

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013265.D
 Acq On : 24 Sep 2019 08:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:56 AM

Quant Time: Sep 24 09:06:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	224906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	145319	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	137859	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.32	98	588574	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	204521	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	37353	19.164	ug/l	96
3) Chloromethane	2.20	50	52525	20.963	ug/l	99
4) Vinyl Chloride	2.36	62	65389	20.243	ug/l	100
5) Bromomethane	2.76	94	40951	20.005	ug/l	88
6) Chloroethane	2.90	64	38978	20.471	ug/l	100
7) Trichlorofluoromethane	3.25	101	29955	16.082	ug/l	97
8) Diethyl Ether	3.68	74	36487	22.934	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60016	19.791	ug/l	99
10) Methyl Iodide	4.26	142	96296	20.482	ug/l	99
11) Tert butyl alcohol	5.20	59	25277	122.157	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	60804	19.363	ug/l	97
13) Acrolein	3.89	56	10452	65.838	ug/l	94
14) Allyl chloride	4.66	41	97245	19.458	ug/l	98
15) Acrylonitrile	5.36	53	81901	119.269	ug/l	99
16) Acetone	4.12	43	58381	93.874	ug/l #	87
17) Carbon Disulfide	4.37	76	155784	17.164	ug/l	100
18) Methyl Acetate	4.67	43	57263	32.756	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	108152	22.472	ug/l	97
20) Methylene Chloride	4.91	84	79853	23.571	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	70799	20.860	ug/l	99
22) Diisopropyl ether	6.31	45	204366	21.504	ug/l	96
23) Vinyl Acetate	6.25	43	550437	97.631	ug/l	99
24) 1,1-Dichloroethane	6.21	63	118941	20.741	ug/l	100
25) 2-Butanone	7.17	43	105640	113.155	ug/l	99
26) 2,2-Dichloropropane	7.16	77	58710	14.763	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	75466	21.070	ug/l	98
28) Bromochloromethane	7.51	49	41024	18.639	ug/l #	99
29) Tetrahydrofuran	7.53	42	72372	126.405	ug/l	98
30) Chloroform	7.67	83	115679	20.604	ug/l	94
31) Cyclohexane	7.95	56	119029	19.912	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	90122	19.819	ug/l	99
36) 1,1-Dichloropropene	8.07	75	94447	19.034	ug/l	99
37) Ethyl Acetate	7.25	43	46599	22.097	ug/l	99
38) Carbon Tetrachloride	8.07	117	82324	18.508	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	123800	19.414	ug/l	97
40) Benzene	8.32	78	280849	20.292	ug/l	100
41) Methacrylonitrile	7.48	41	32789	26.051	ug/l	89
42) 1,2-Dichloroethane	8.40	62	75089	20.182	ug/l	97
43) Isopropyl Acetate	8.42	43	88027	21.779	ug/l	97
44) Trichloroethene	9.09	130	78451	20.202	ug/l	98
45) 1,2-Dichloropropane	9.37	63	69480	20.562	ug/l	97
46) Dibromomethane	9.46	93	33838	20.626	ug/l	97
47) Bromodichloromethane	9.64	83	80329	19.243	ug/l	93
48) Methyl methacrylate	9.43	41	42324	22.269	ug/l	98
49) 1,4-Dioxane	9.47	88	12702	515.808	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	238090	117.502	ug/l	98
52) Toluene	10.38	92	178138	20.082	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	82667	19.275	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	99219	19.027	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	51030	20.811	ug/l	95
56) Ethyl methacrylate	10.65	69	71194	22.185	ug/l	99
57) 1,3-Dichloropropane	10.93	76	91020	21.272	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	171672	115.555	ug/l	100
59) 2-Hexanone	10.96	43	163025	116.942	ug/l	99
60) Dibromochloromethane	11.13	129	56163	20.171	ug/l	99
61) 1,2-Dibromoethane	11.23	107	49038	21.034	ug/l	95
64) Tetrachloroethene	10.86	164	79417	23.184	ug/l	99
65) Chlorobenzene	11.65	112	186273	19.758	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	64392	19.993	ug/l	98
67) Ethyl Benzene	11.73	91	344334	20.158	ug/l	97
68) m/p-Xylenes	11.84	106	259566	39.876	ug/l	100
69) o-Xylene	12.16	106	121379	20.057	ug/l	100
70) Styrene	12.18	104	208380	20.056	ug/l	99
71) Bromoform	12.35	173	33732	19.824	ug/l #	99
73) Isopropylbenzene	12.46	105	340133	20.473	ug/l	99
74) N-amyl acetate	12.27	43	80497	21.835	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	58912	21.202	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	45736m	23.027	ug/l	
77) Bromobenzene	12.74	156	81096	20.598	ug/l	99
78) n-propylbenzene	12.80	91	389519	20.030	ug/l	99
79) 2-Chlorotoluene	12.89	91	223341	20.499	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	286267	20.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16557	18.705	ug/l	94
82) 4-Chlorotoluene	12.99	91	225911	19.663	ug/l	99
83) tert-Butylbenzene	13.21	119	254330	20.748	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	298320	21.466	ug/l	100
85) sec-Butylbenzene	13.38	105	344784	20.402	ug/l	98
86) p-Isopropyltoluene	13.50	119	316679	20.203	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	150037	19.801	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	148526	19.987	ug/l	97
89) n-Butylbenzene	13.82	91	285939	19.978	ug/l	99
90) Hexachloroethane	14.09	117	51538	19.572	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	133787	20.409	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9839	23.151	ug/l	90

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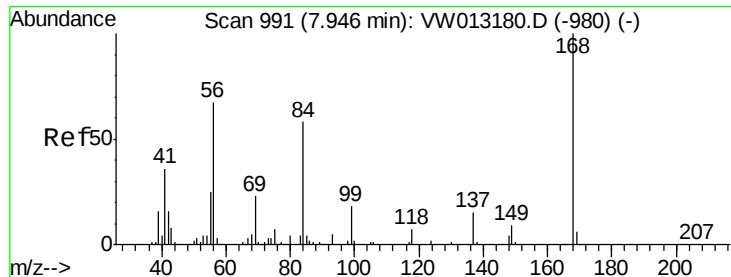
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	96024	20.442	ug/l	91
94) Hexachlorobutadiene	15.23	225	62794	19.540	ug/l	99
95) Naphthalene	15.36	128	226741	29.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	88176	21.725	ug/l	93

(#) = 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: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 337902

Ion Ratio Lower Upper

168 100

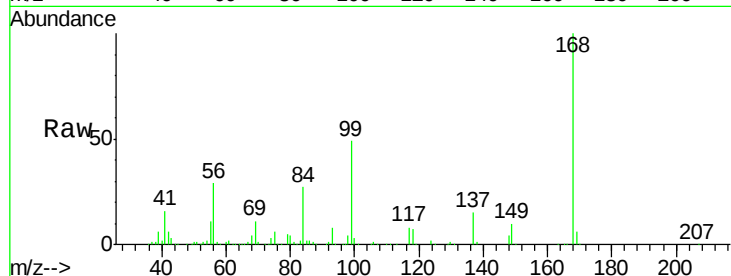
99 49.2 40.2 60.4

Manual Integrations

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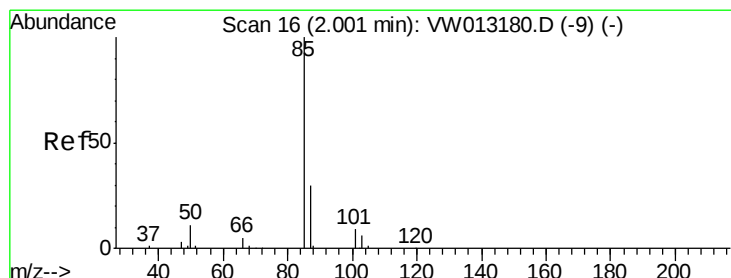
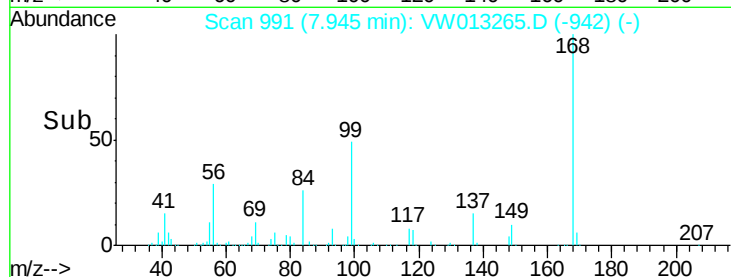
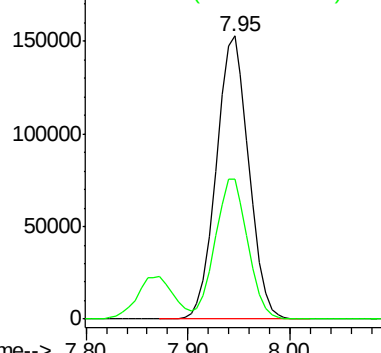
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.164 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013265.D

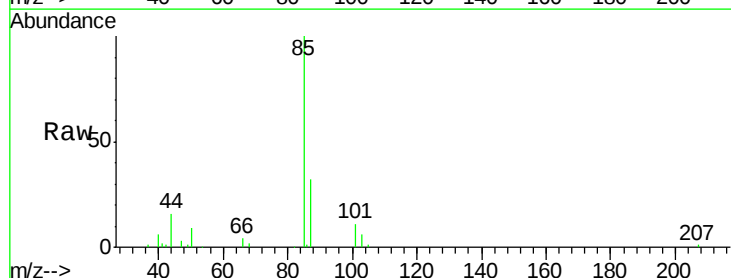
Acq: 24 Sep 2019 08:05

Tgt Ion: 85 Resp: 37353

Ion Ratio Lower Upper

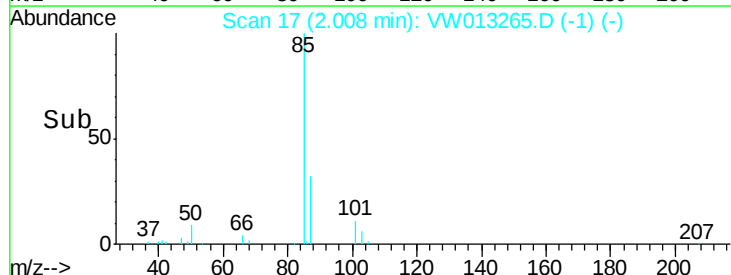
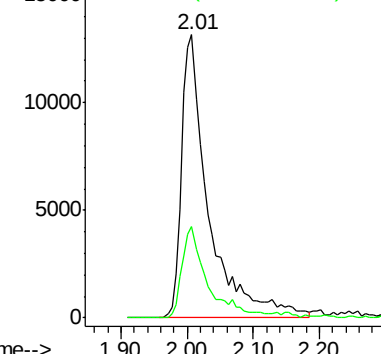
85 100

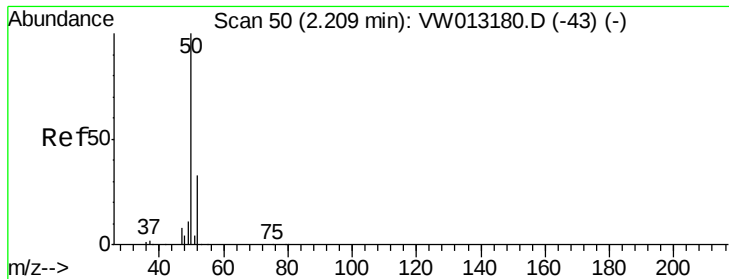
87 32.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.963 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 52525

Ion Ratio Lower Upper

50 100

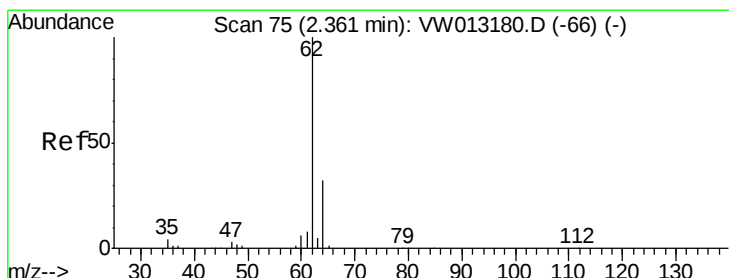
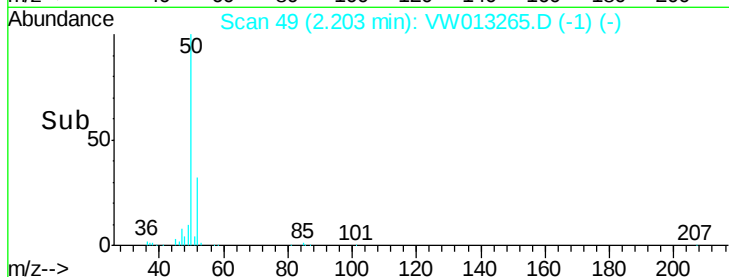
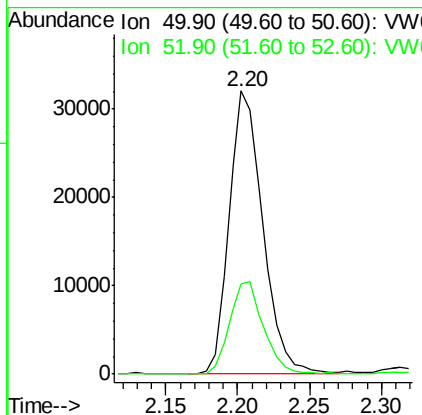
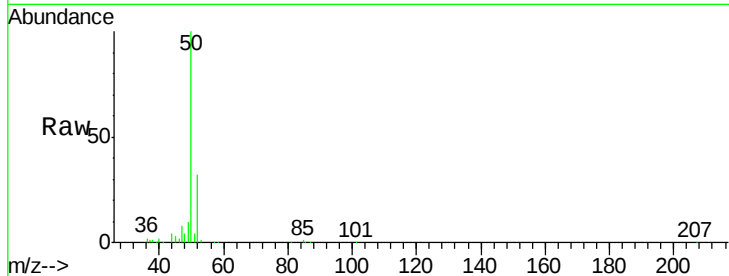
52 32.0 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.243 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013265.D

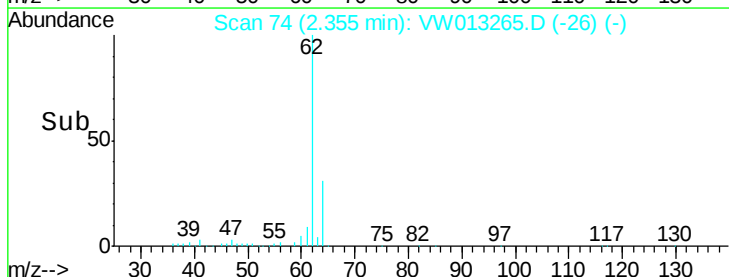
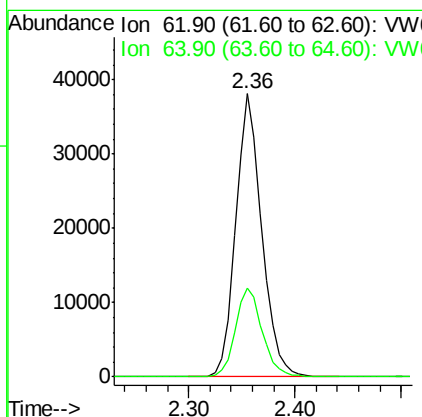
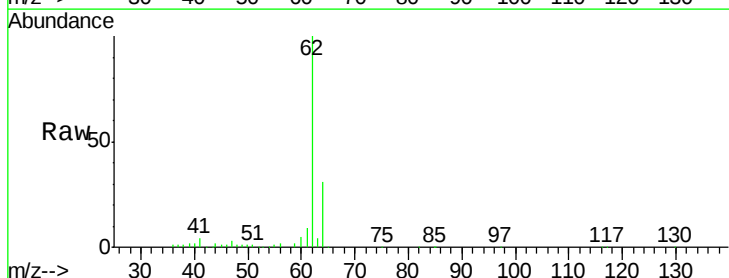
Acq: 24 Sep 2019 08:05

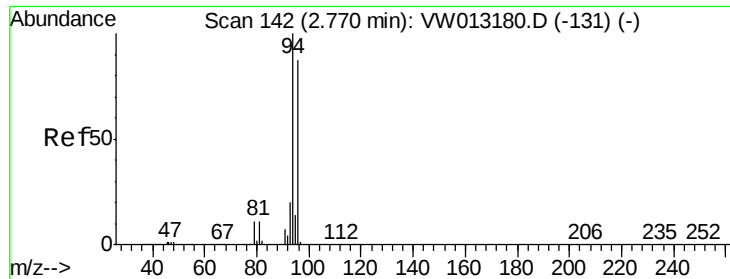
Tgt Ion: 62 Resp: 65389

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 20.005 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 40951

Ion Ratio Lower Upper

94 100

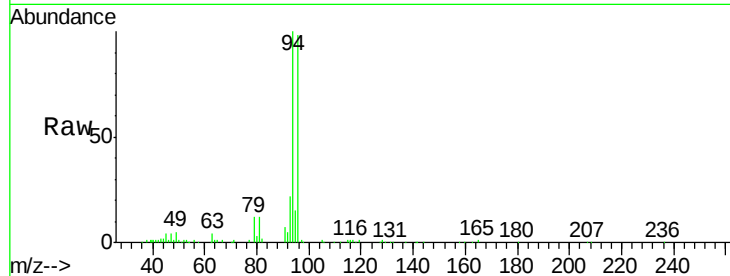
96 98.4 69.7 104.5

Manual Integrations

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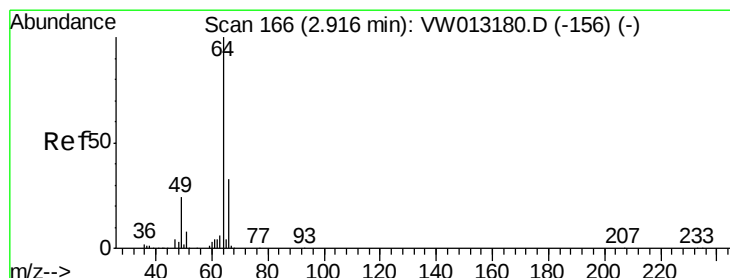
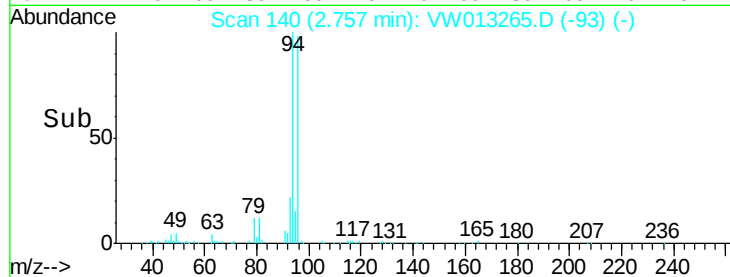
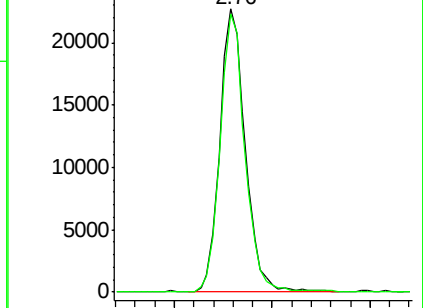
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.471 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW013265.D

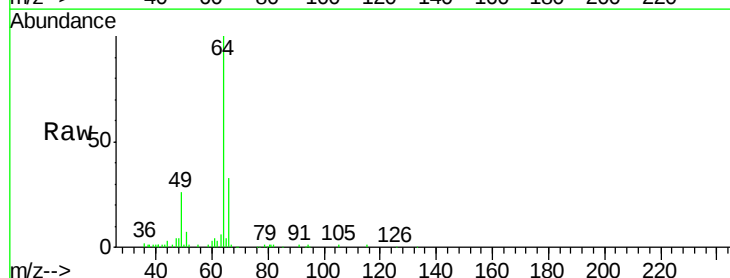
Acq: 24 Sep 2019 08:05

Tgt Ion: 64 Resp: 38978

Ion Ratio Lower Upper

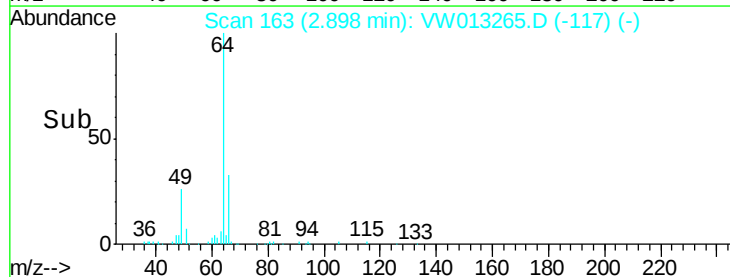
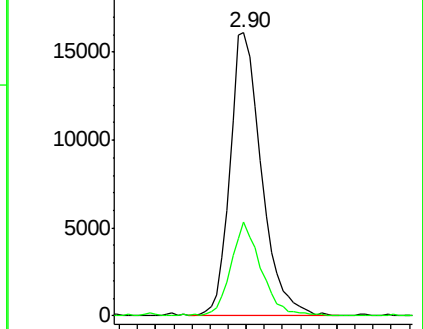
64 100

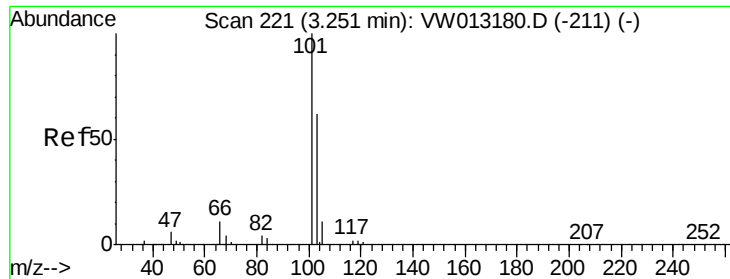
66 33.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

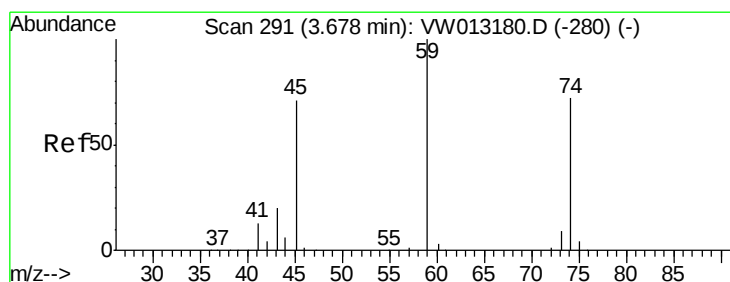
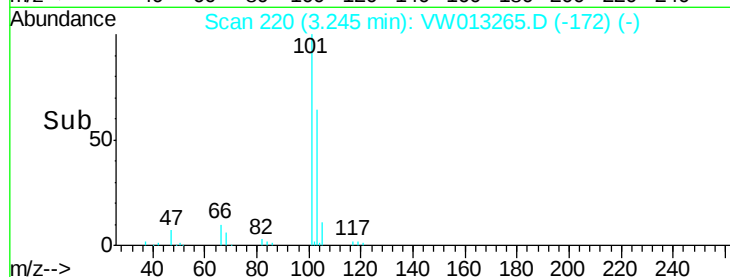
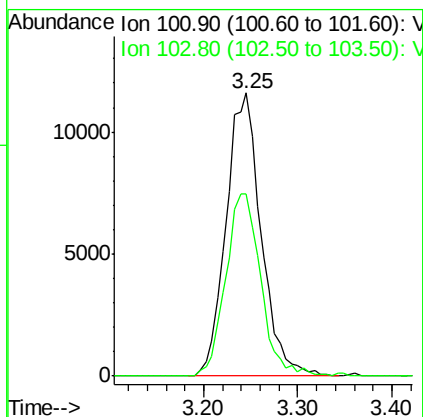
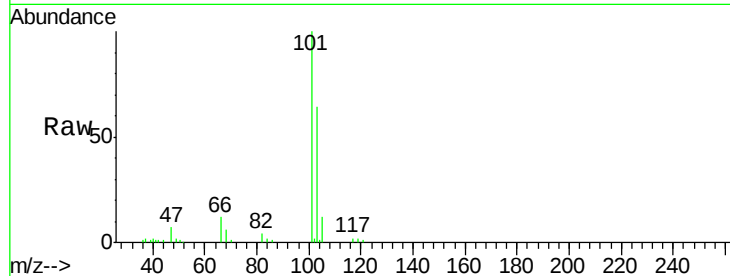
Trichlorofluoromethane
Concen: 16.082 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	49.7	74.5

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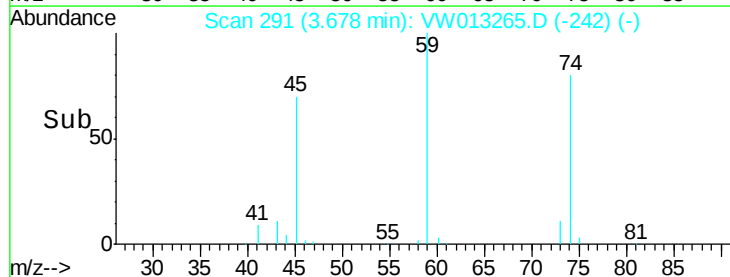
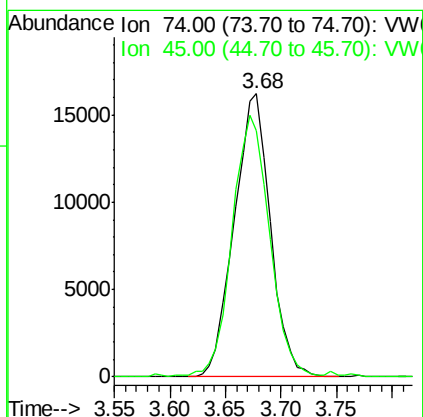
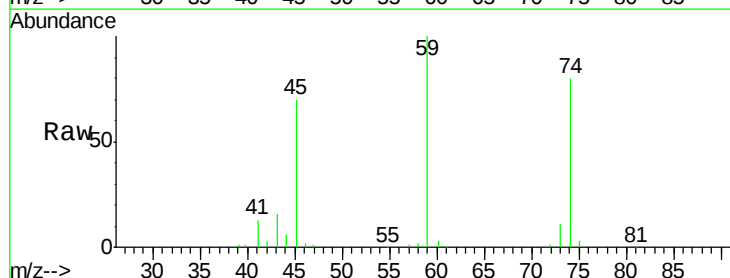
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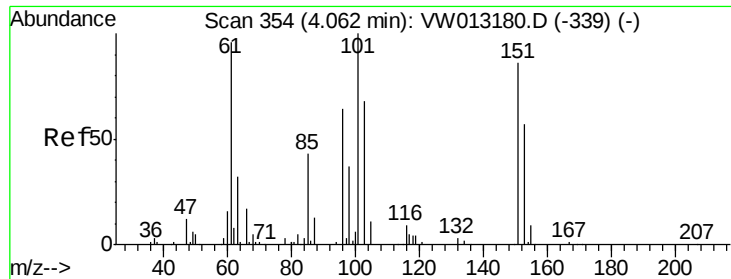


#8

Diethyl Ether
Concen: 22.934 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.791 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

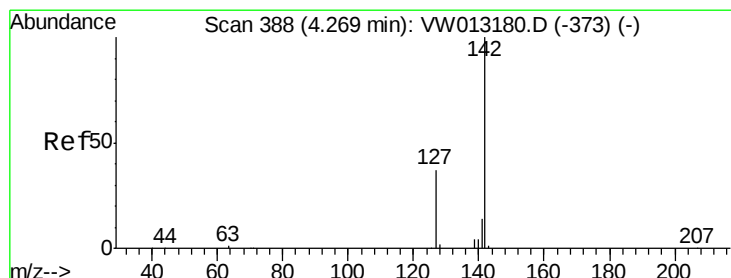
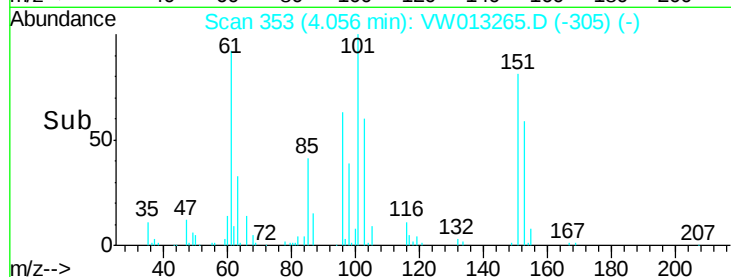
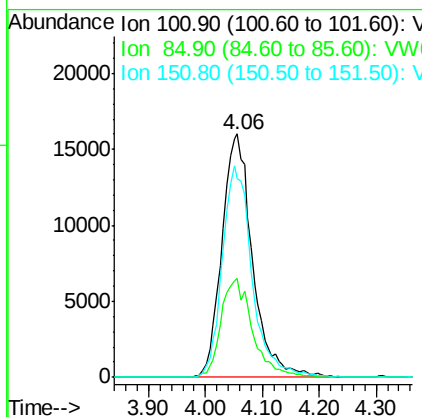
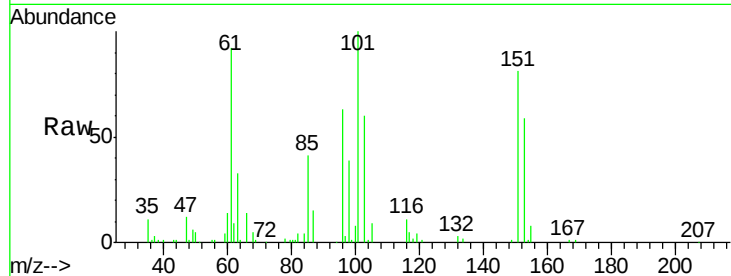
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	60016
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.4	50.0
151	84.7	66.9	100.3

