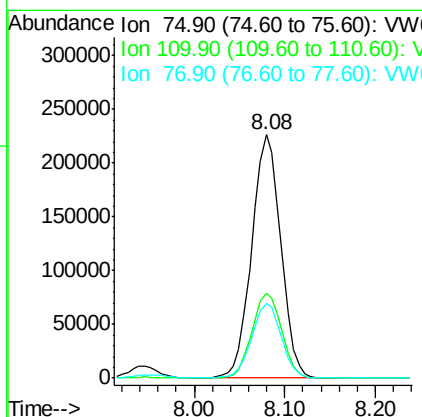
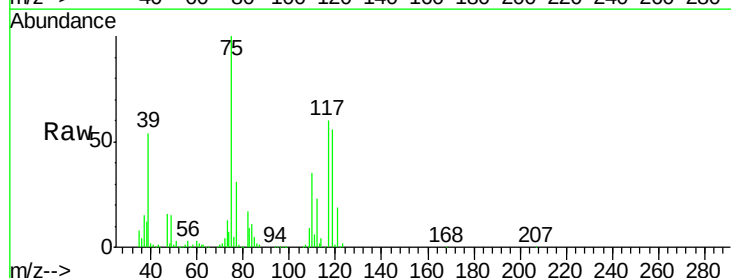
RT: 8.08 min Scan# 1013

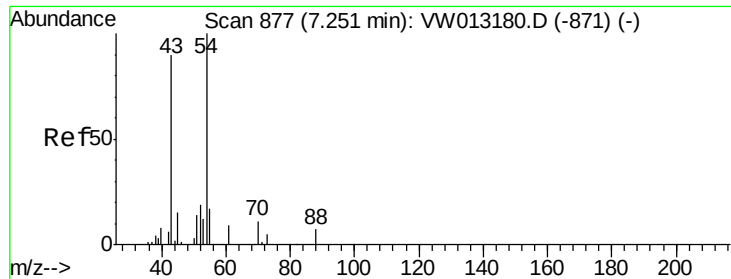
Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion:	75	Resp:	503795
Ion Ratio	Lower	Upper	
75	100		
110	35.4	18.1	54.3
77	31.2	25.8	38.6





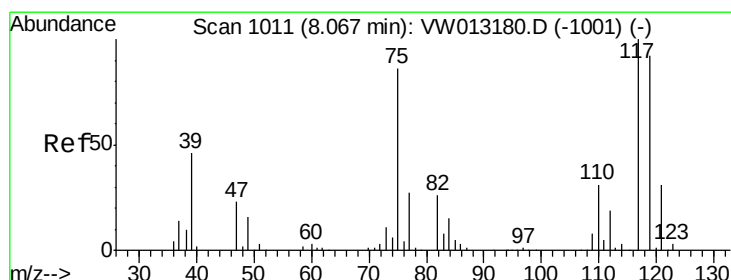
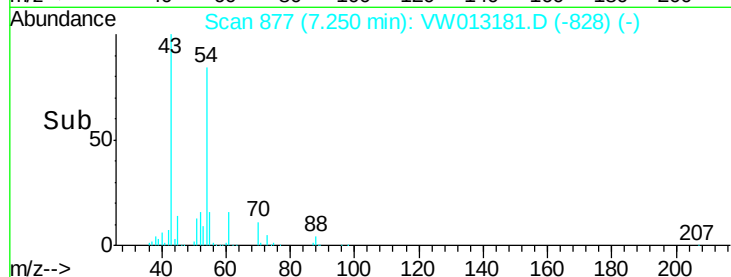
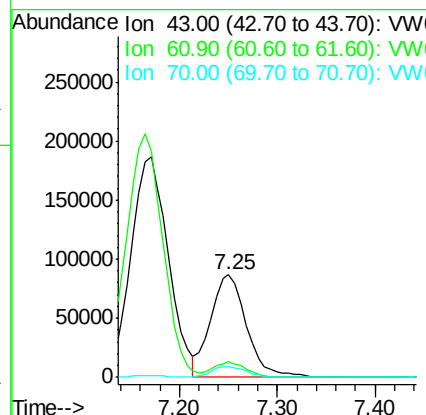
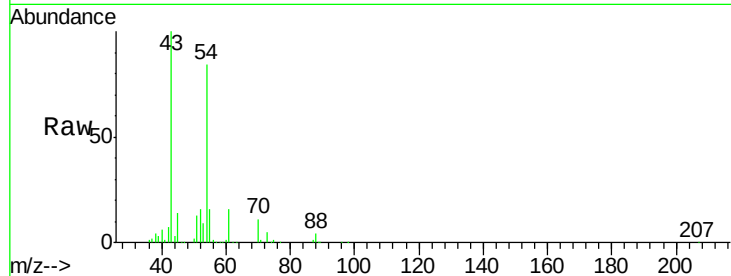
#37
Ethyl Acetate
Concen: 100.656 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	10.6	8.2	12.2

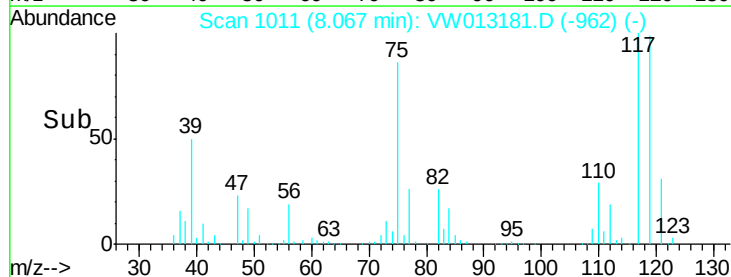
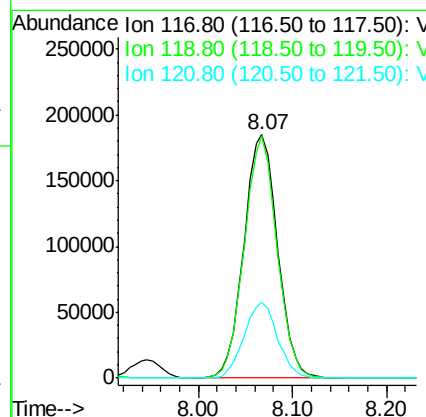
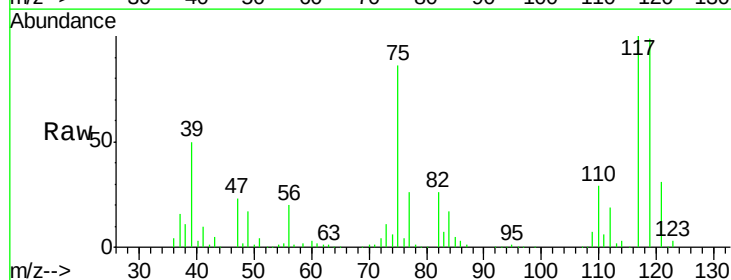
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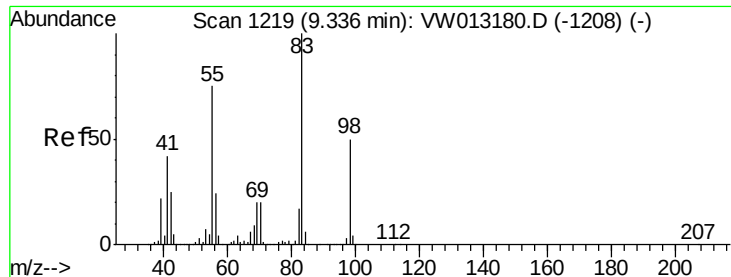
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#38
Carbon Tetrachloride
Concen: 106.880 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	73.5	110.3
121	31.5	25.0	37.6





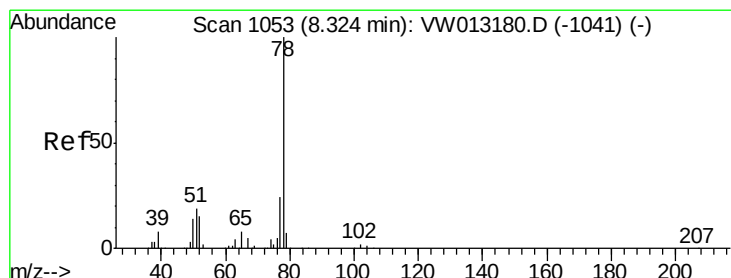
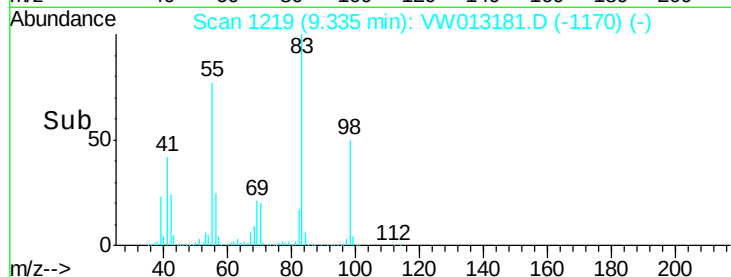
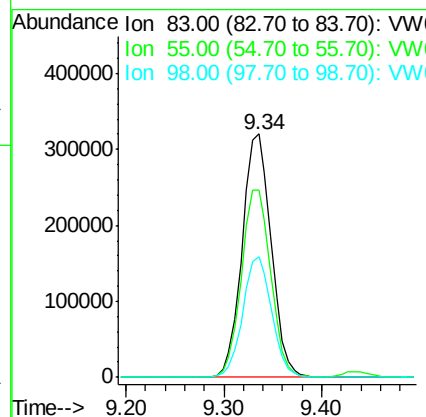
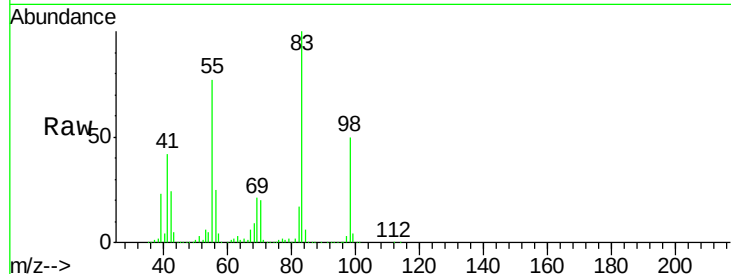
#39
Methylvlcyclohexane
Concen: 134.480 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	60.4	90.6
98	49.7	40.0	60.0

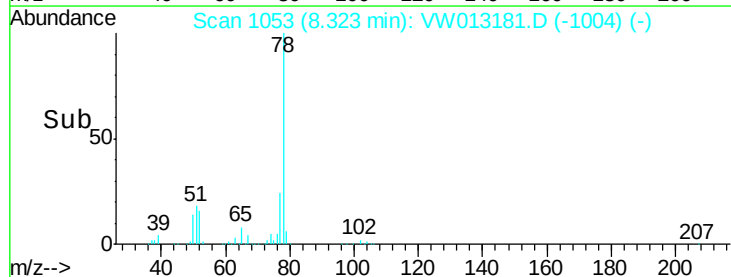
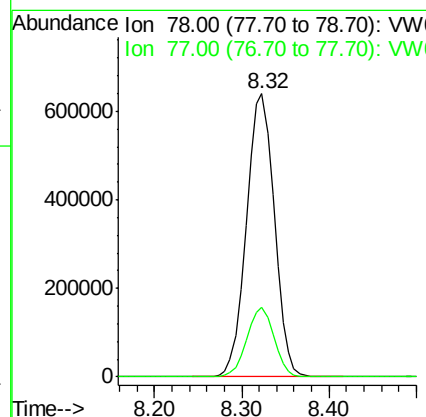
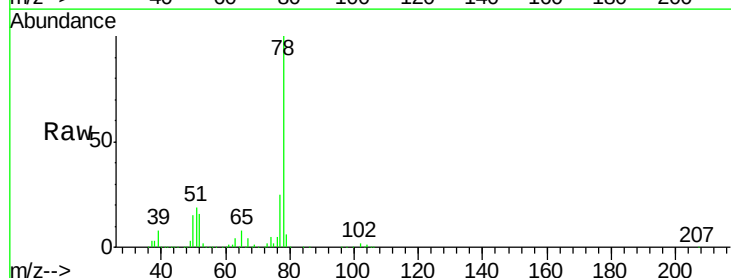
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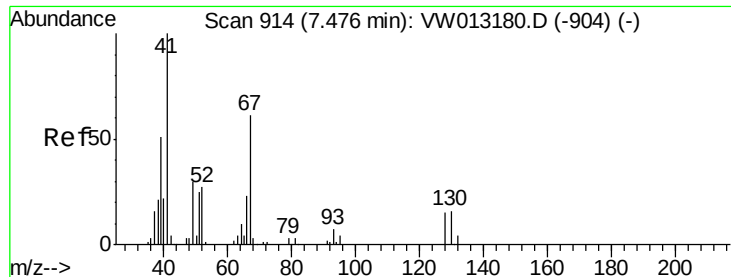
MMDadoda
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#40
Benzene
Concen: 117.750 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7





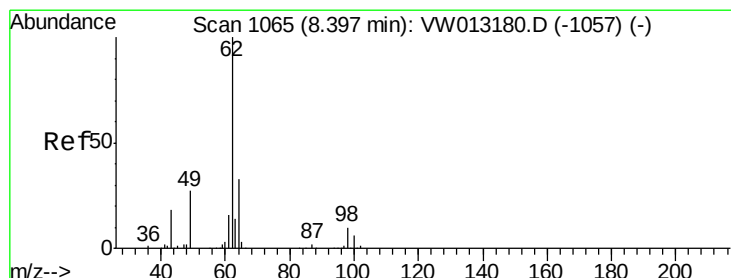
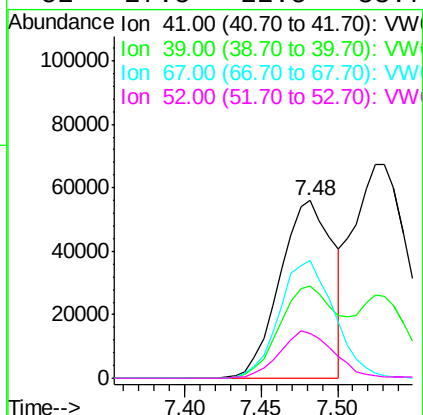
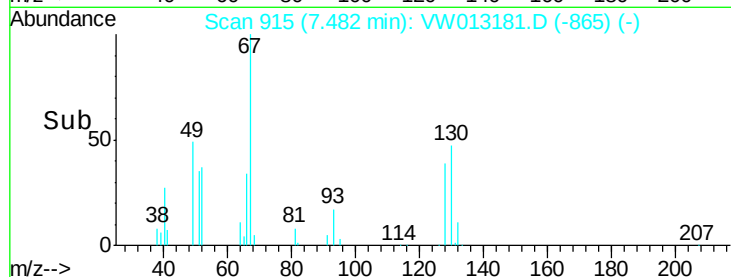
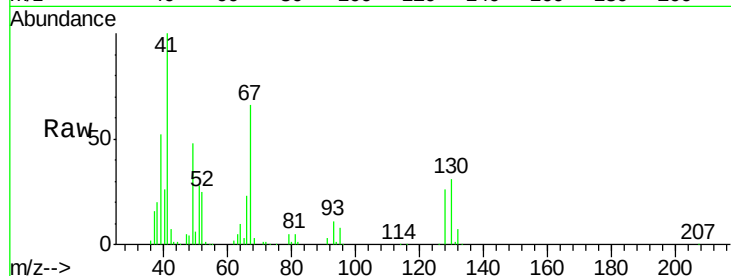
#41
Methacrylonitrile
Concen: 94.673 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		135270		
39	57.3		45.9	68.9	
67	68.6		54.5	81.7	
52	27.5		22.5	33.7	

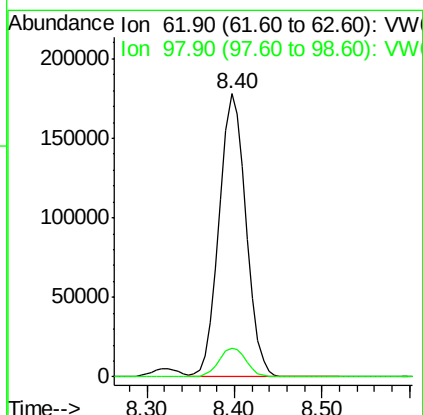
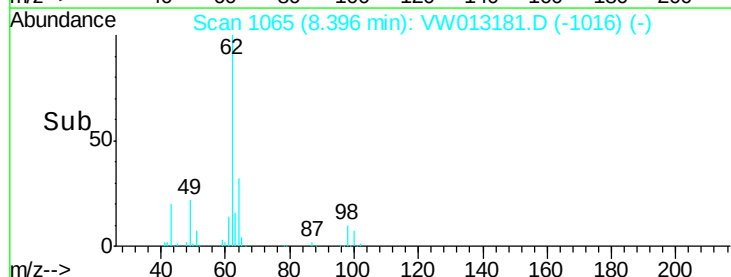
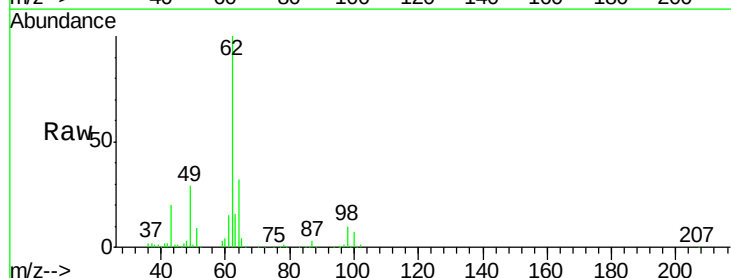
Manual Integrations
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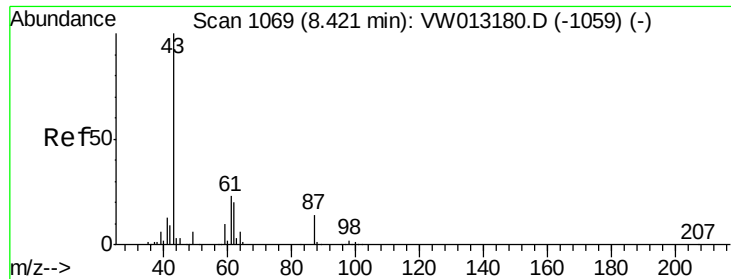
MMDadoda
9/24/2019 5:28:48 AM



#42
1,2-Dichloroethane
Concen: 97.899 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		379740		
98	10.4		0.0	20.6	





#43

Isopropyl Acetate

Concen: 102.340 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

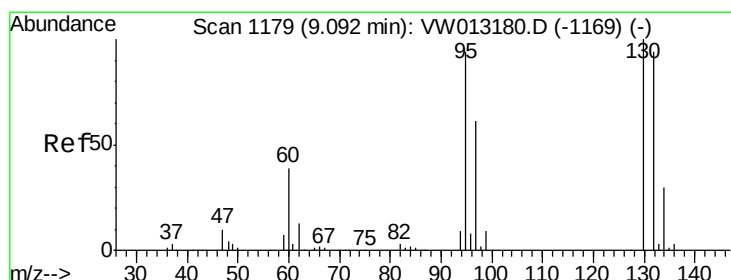
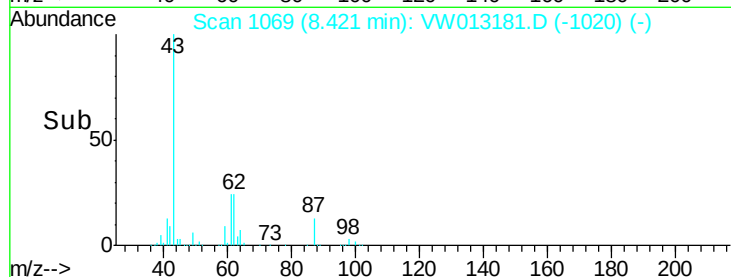
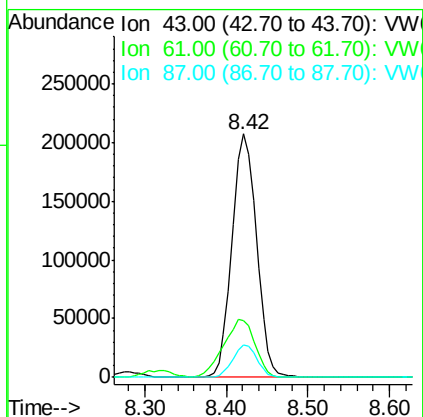
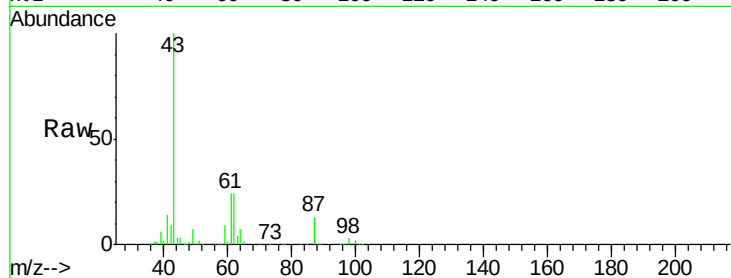
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	429522
Ion	Ratio	Lower	Upper
43	100		
61	30.9	25.5	38.3
87	13.4	11.0	16.4