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#10

Methyl Iodide

Concen: 20.482 ug/l

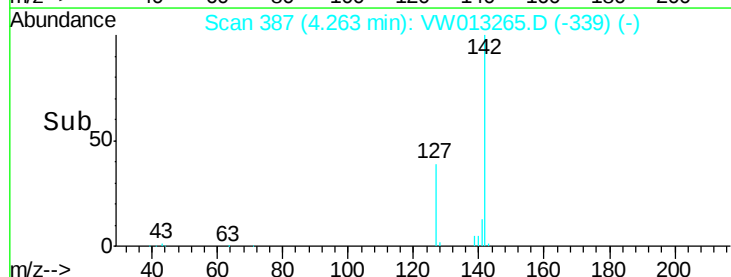
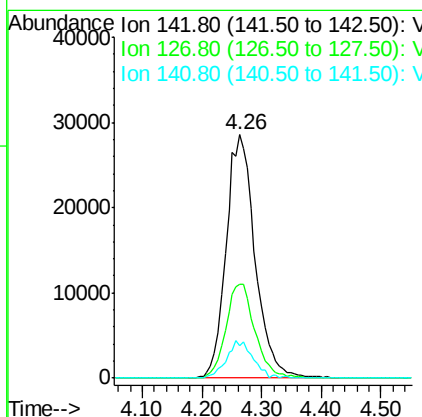
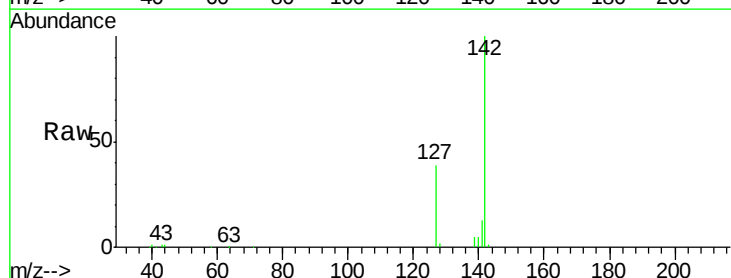
RT: 4.26 min Scan# 387

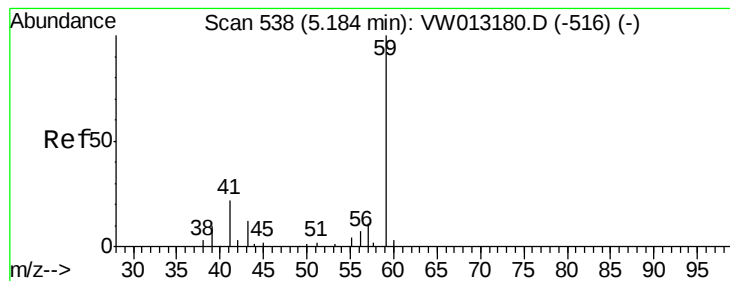
Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tgt Ion:	142	Resp:	96296
Ion Ratio	Lower	Upper	
142	100		
127	38.8	30.9	46.3
141	13.9	11.7	17.5





#11

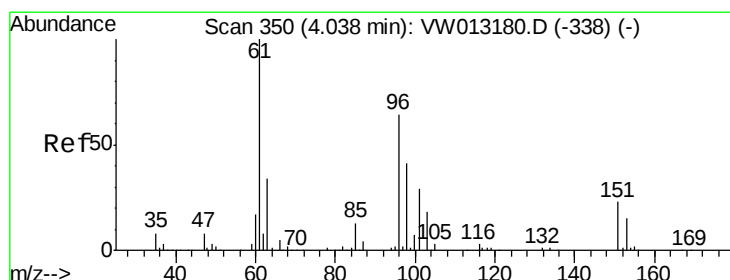
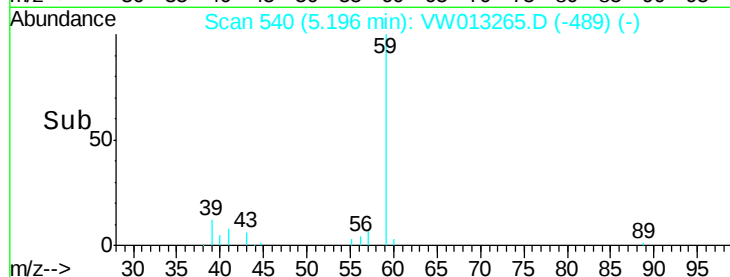
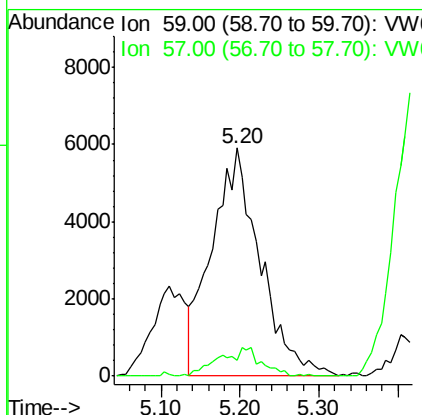
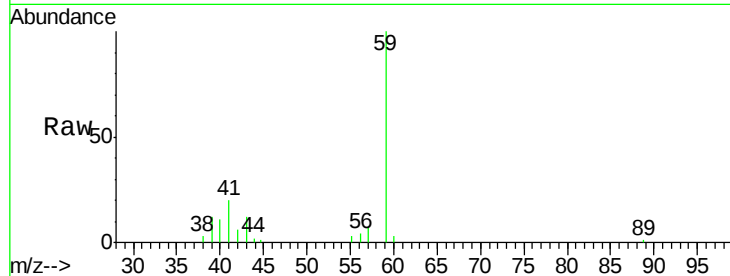
Tert butyl alcohol
 Concen: 122.157 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 25277
 Ion Ratio Lower Upper
 59 100
 57 5.5 8.2 12.2#

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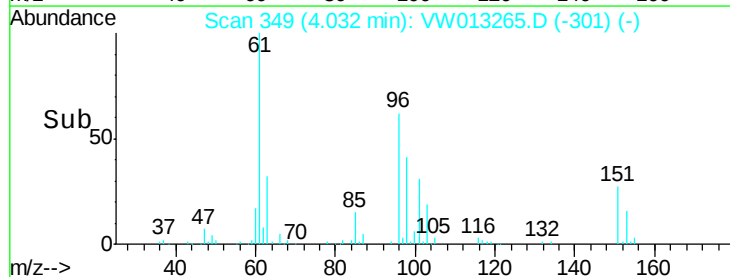
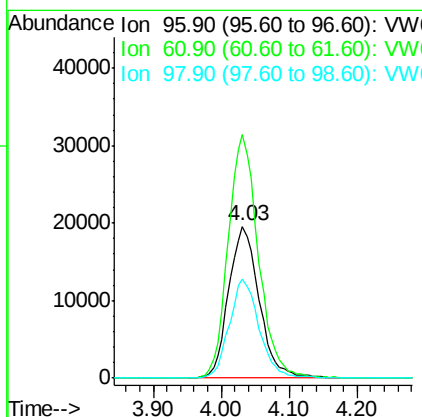
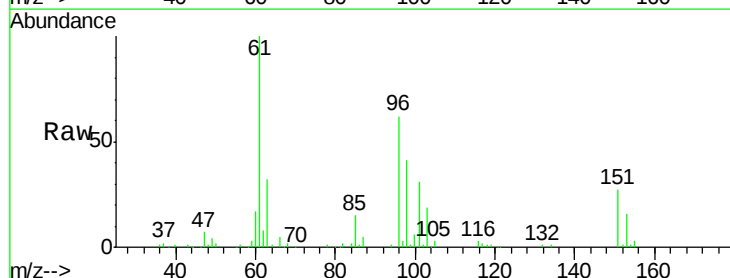
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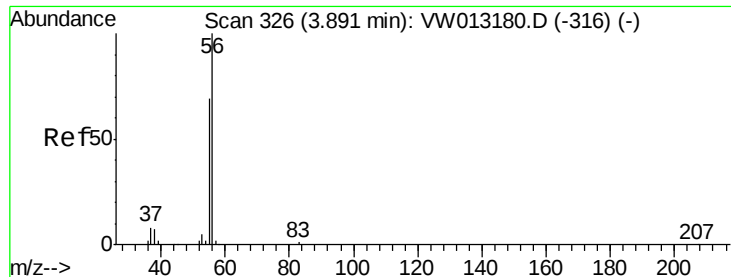


#12

1,1-Dichloroethene
 Concen: 19.363 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion: 96 Resp: 60804
 Ion Ratio Lower Upper
 96 100
 61 160.2 125.1 187.7
 98 65.0 50.8 76.2





#13

Acrolein

Concen: 65.838 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 10452

Ion Ratio Lower Upper

56 100

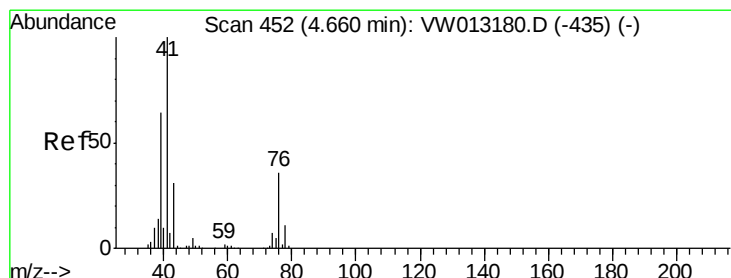
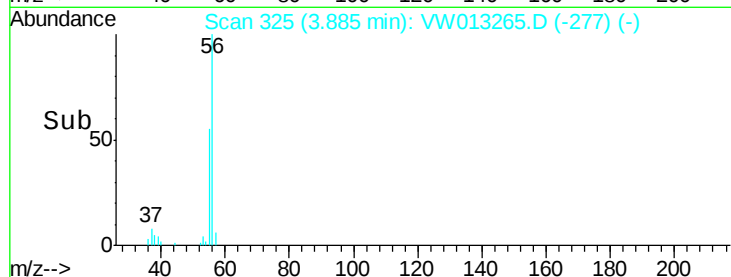
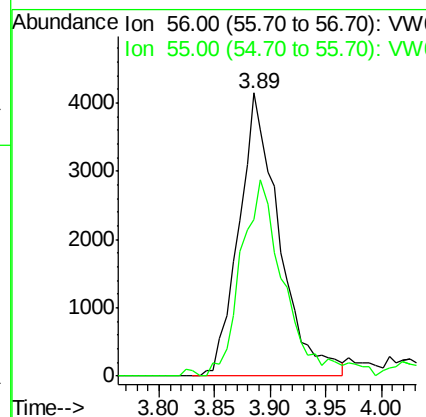
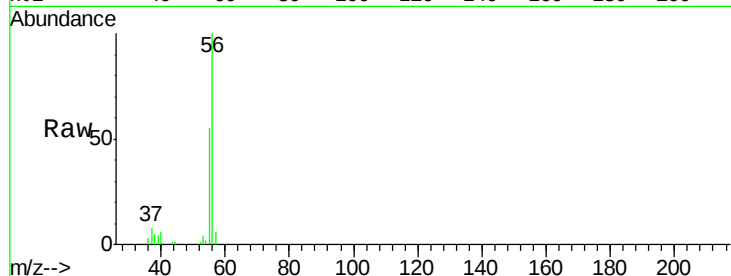
55 74.3 55.4 83.0

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#14

Allyl chloride

Concen: 19.458 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

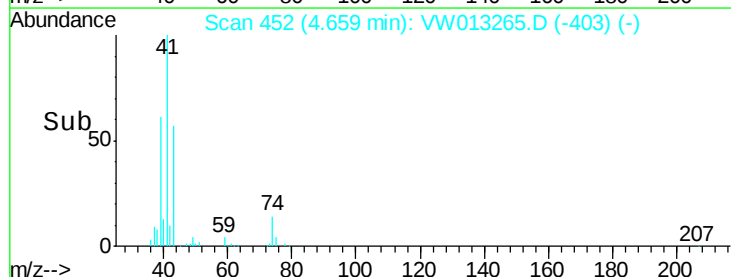
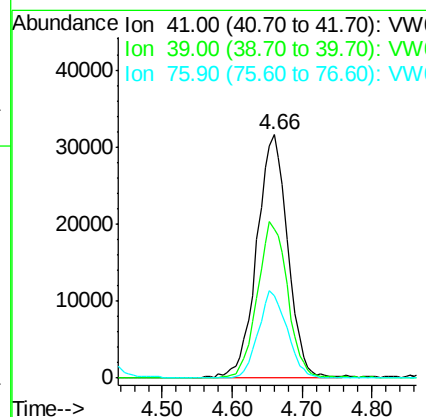
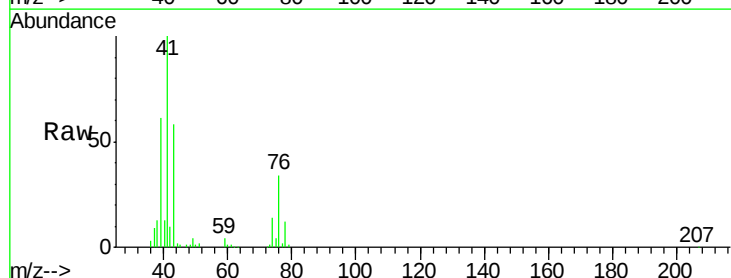
Tgt Ion: 41 Resp: 97245

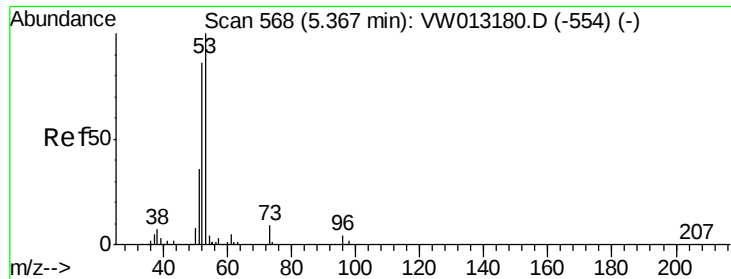
Ion Ratio Lower Upper

41 100

39 62.5 51.0 76.4

76 33.4 28.4 42.6





#15

Acrylonitrile

Concen: 119.269 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

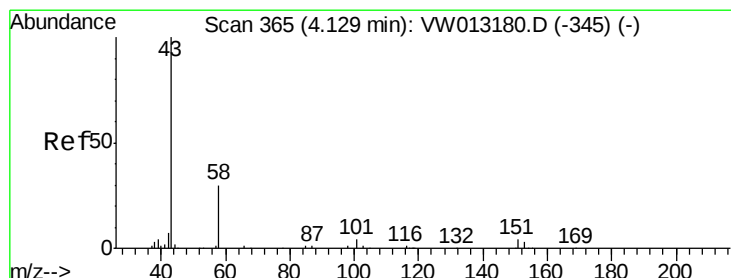
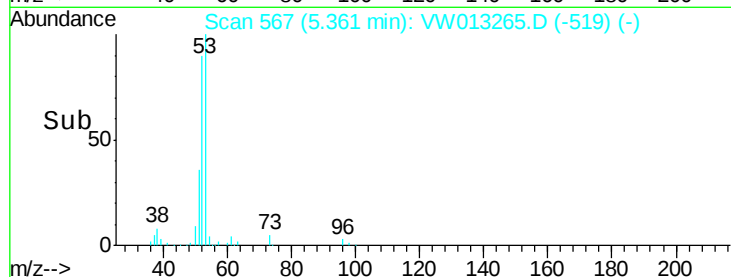
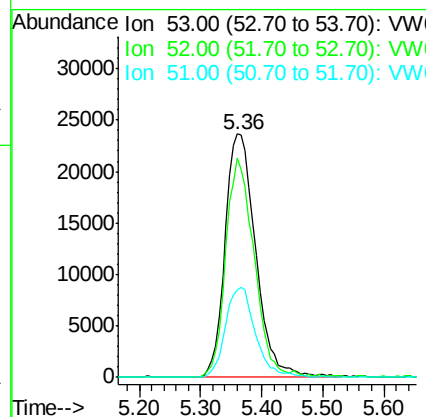
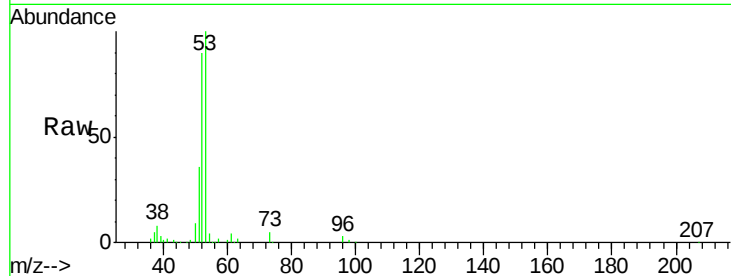
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	81901
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.3	97.9
51	36.3	29.0	43.4

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#16

Acetone

Concen: 93.874 ug/l

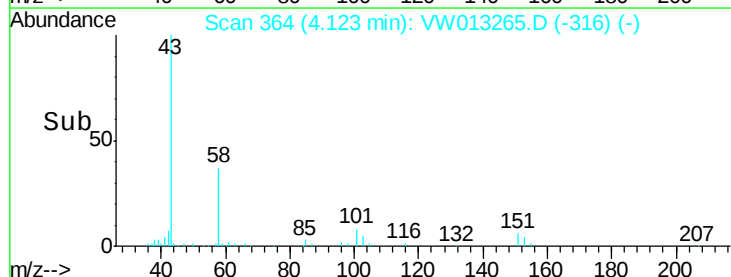
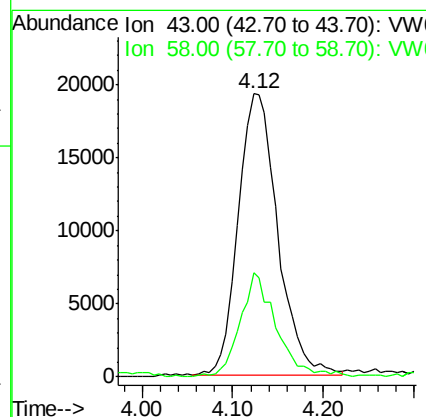
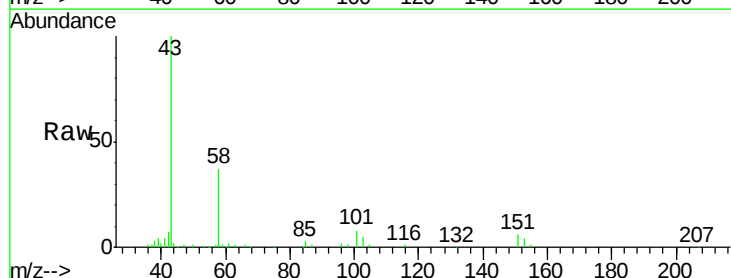
RT: 4.12 min Scan# 364

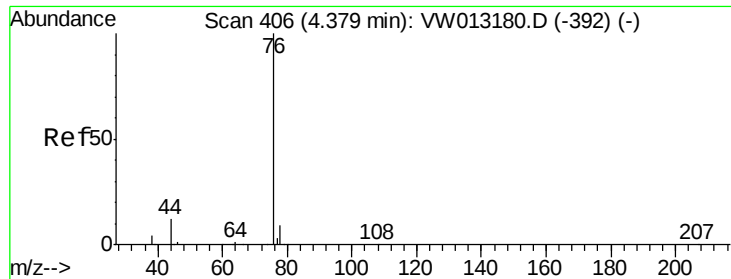
Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tgt Ion:	43	Resp:	58381
Ion	Ratio	Lower	Upper
43	100		
58	37.1	24.1	36.1#





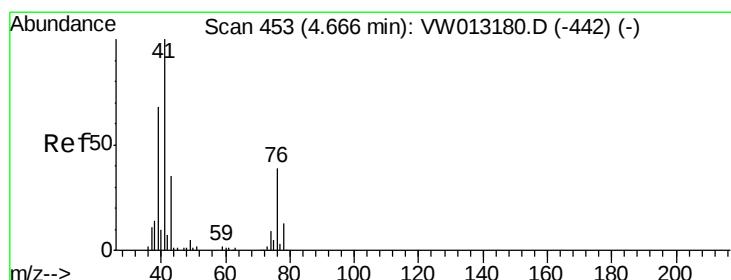
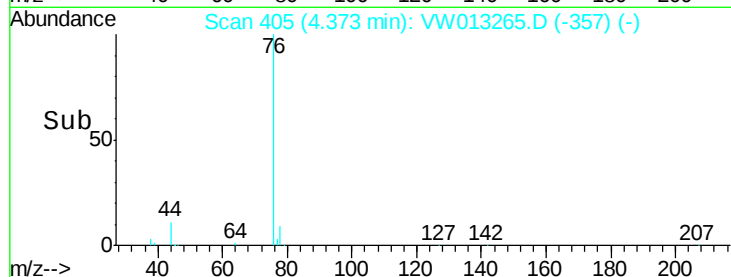
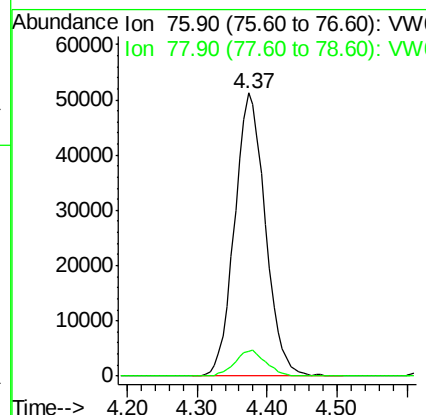
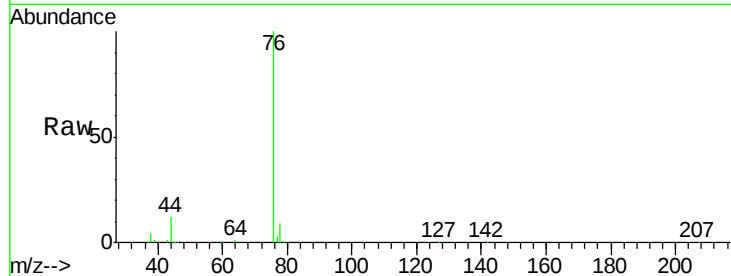
#17
Carbon Disulfide
Concen: 17.164 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

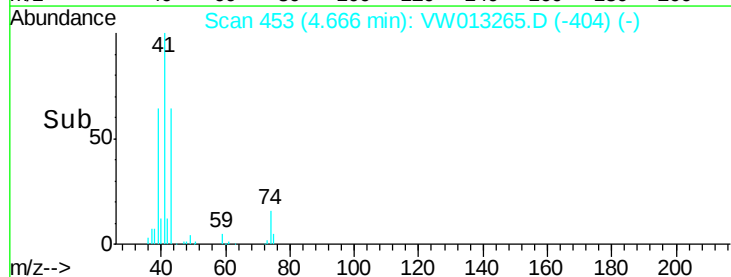
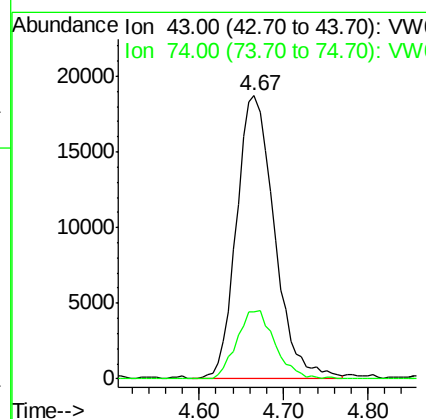
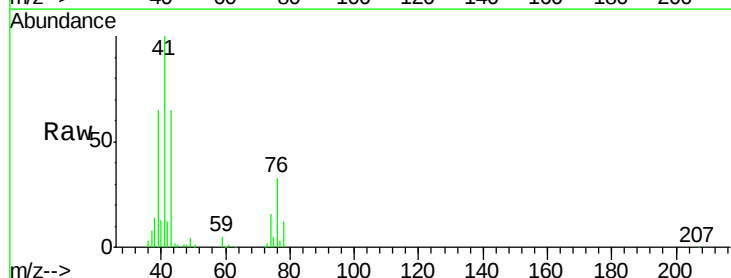
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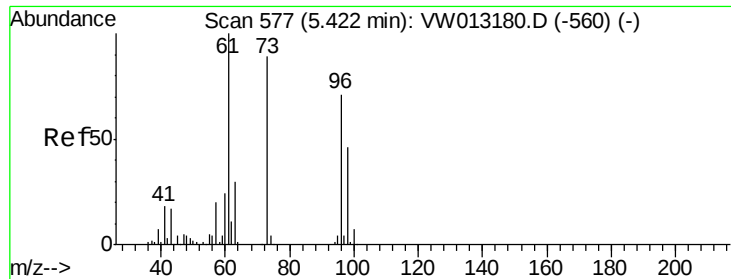
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#18
Methyl Acetate
Concen: 32.756 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.3	28.9





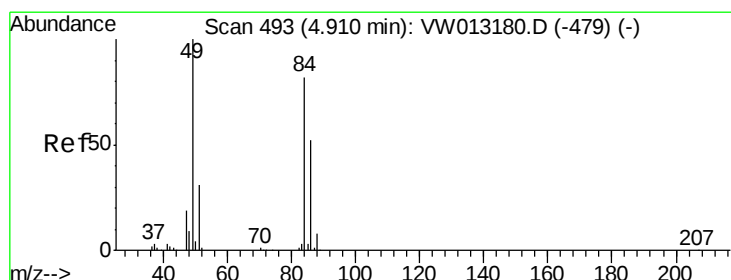
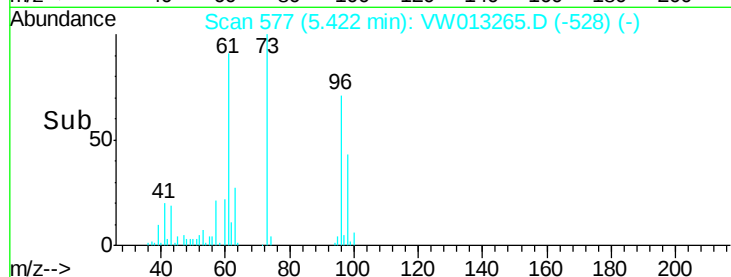
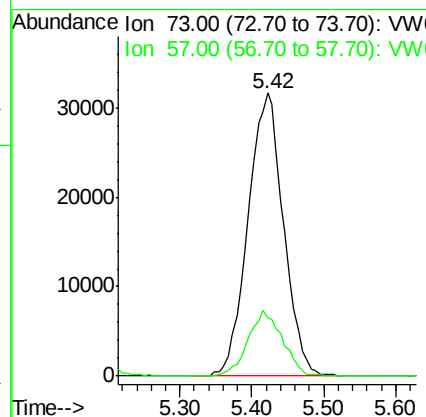
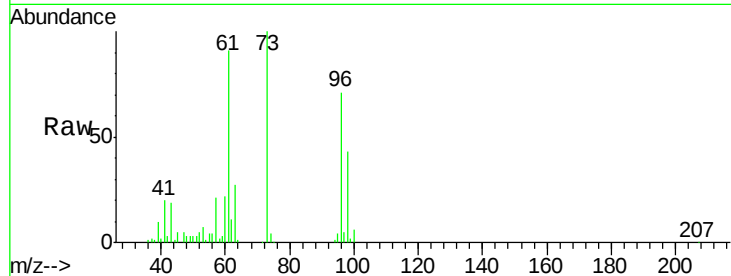
#19
Methvl tert-butvl Ether
Concen: 22.472 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 108152
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4

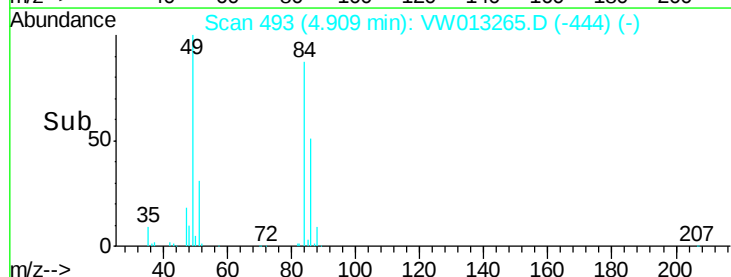
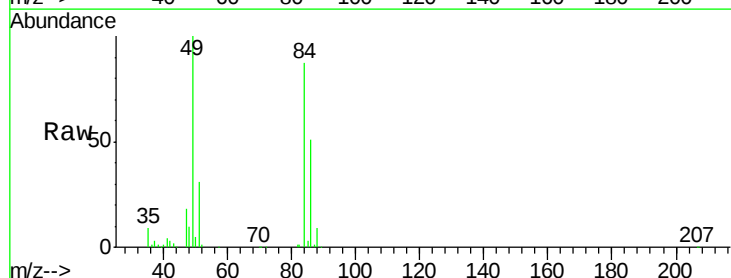
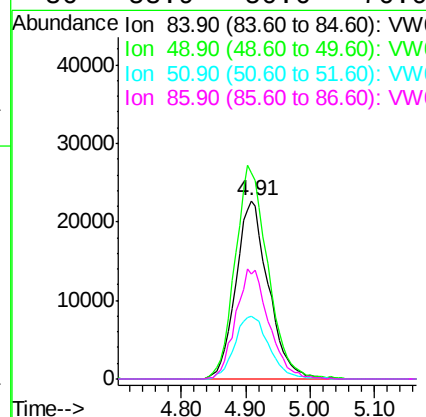
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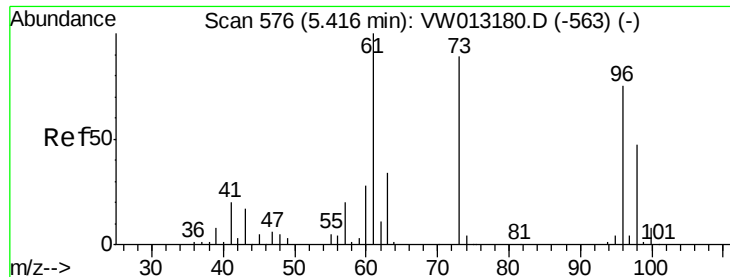
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#20
Methylene Chloride
Concen: 23.571 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion: 84 Resp: 79853
Ion Ratio Lower Upper
84 100
49 115.3 97.6 146.4
51 35.4 30.2 45.2
86 58.9 50.6 76.0





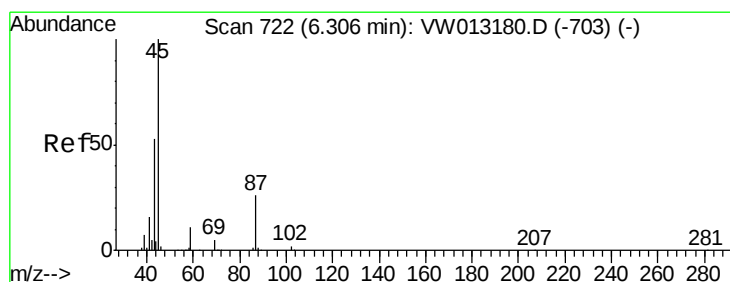
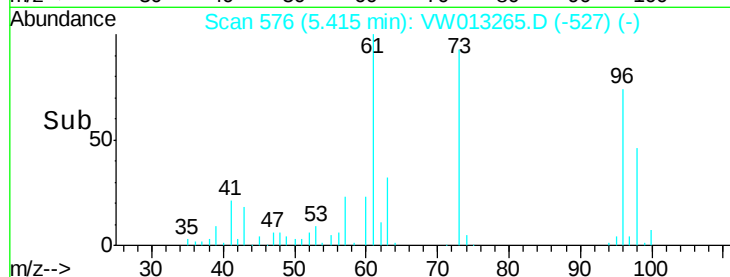
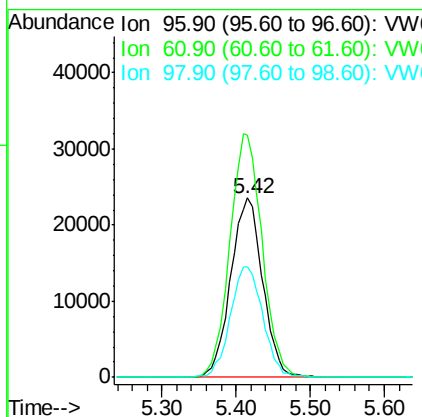
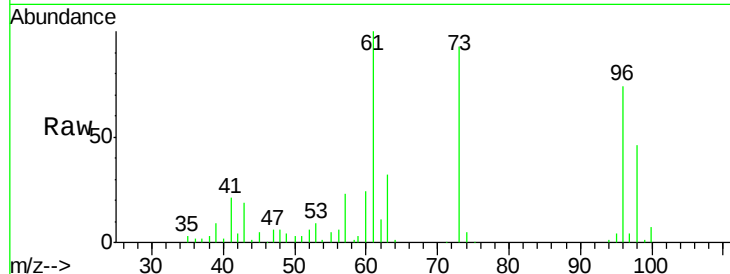
#21
trans-1,2-Dichloroethene
Concen: 20.860 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	106.6	159.8
98	61.5	49.8	74.8

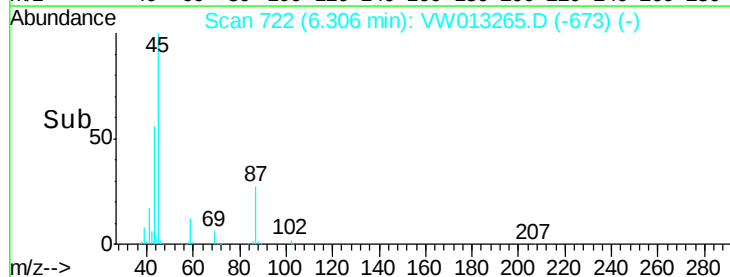
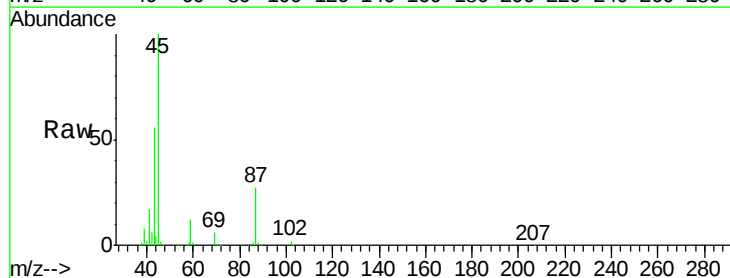
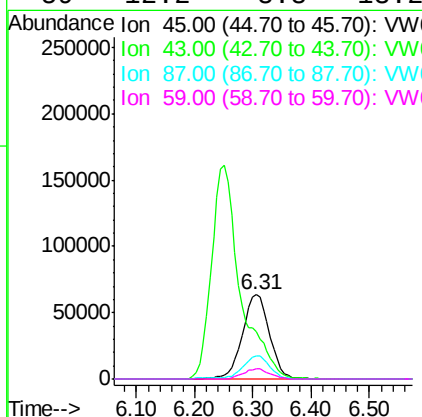
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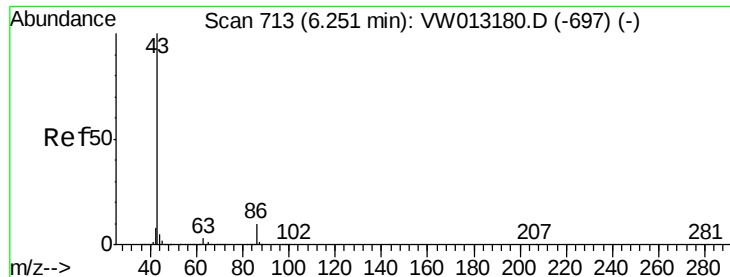
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#22
Diisopropyl ether
Concen: 21.504 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.6	42.4	63.6
87	27.4	20.4	30.6
59	12.2	8.8	13.2





#23

Vinyl Acetate

Concen: 97.631 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tot Ion: 43 Resp: 550437

Ion Ratio Lower Upper

43 100

86 10.2 8.3 12.5

Instrument :

MSVOA_W

ClientSampleId :

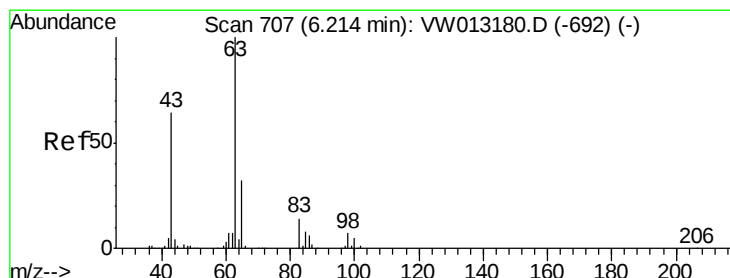
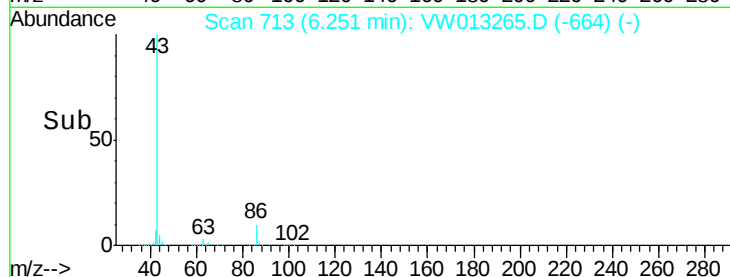
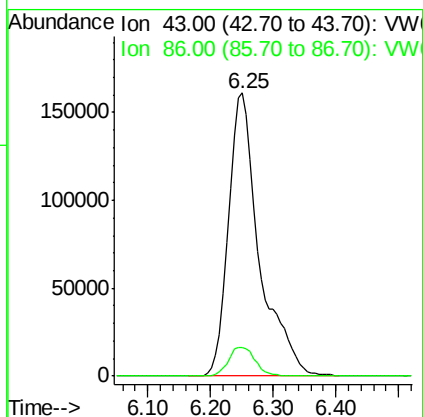
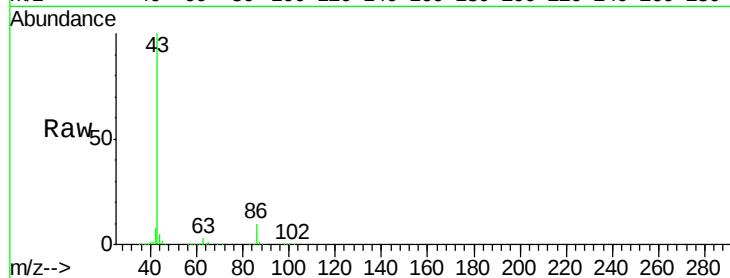
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 20.741 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

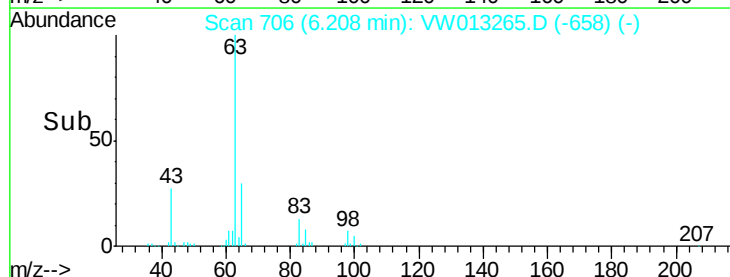
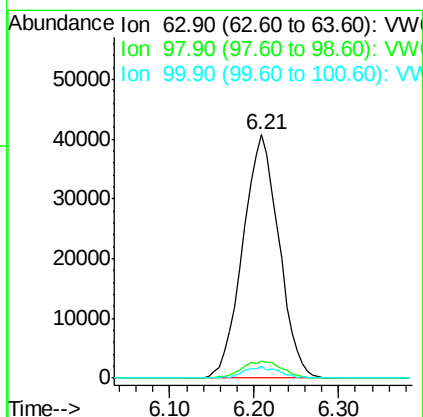
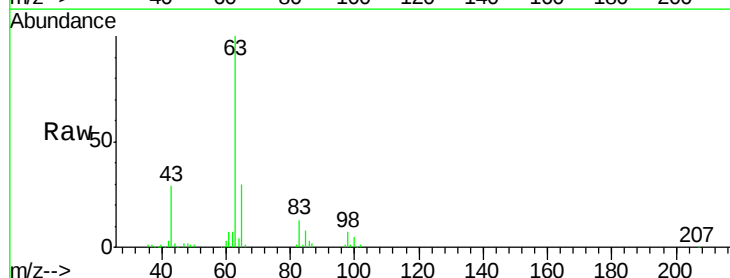
Tgt Ion: 63 Resp: 118941

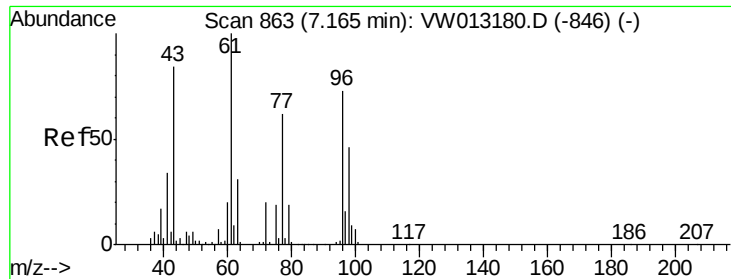
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 113.155 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 105640

Ion Ratio Lower Upper

43 100

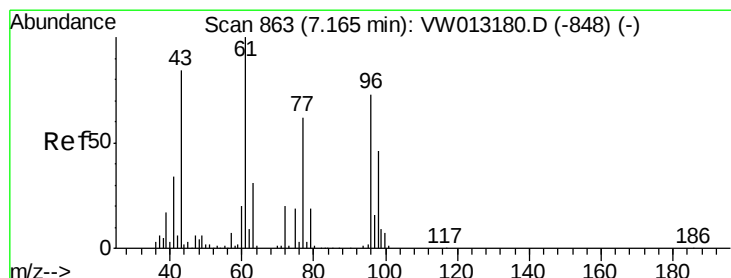
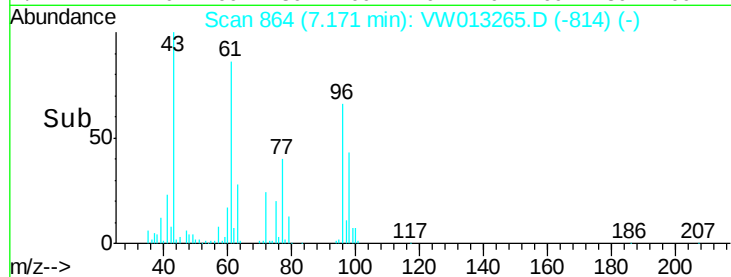
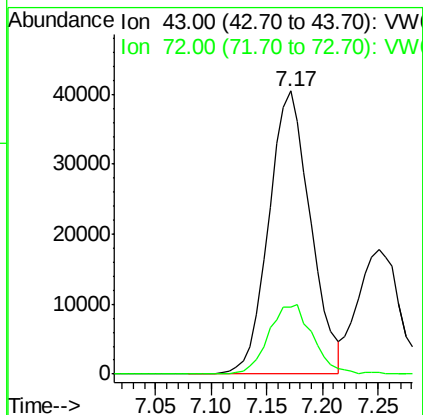
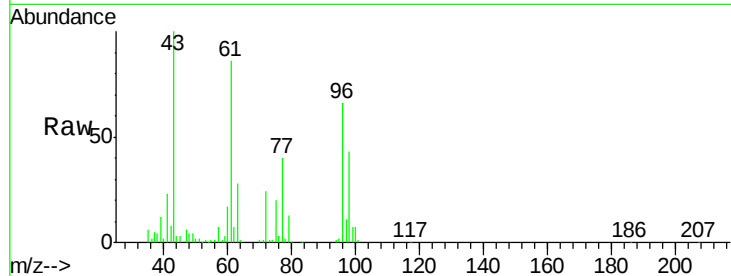
72 23.6 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.763 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013265.D

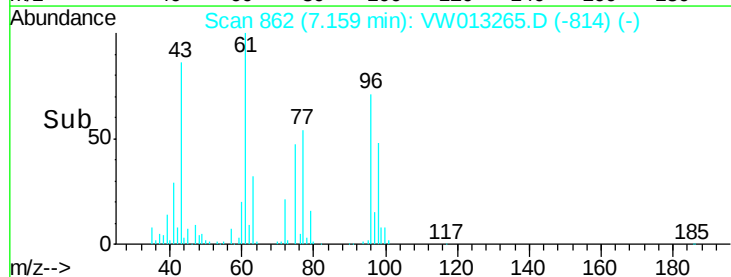
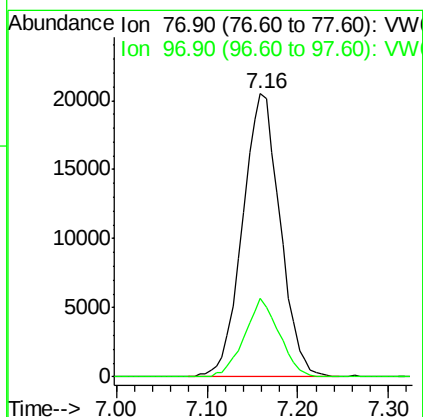
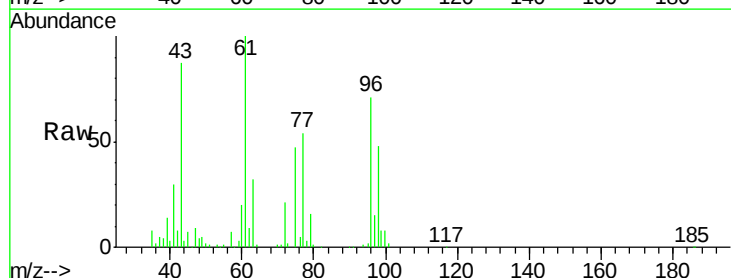
Acq: 24 Sep 2019 08:05

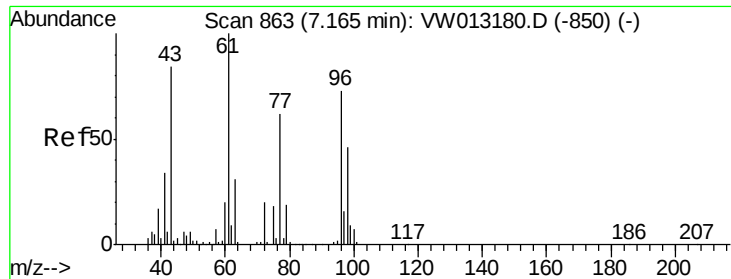
Tgt Ion: 77 Resp: 58710

Ion Ratio Lower Upper

77 100

97 25.6 11.8 35.4





#27

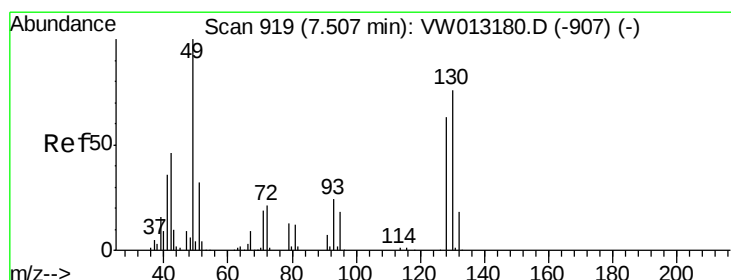
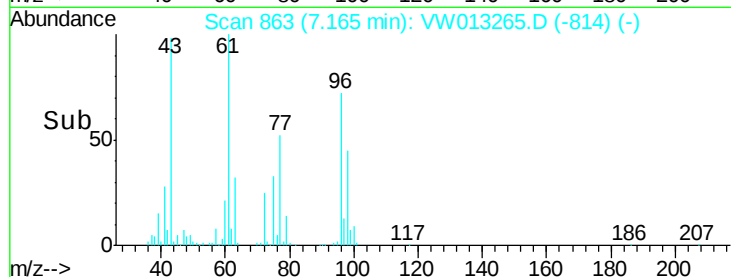
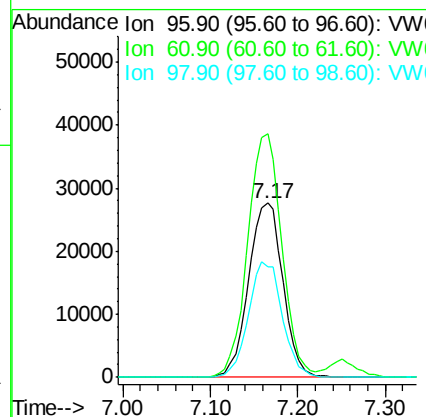
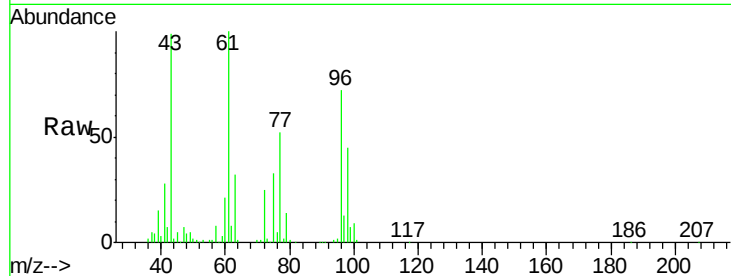
cis-1,2-Dichloroethene
 Concen: 21.070 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	138.9	0.0	282.4		
98	65.6	0.0	128.2		

Manual Integrations
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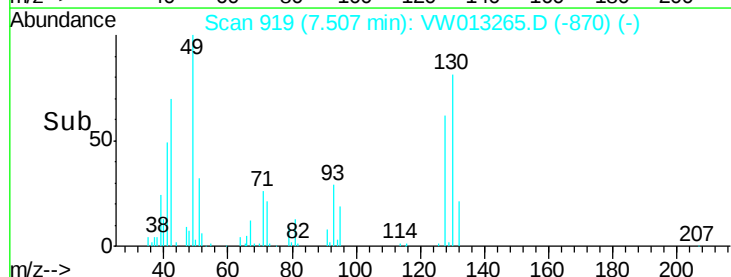
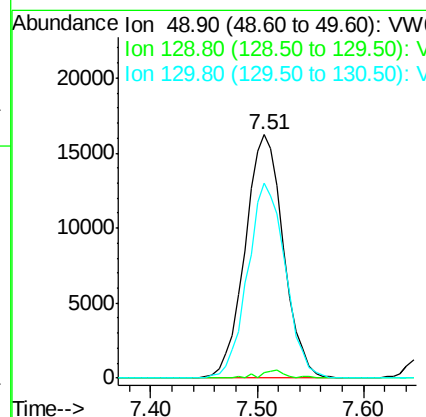
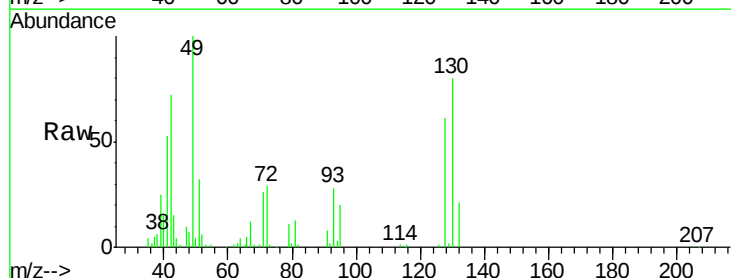
MMDadoda
 9/25/2019 12:35:56 AM



#28

Bromochloromethane
 Concen: 18.639 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.9	0.0	1.0#		
130	78.8	63.4	95.2		





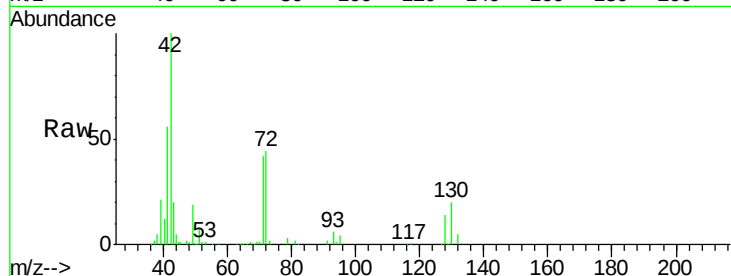
#29
Tetrahydrofuran
Concen: 126.405 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

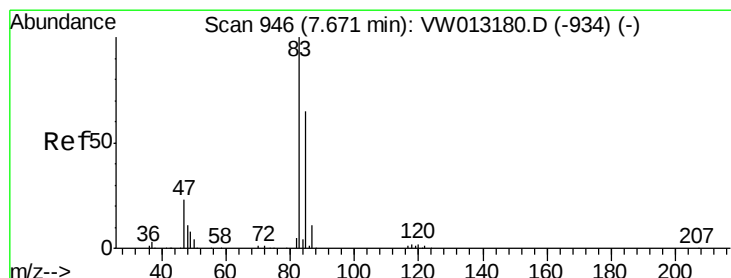
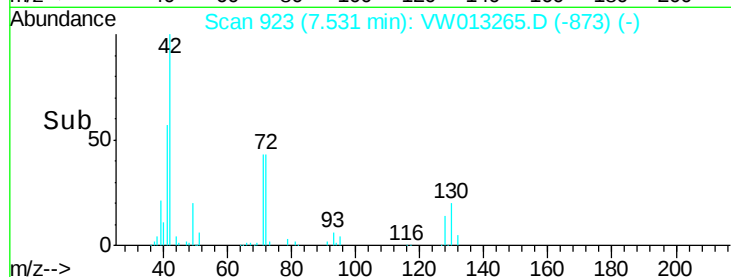
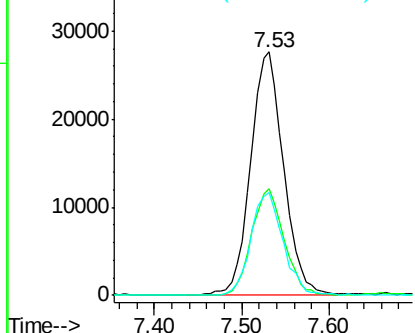
Tot Ion:	42	Resp:	72372
Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.9	50.9
71	41.3	31.9	47.9

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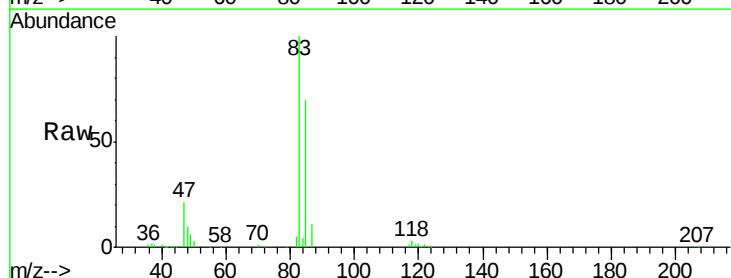


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

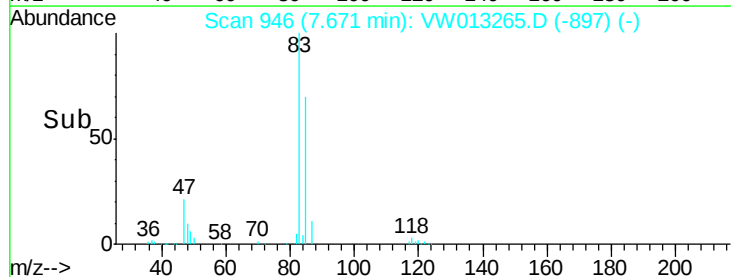
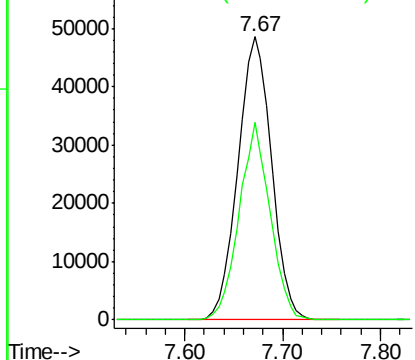


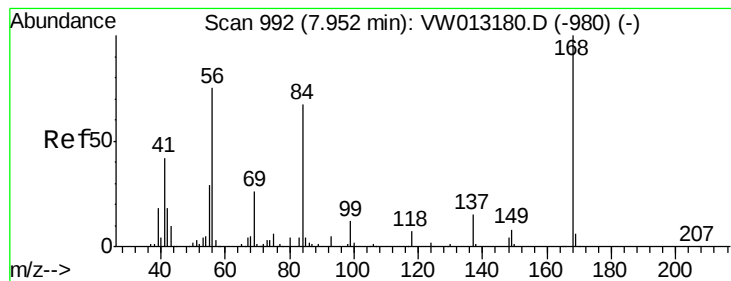
#30
Chloroform
Concen: 20.604 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion:	83	Resp:	115679
Ion	Ratio	Lower	Upper
83	100		
85	69.9	52.3	78.5



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.912 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

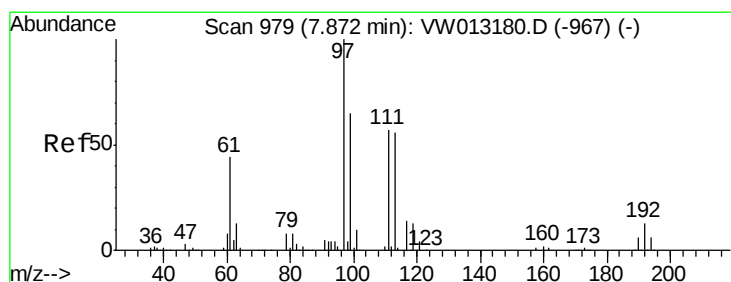
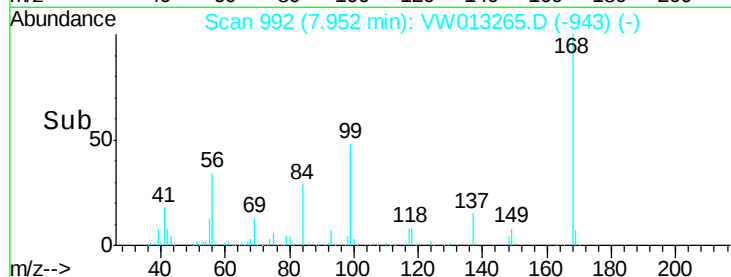
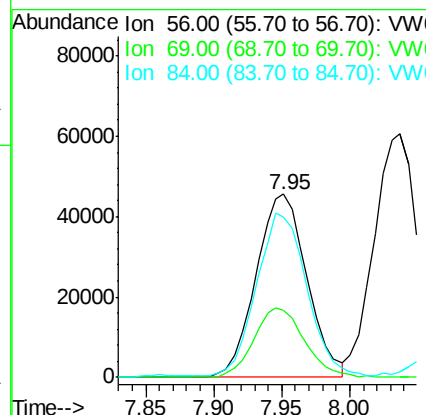
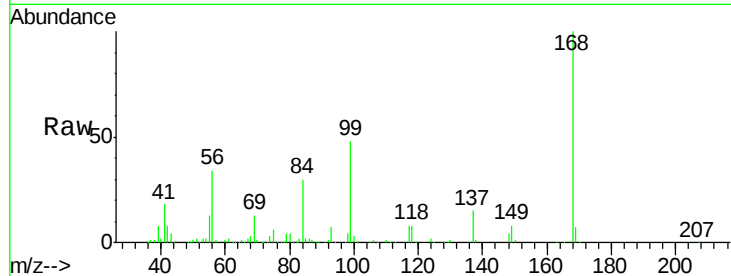
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	119029
Ion Ratio	Lower	Upper	
56	100		
69	36.7	27.2	40.8
84	86.7	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 19.819 ug/l

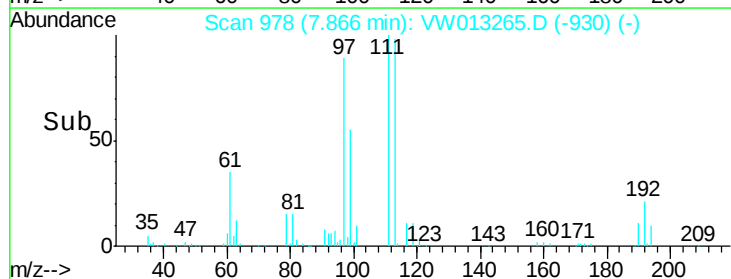
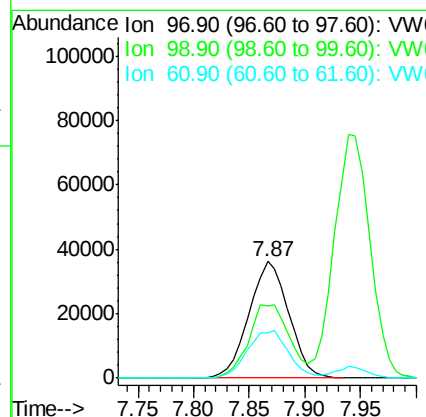
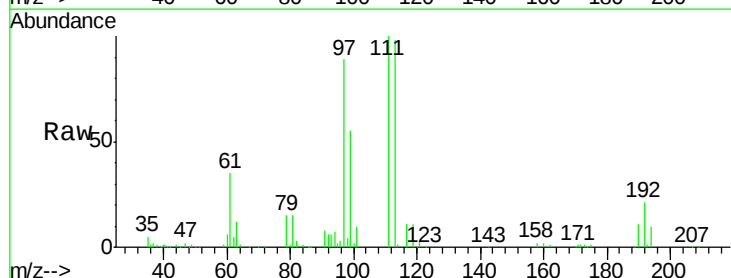
RT: 7.87 min Scan# 978