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#44

Trichloroethene

Concen: 118.902 ug/l

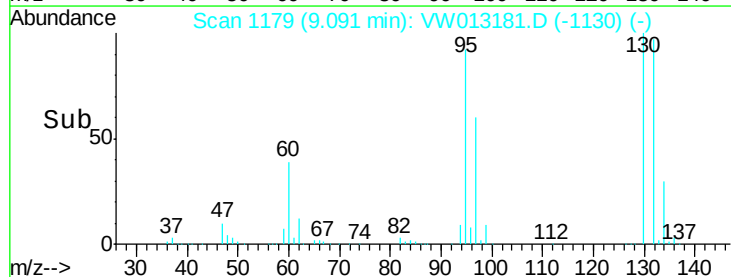
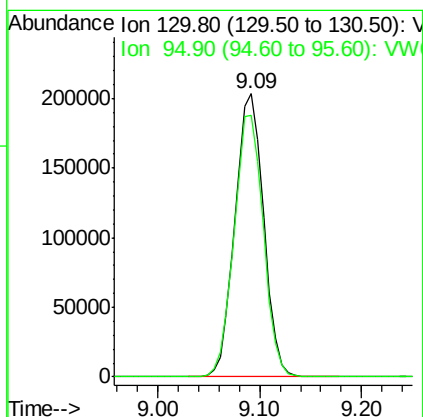
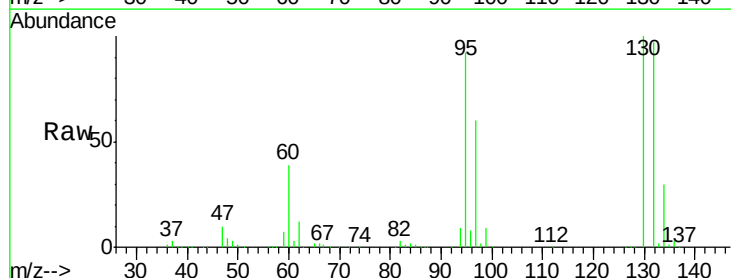
RT: 9.09 min Scan# 1179

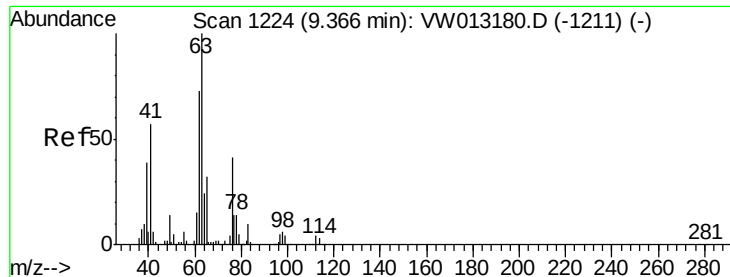
Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion:	130	Resp:	394547
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	188.0





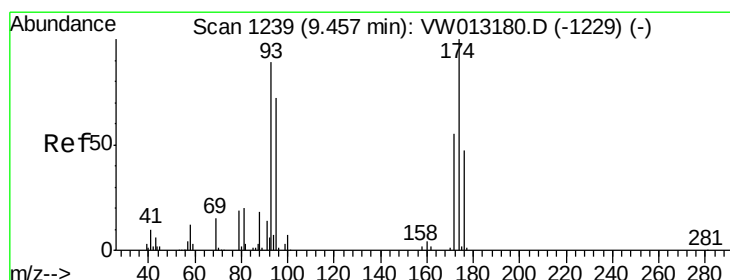
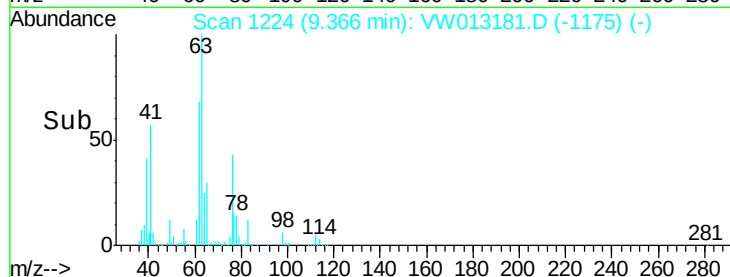
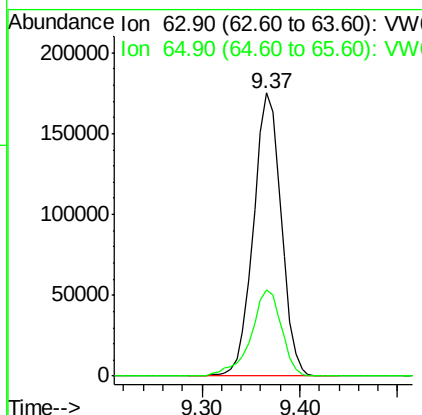
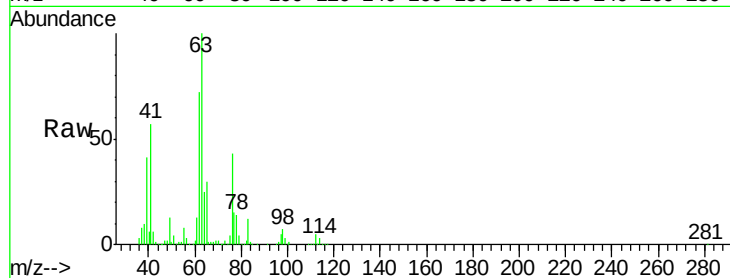
#45
 1,2-Dichloropropane
 Concen: 110.653 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.3	37.9

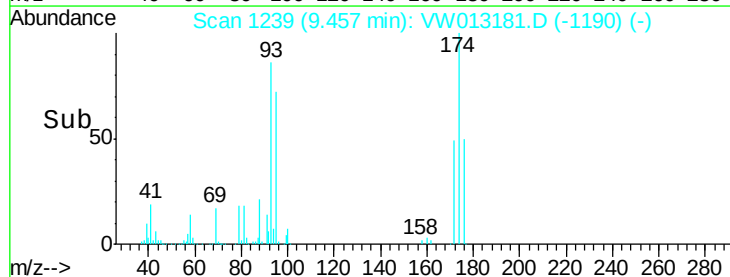
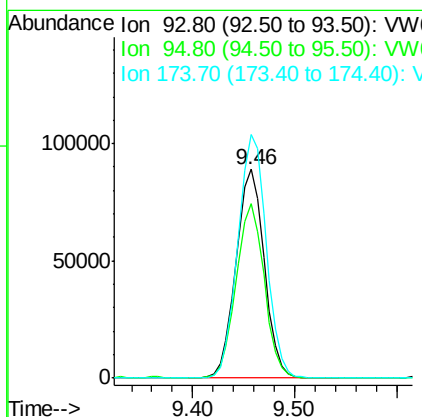
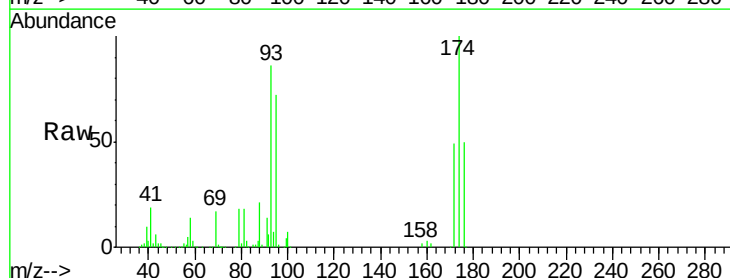
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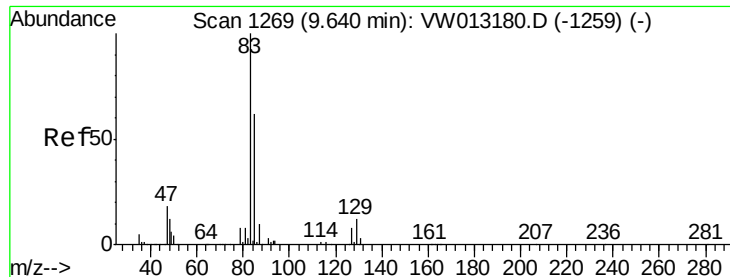
MMDadoda
 9/24/2019 5:28:48 AM



#46
 Dibromomethane
 Concen: 113.087 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	117.9	93.0	139.6





#47

Bromodichloromethane

Concen: 106.167 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

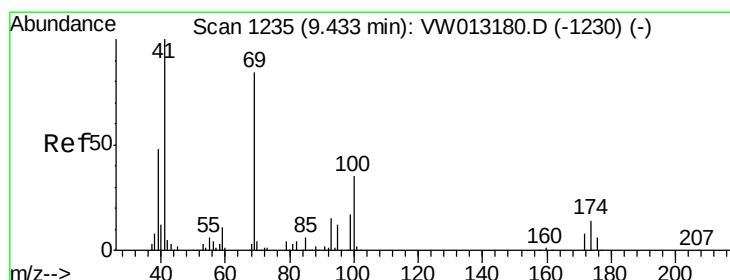
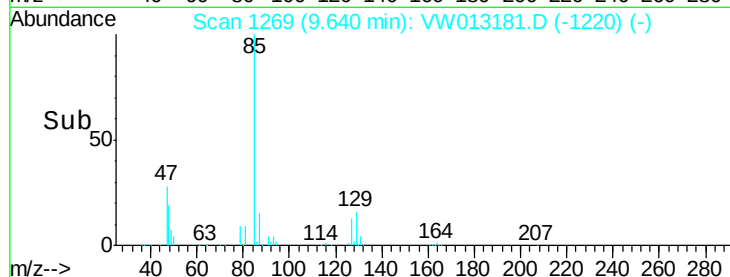
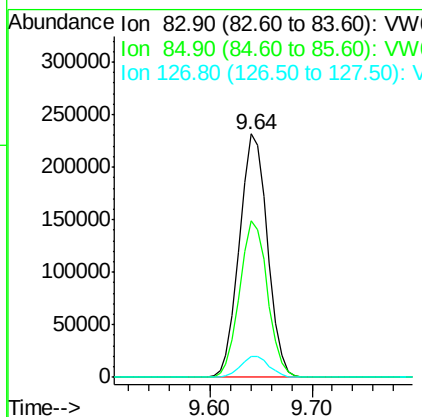
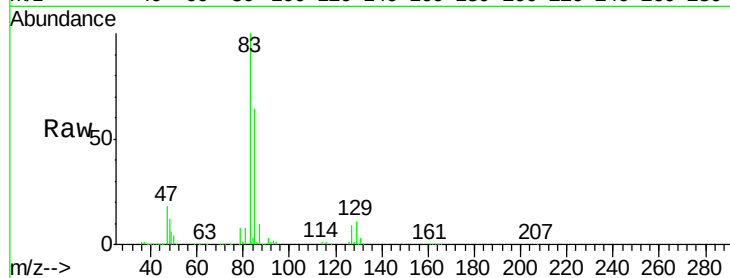
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	441235
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.4	74.2
127	8.5	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 111.479 ug/l

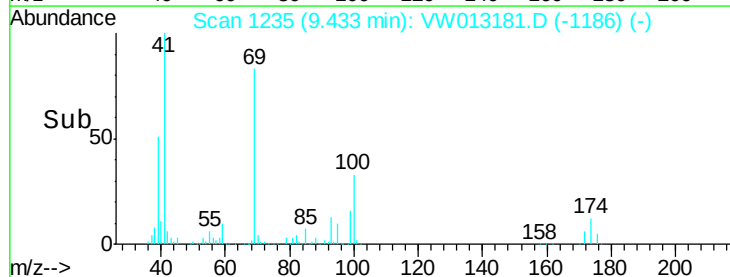
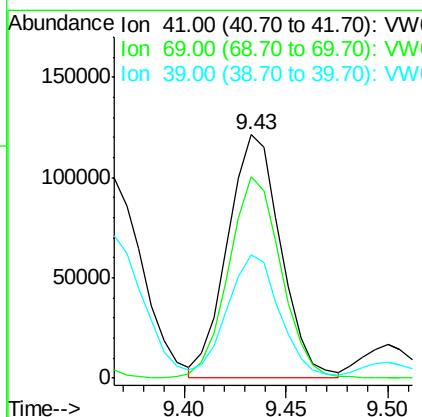
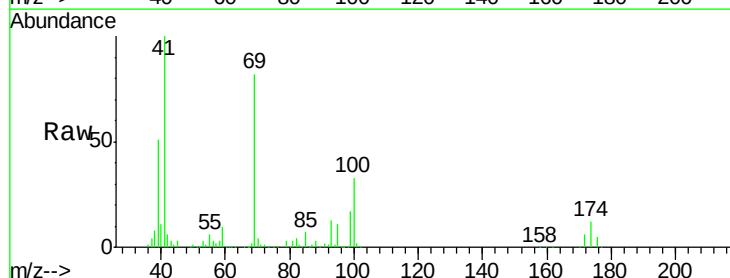
RT: 9.43 min Scan# 1235

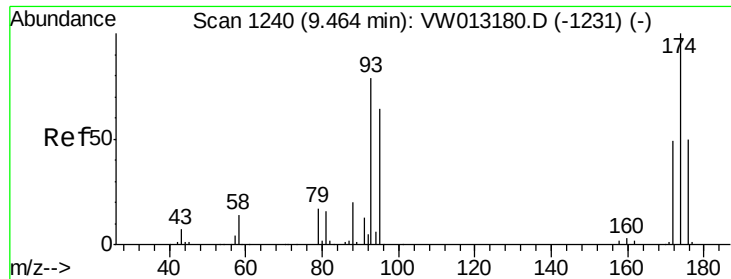
Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion:	41	Resp:	220070
Ion	Ratio	Lower	Upper
41	100		
69	80.7	69.7	104.5
39	47.6	41.1	61.7





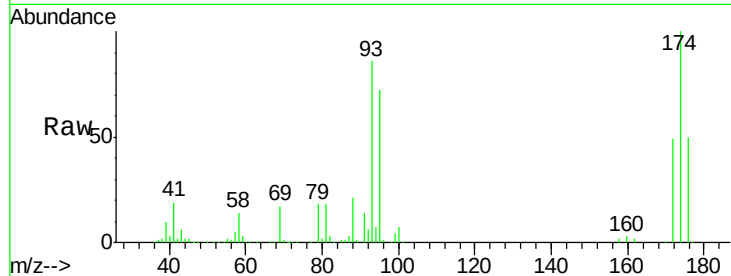
#49
1,4-Dioxane
Concen: 2114.995 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	51070
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.3	65.4	98.0

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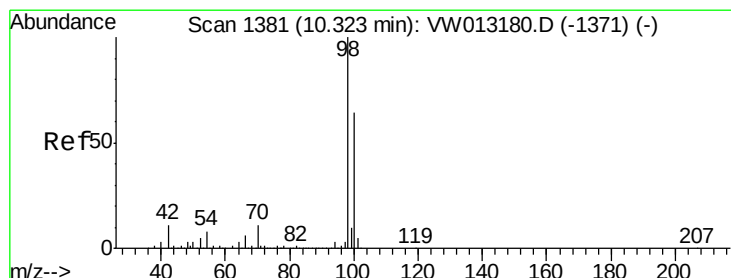
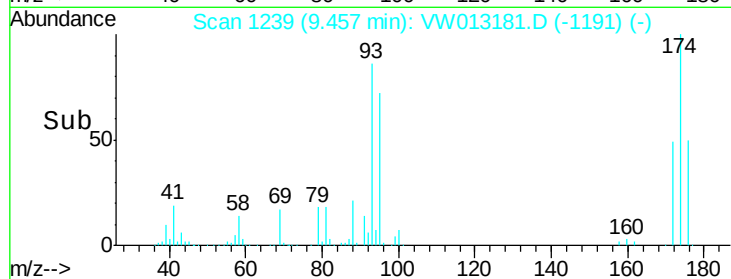
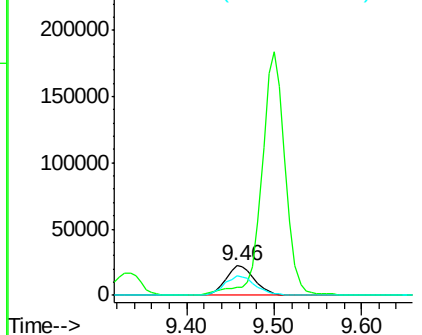


Abundance

Ion 88.00 (87.70 to 88.70): VW

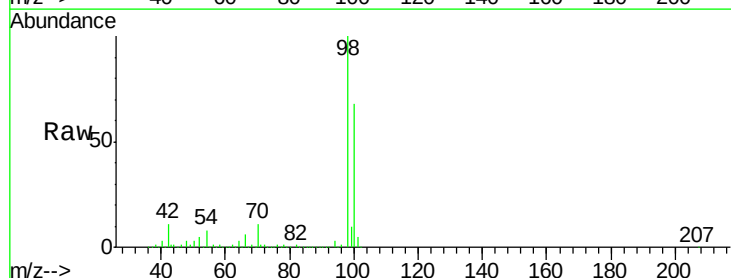
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 108.136 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

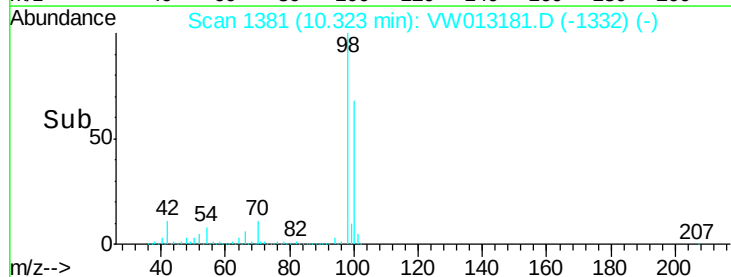
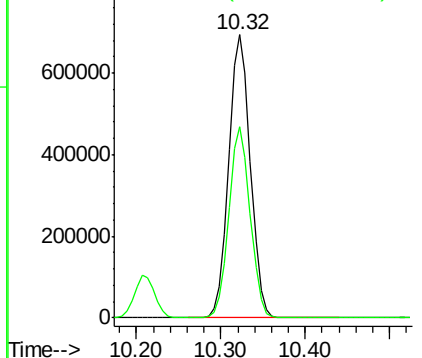
Tgt Ion	98	Resp	1205184
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3

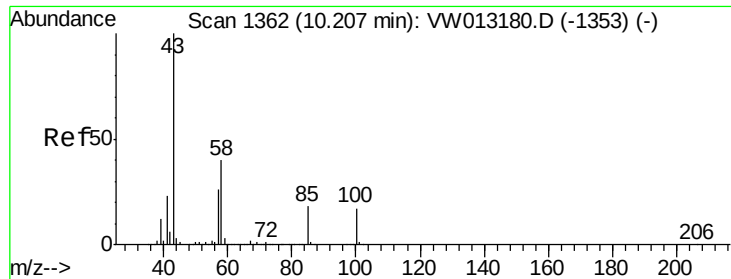


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





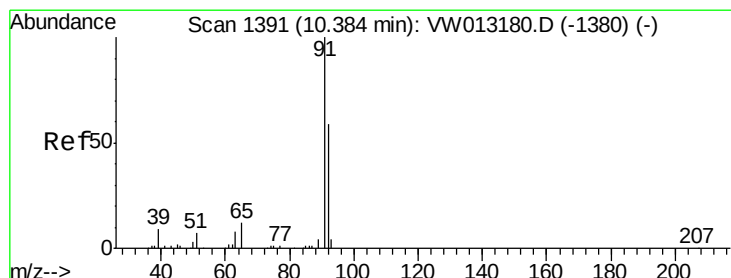
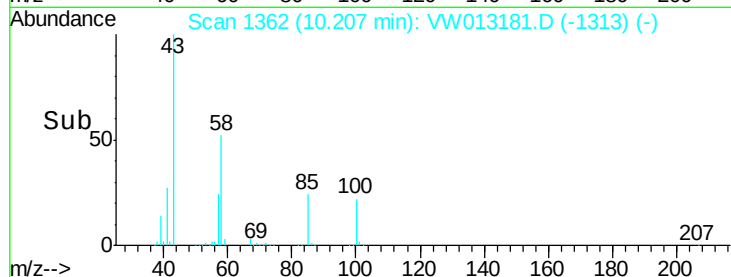
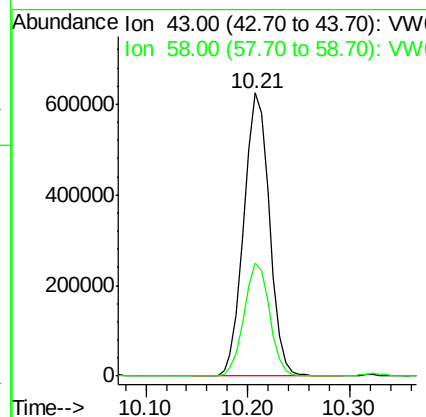
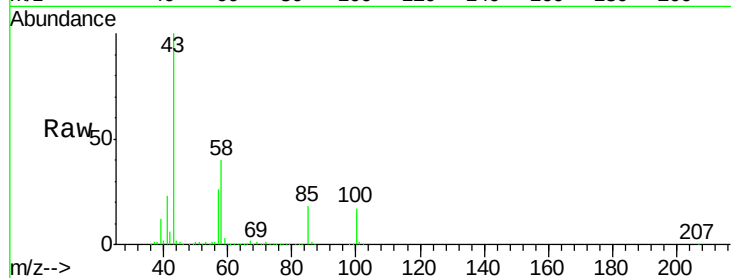
#51
 4-Methyl-2-Pentanone
 Concen: 502.276 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1083790
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.7 47.5

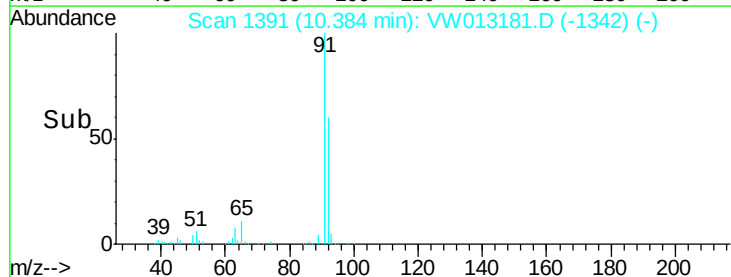
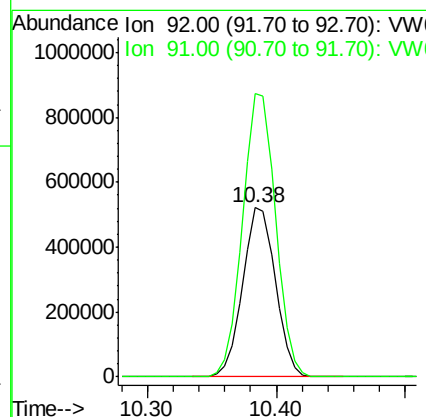
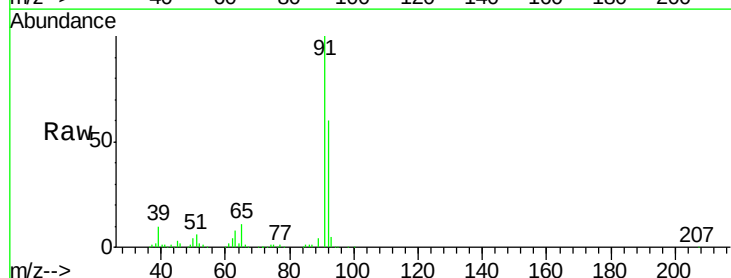
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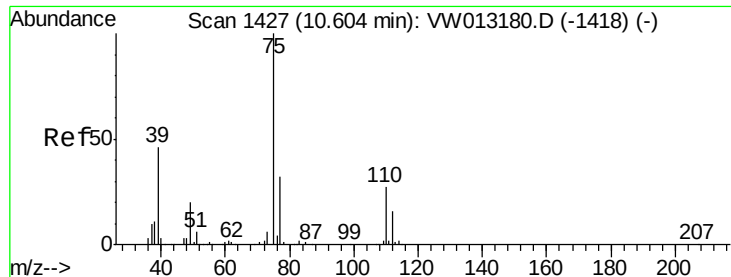
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#52
 Toluene
 Concen: 119.427 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion: 92 Resp: 914038
 Ion Ratio Lower Upper
 92 100
 91 169.4 135.7 203.5





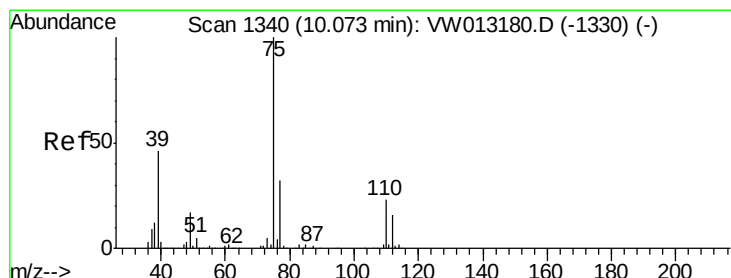
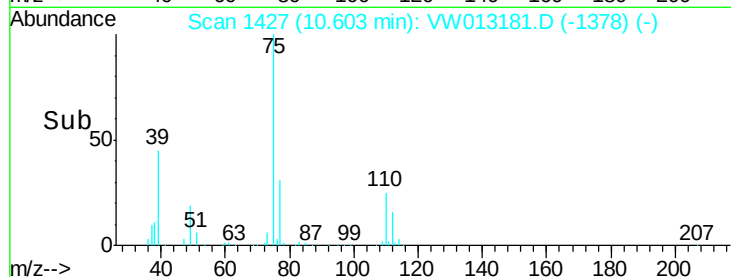
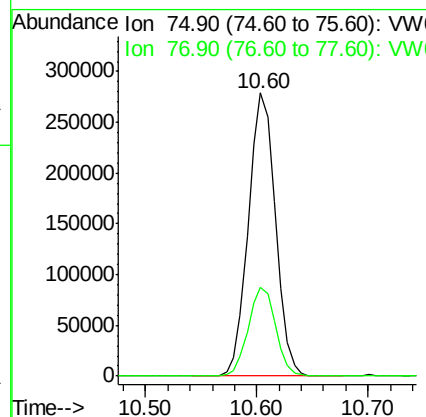
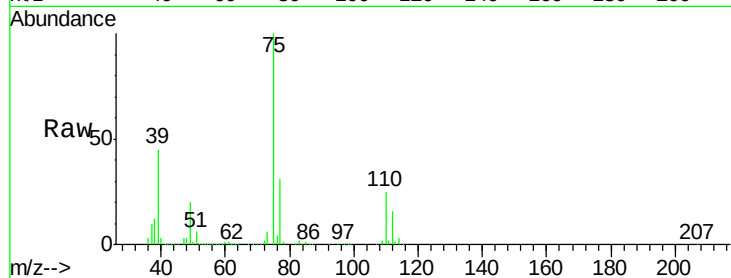
#53
 t-1,3-Dichloropropene
 Concen: 112.425 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3

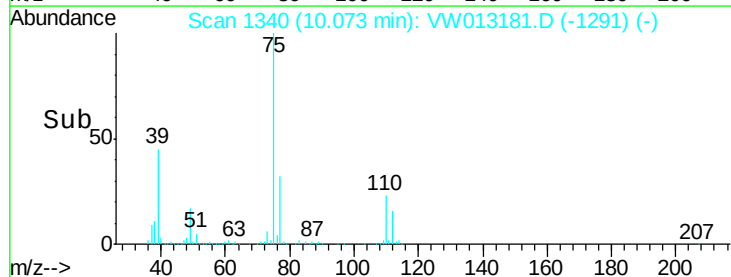
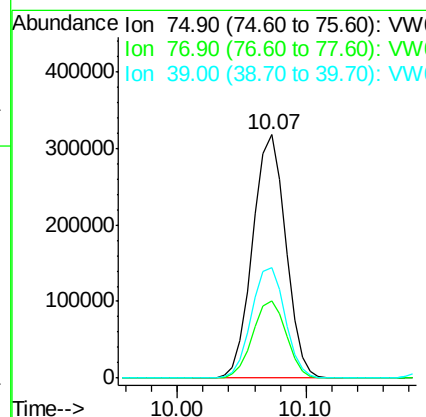
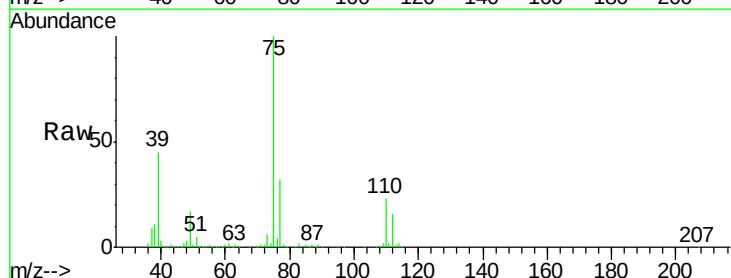
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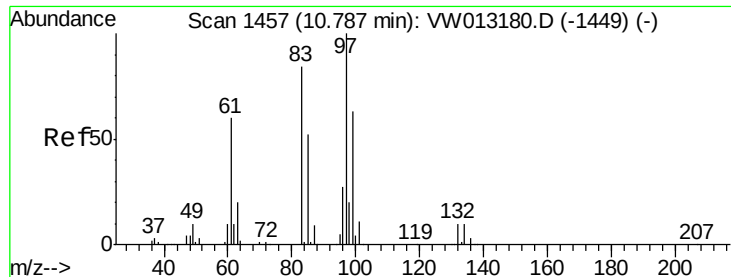
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#54
 cis-1,3-Dichloropropene
 Concen: 116.389 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	45.4	36.6	55.0





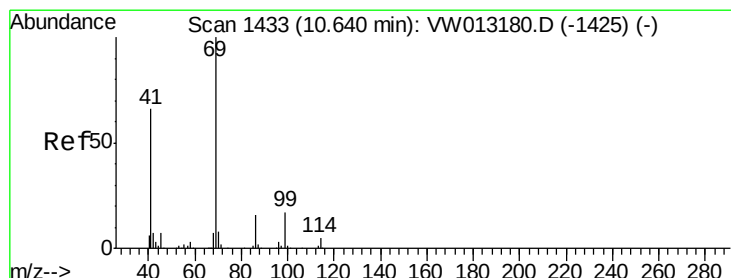
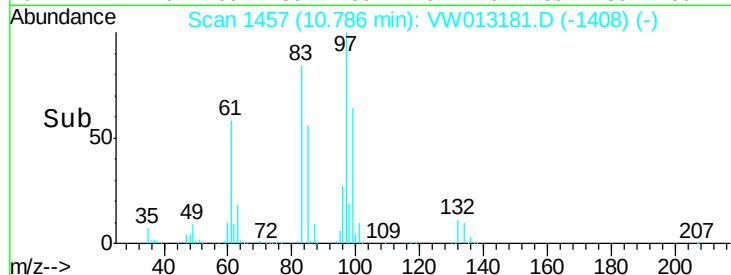
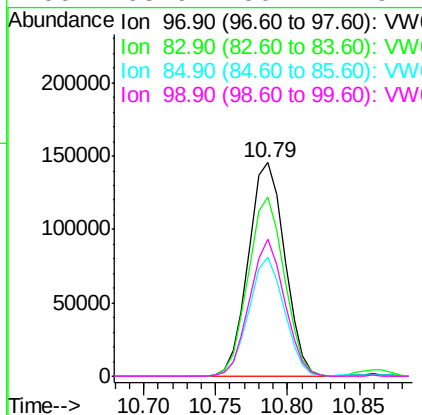
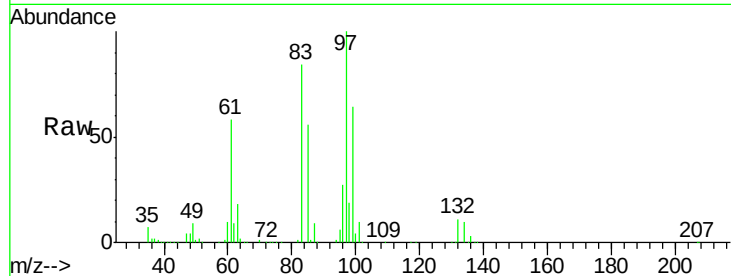
#55
 1,1,2-Trichloroethane
 Concen: 111.189 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	254463
Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.6	101.4
85	55.6	41.9	62.9
99	63.9	50.1	75.1

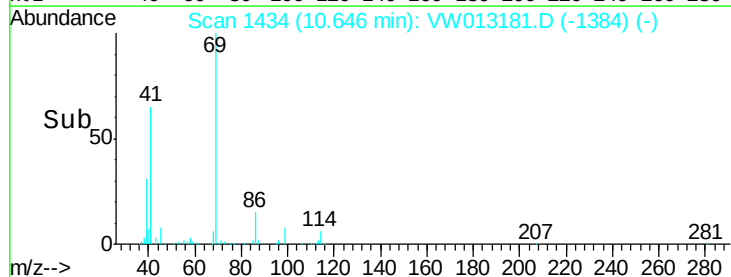
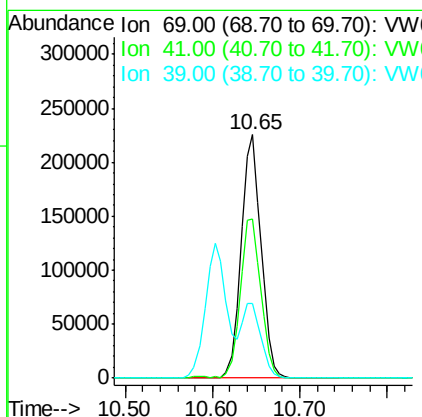
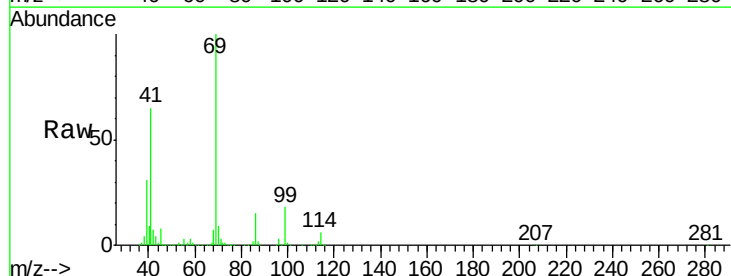
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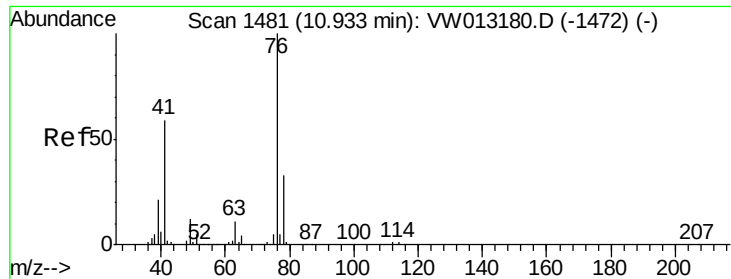
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#56
 Ethyl methacrylate
 Concen: 116.582 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion:	69	Resp:	357002
Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.9	80.9
39	29.4	23.8	35.6





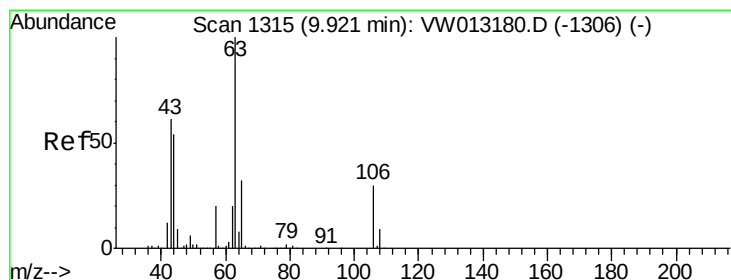
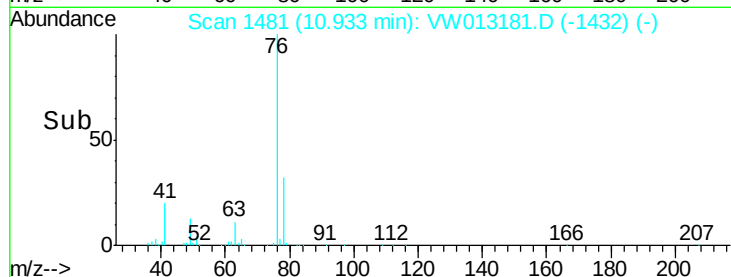
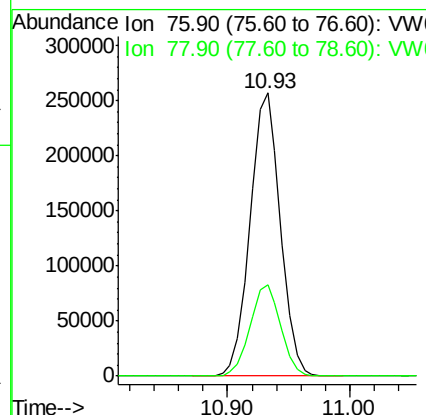
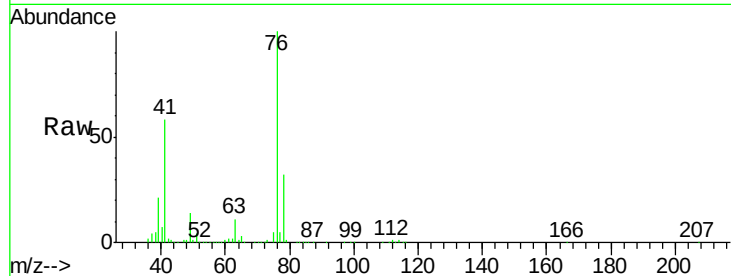
#57
 1,3-Dichloropropane
 Concen: 108.926 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