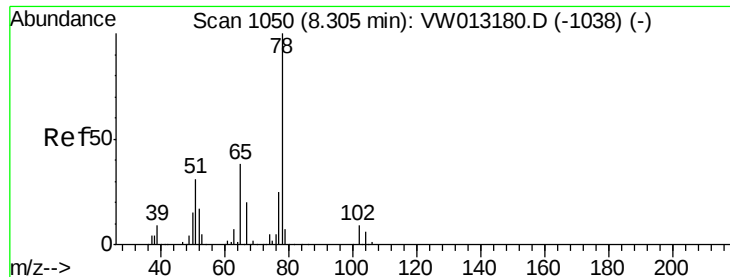
Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tgt Ion:	97	Resp:	90122
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.7	77.5
61	42.1	34.6	51.8





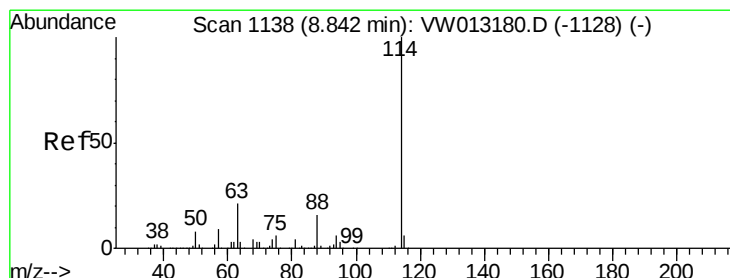
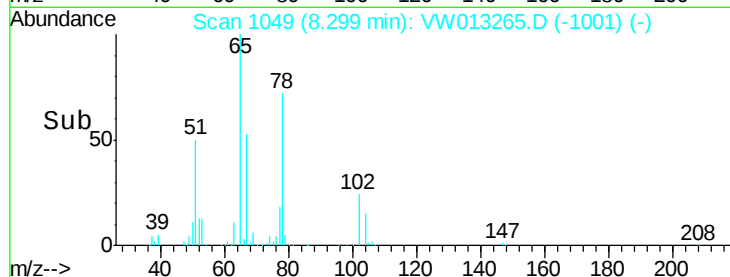
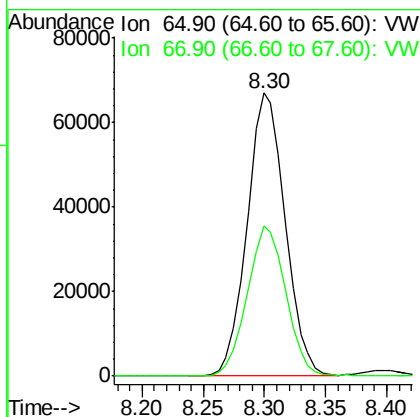
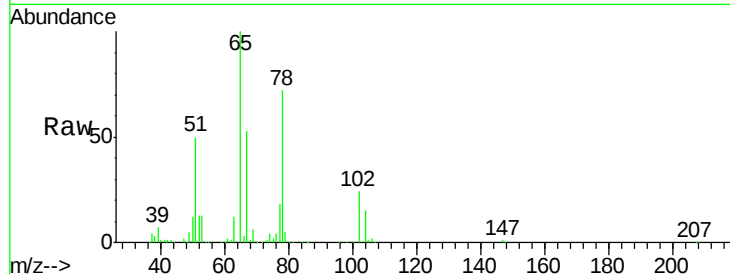
#33
 1,2-Dichloroethane-d4
 Concen: 52.694 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145319		
67	53.8	0.0	106.2	

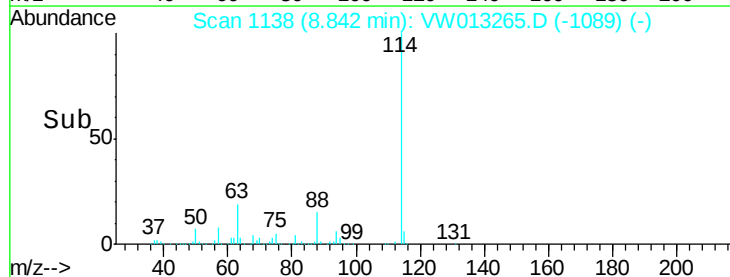
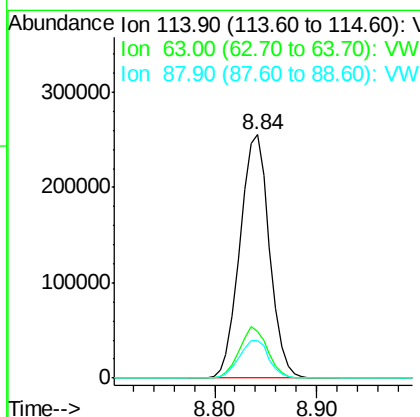
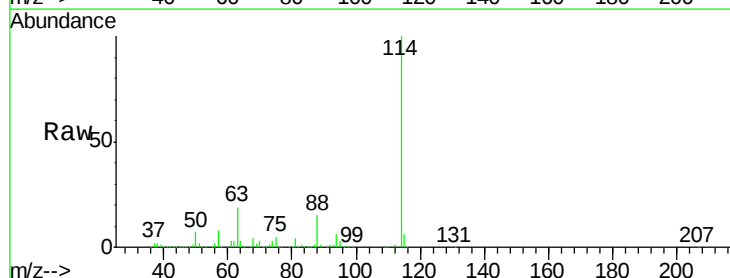
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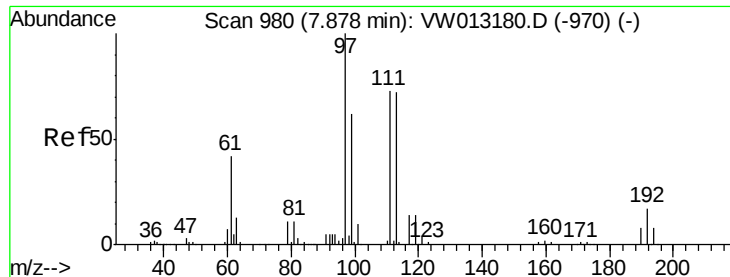
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	512305		
63	19.1	0.0	41.4	
88	15.3	0.0	32.0	





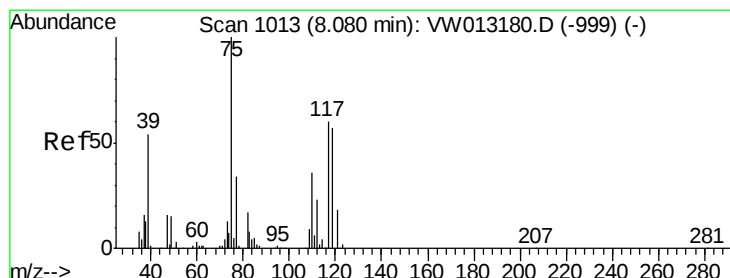
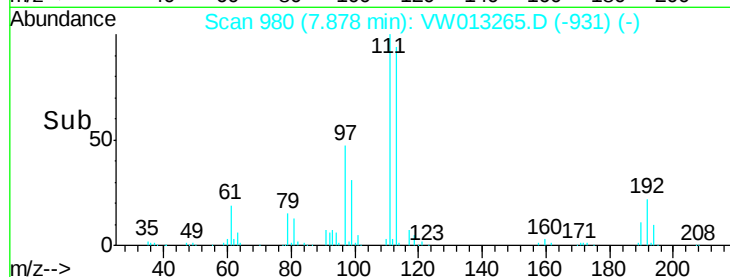
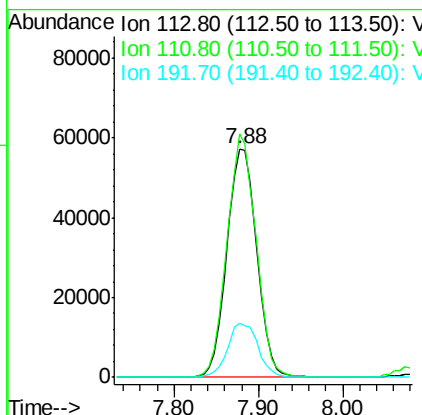
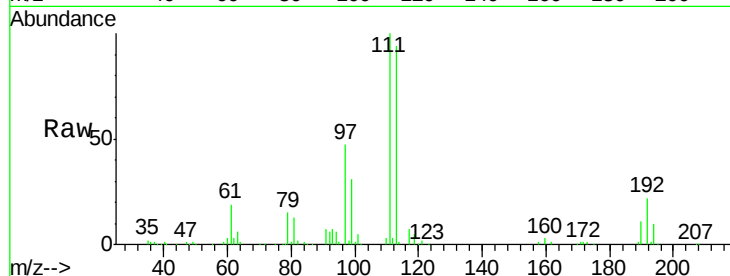
#35
 Dibromofluoromethane
 Concen: 48.926 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137859		
111	103.6	81.9	122.9	
192	24.0	19.1	28.7	

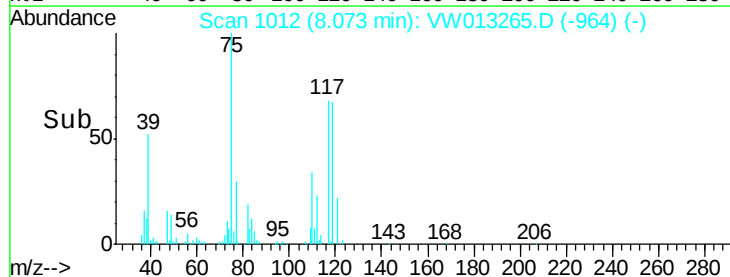
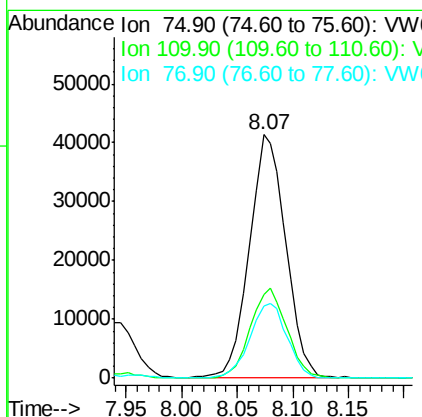
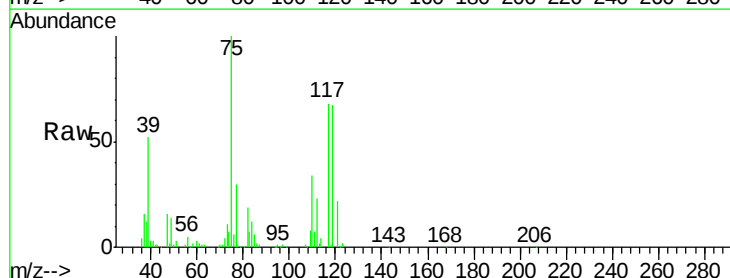
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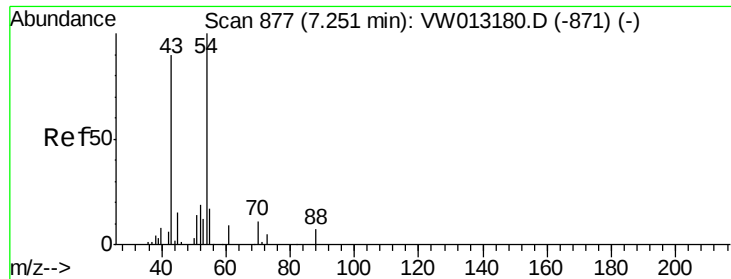
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#36
 1,1-Dichloropropene
 Concen: 19.034 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94447		
110	36.7	18.1	54.3	
77	31.6	25.8	38.6	





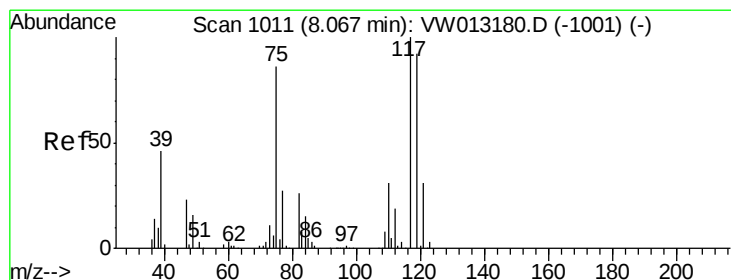
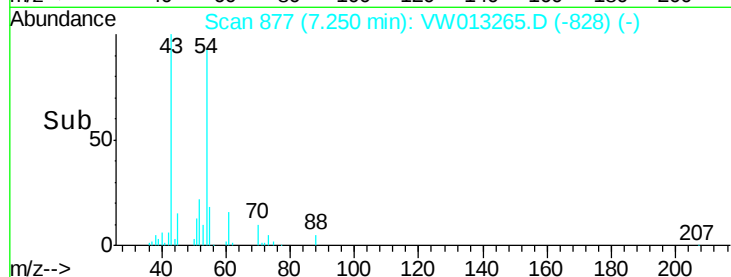
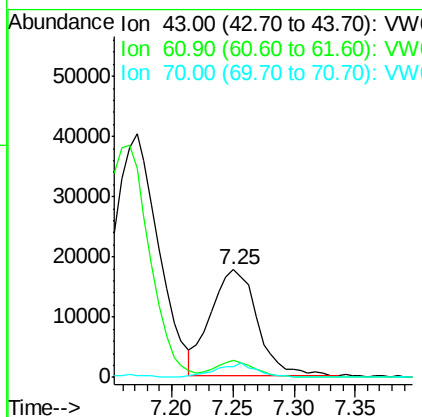
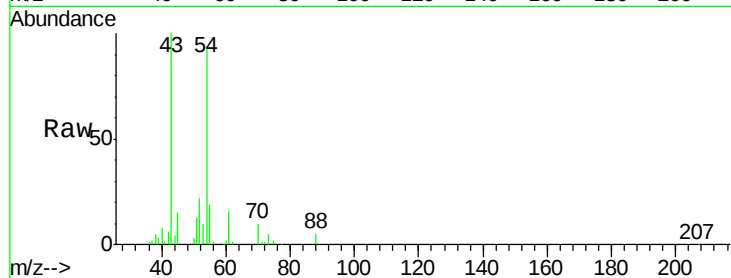
#37
Ethyl Acetate
Concen: 22.097 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	11.2	8.2	12.2

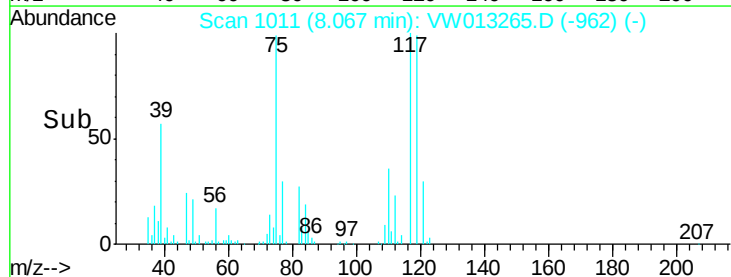
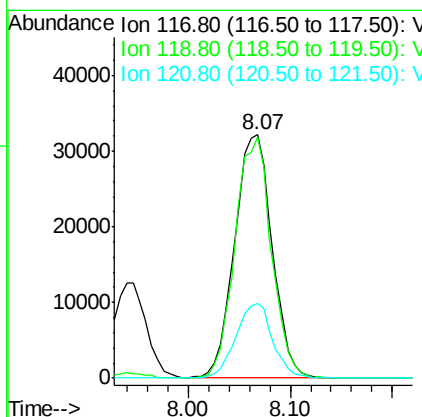
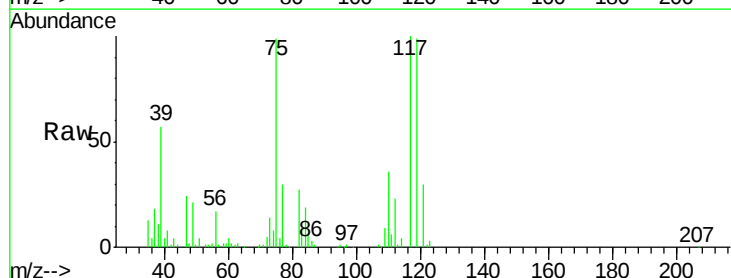
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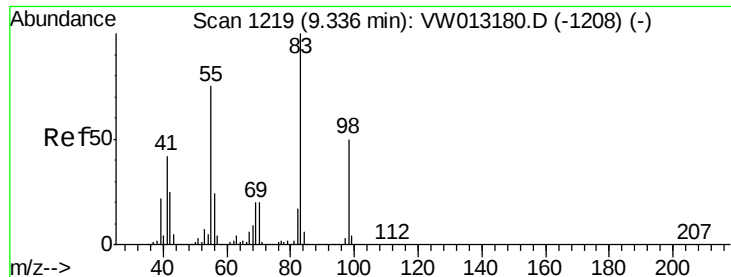
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#38
Carbon Tetrachloride
Concen: 18.508 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	73.5	110.3
121	30.5	25.0	37.6





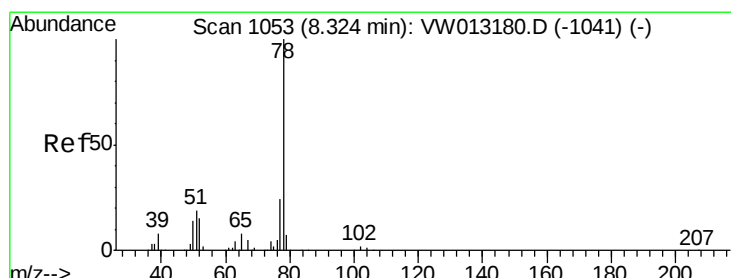
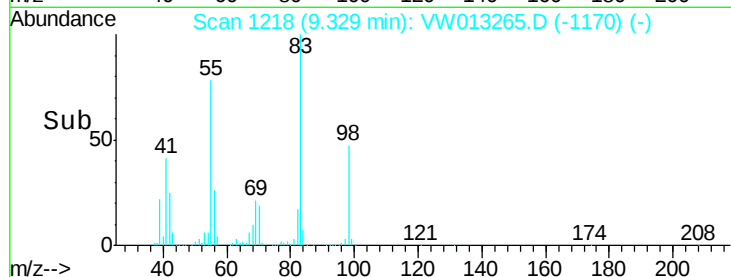
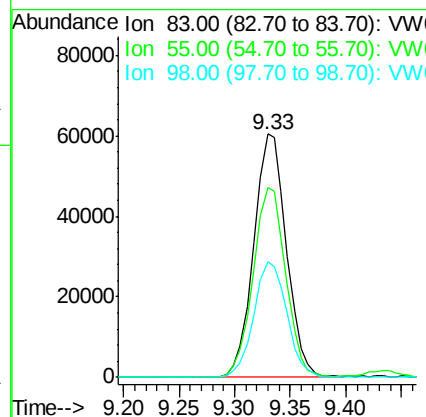
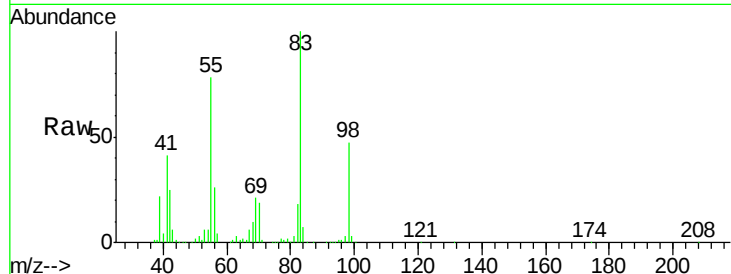
#39
Methvlcvclohexane
Concen: 19.414 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	123800
Ion	Ratio	Lower	Upper
83	100		
55	77.6	60.4	90.6
98	47.4	40.0	60.0

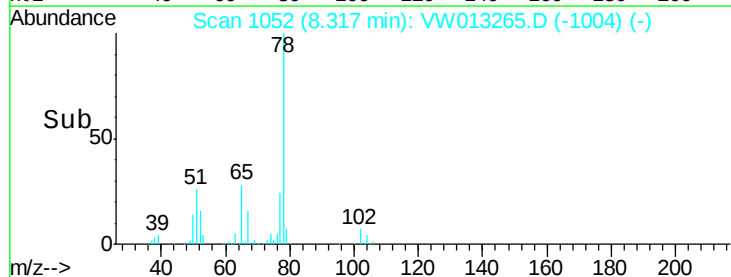
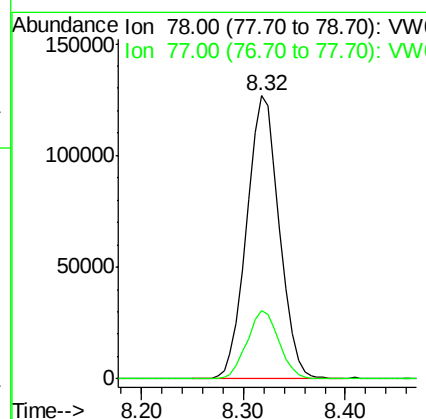
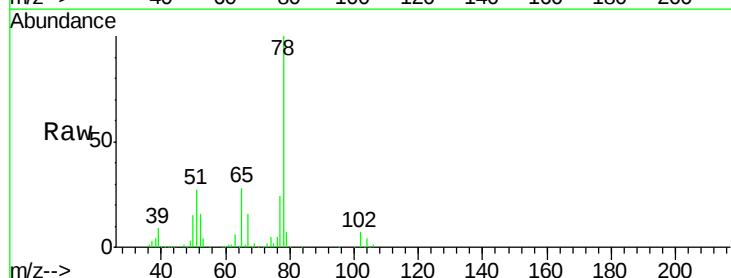
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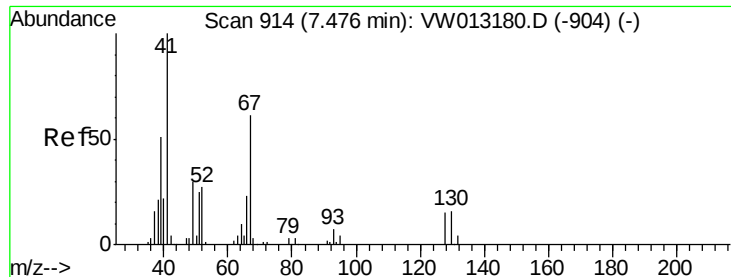
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#40
Benzene
Concen: 20.292 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	78	Resp	280849
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





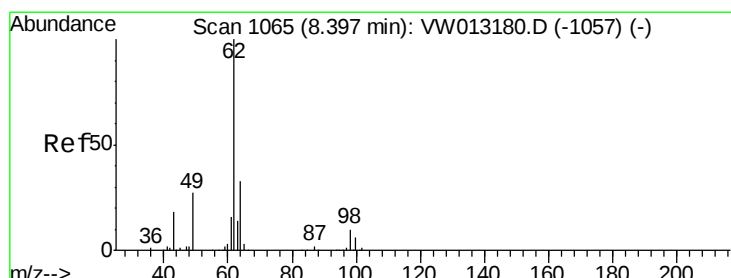
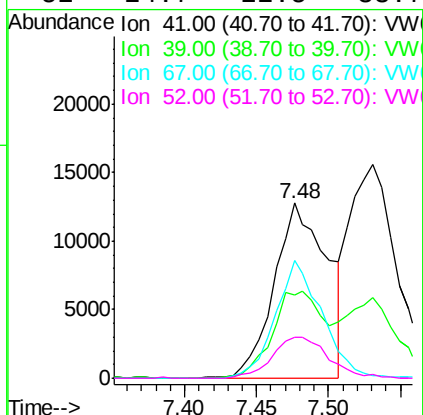
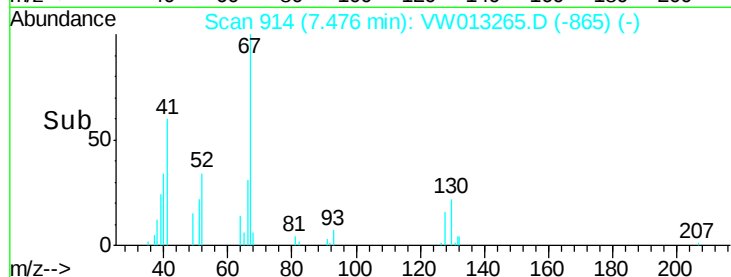
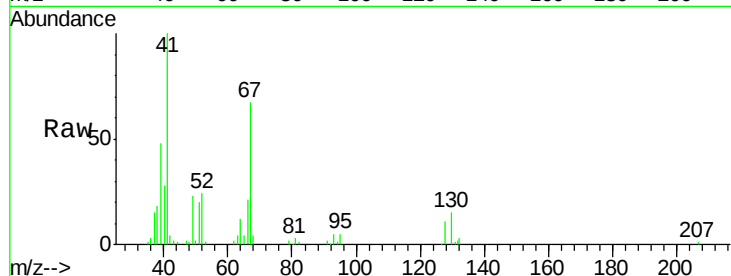
#41
Methacrylonitrile
Concen: 26.051 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	32789
Ion	Ratio	Lower	Upper
41	100		
39	47.1	45.9	68.9
67	59.7	54.5	81.7
52	24.7	22.5	33.7

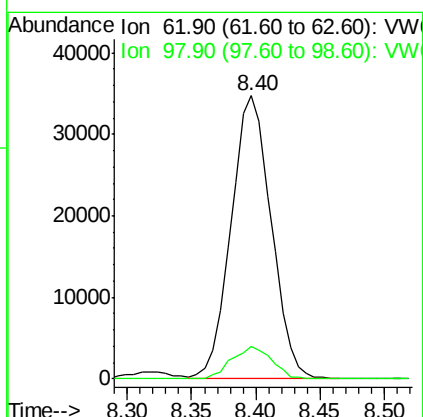
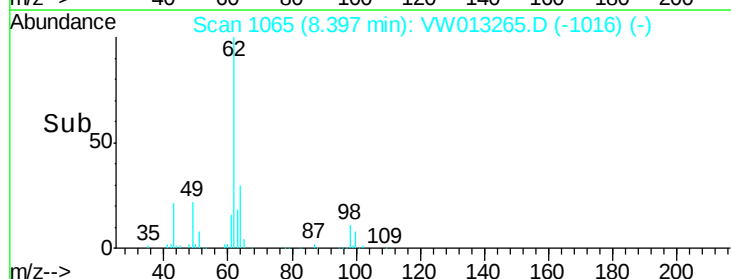
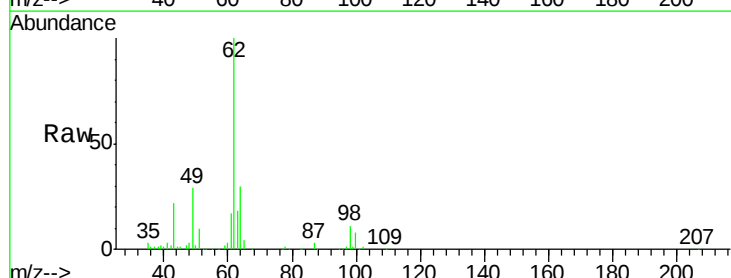
Manual Integrations
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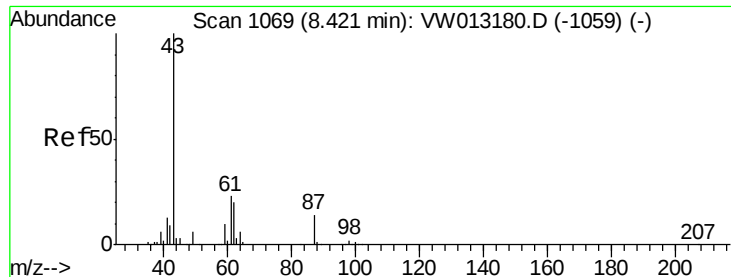
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#42
1,2-Dichloroethane
Concen: 20.182 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion:	62	Resp:	75089
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 21.779 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

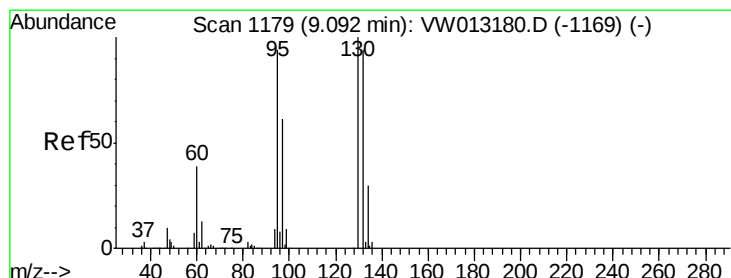
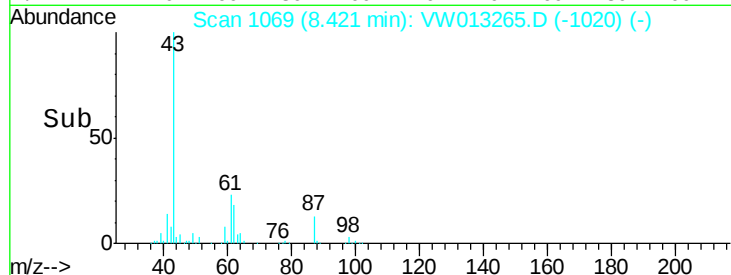
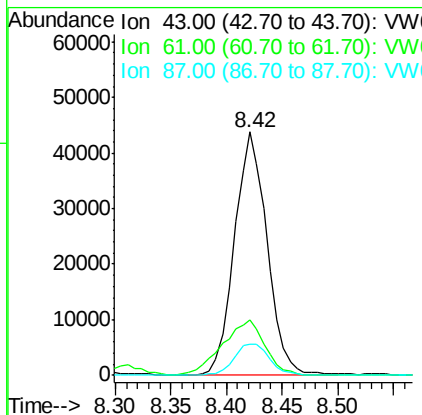
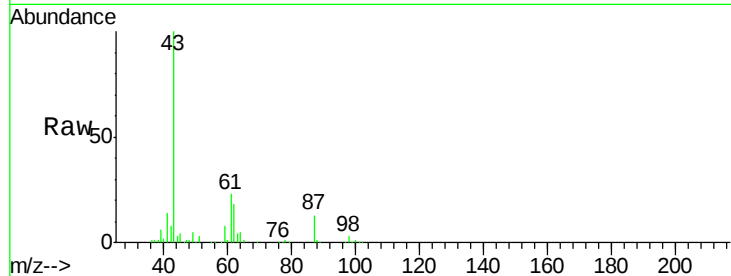
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	88027
Ion	Ratio	Lower	Upper
43	100		
61	29.9	25.5	38.3
87	14.2	11.0	16.4