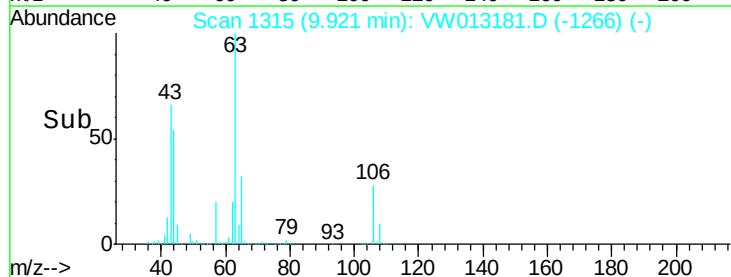
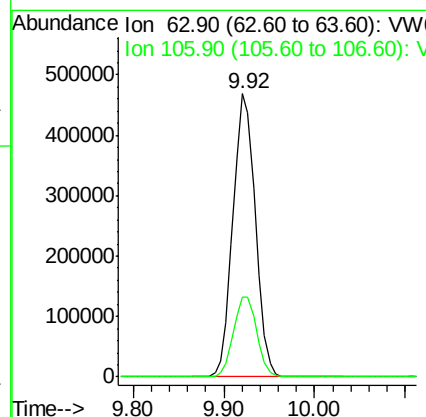
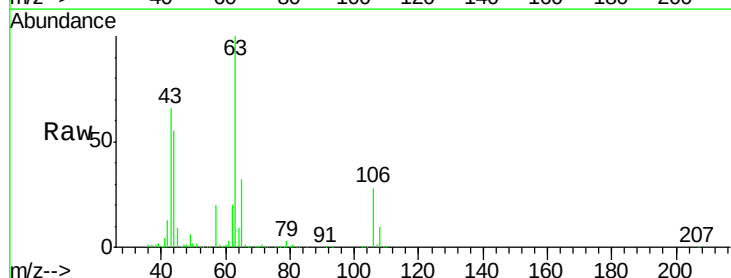
Manual Integrations
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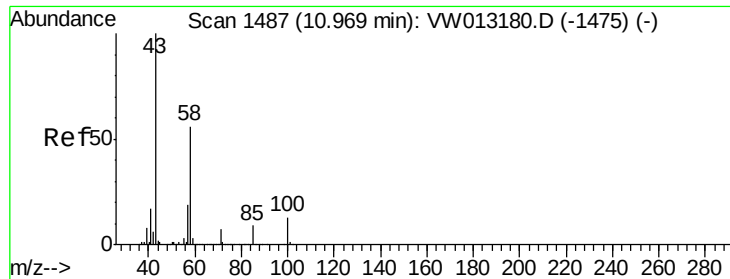
MMDadoda
 9/24/2019 5:28:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 496.115 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.4	35.0





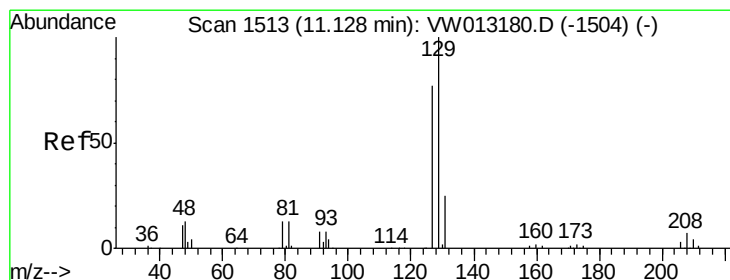
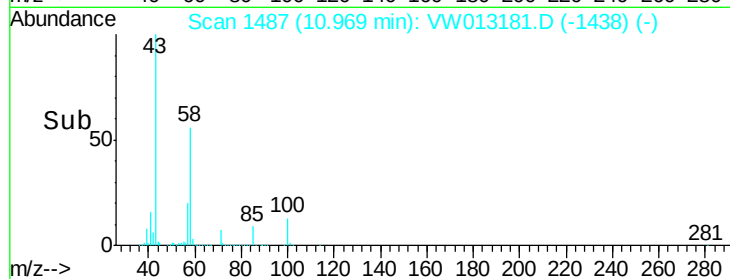
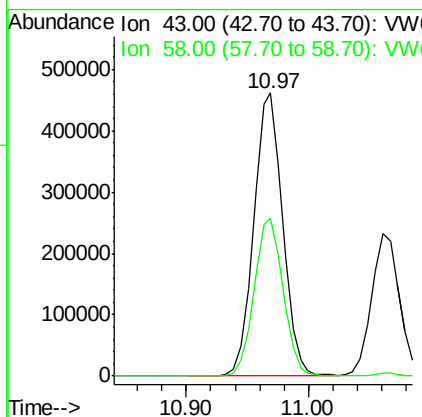
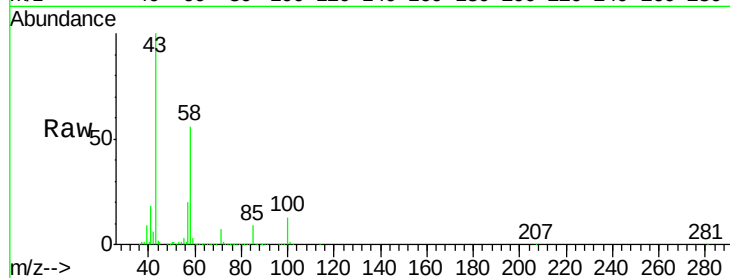
#59
2-Hexanone
Concen: 508.676 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	28.1	84.2

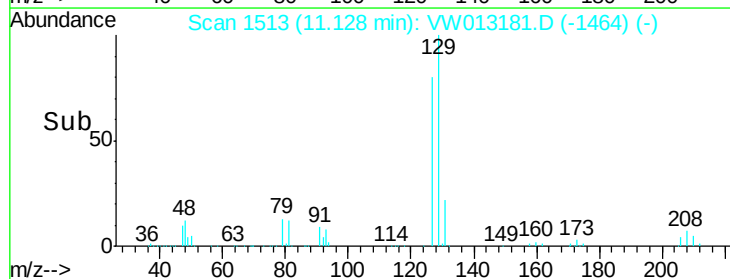
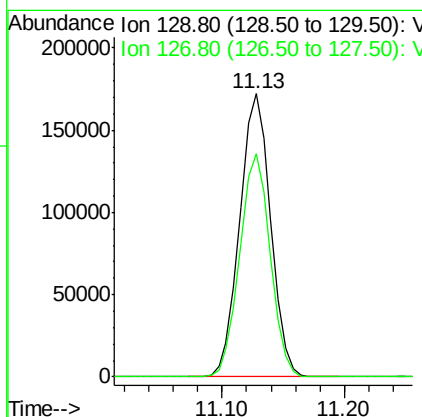
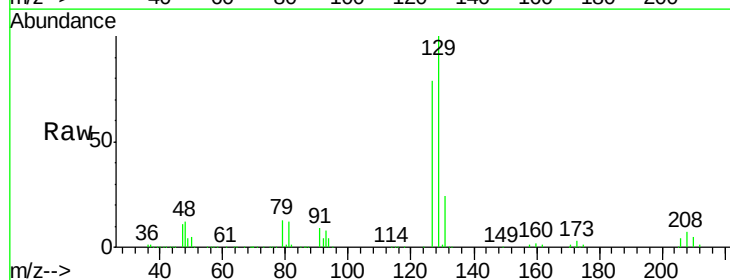
Manual Integrations
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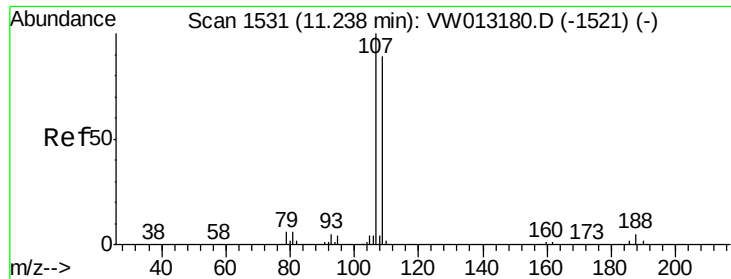
MMDadoda
9/24/2019 5:28:48 AM



#60
Dibromochloromethane
Concen: 110.407 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4





#61

1,2-Dibromoethane

Concen: 116.245 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 243454

Ion Ratio Lower Upper

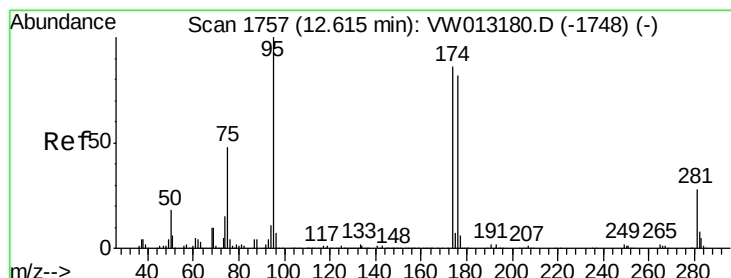
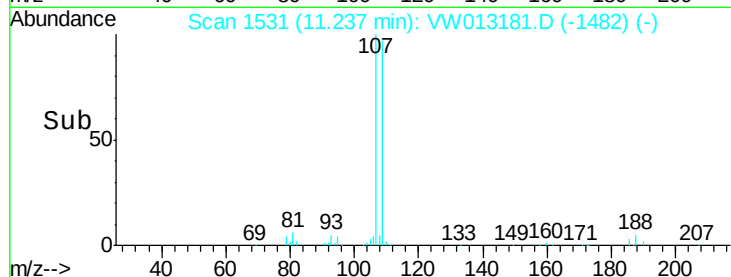
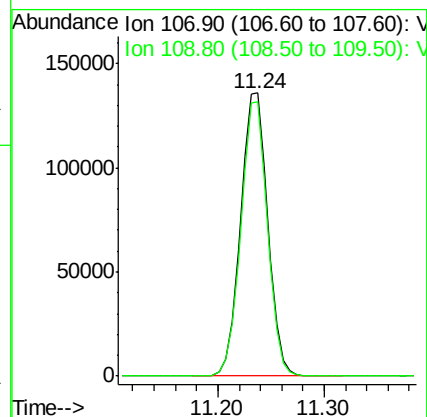
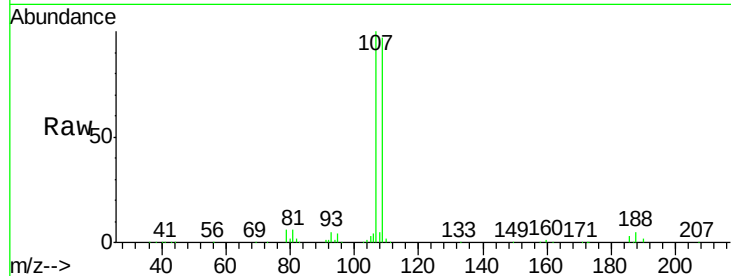
107 100

109 95.3 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 103.711 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

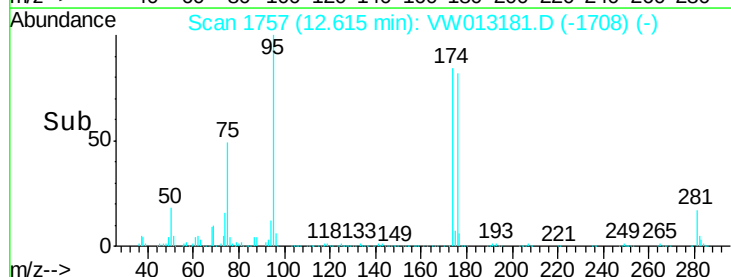
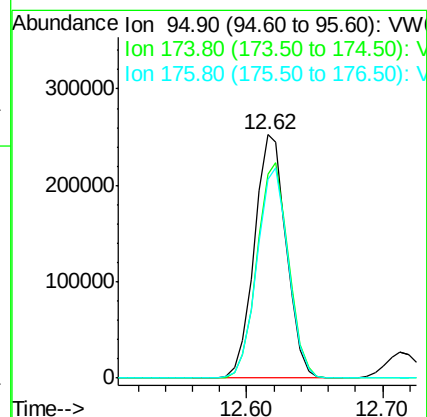
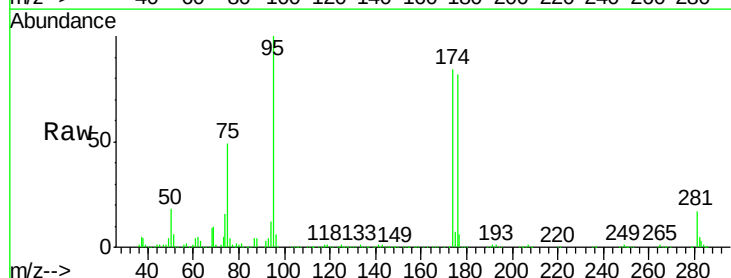
Tgt Ion: 95 Resp: 413902

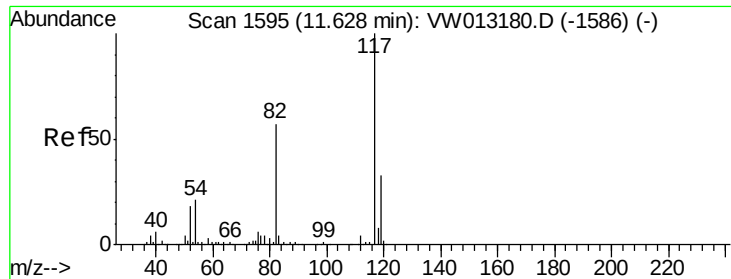
Ion Ratio Lower Upper

95 100

174 87.9 0.0 178.4

176 85.5 0.0 172.2





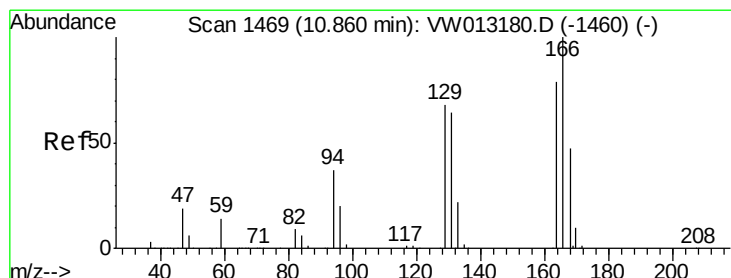
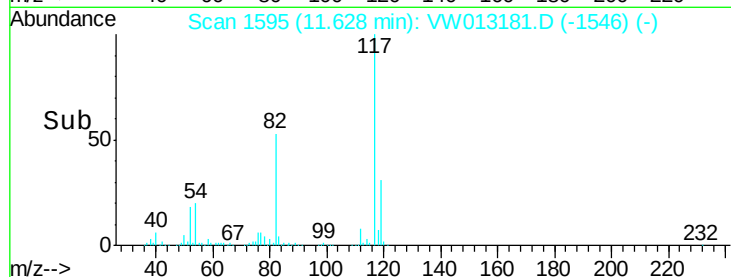
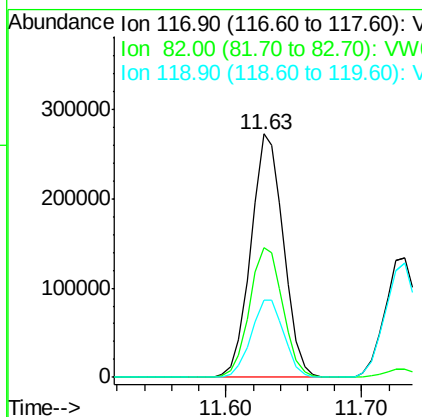
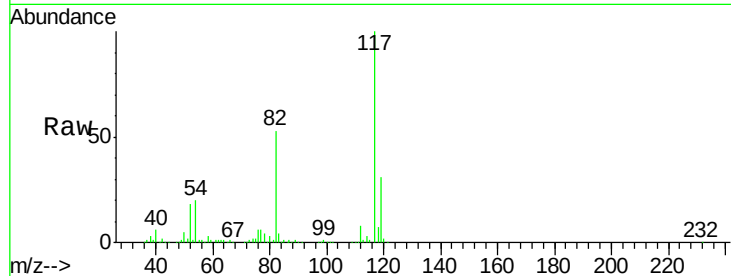
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.9	68.9
119	31.5	26.2	39.2

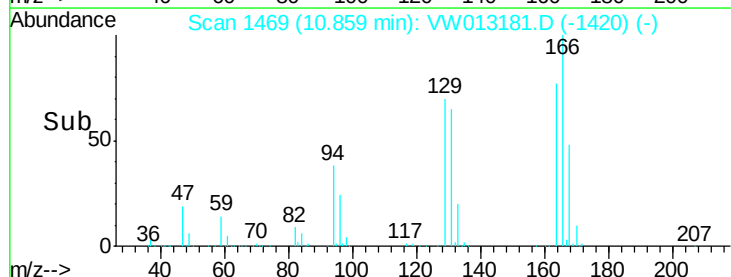
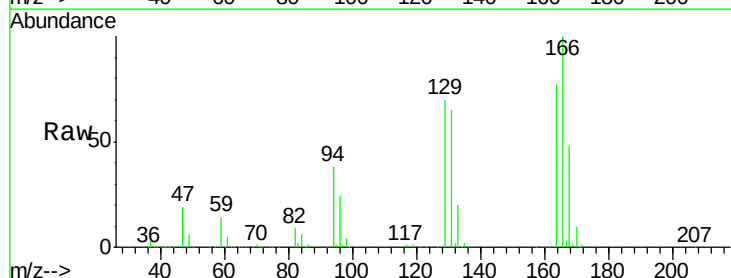
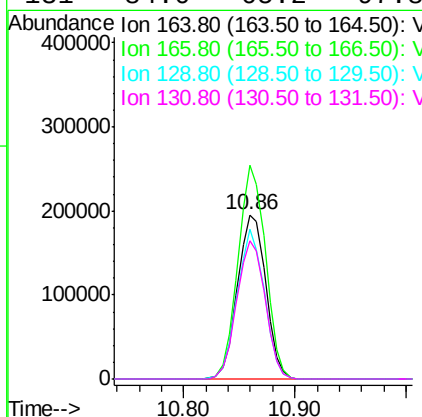
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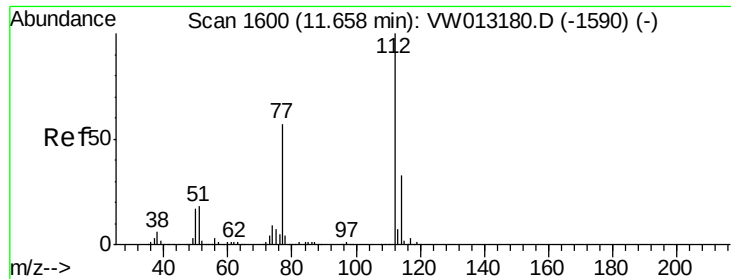
MMDadoda
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#64
Tetrachloroethene
Concen: 121.052 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.2	151.8
129	91.1	68.8	103.2
131	84.0	65.2	97.8





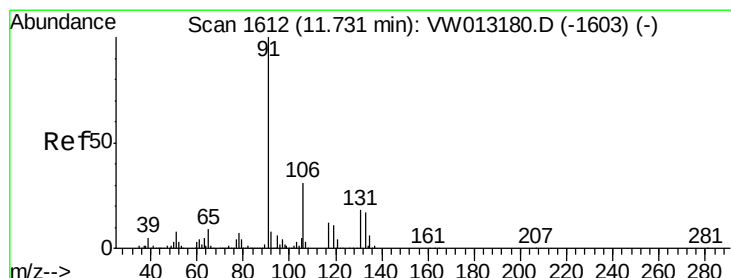
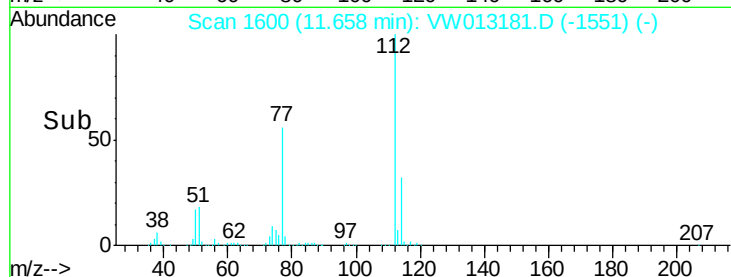
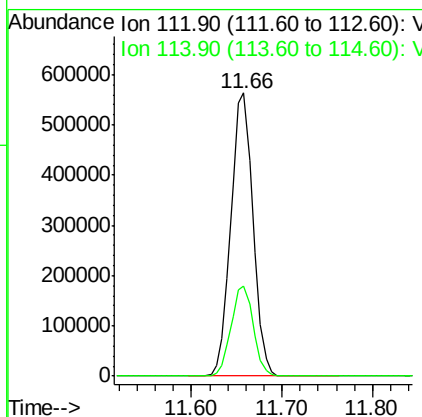
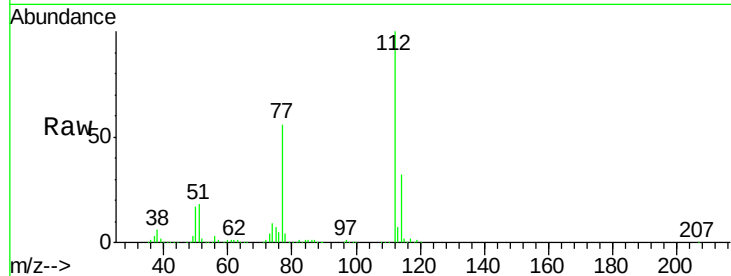
#65
Chlorobenzene
Concen: 114.089 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
112	100	952747		
114	31.7	26.5	39.7	

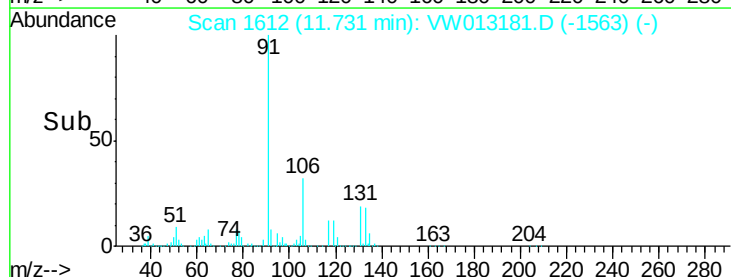
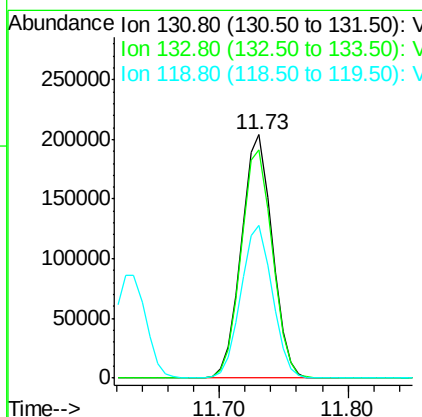
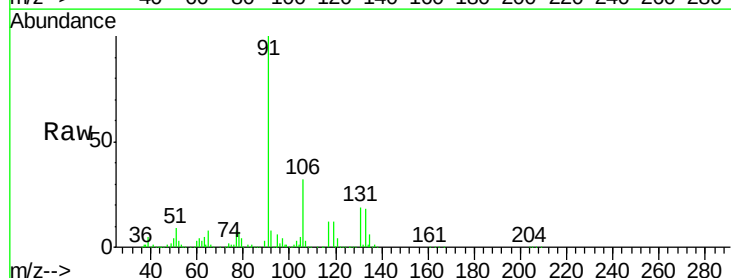
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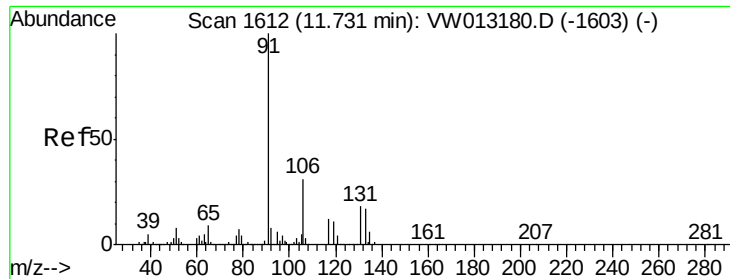
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#66
1,1,1,2-Tetrachloroethane
Concen: 107.917 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	338387		
133	94.8	47.5	142.6	
119	64.0	32.5	97.5	





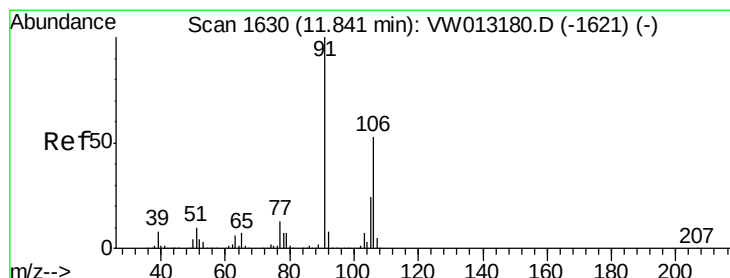
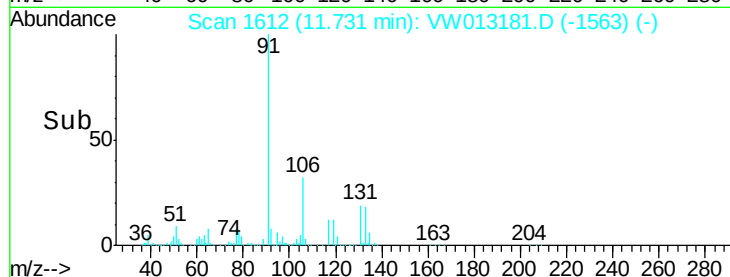
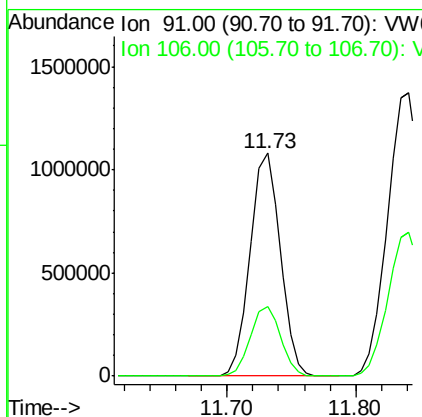
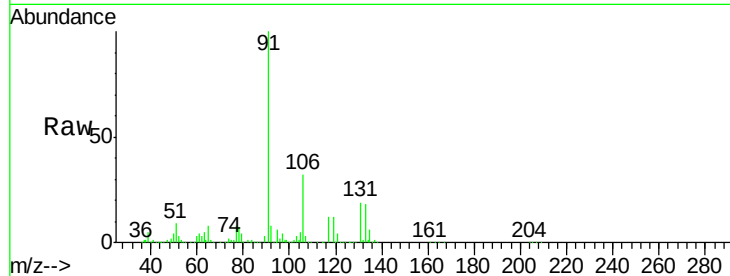
#67
Ethyl Benzene
Concen: 113.632 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1745841
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3

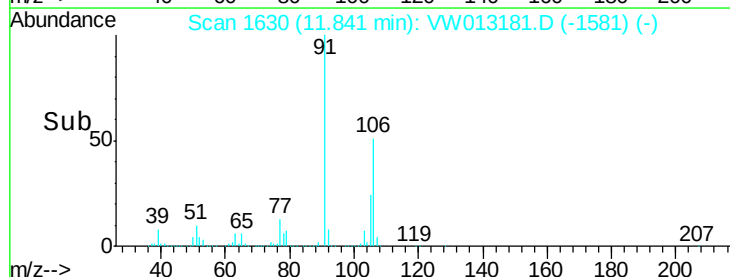
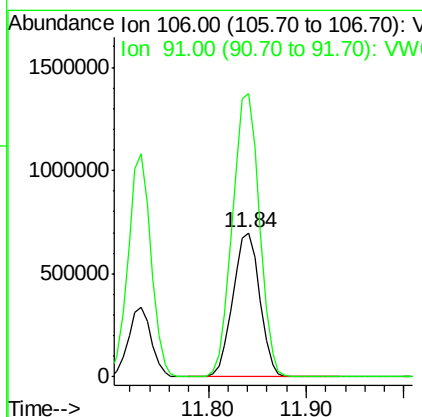
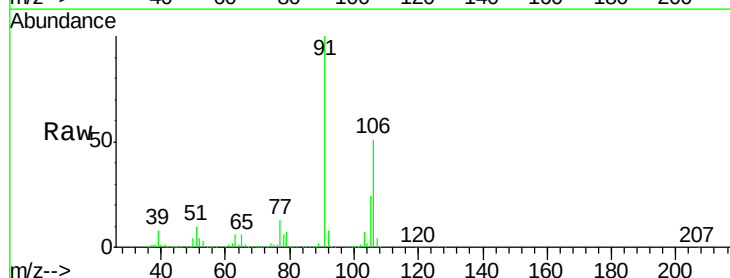
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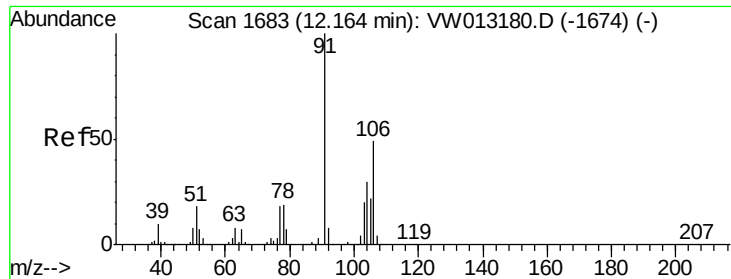
MMDadoda
9/24/2019 5:28:48 AM



#68
m/p-Xylenes
Concen: 234.773 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion:106 Resp: 1329230
Ion Ratio Lower Upper
106 100
91 197.3 157.9 236.9





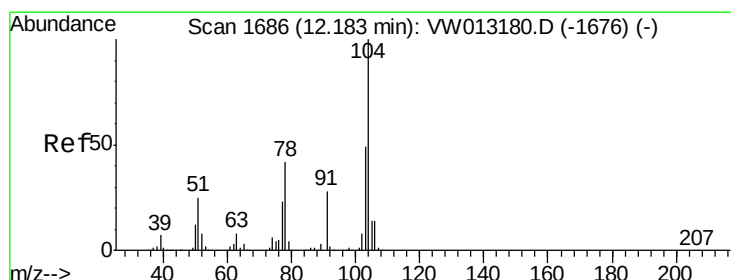
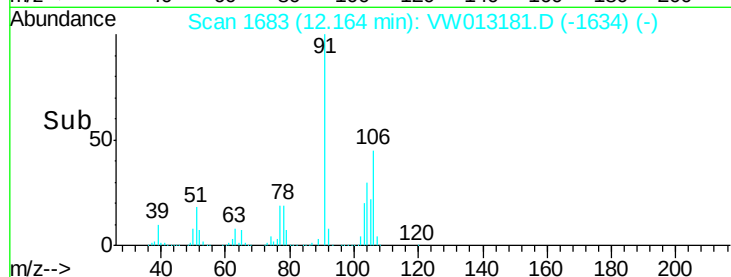
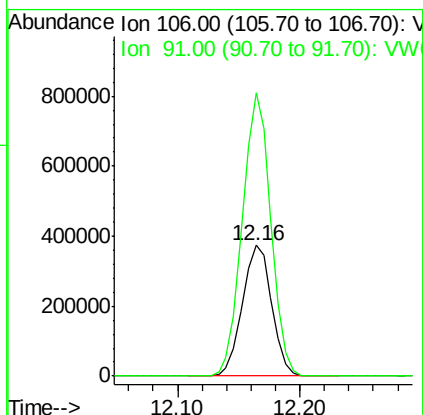
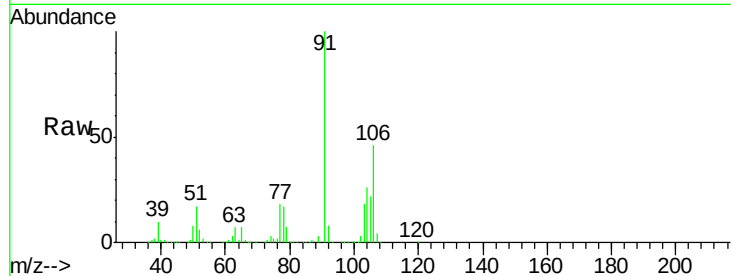
#69
o-Xylene
Concen: 117.192 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.3	106.5	319.5

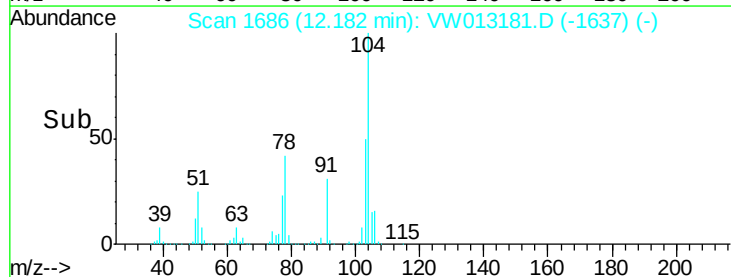
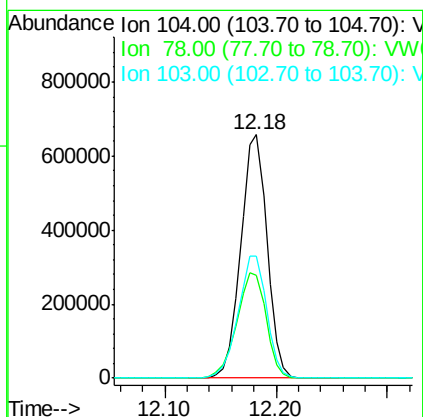
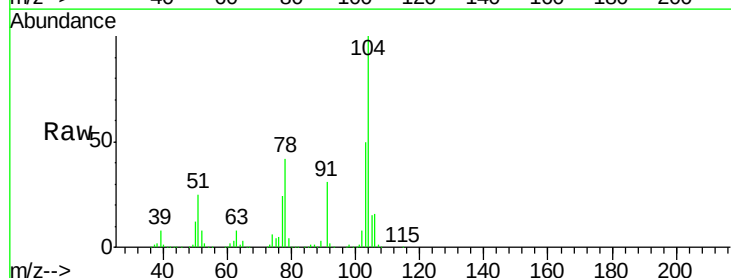
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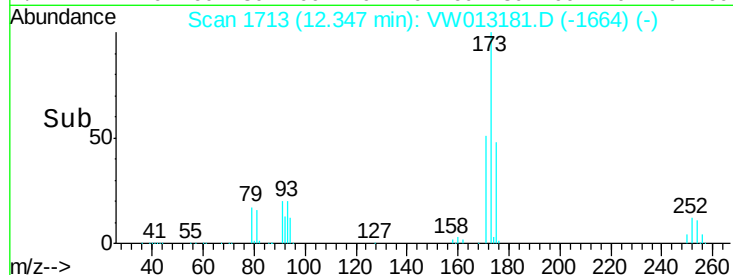
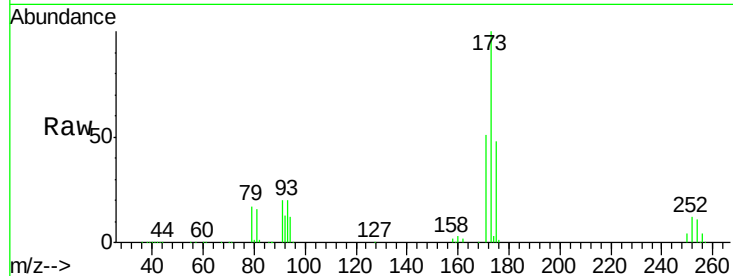
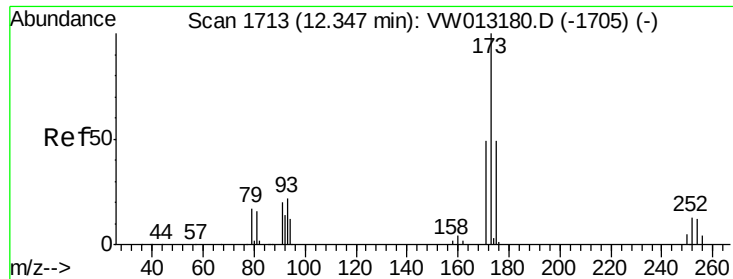
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#70
Styrene
Concen: 114.400 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.4	57.6
103	54.6	43.3	64.9





#71

Bromoform

Concen: 111.009 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.2	0.1	0.1#

Instrument :

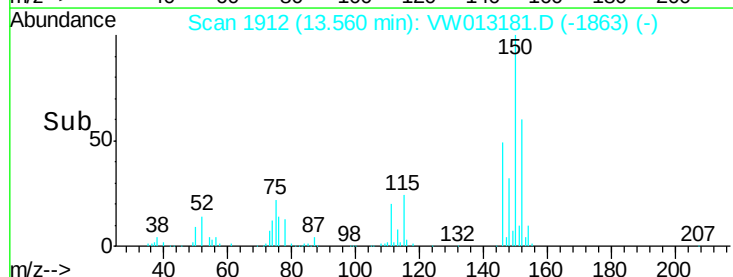
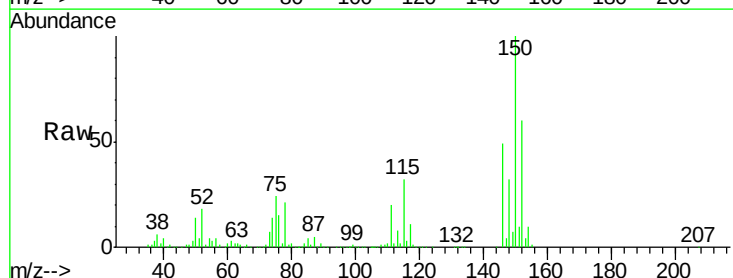
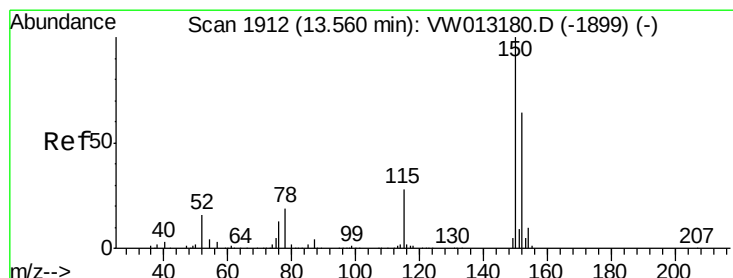
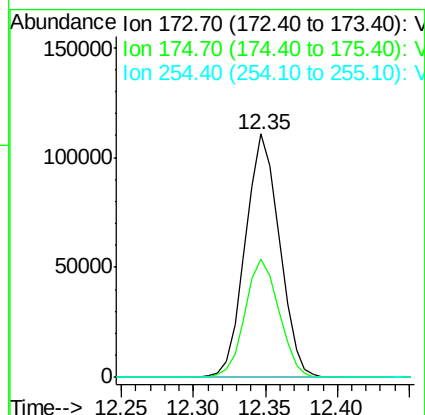
MSVOA_W

ClientSampleId :

VSTDIC100

Manual Integrations
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9/24/2019 5:28:48 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

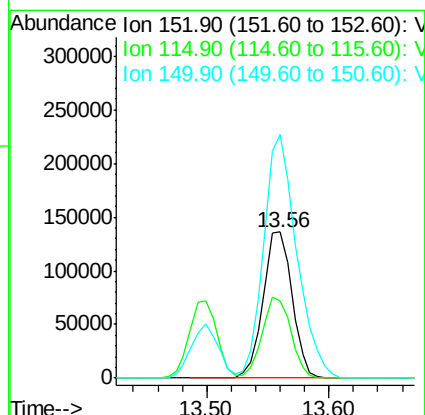
RT: 13.56 min Scan# 1912

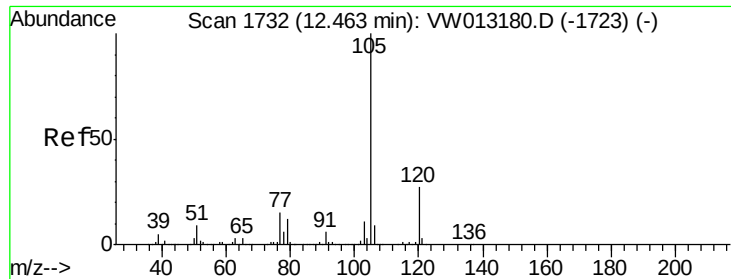
Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.3	81.9
150	188.9	0.0	349.0





#73

Isopropylbenzene

Concen: 112.131 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1713236

Ion Ratio Lower Upper

105 100

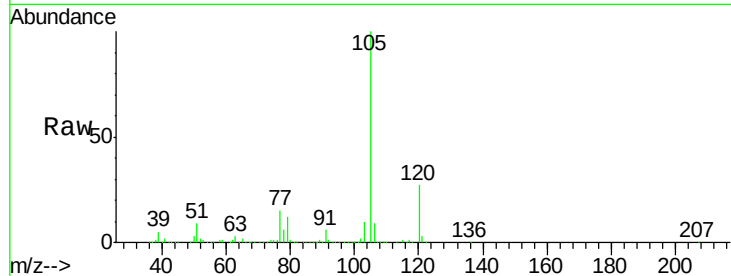
120 26.6 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