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#44

Trichloroethene

Concen: 20.202 ug/l

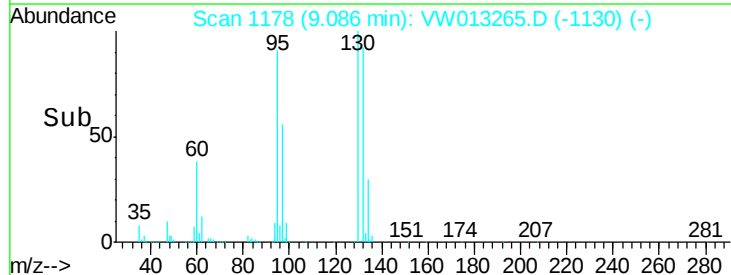
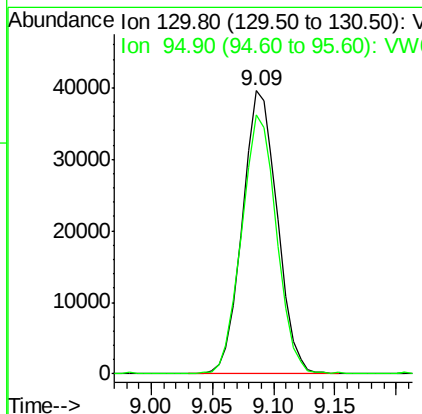
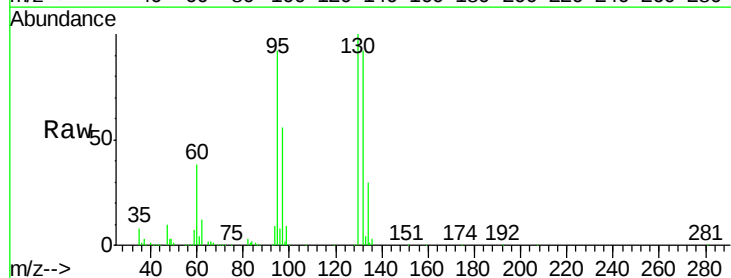
RT: 9.09 min Scan# 1178

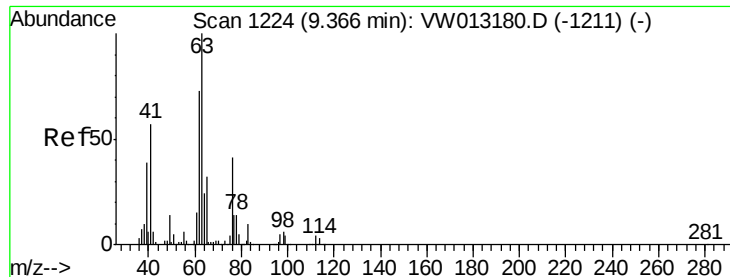
Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tgt Ion:	130	Resp:	78451
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	188.0





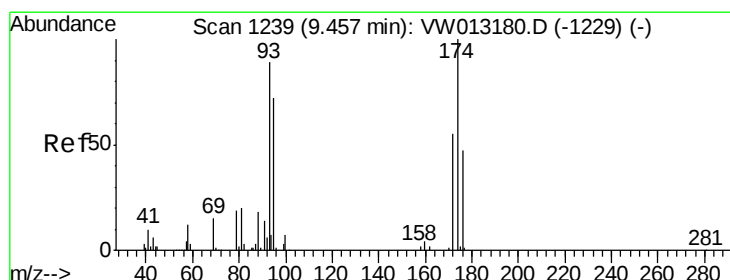
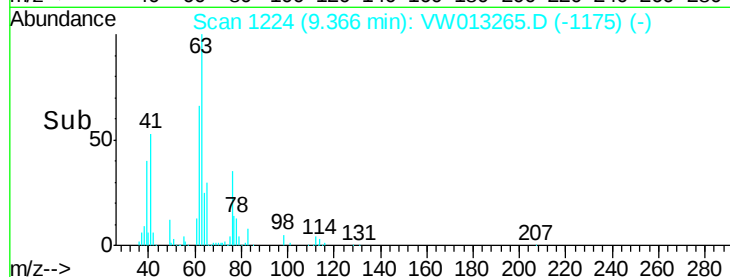
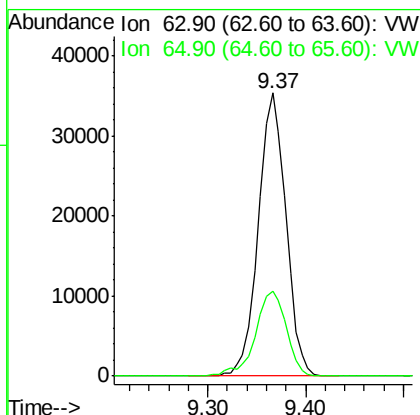
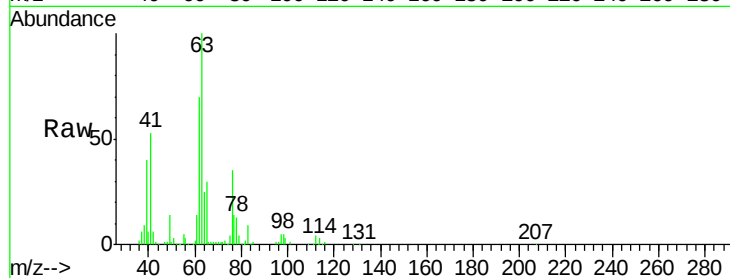
#45
 1,2-Dichloropropane
 Concen: 20.562 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	63	Resp	69480
Ion Ratio	Lower	Upper	
63	100		
65	30.2	25.3	37.9

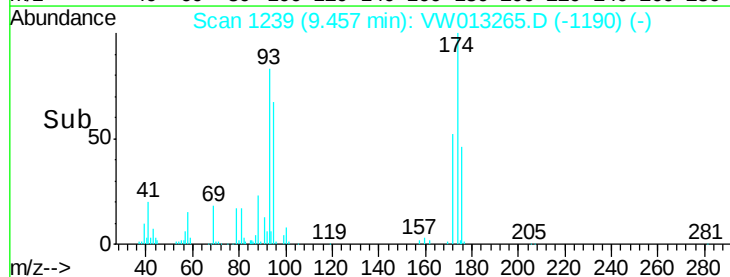
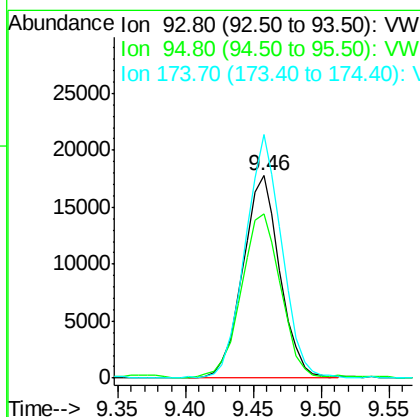
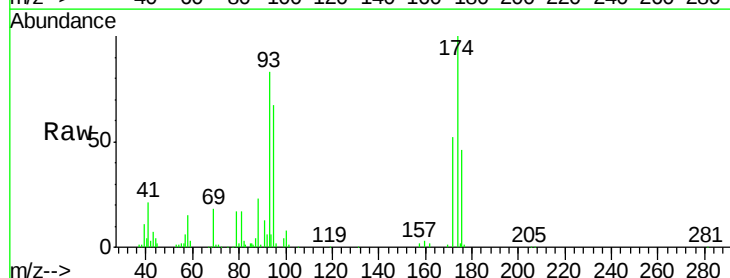
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#46
 Dibromomethane
 Concen: 20.626 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion	93	Resp	33838
Ion Ratio	Lower	Upper	
93	100		
95	86.6	66.4	99.6
174	119.2	93.0	139.6





#47

Bromodichloromethane

Concen: 19.243 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

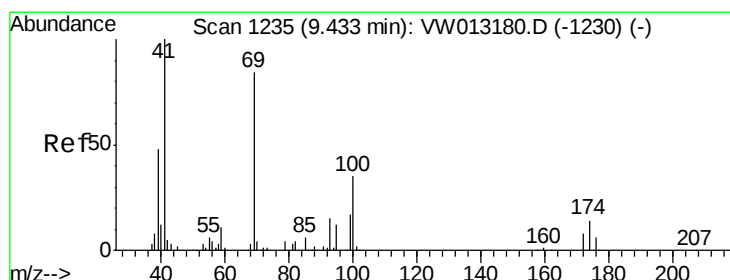
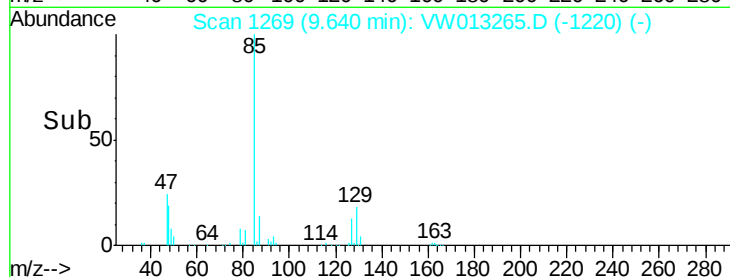
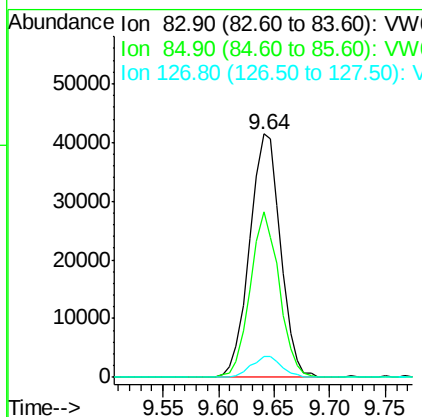
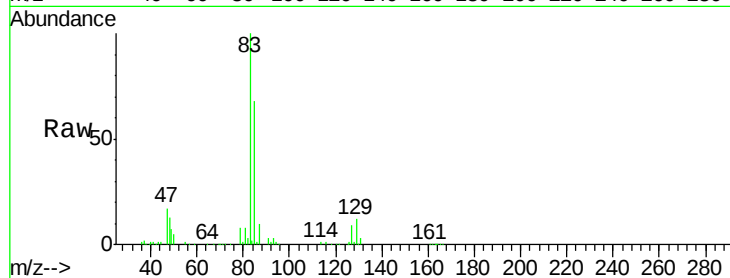
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	80329
Ion	Ratio	Lower	Upper
83	100		
85	67.7	49.4	74.2
127	8.7	6.5	9.7

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#48

Methyl methacrylate

Concen: 22.269 ug/l

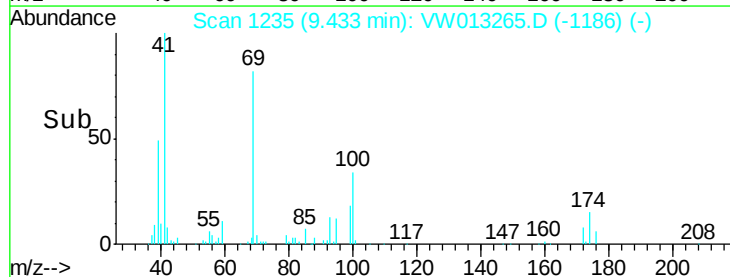
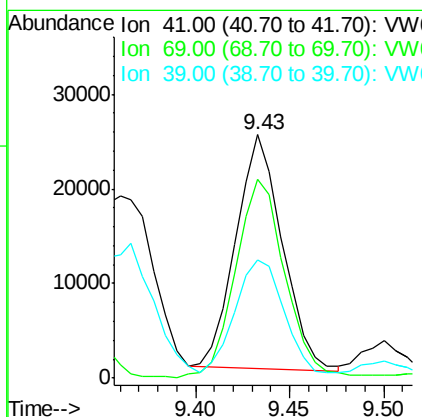
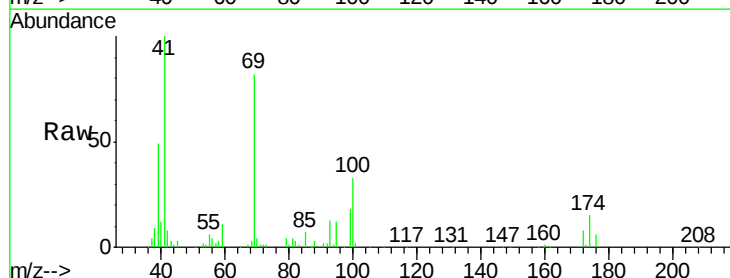
RT: 9.43 min Scan# 1235

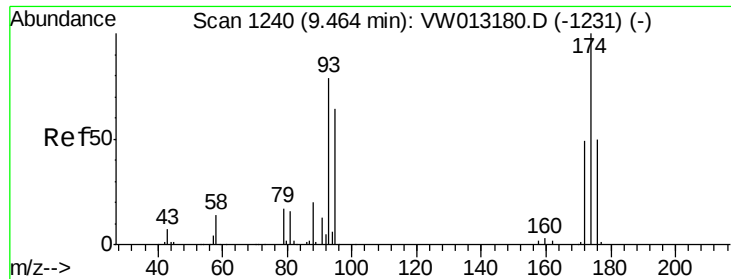
Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tgt Ion:	41	Resp:	42324
Ion	Ratio	Lower	Upper
41	100		
69	89.1	69.7	104.5
39	51.0	41.1	61.7





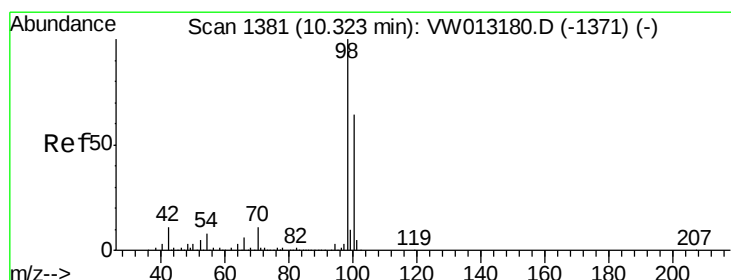
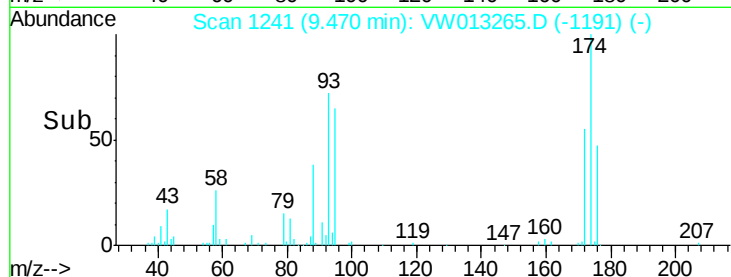
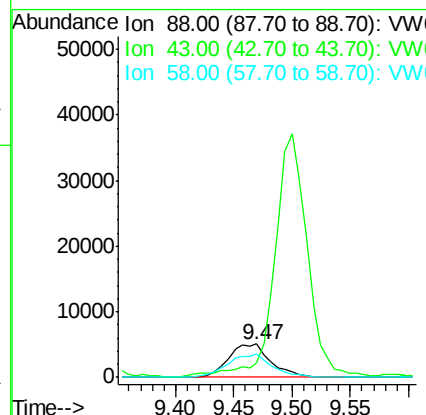
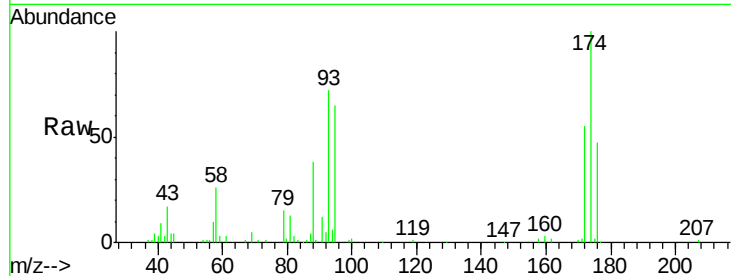
#49
1,4-Dioxane
Concen: 515.808 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	12702
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.3	65.4	98.0

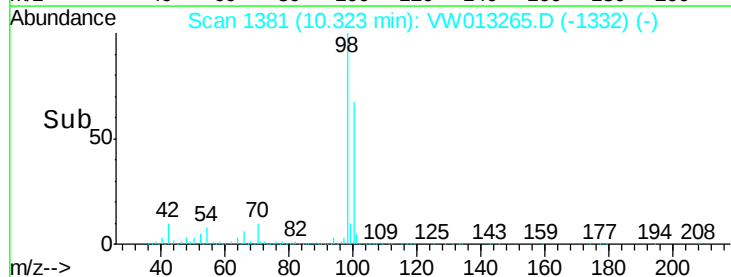
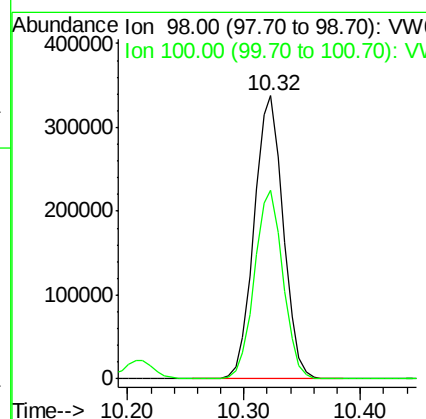
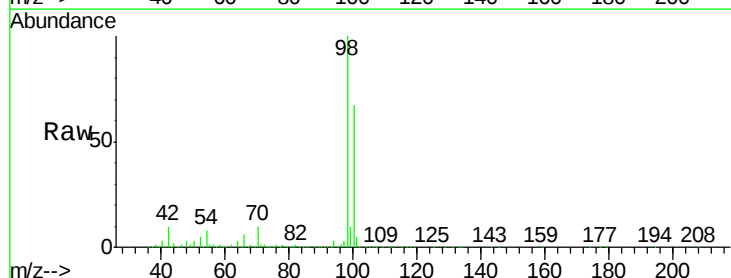
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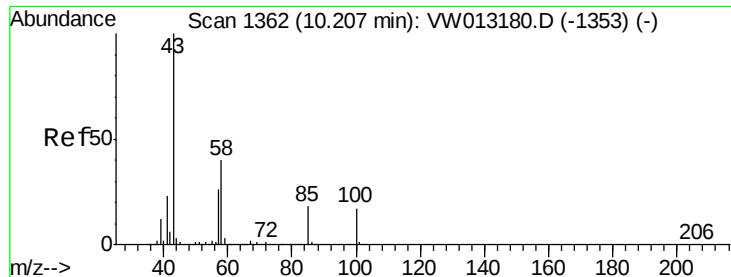
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#50
Toluene-d8
Concen: 49.912 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	98	Resp	588574
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 117.502 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 238090

Ion Ratio Lower Upper

43 100

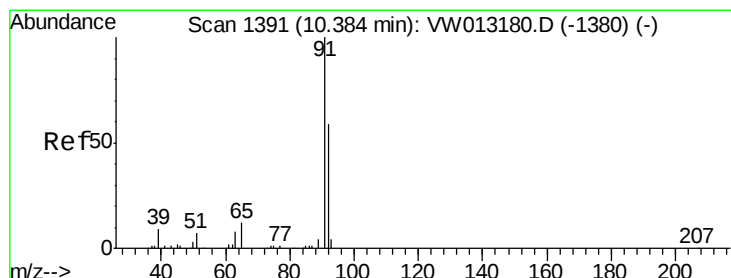
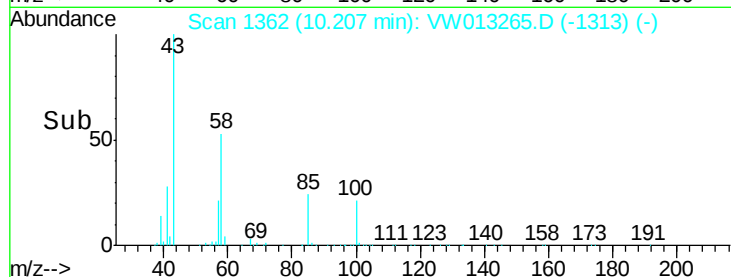
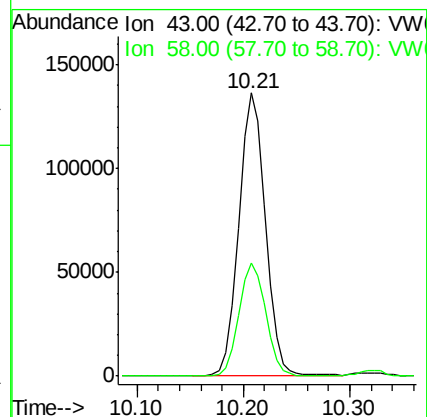
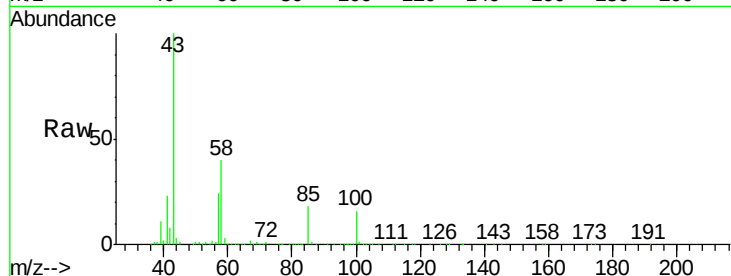
58 40.5 31.7 47.5

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#52

Toluene

Concen: 20.082 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013265.D

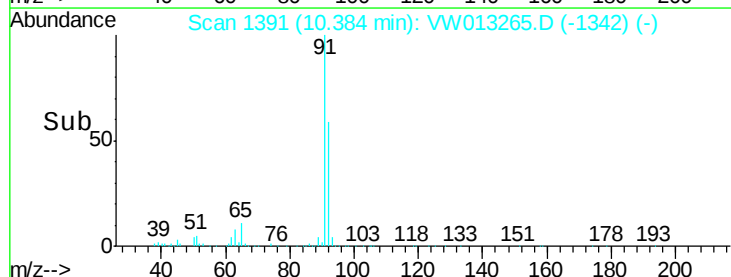
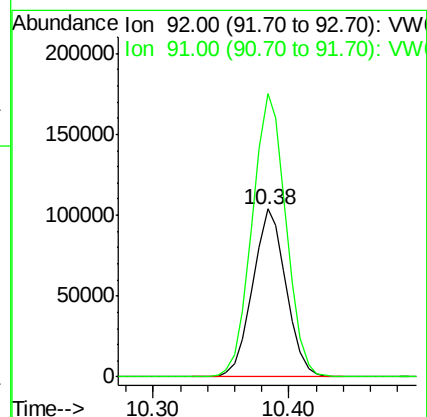
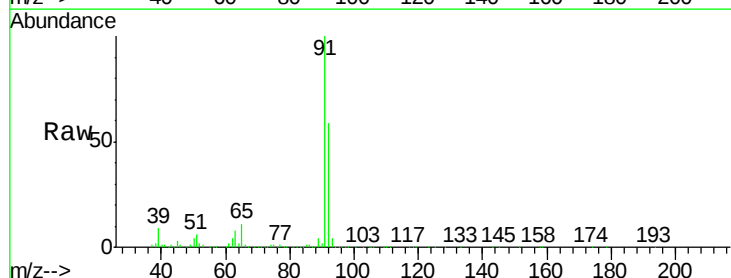
Acq: 24 Sep 2019 08:05

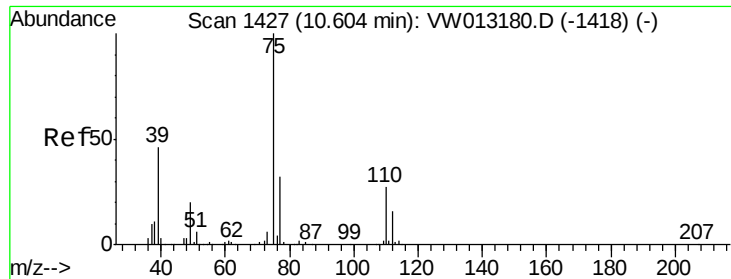
Tgt Ion: 92 Resp: 178138

Ion Ratio Lower Upper

92 100

91 171.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.275 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 82667

Ion Ratio Lower Upper

75 100

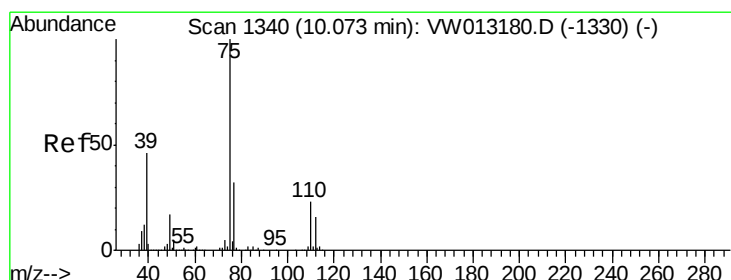
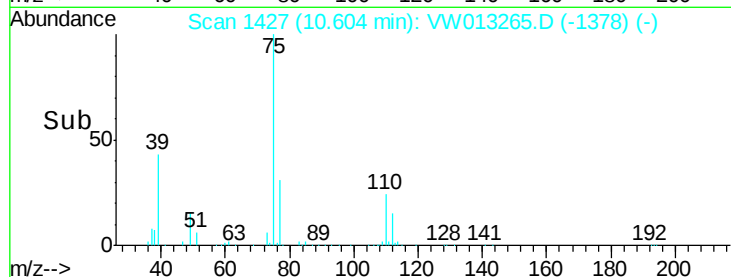
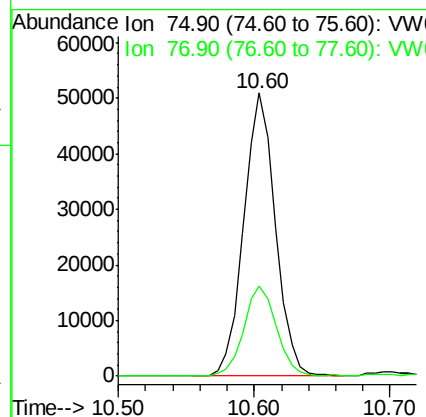
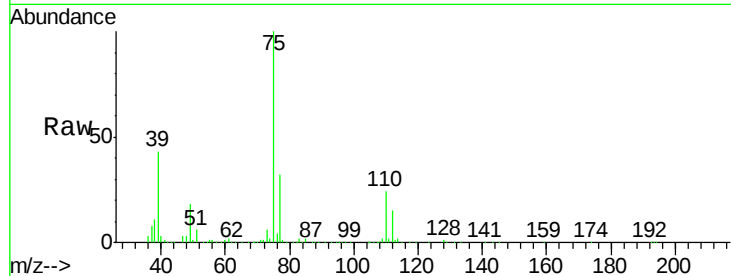
77 31.7 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 19.027 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

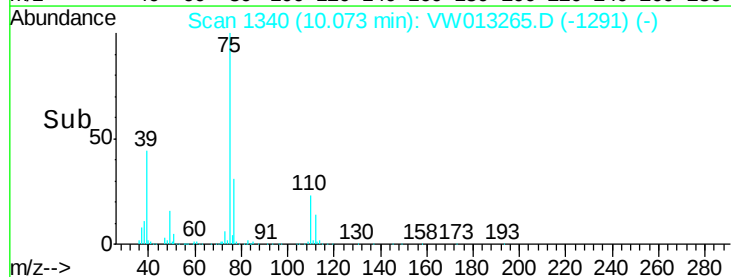
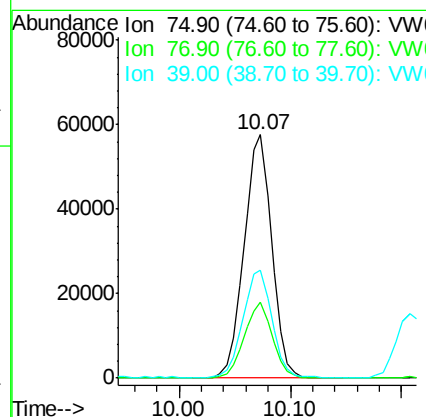
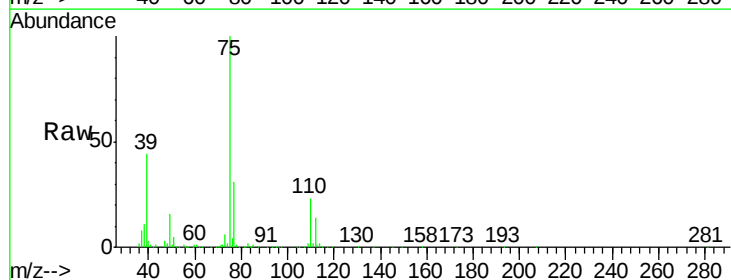
Tgt Ion: 75 Resp: 99219

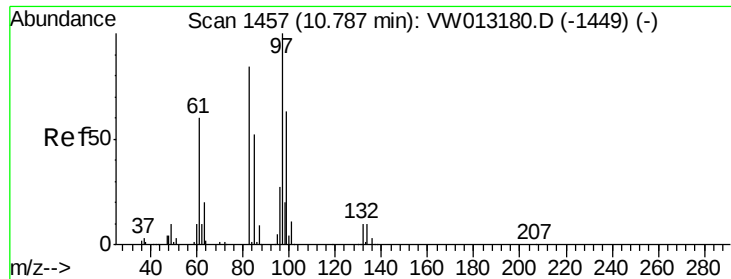
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 44.1 36.6 55.0