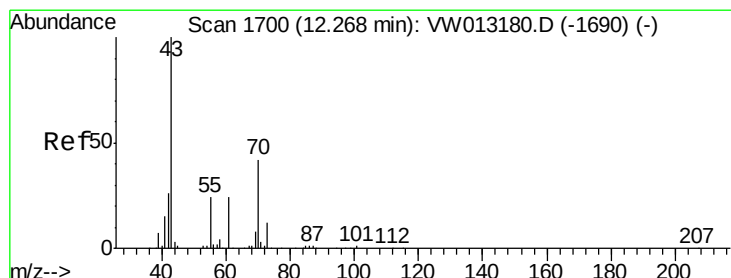
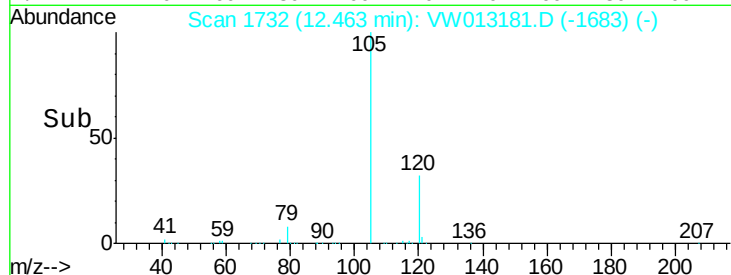
400000

200000

0

12.46

Time-->



#74

N-ethyl acetate

Concen: 104.020 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion: 43 Resp: 398444

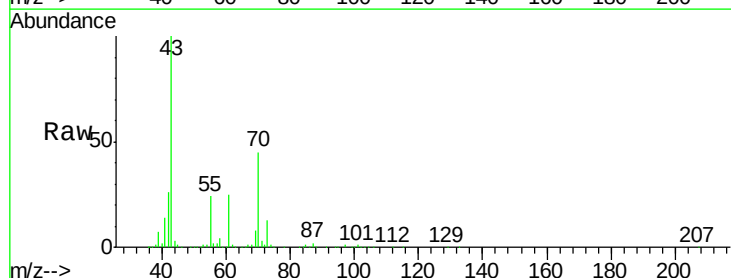
Ion Ratio Lower Upper

43 100

70 44.1 35.1 52.7

55 24.6 19.9 29.9

61 25.0 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

400000

300000

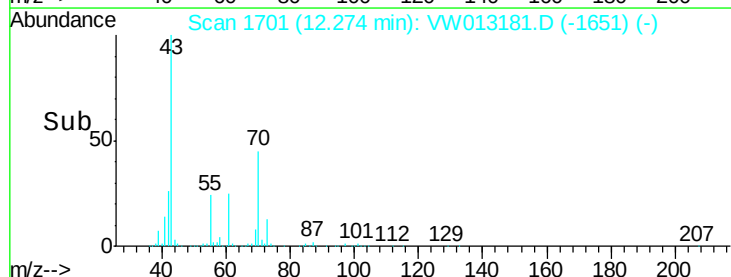
200000

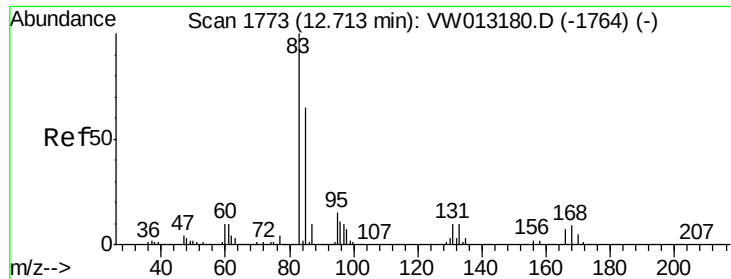
100000

0

12.27

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 107.086 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

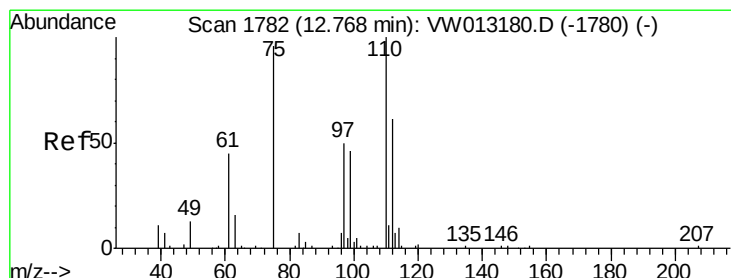
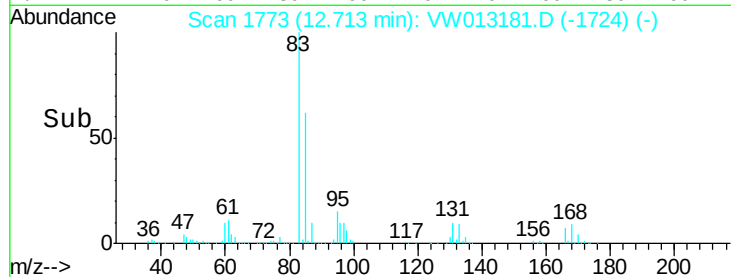
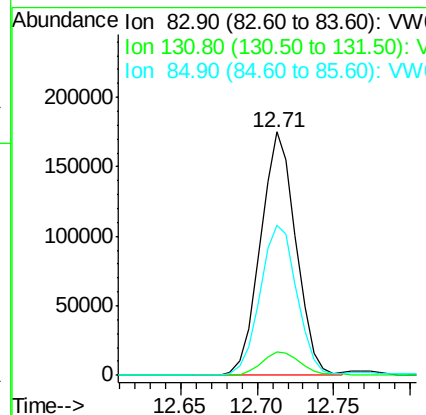
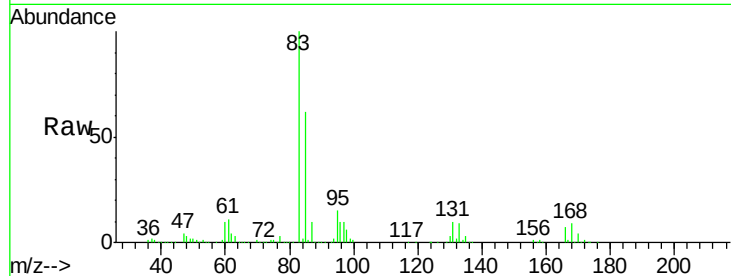
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	282814
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.8	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 93.291 ug/l m

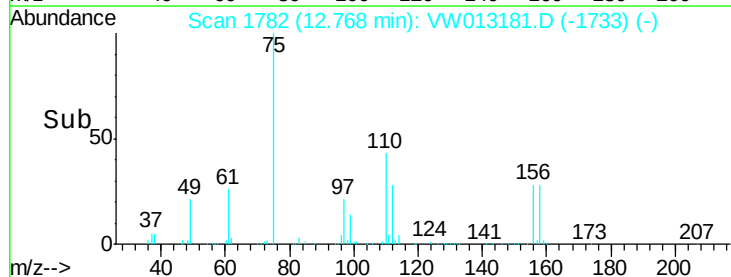
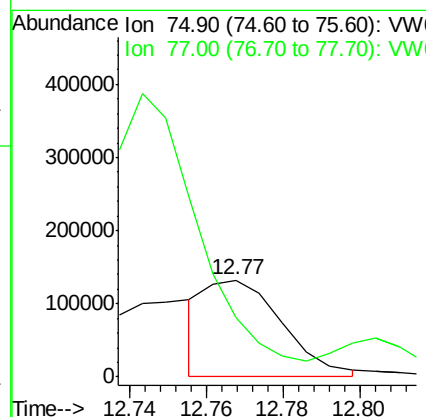
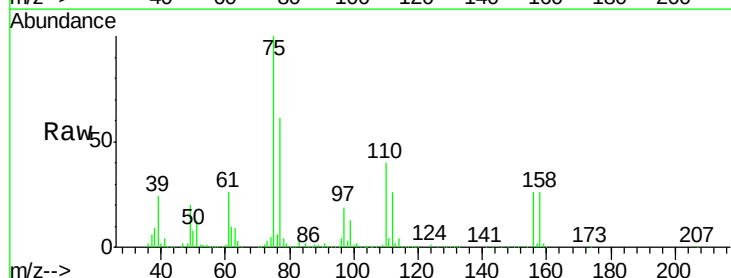
RT: 12.77 min Scan# 1782

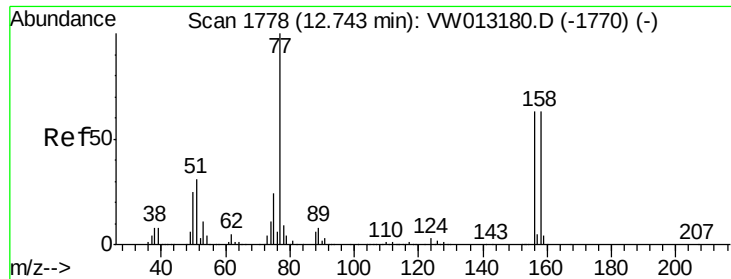
Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion:	75	Resp:	184657
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 112.784 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

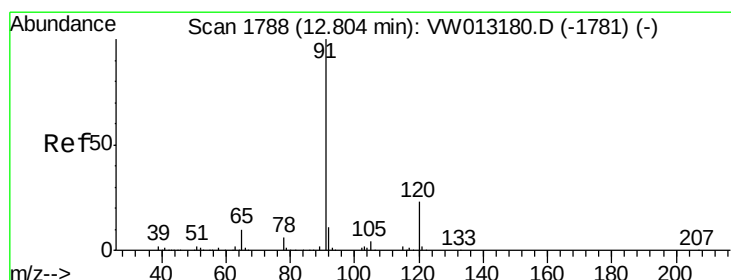
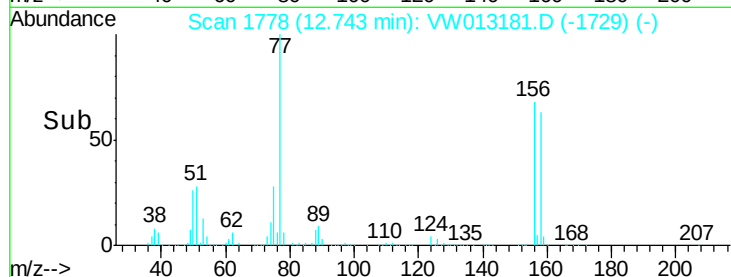
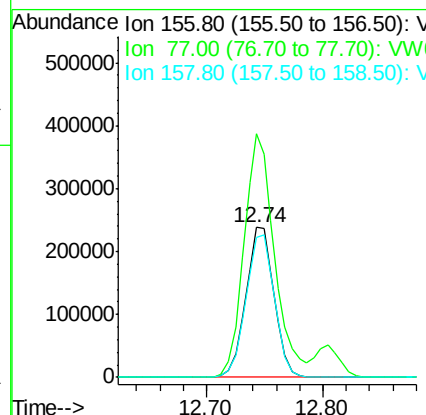
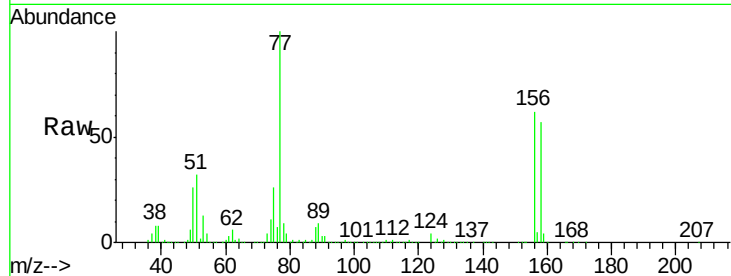
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
156	100	401456		
77	174.8	85.7	257.1	
158	96.2	48.1	144.4	

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#78

n-propylbenzene

Concen: 111.510 ug/l

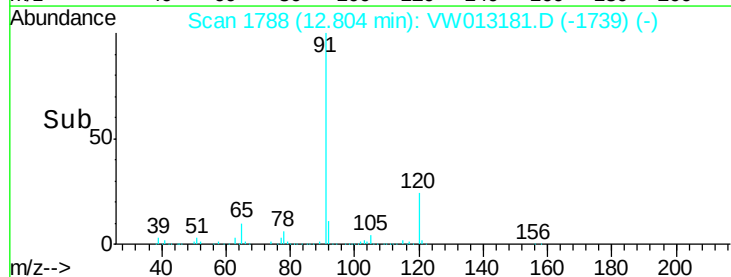
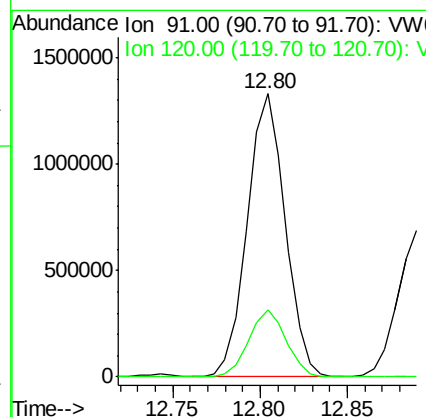
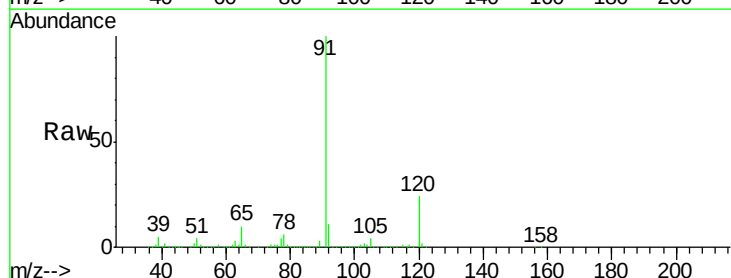
RT: 12.80 min Scan# 1788

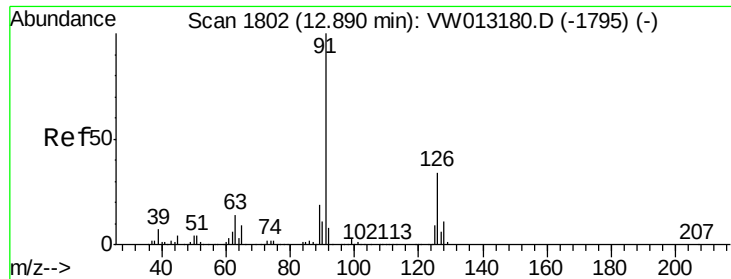
Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2002805		
120	23.4	11.7	35.1	





#79

2-Chlorotoluene

Concen: 108.108 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1112397

Ion Ratio Lower Upper

91 100

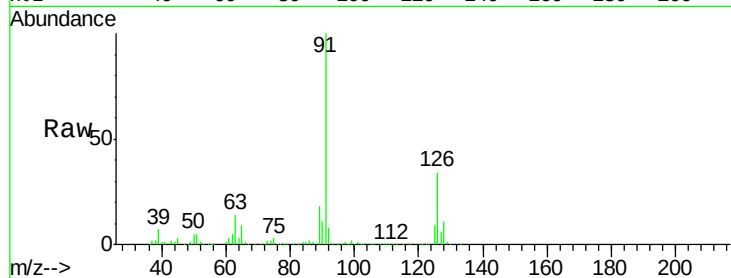
126 34.3 17.2 51.5

Manual Integrations

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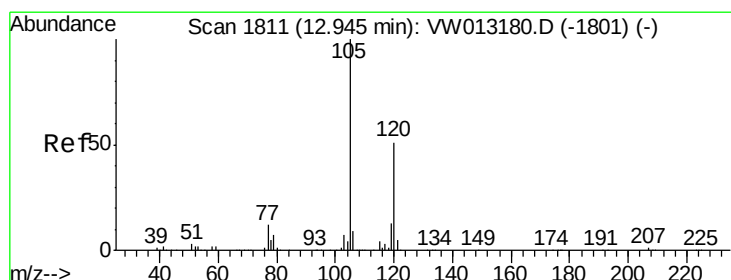
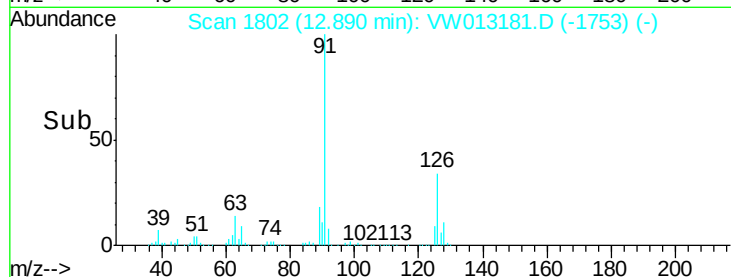
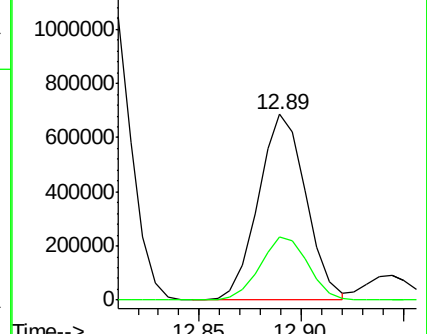
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 110.917 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013181.D

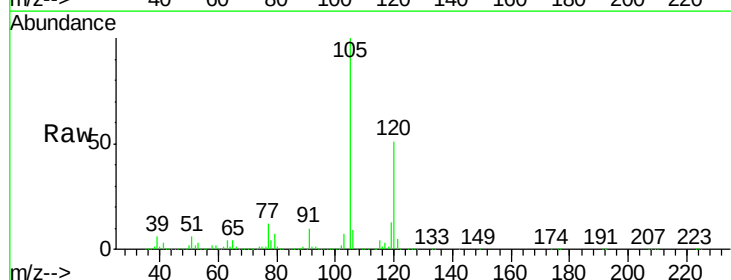
Acq: 20 Sep 2019 14:27

Tgt Ion:105 Resp: 1435571

Ion Ratio Lower Upper

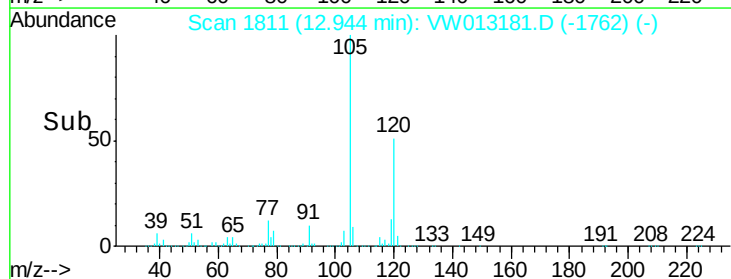
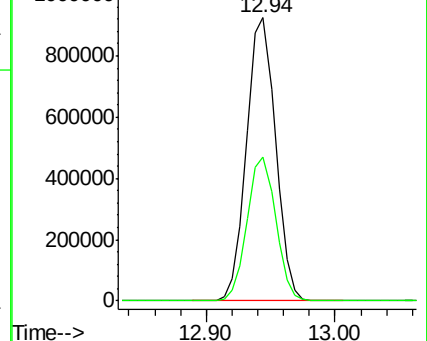
105 100

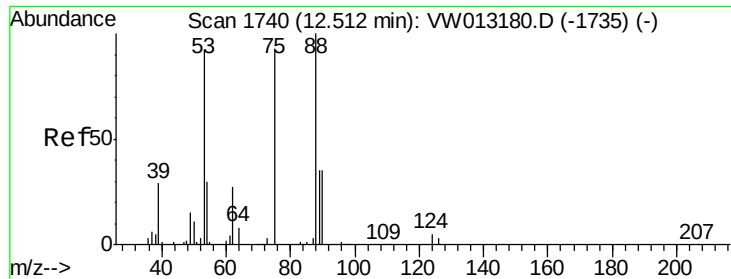
120 50.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





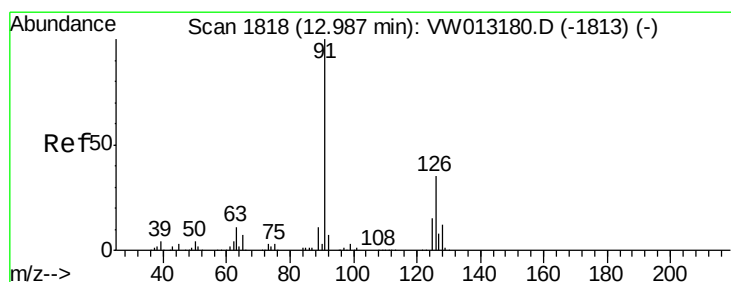
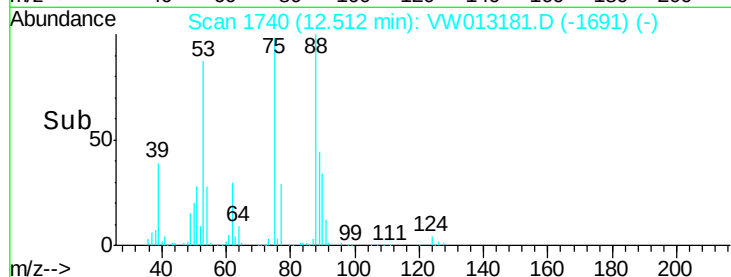
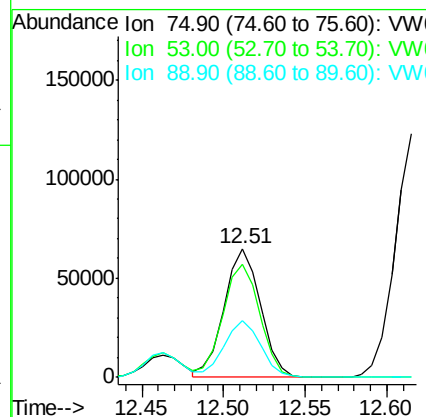
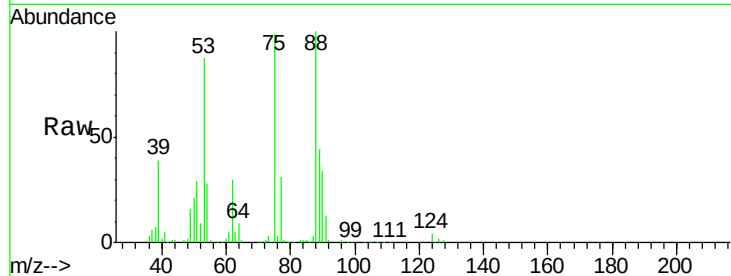
#81
trans-1,4-Dichloro-2-butene
Concen: 114.127 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	76.6	114.8
89	44.5	33.5	50.3

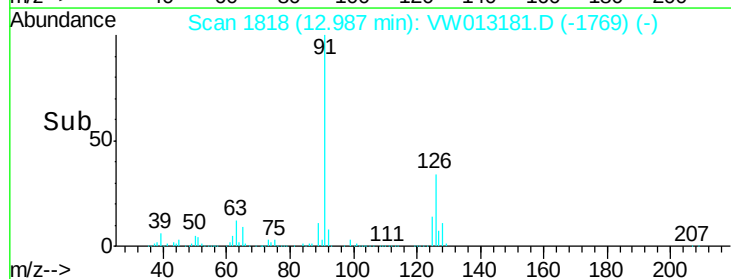
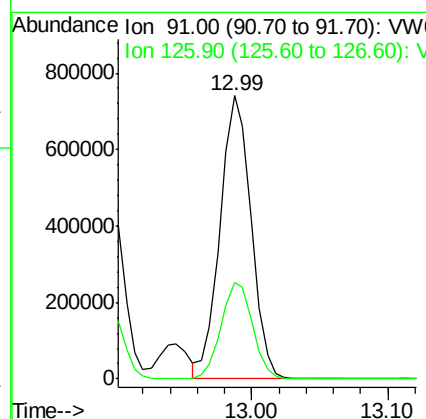
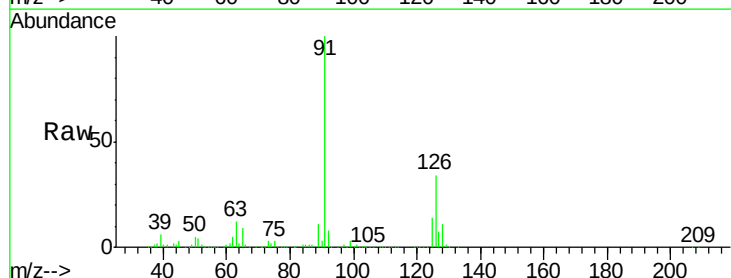
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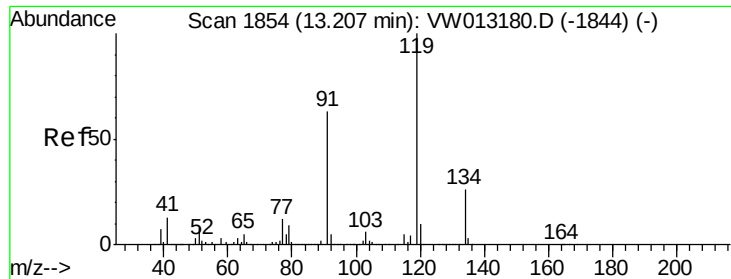
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#82
4-Chlorotoluene
Concen: 108.017 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	51.7





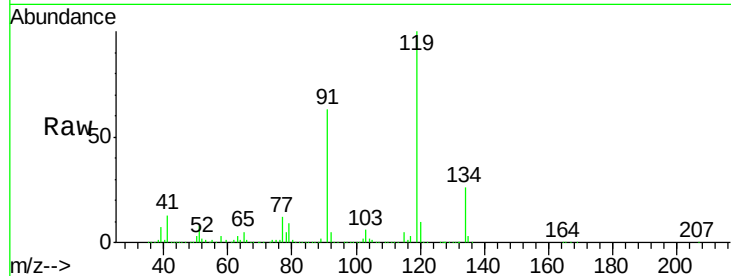
#83
 tert-Butylbenzene
 Concen: 108.512 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

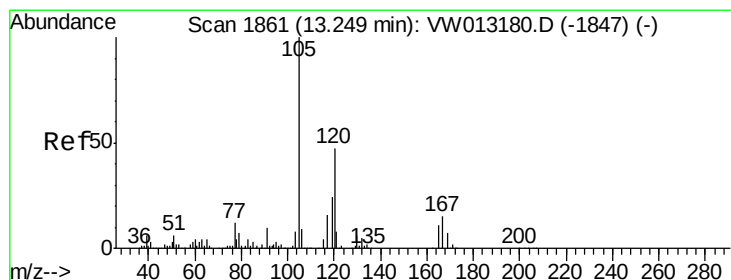
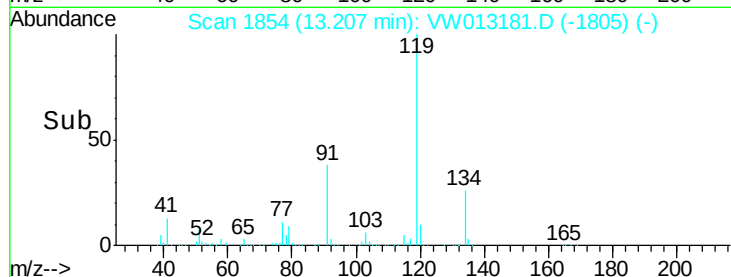
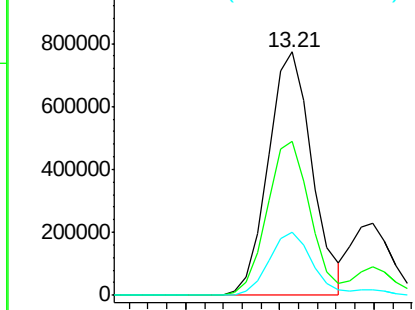
Tot Ion:119 Resp: 1250377
 Ion Ratio Lower Upper
 119 100
 91 62.1 30.7 92.1
 134 27.1 12.6 37.6

Manual Integrations
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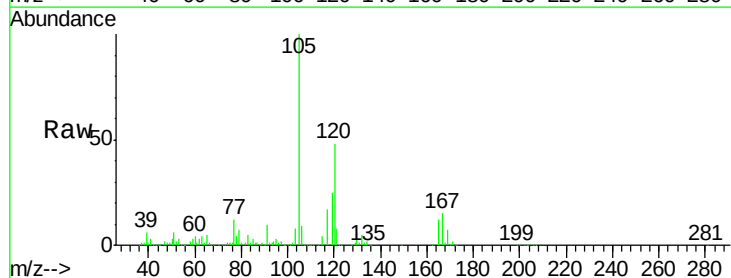


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

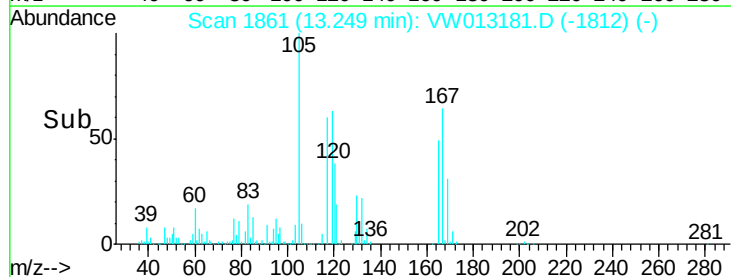
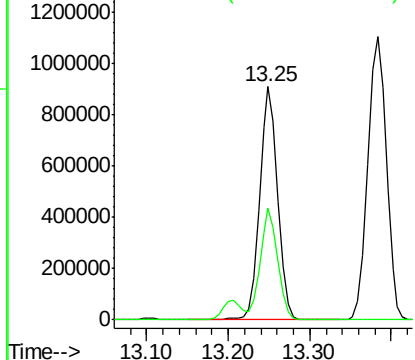


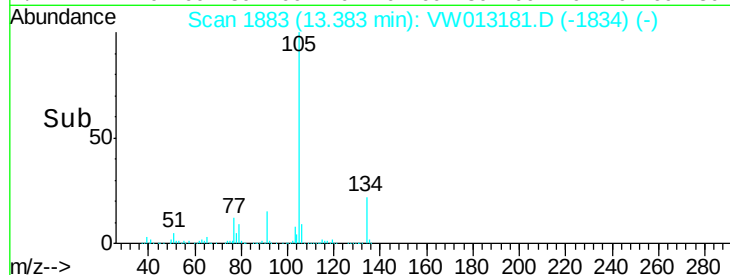
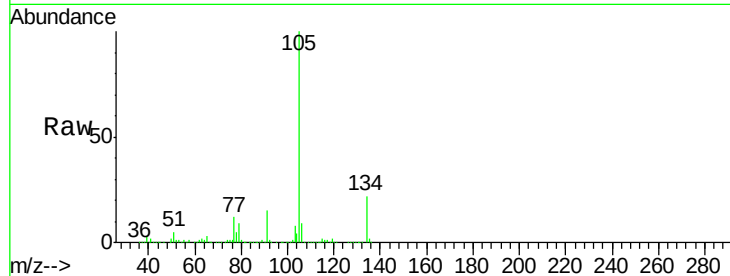
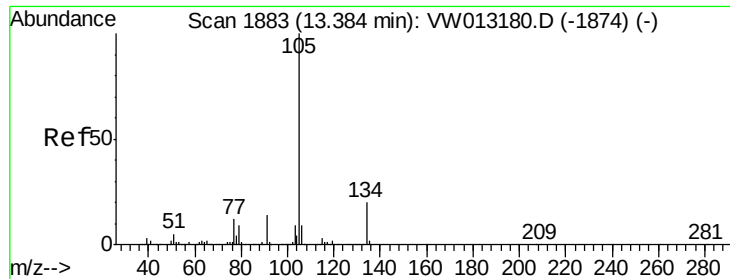
#84
 1,2,4-Trimethylbenzene
 Concen: 110.346 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion:105 Resp: 1410432
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





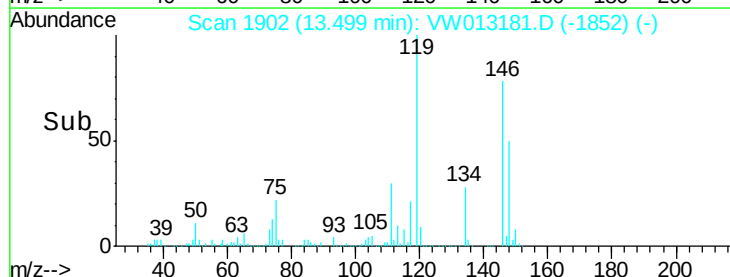
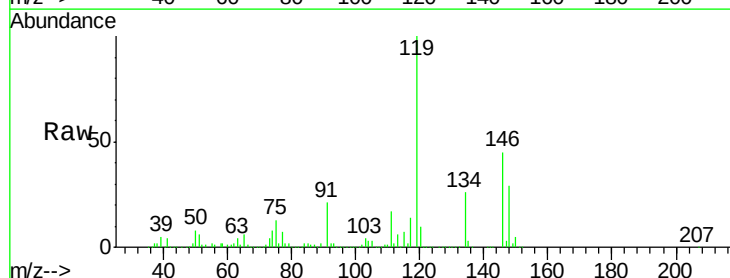
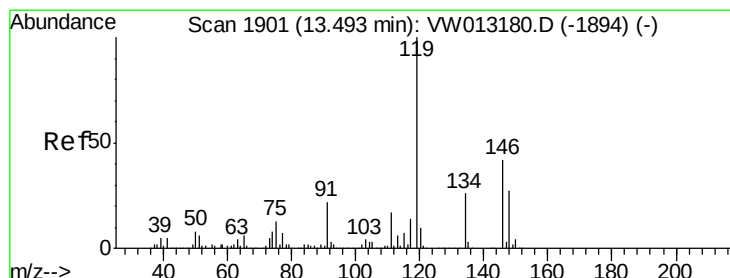
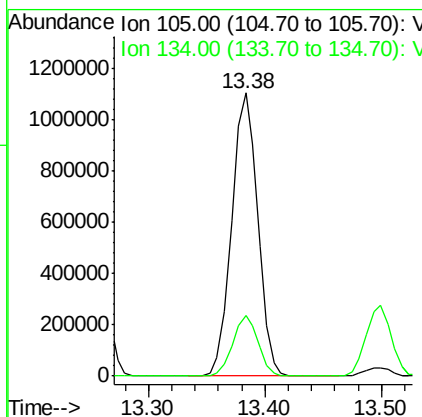
#85
 sec-Butylbenzene
 Concen: 109.222 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tot Ion:105 Resp: 1720034
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

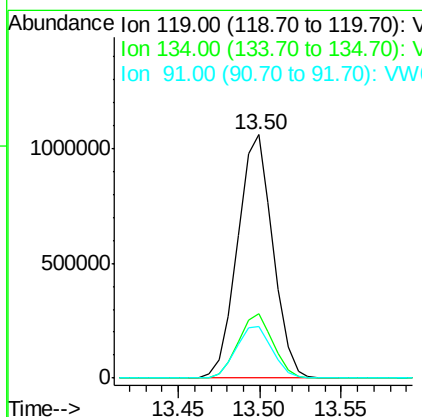
Manual Integrations
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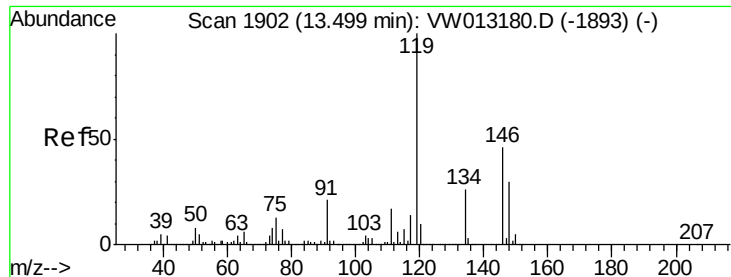
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#86
 p-Isopropyltoluene
 Concen: 109.870 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion:119 Resp: 1590959
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.8
 91 21.9 10.8 32.4





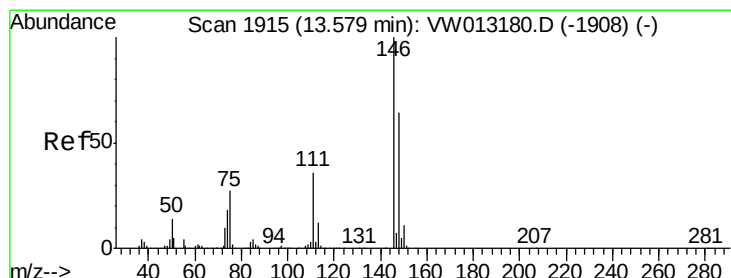
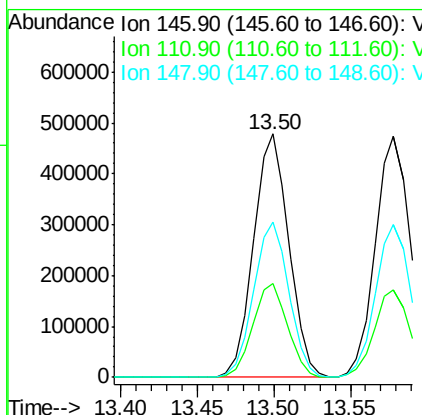
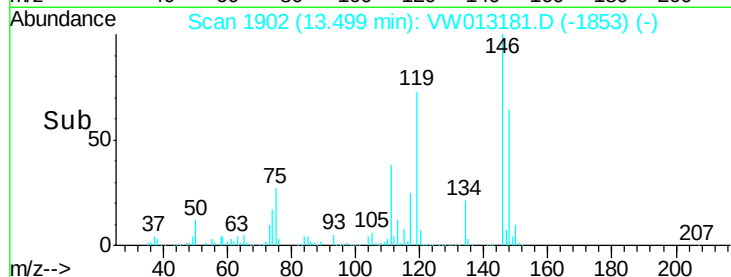
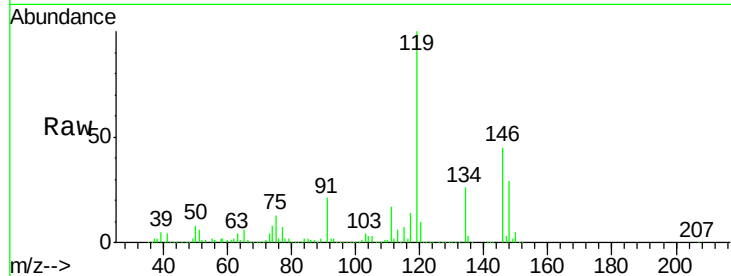
#87
 1,3-Dichlorobenzene
 Concen: 109.954 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.7	31.9	95.5

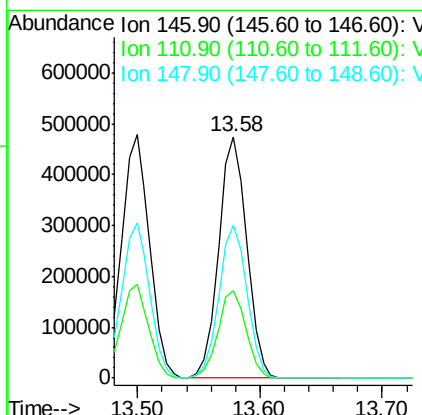
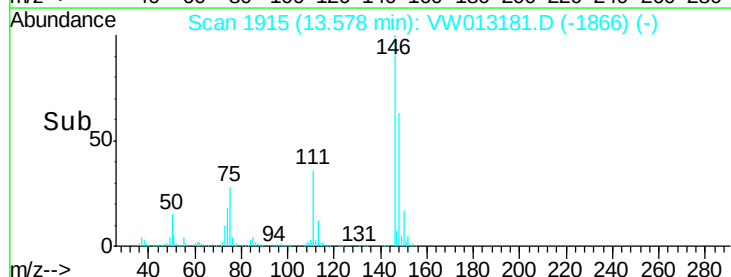
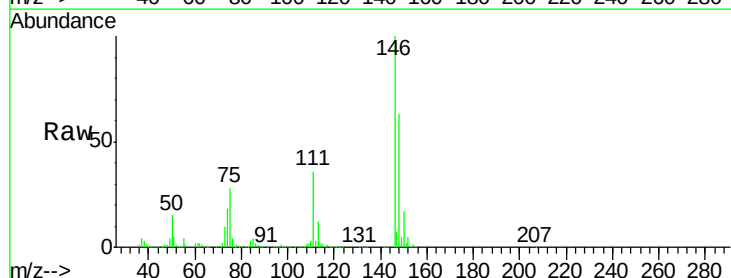
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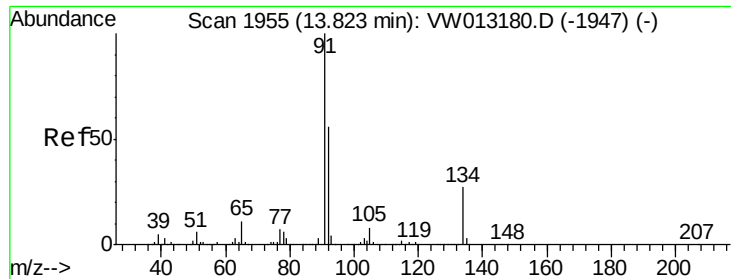
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 9/24/2019 5:28:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 110.204 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.0
148	63.6	32.1	96.3