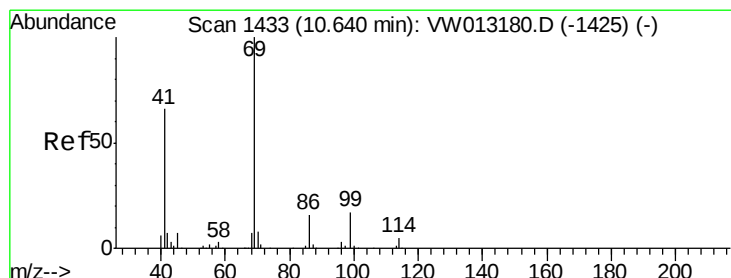
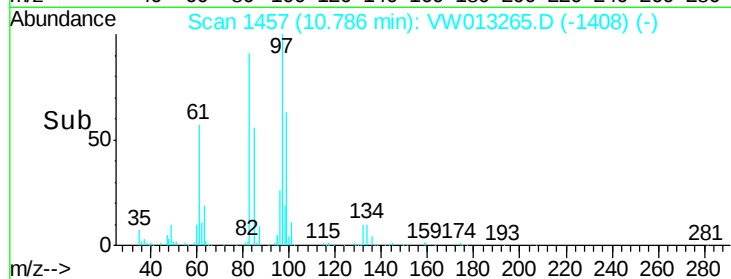
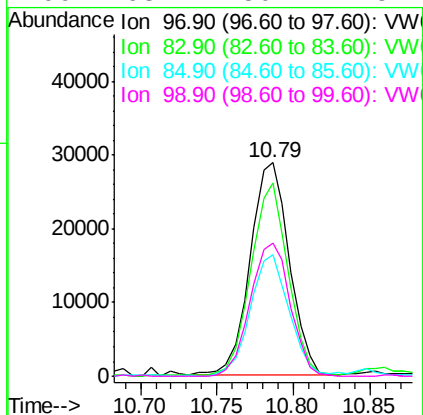
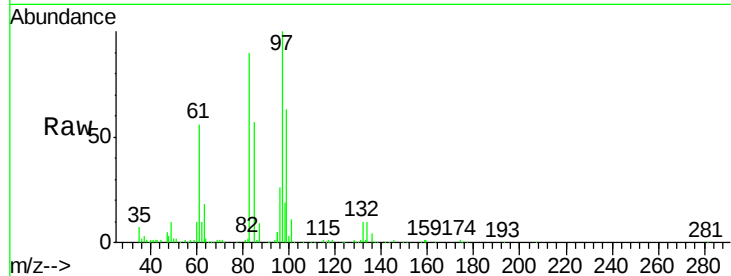
#55
 1,1,2-Trichloroethane
 Concen: 20.811 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	51030
Ion	Ratio	Lower	Upper
97	100		
83	90.3	67.6	101.4
85	56.8	41.9	62.9
99	63.1	50.1	75.1

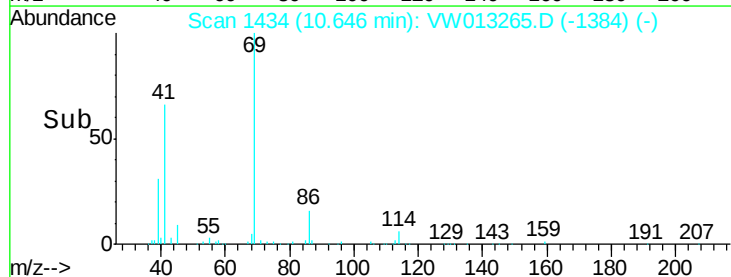
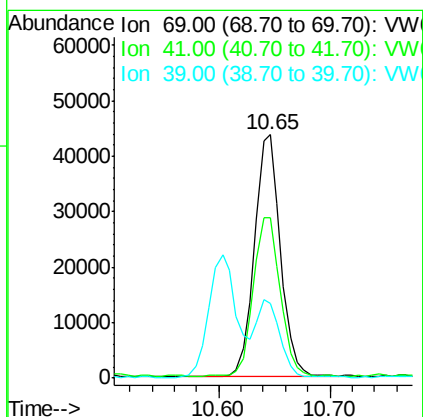
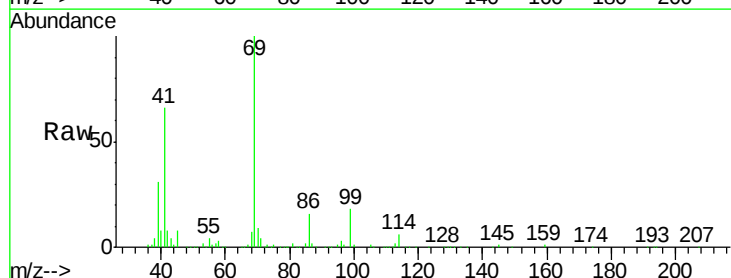
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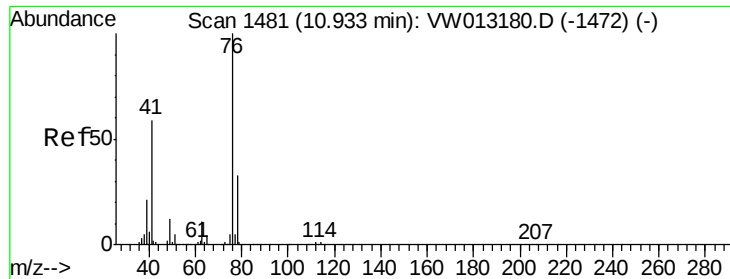
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#56
 Ethyl methacrylate
 Concen: 22.185 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion:	69	Resp:	71194
Ion	Ratio	Lower	Upper
69	100		
41	67.8	53.9	80.9
39	28.0	23.8	35.6





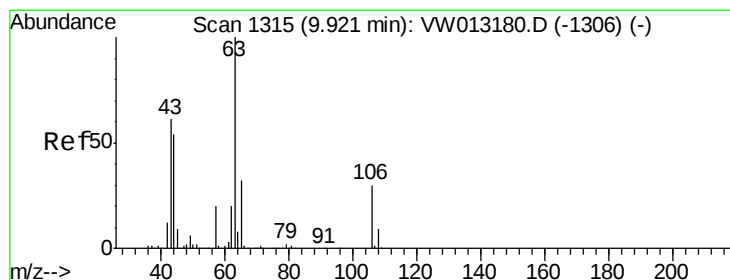
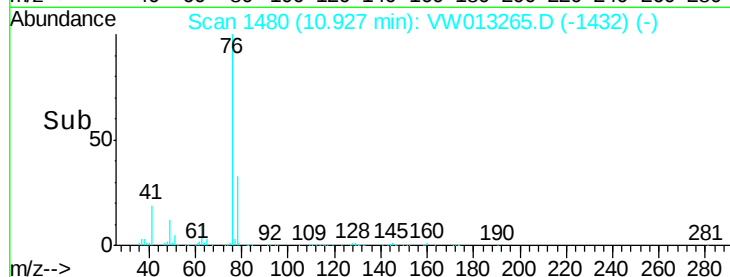
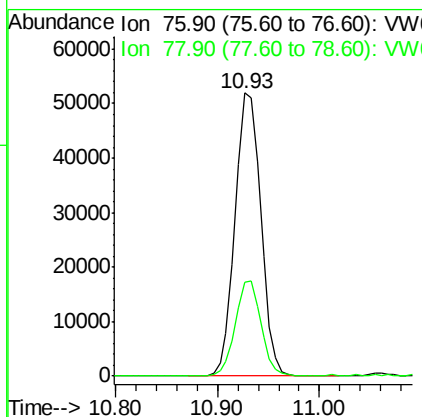
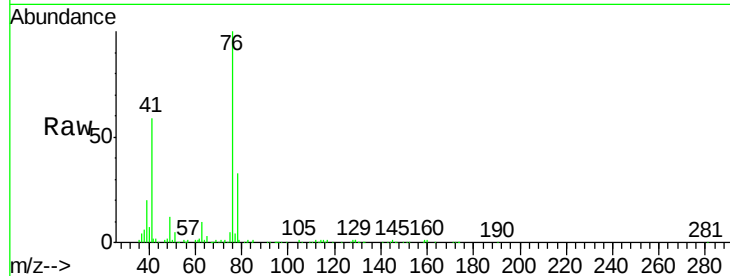
#57
 1,3-Dichloropropane
 Concen: 21.272 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 91020
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.5 38.3

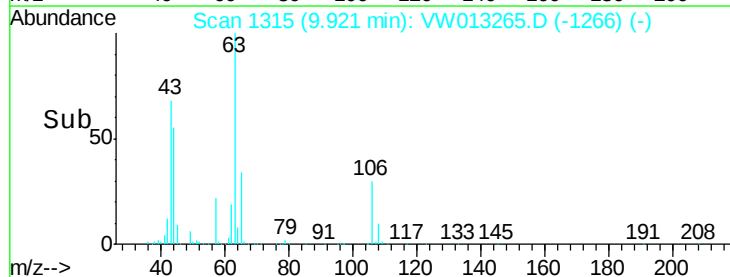
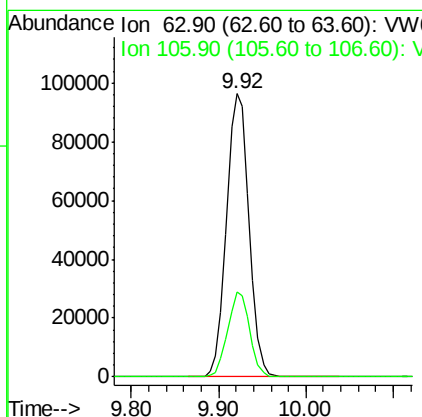
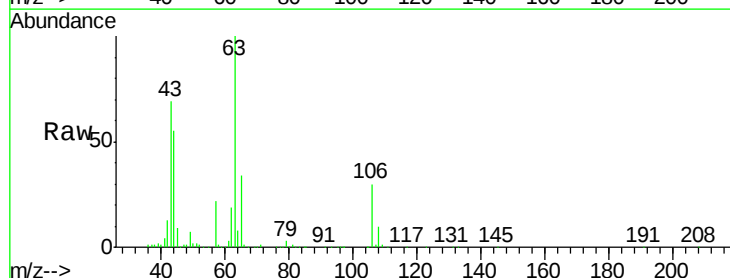
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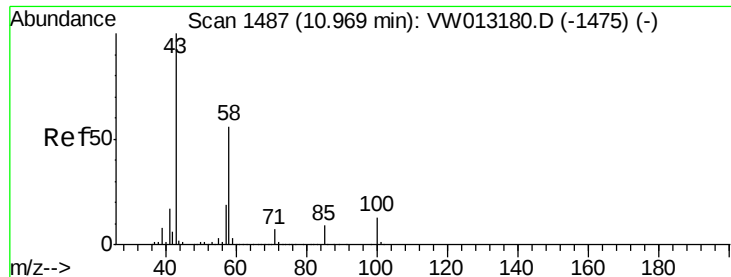
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#58
 2-Chloroethyl Vinyl ether
 Concen: 115.555 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion: 63 Resp: 171672
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.4 35.0





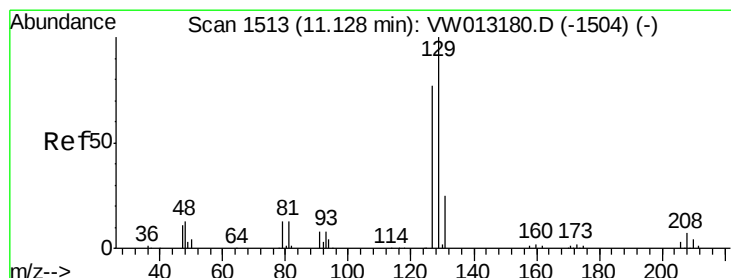
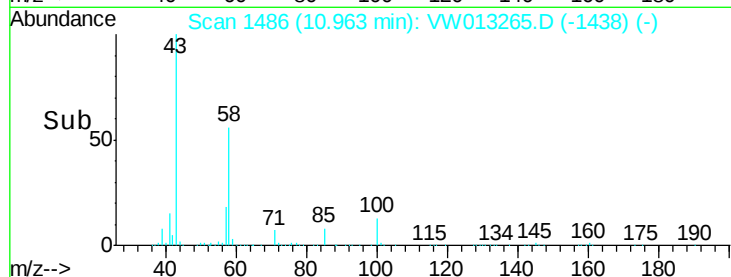
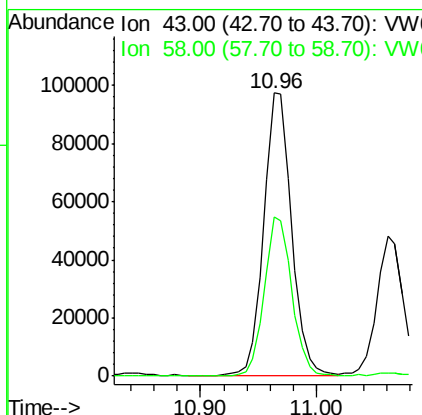
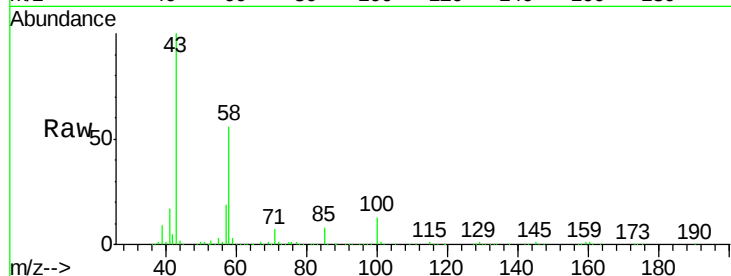
#59
2-Hexanone
Concen: 116.942 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 163025
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.2

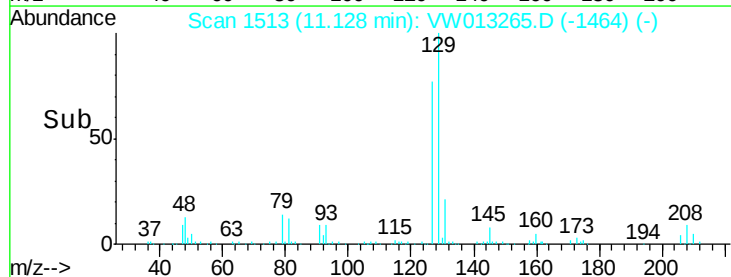
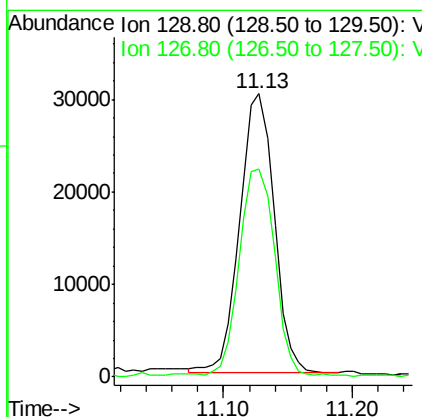
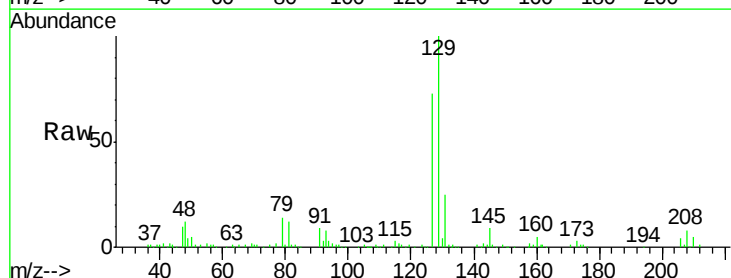
Manual Integrations
APPROVED

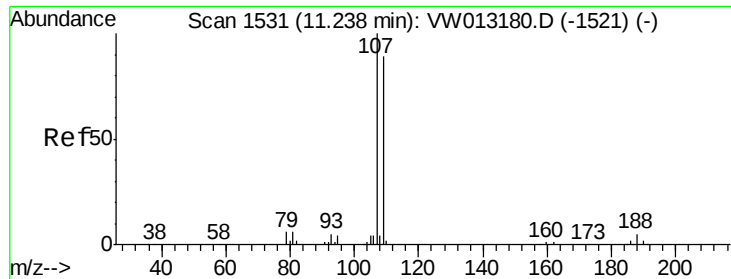
MMDadoda
9/25/2019 12:35:56 AM



#60
Dibromochloromethane
Concen: 20.171 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion: 129 Resp: 56163
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.4





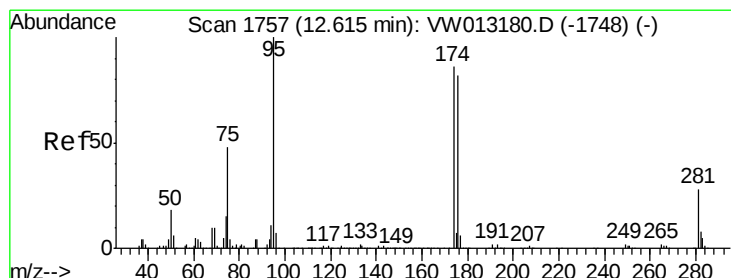
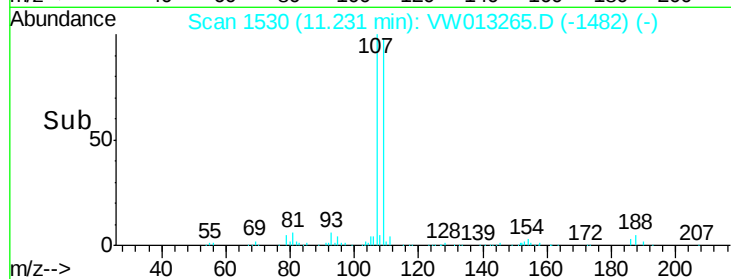
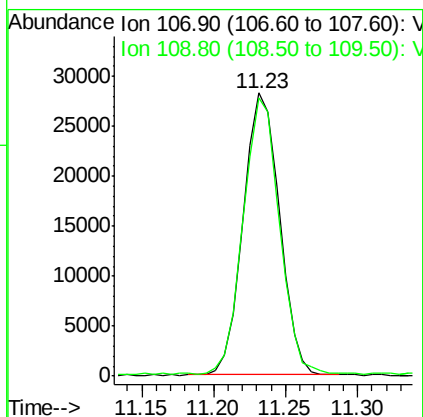
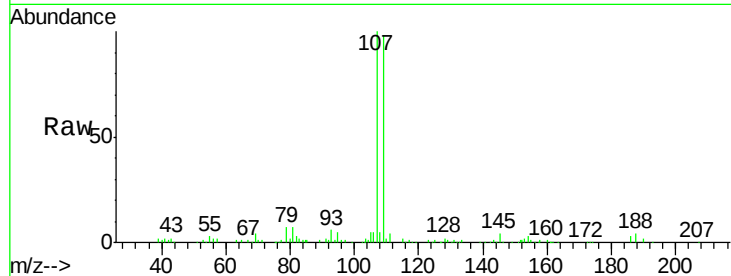
#61
 1,2-Dibromoethane
 Concen: 21.034 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.6	75.2	112.8

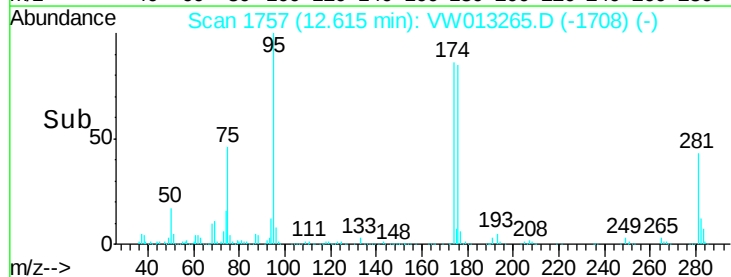
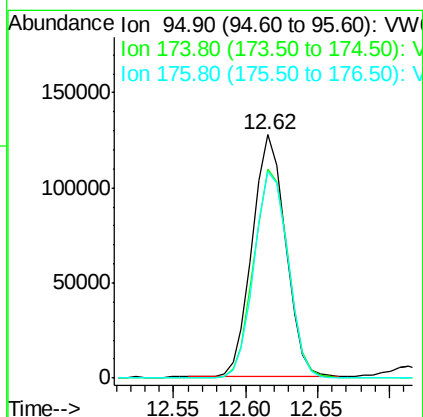
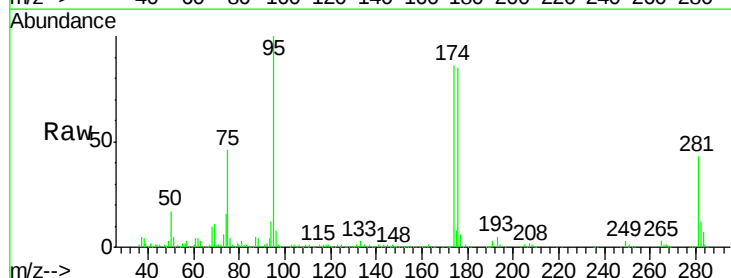
Manual Integrations
 APPROVED

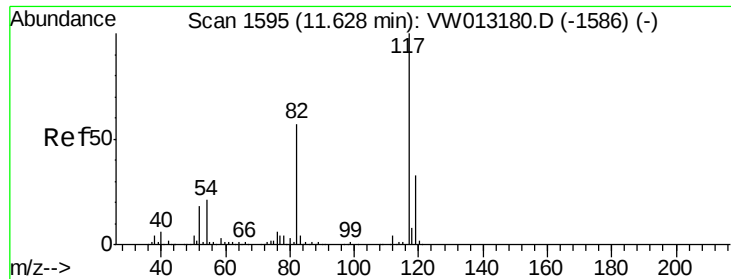
MMDadoda
 9/25/2019 12:35:56 AM



#62
 4-Bromofluorobenzene
 Concen: 50.773 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	178.4
176	86.3	0.0	172.2





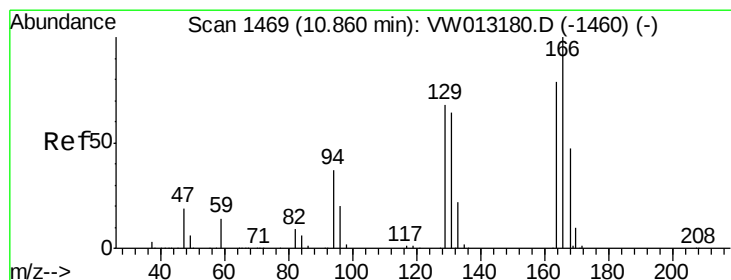
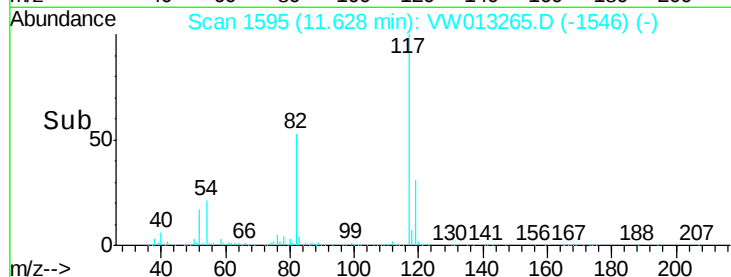
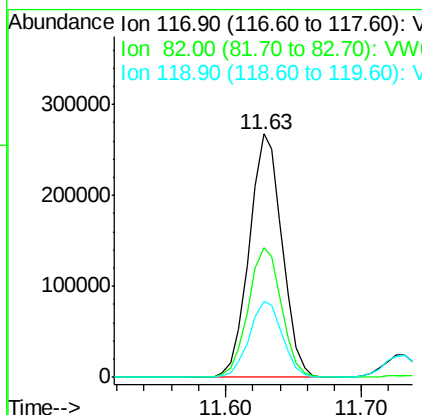
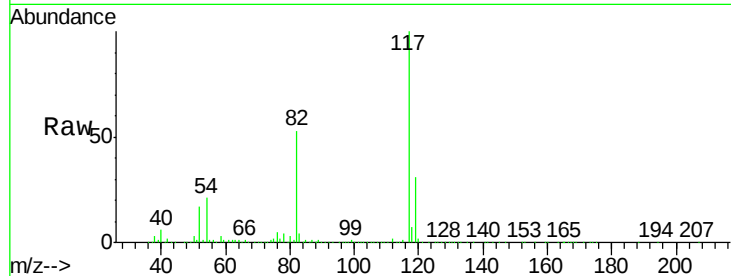
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.9	68.9
119	31.3	26.2	39.2

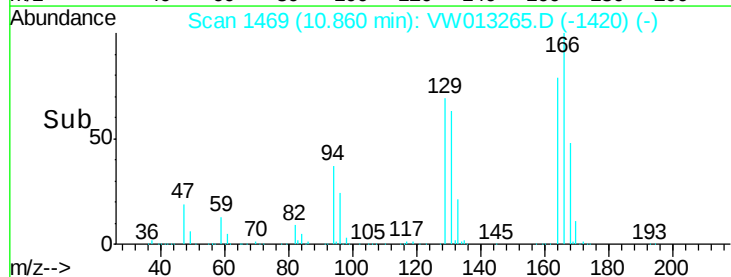
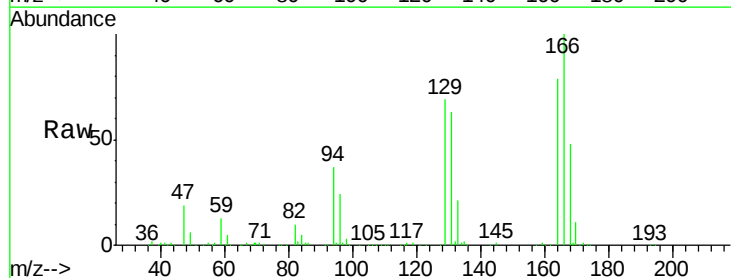
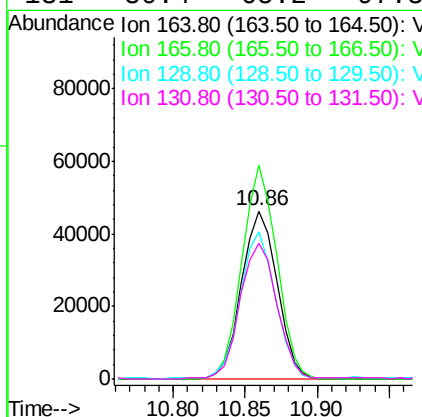
Manual Integrations
APPROVED

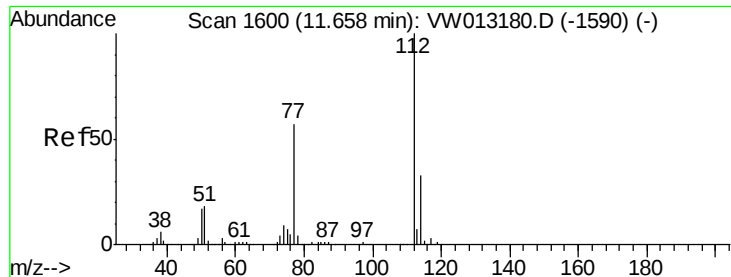
MMDadoda
9/25/2019 12:35:56 AM



#64
Tetrachloroethene
Concen: 23.184 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.2	151.8
129	87.0	68.8	103.2
131	80.4	65.2	97.8





#65

Chlorobenzene

Concen: 19.758 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 186273

Ion Ratio Lower Upper

112 100

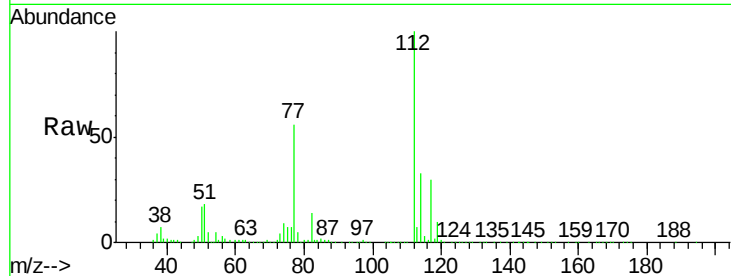
114 32.9 26.5 39.7

Manual Integrations

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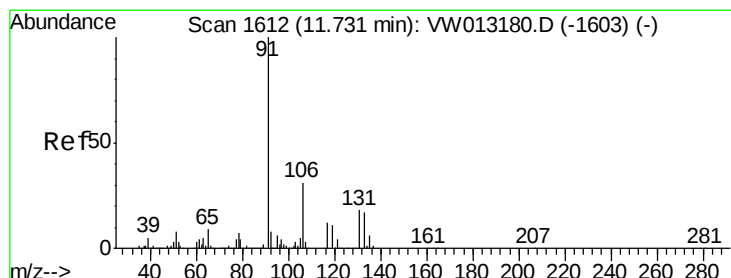
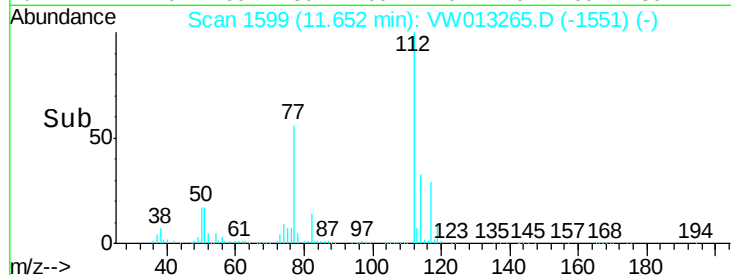
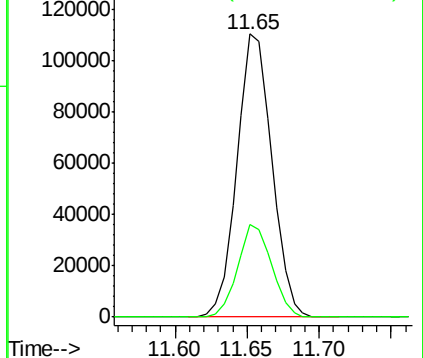
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.993 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

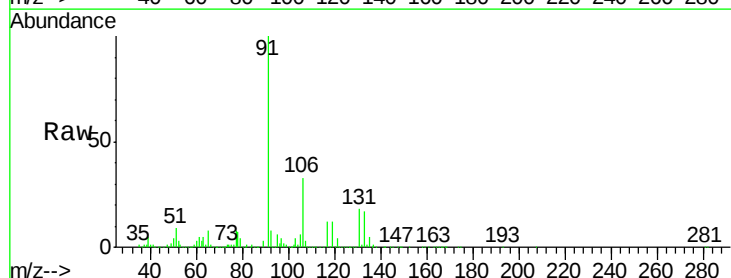
Tgt Ion:131 Resp: 64392

Ion Ratio Lower Upper

131 100

133 97.2 47.5 142.6

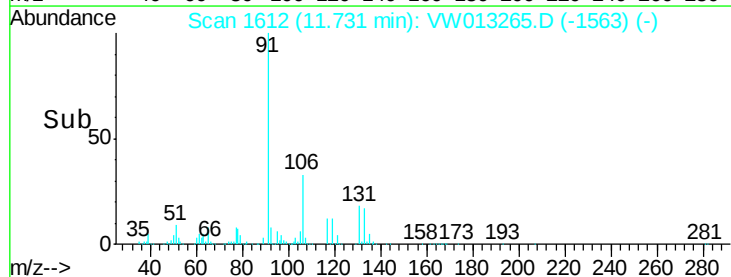
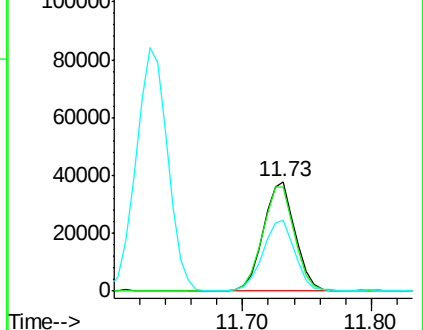
119 64.1 32.5 97.5