#89

n-Butylbenzene

Concen: 108.928 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1479658

Ion Ratio Lower Upper

91 100

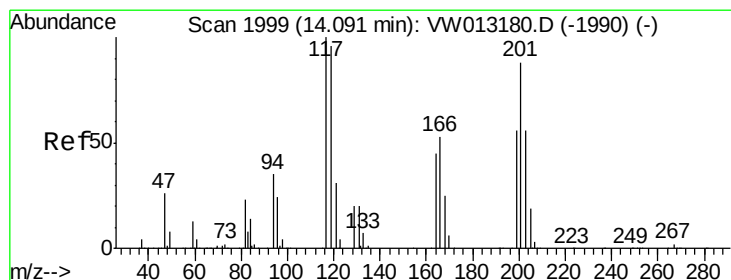
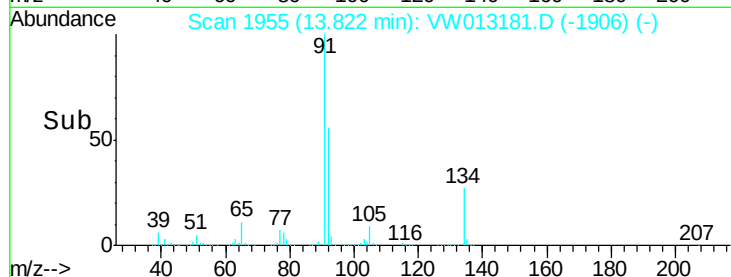
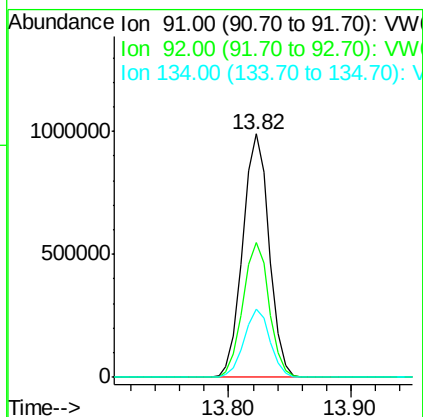
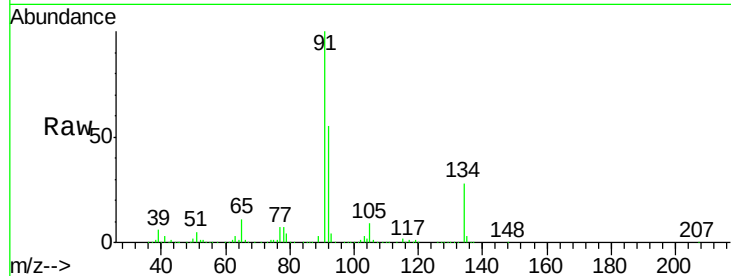
92 55.2 27.6 82.8

134 27.5 13.7 41.1

Manual Integrations
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#90

Hexachloroethane

Concen: 109.143 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013181.D

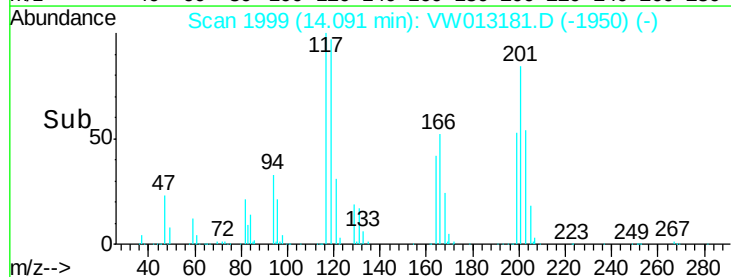
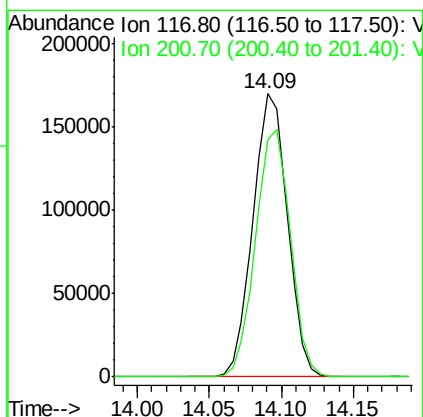
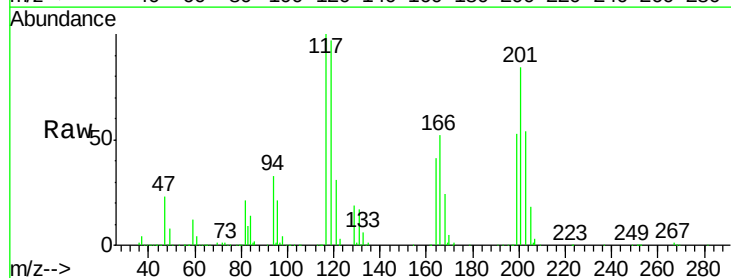
Acq: 20 Sep 2019 14:27

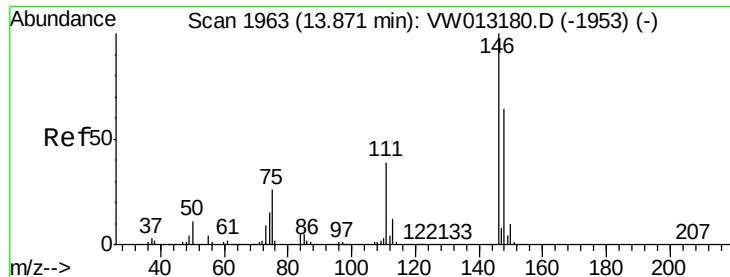
Tgt Ion: 117 Resp: 280988

Ion Ratio Lower Upper

117 100

201 88.3 44.5 133.5





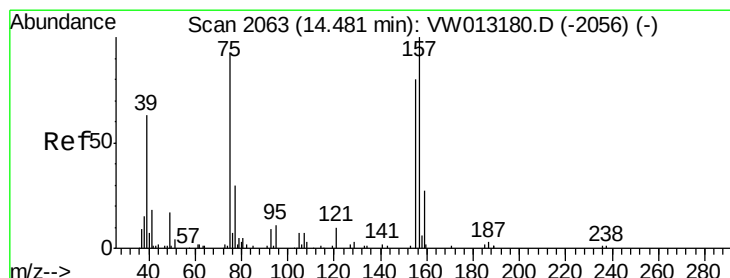
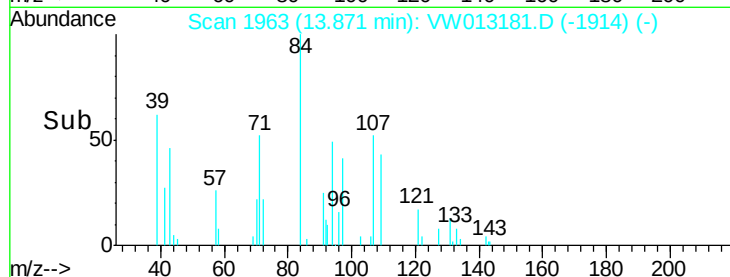
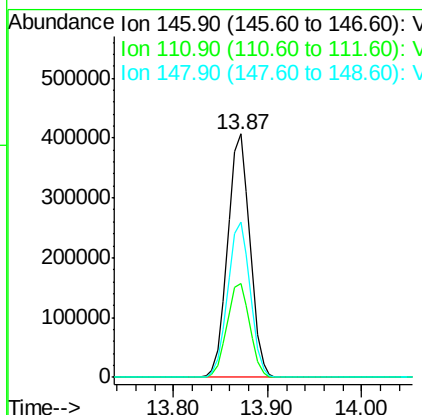
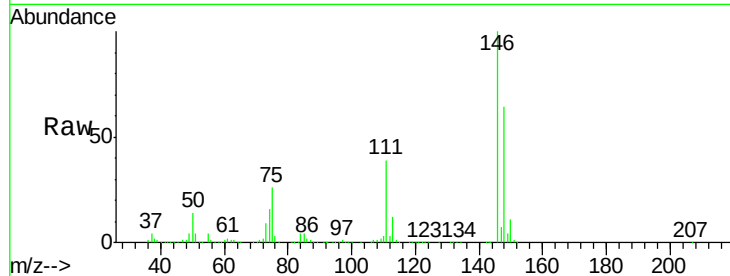
#91
 1,2-Dichlorobenzene
 Concen: 108.837 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.1	60.3
148	64.2	32.0	96.0

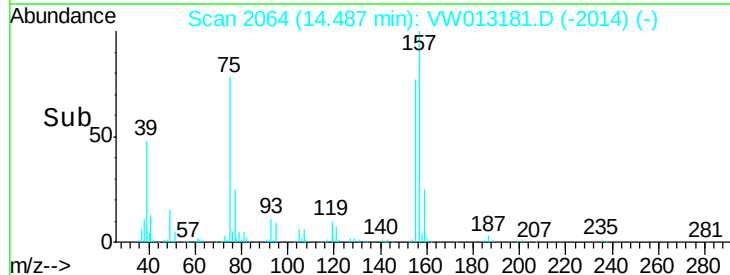
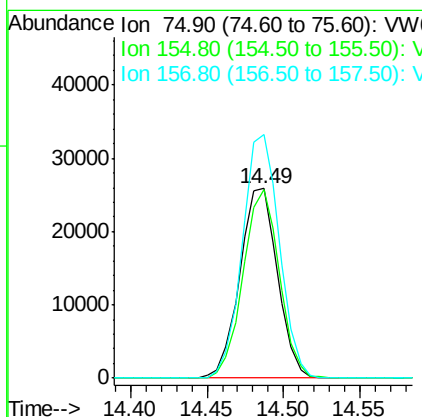
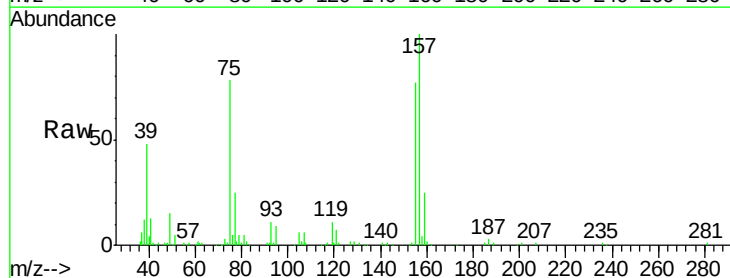
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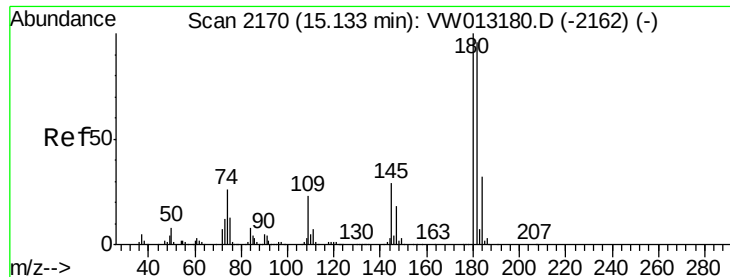
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.336 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	46.1	138.3
157	126.1	60.4	181.2





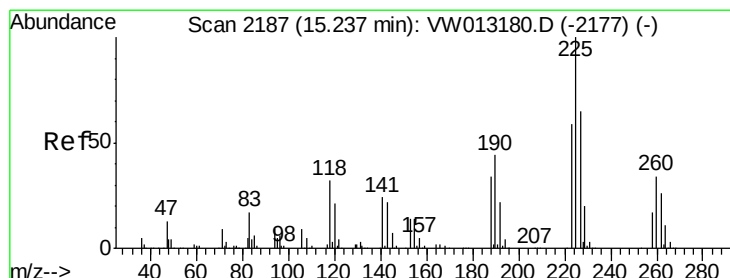
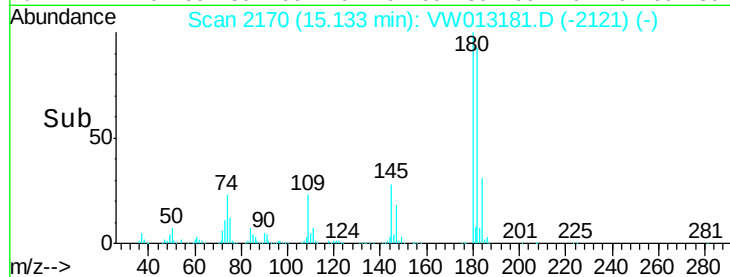
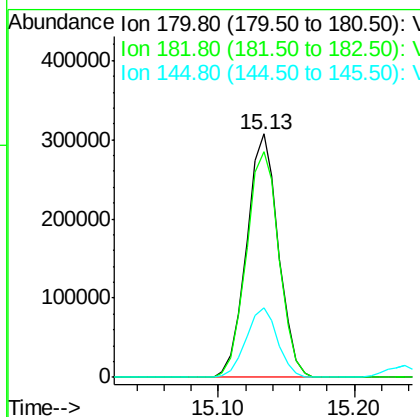
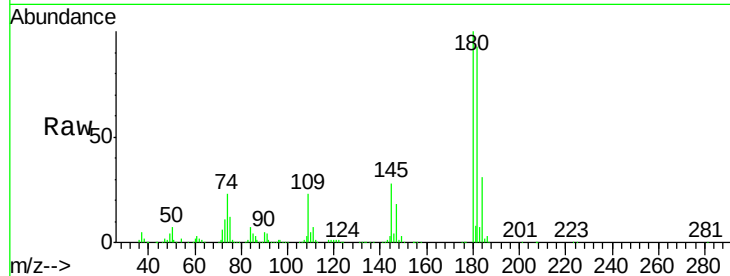
#93
 1,2,4-Trichlorobenzene
 Concen: 114.728 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.3	142.0	
145	28.5	14.2	42.8	

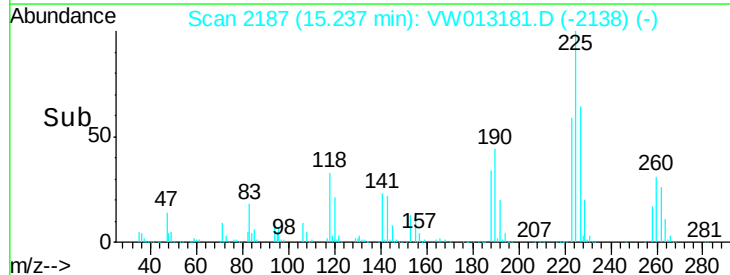
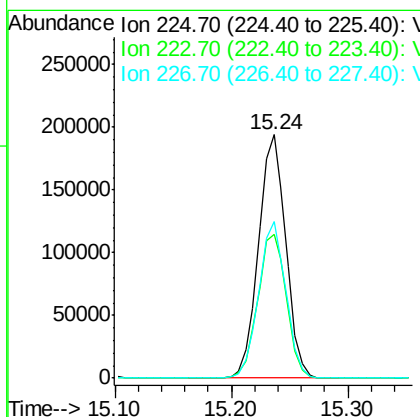
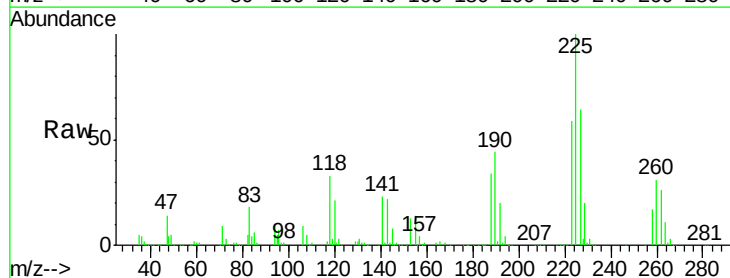
Manual Integrations
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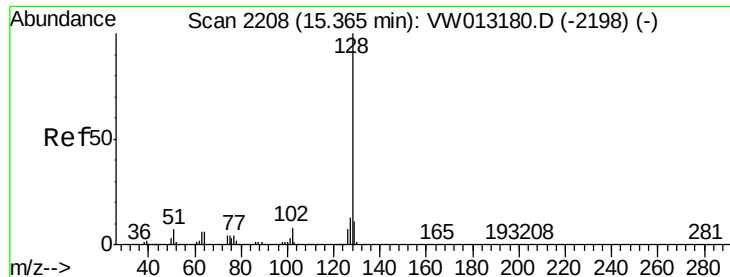
MMDadoda
 9/24/2019 5:28:48 AM



#94
 Hexachlorobutadiene
 Concen: 102.642 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	30.6	91.8	
227	64.1	31.9	95.9	





#95

Naphthalene

Concen: 119.052 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

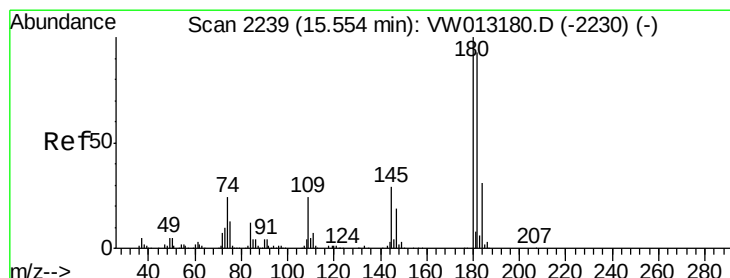
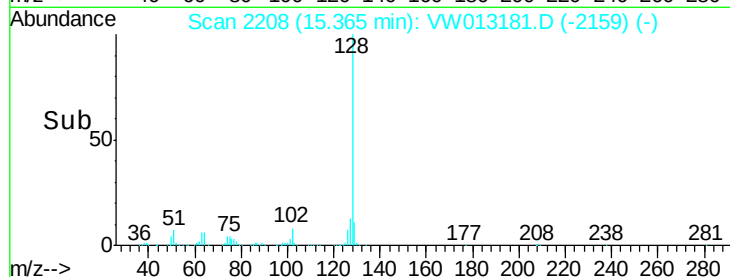
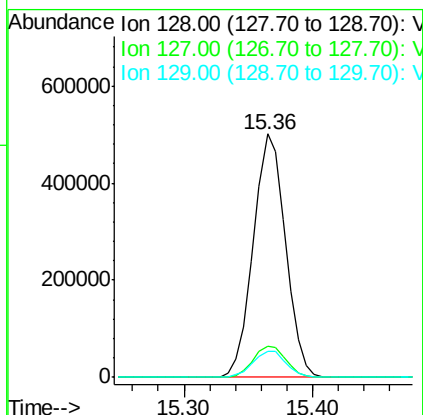
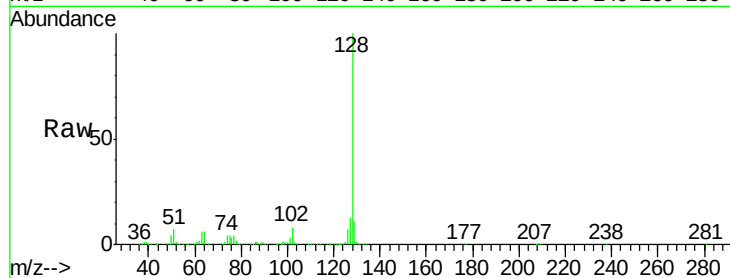
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	864609
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 112.728 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion:	180	Resp:	435087
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.7
145	30.6	15.0	45.0