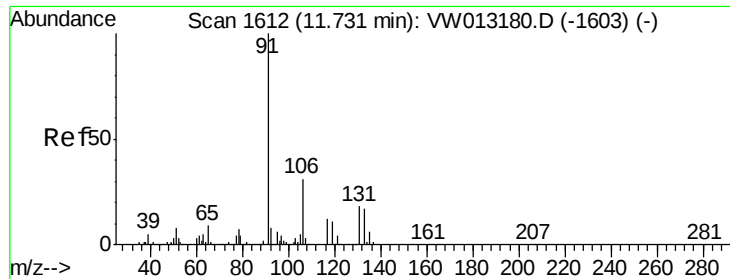


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





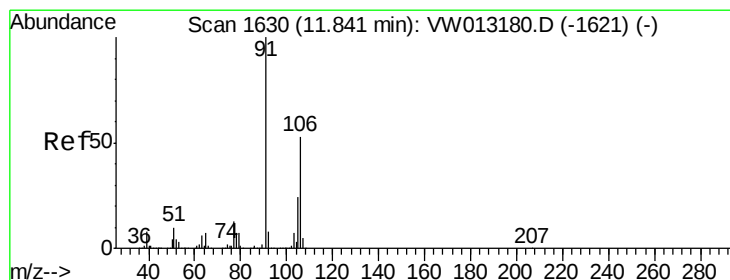
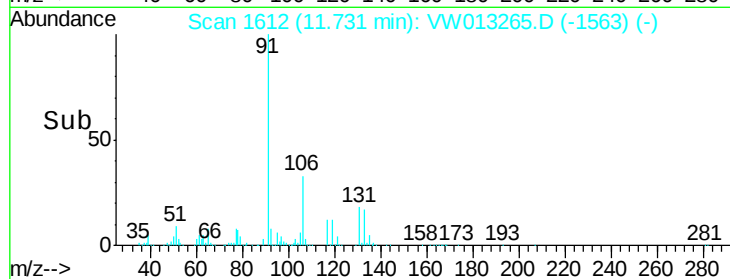
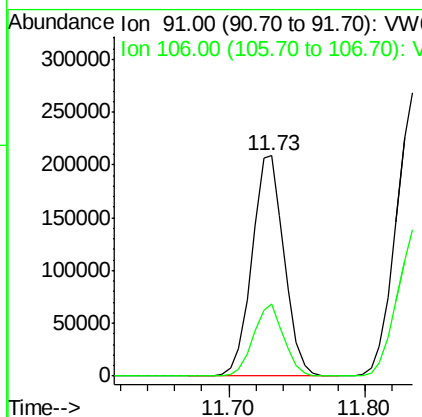
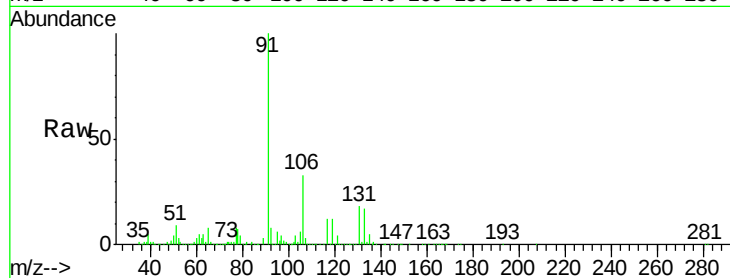
#67
Ethyl Benzene
Concen: 20.158 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.9	37.3

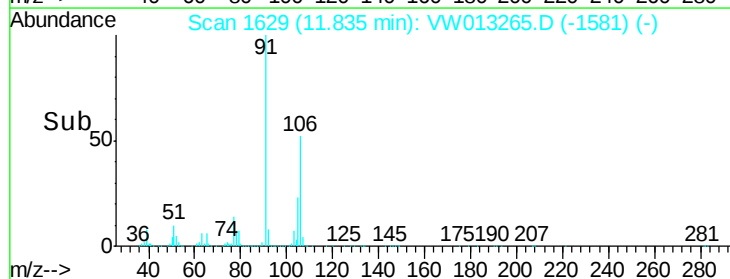
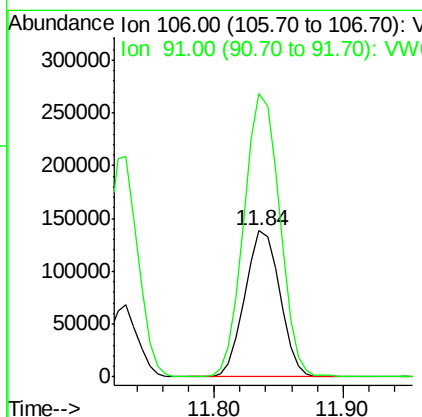
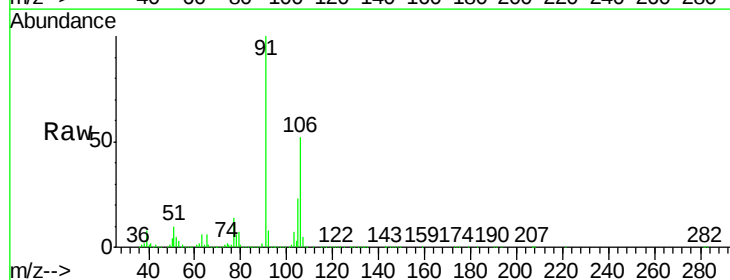
Manual Integrations
APPROVED

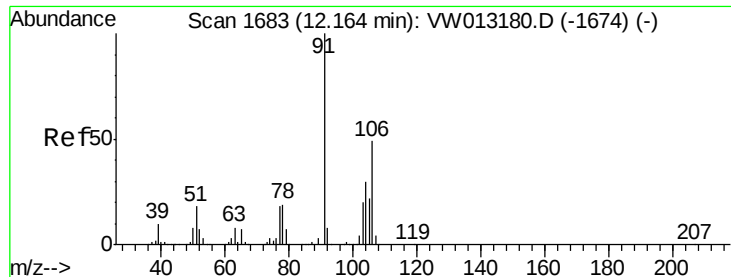
MMDadoda
9/25/2019 12:35:56 AM



#68
m/p-Xylenes
Concen: 39.876 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.1	157.9	236.9





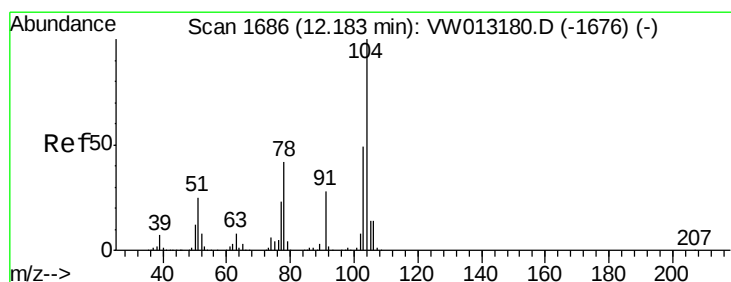
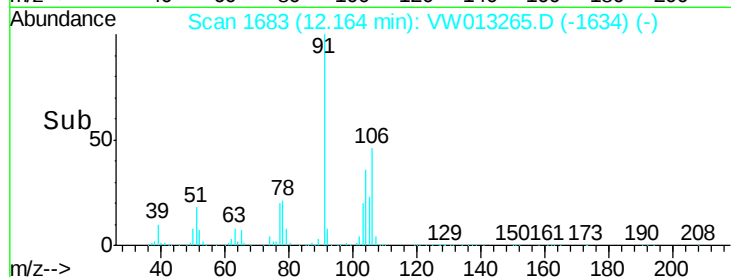
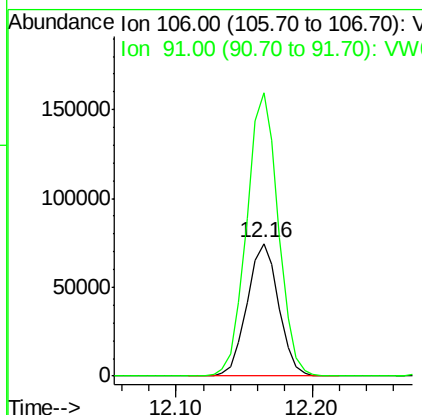
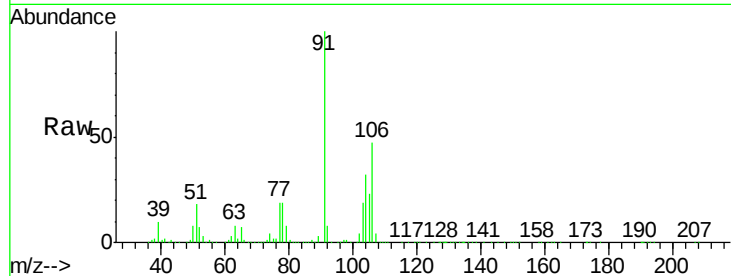
#69
o-Xylene
Concen: 20.057 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	121379		
91	212.5	106.5	319.5	

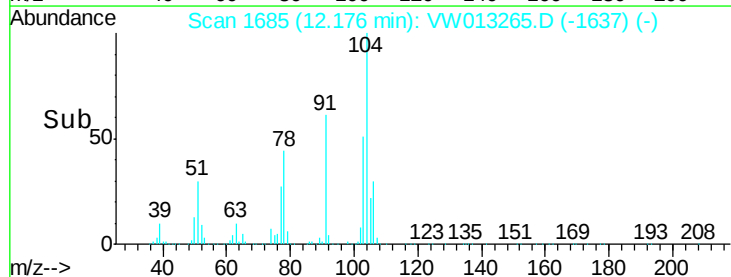
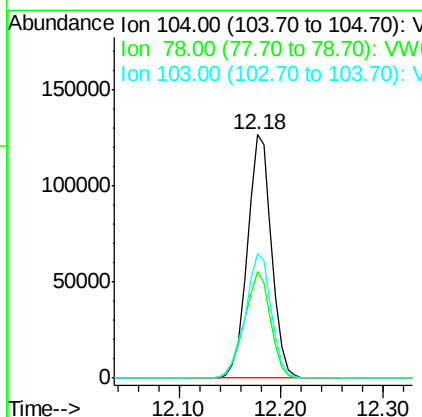
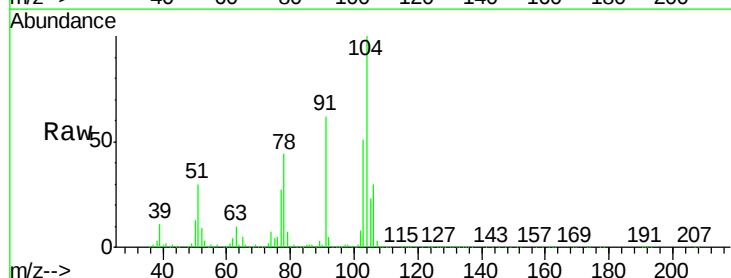
Manual Integrations
APPROVED

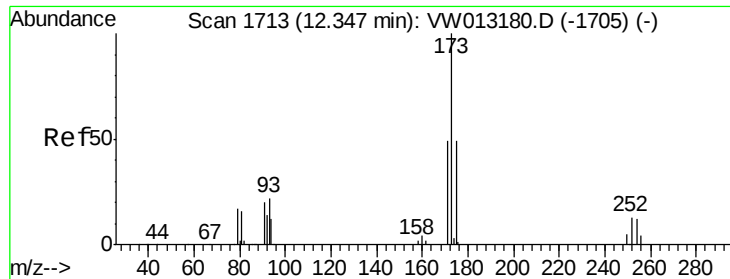
MMDadoda
9/25/2019 12:35:56 AM



#70
Styrene
Concen: 20.056 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	208380		
78	47.1	38.4	57.6	
103	55.1	43.3	64.9	





#71

Bromoform

Concen: 19.824 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 33732

Ion Ratio Lower Upper

173 100

175 48.0 24.3 73.0

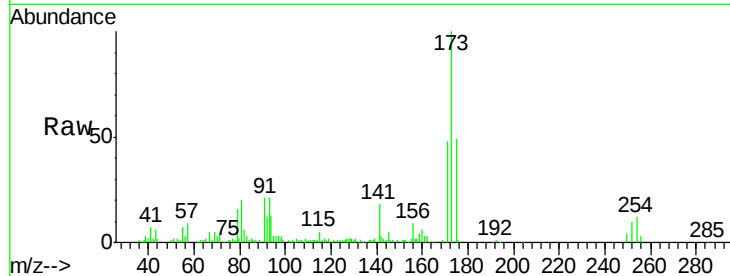
254 0.2 0.1 0.1#

Manual Integrations

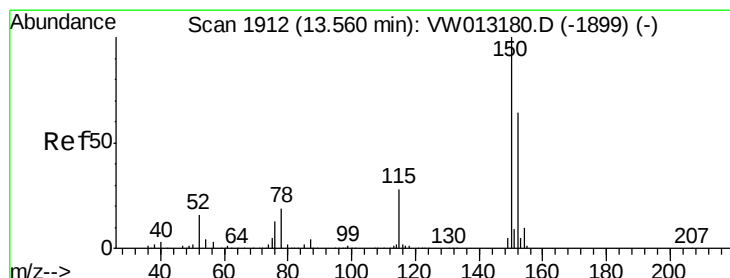
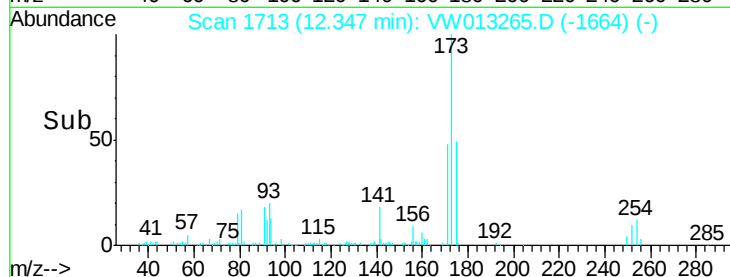
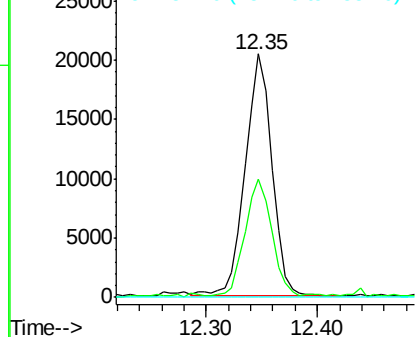
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

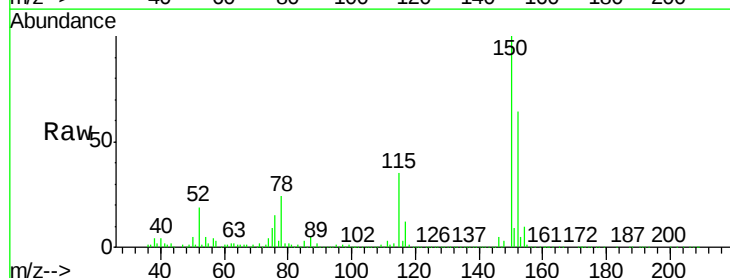
Tgt Ion:152 Resp: 224906

Ion Ratio Lower Upper

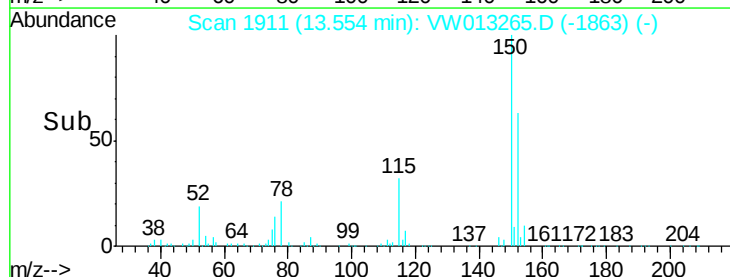
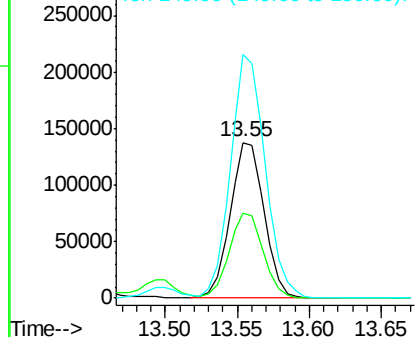
152 100

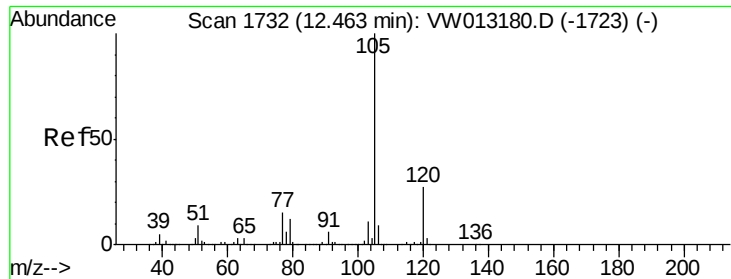
115 54.2 27.3 81.9

150 161.1 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.473 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 340133

Ion Ratio Lower Upper

105 100

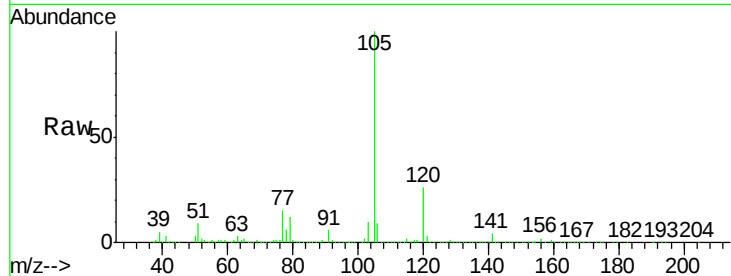
120 26.2 13.4 40.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

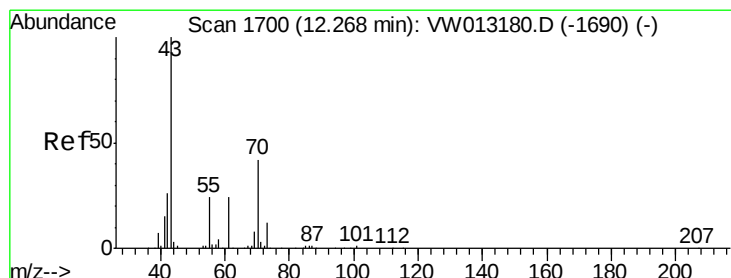
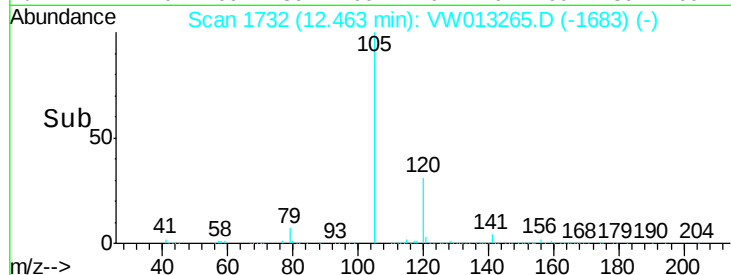
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.835 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tgt Ion: 43 Resp: 80497

Ion Ratio Lower Upper

43 100

70 42.7 35.1 52.7

55 23.9 19.9 29.9

61 24.1 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

60000

40000

20000

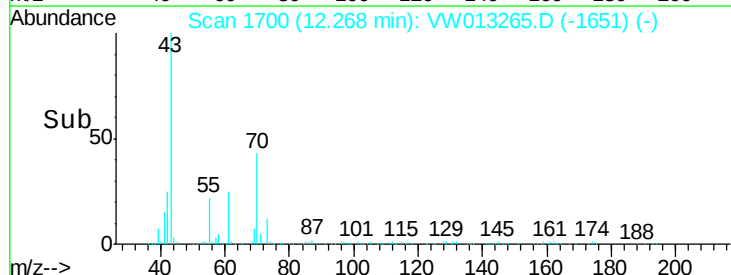
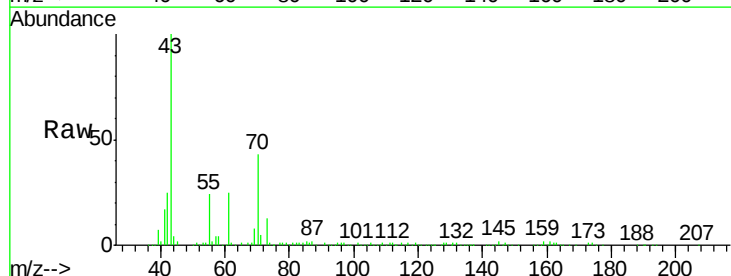
0

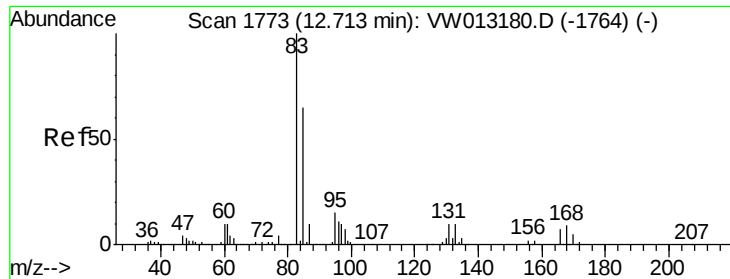
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.202 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

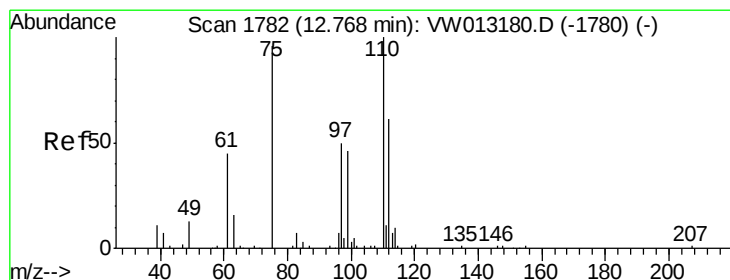
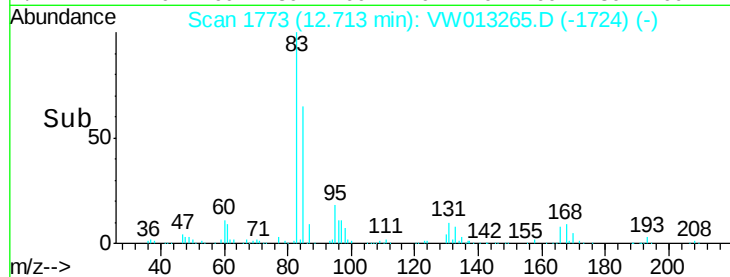
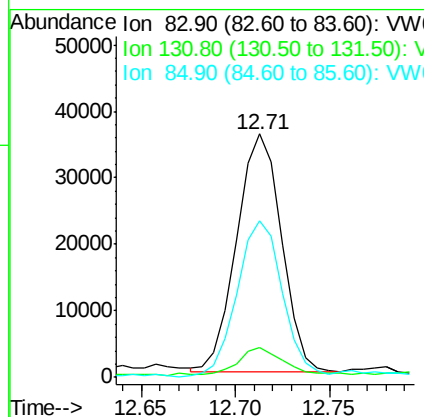
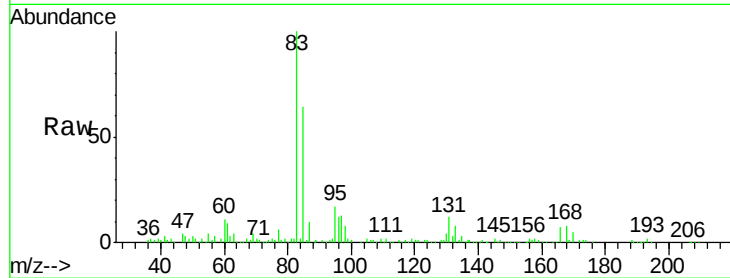
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	58912
Ion Ratio	Lower	Upper	
83	100		
131	13.7	5.4	16.2
85	65.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.027 ug/l m

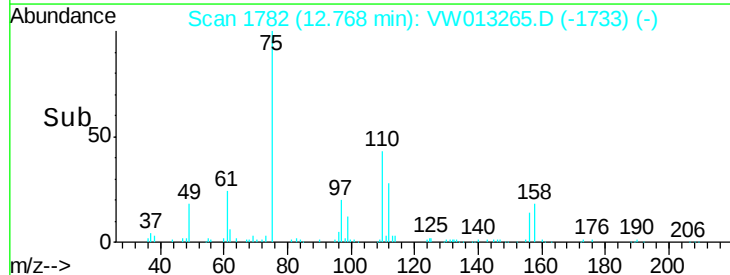
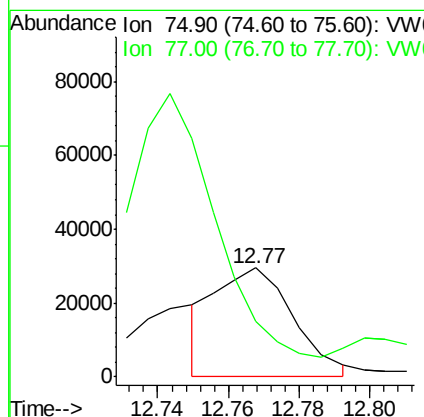
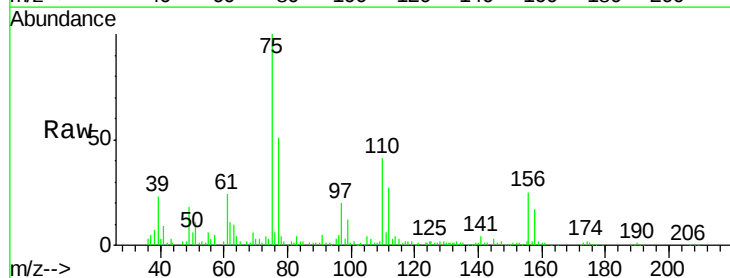
RT: 12.77 min Scan# 1782

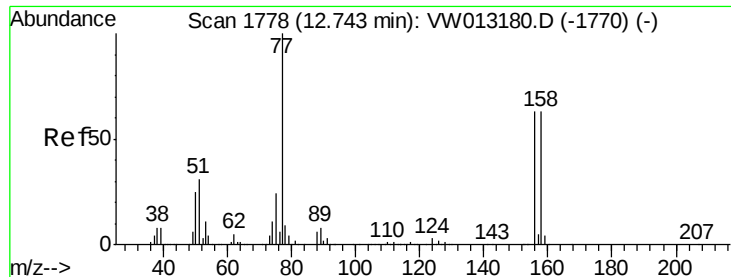
Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Tgt Ion:	75	Resp:	45736
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.598 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 81096

Ion Ratio Lower Upper

156 100

77 174.3 85.7 257.1

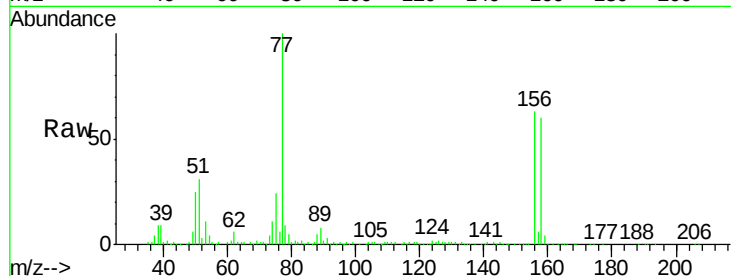
158 96.5 48.1 144.4

Manual Integrations

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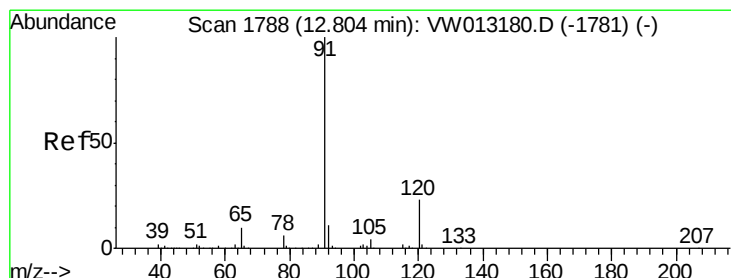
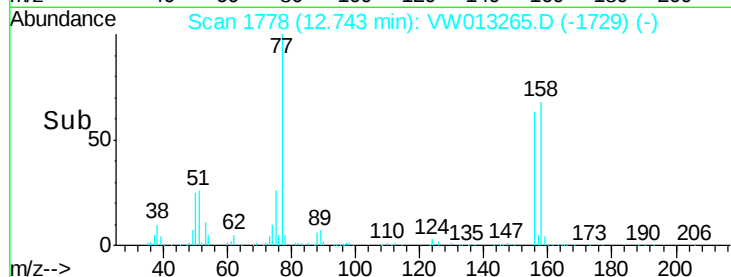
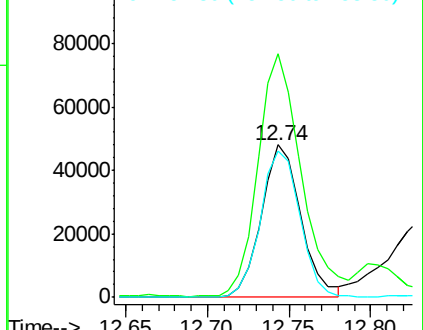
9/25/2019 12:35:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.030 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013265.D

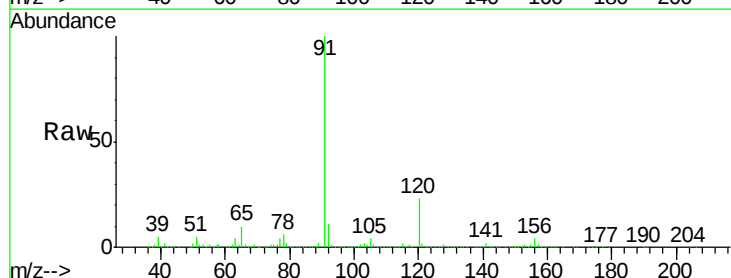
Acq: 24 Sep 2019 08:05

Tgt Ion: 91 Resp: 389519

Ion Ratio Lower Upper

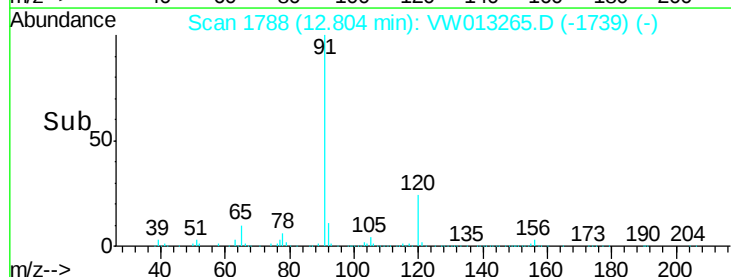
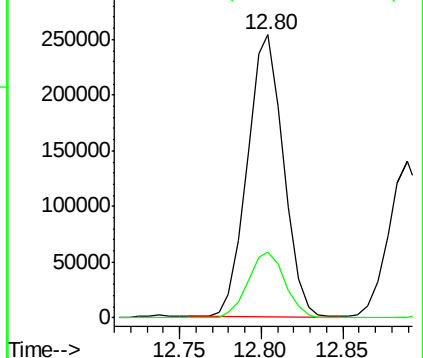
91 100

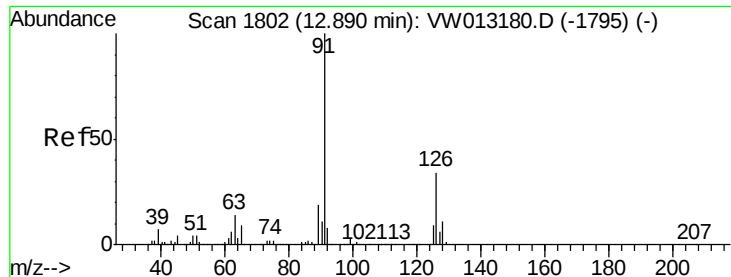
120 23.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.499 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 223341

Ion Ratio Lower Upper

91 100

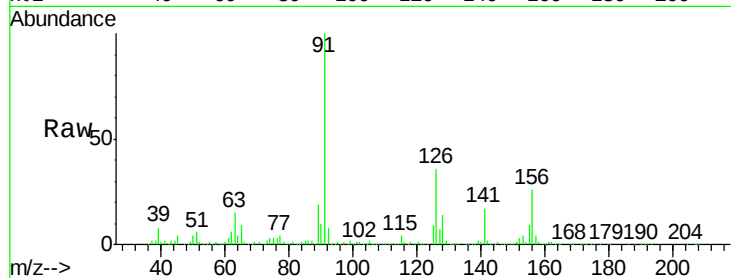
126 36.5 17.2 51.5

Manual Integrations

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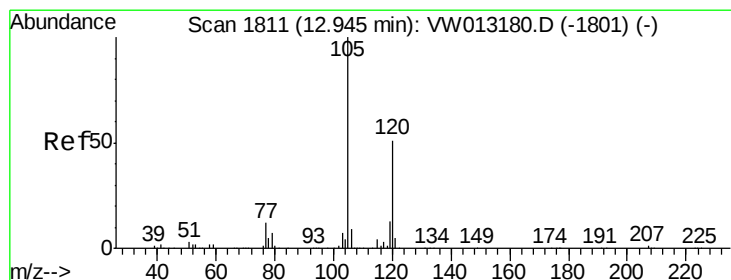
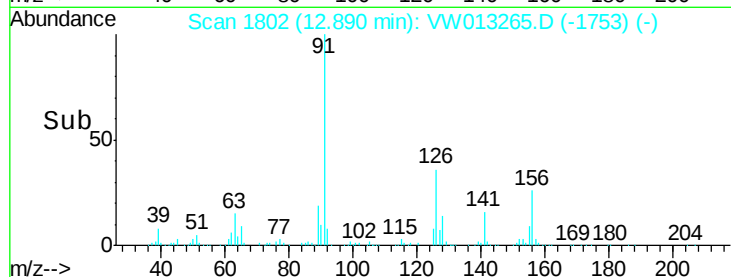
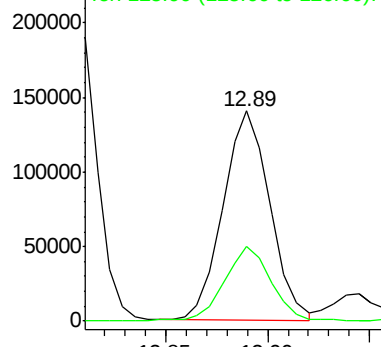
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.498 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013265.D

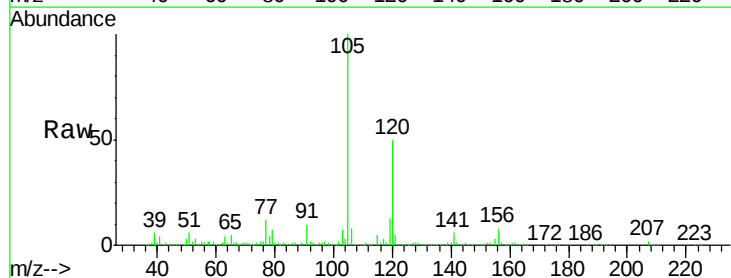
Acq: 24 Sep 2019 08:05

Tgt Ion:105 Resp: 286267

Ion Ratio Lower Upper

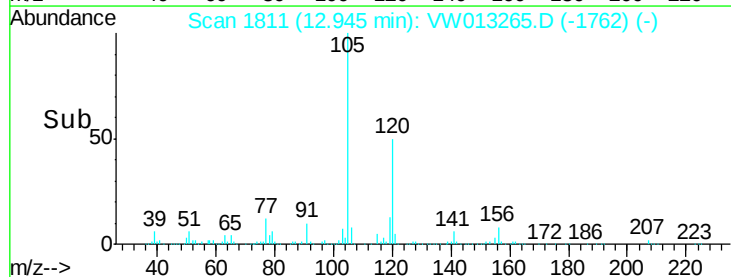
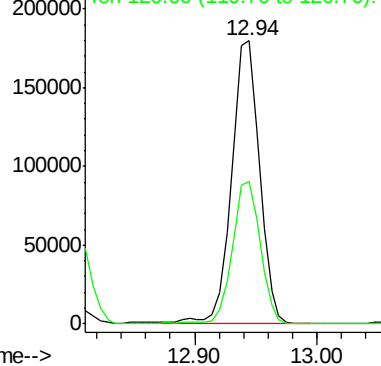
105 100

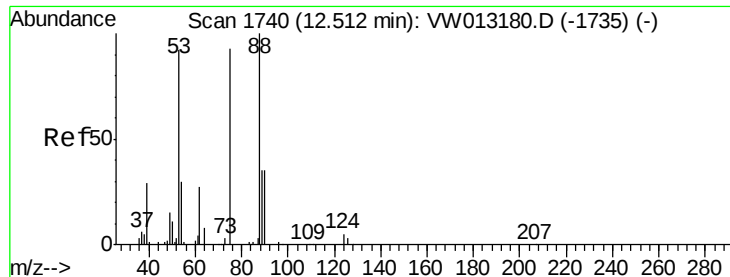
120 50.6 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





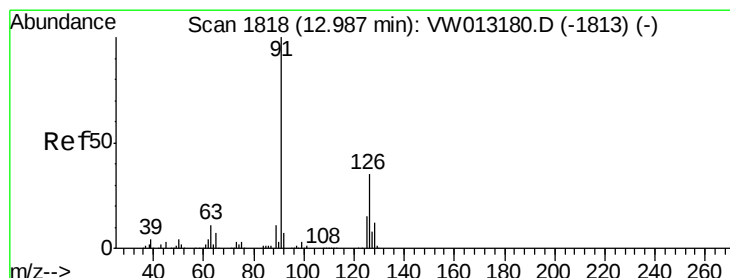
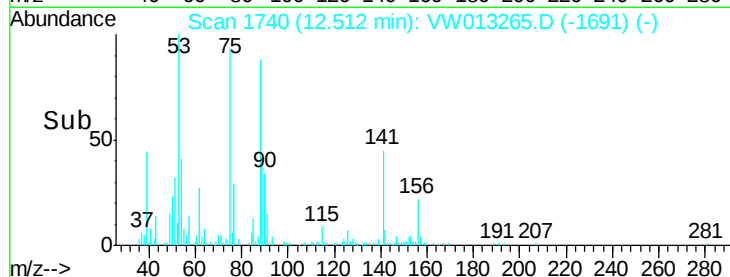
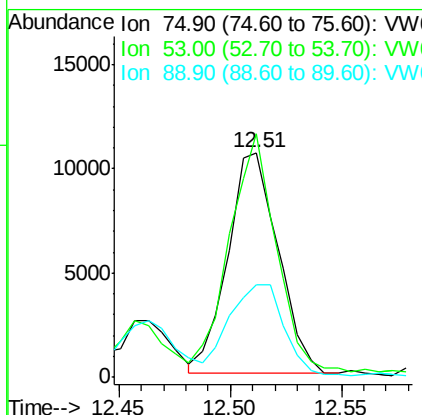
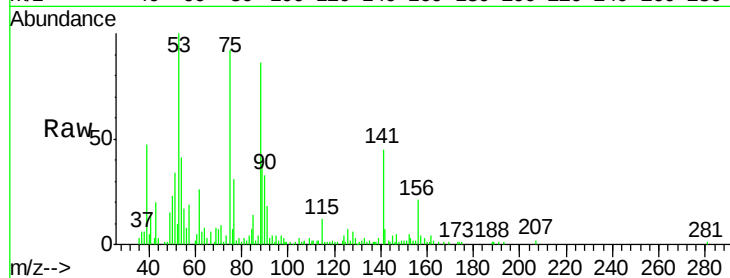
#81
trans-1,4-Dichloro-2-butene
Concen: 18.705 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.2	76.6	114.8
89	47.1	33.5	50.3

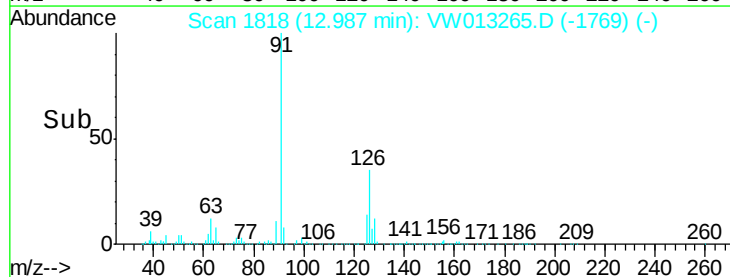
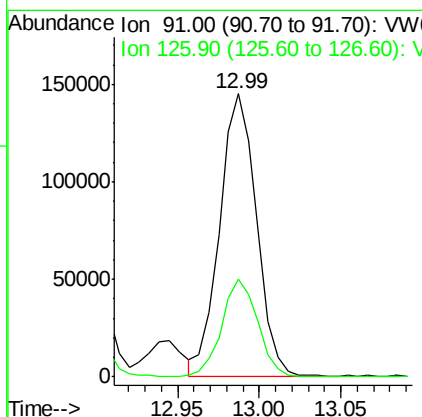
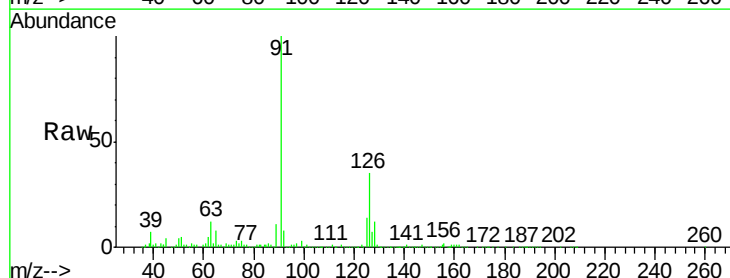
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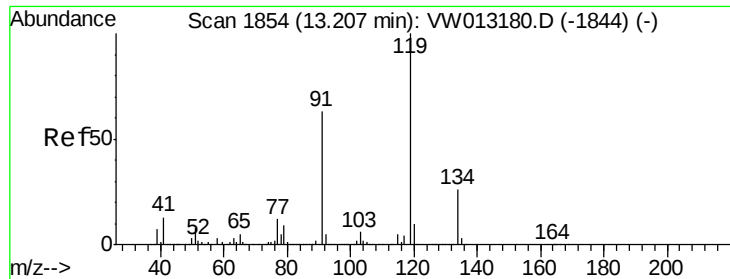
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9/25/2019 12:35:56 AM



#82
4-Chlorotoluene
Concen: 19.663 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.3	51.7





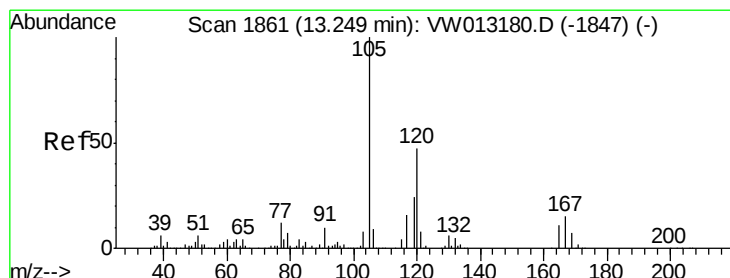
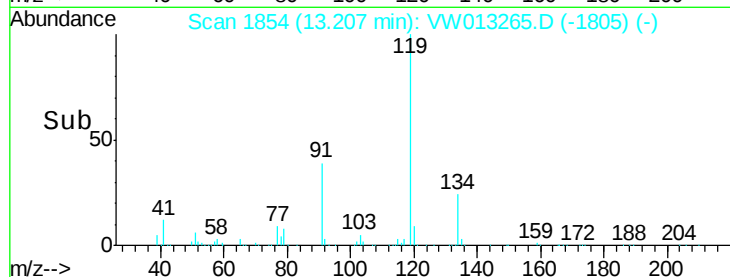
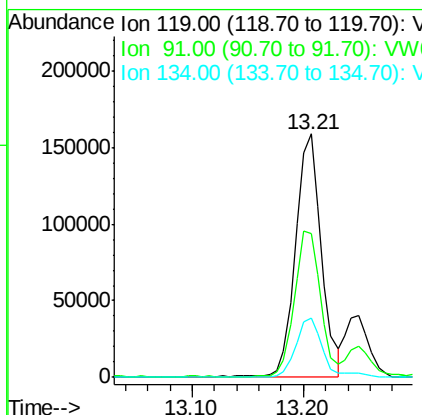
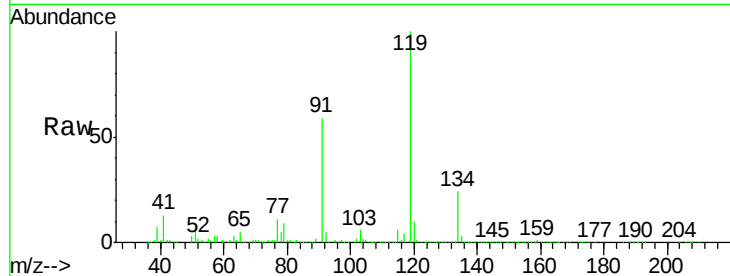
#83
tert-Butylbenzene
Concen: 20.748 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.7	92.1
134	25.8	12.6	37.6

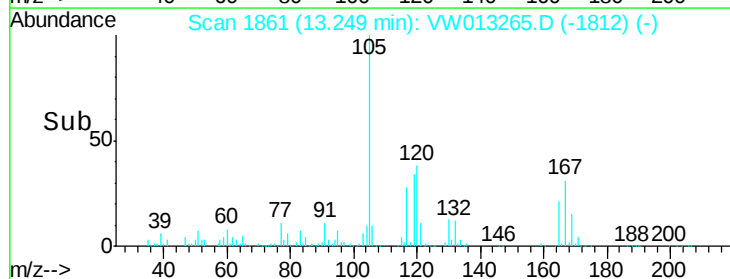
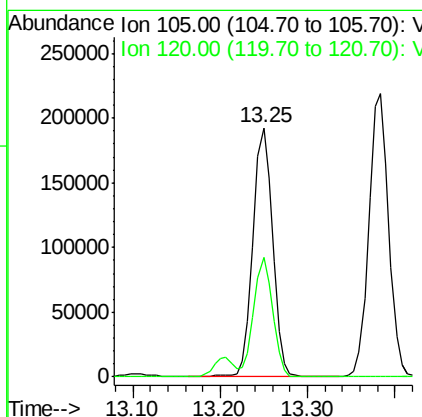
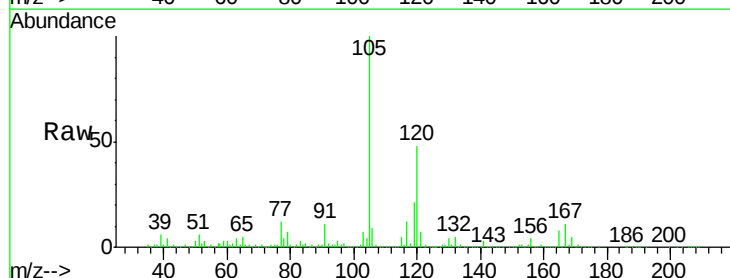
Manual Integrations
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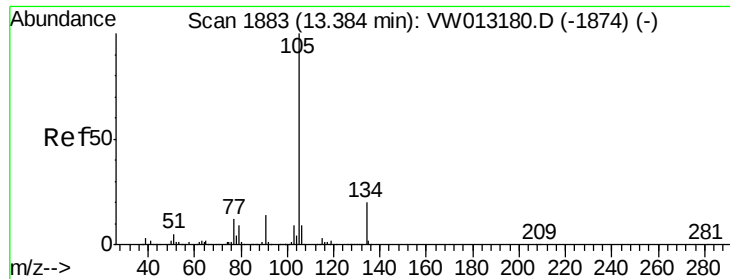
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.466 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.402 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 344784

Ion Ratio Lower Upper

105 100

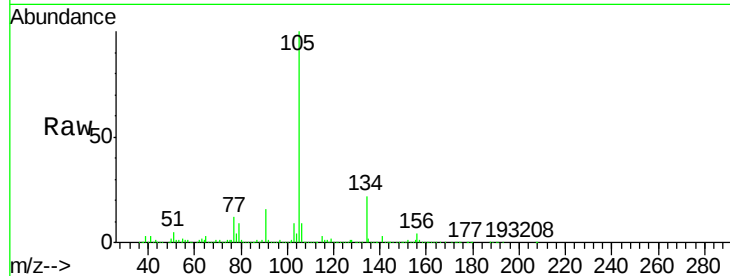
134 21.4 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

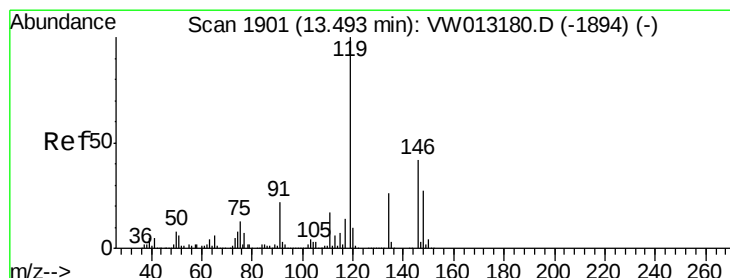
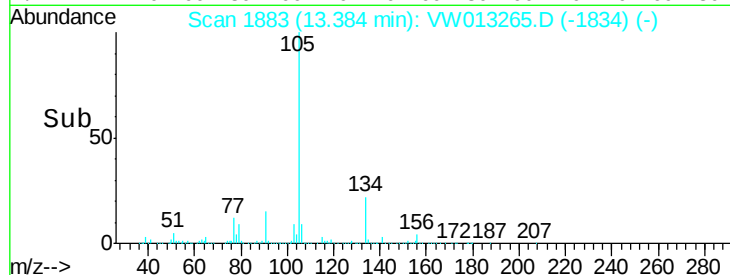
100000

50000

0

13.30 13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 20.203 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013265.D

Acq: 24 Sep 2019 08:05

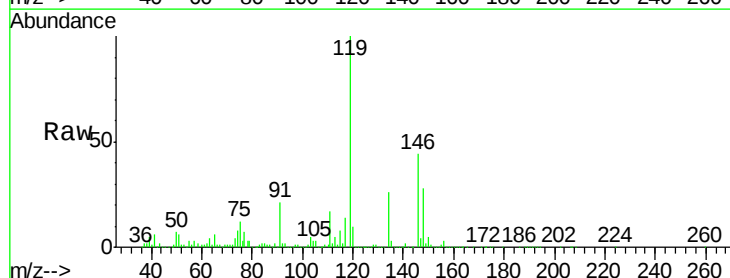
Tgt Ion:119 Resp: 316679

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 21.7 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

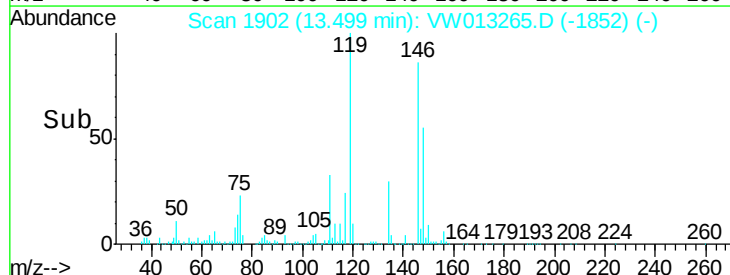
100000

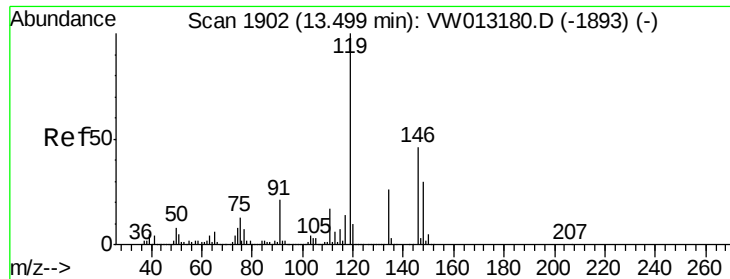
50000

0

13.40 13.50

Time-->





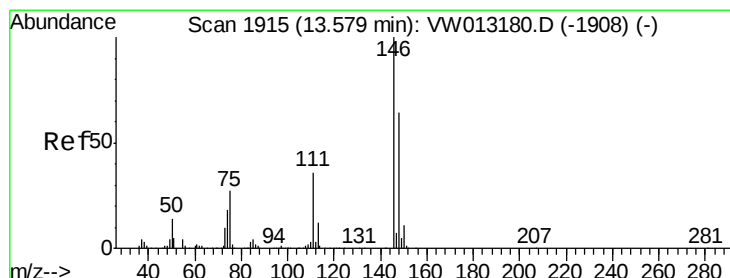
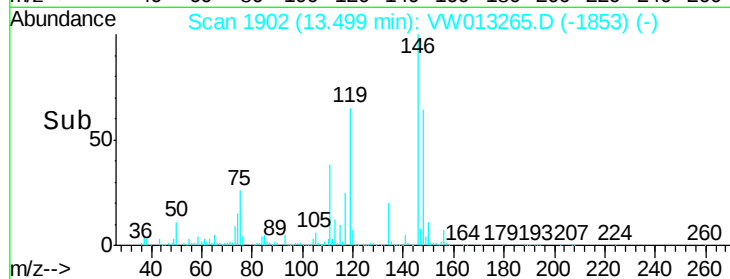
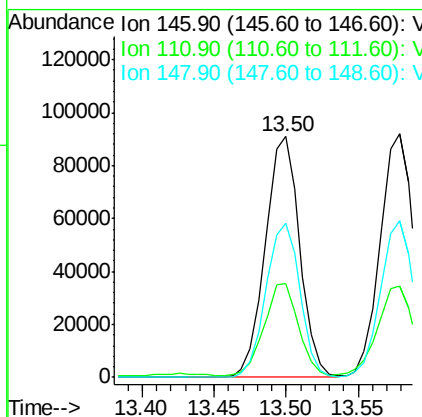
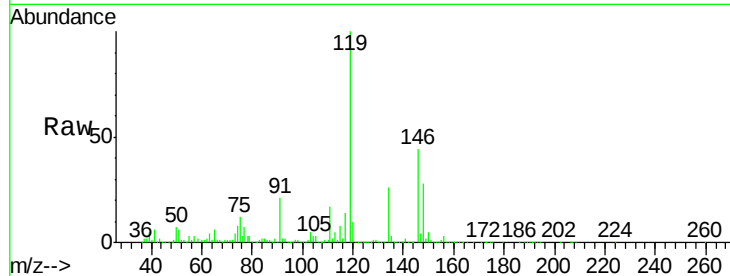
#87
 1,3-Dichlorobenzene
 Concen: 19.801 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.9	31.9	95.5

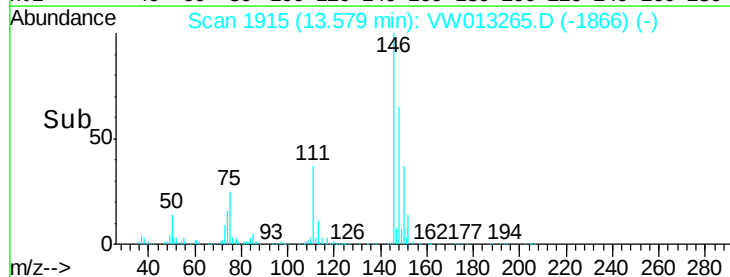
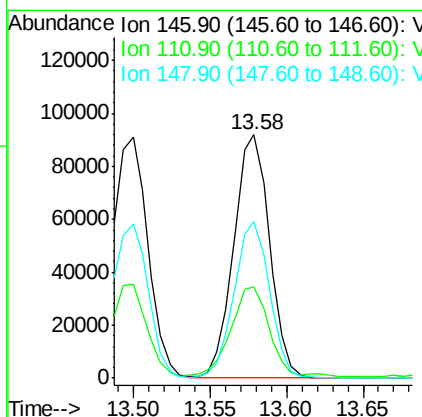
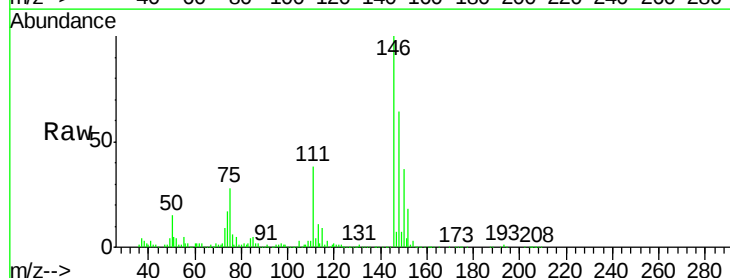
Manual Integrations
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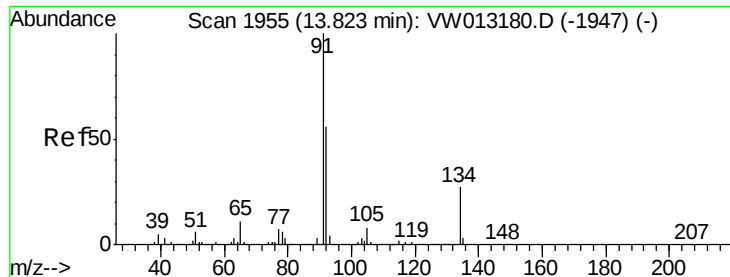
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#88
 1,4-Dichlorobenzene
 Concen: 19.987 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.4	55.0
148	63.5	32.1	96.3





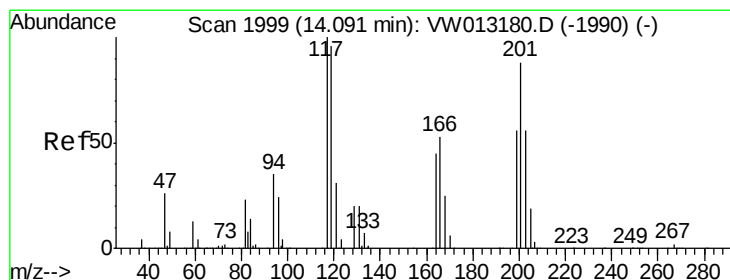
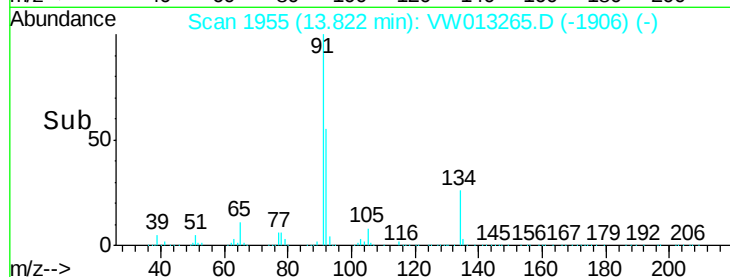
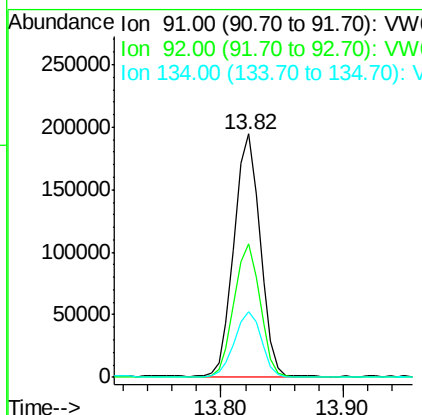
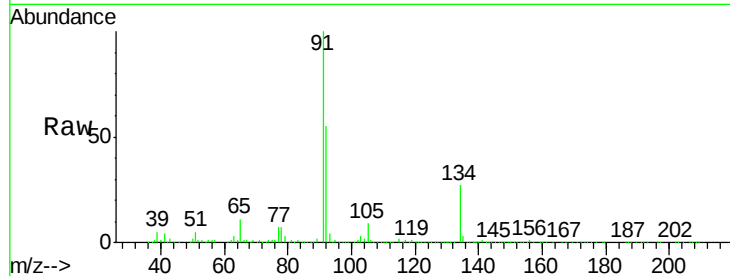
#89
n-Butylbenzene
Concen: 19.978 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.6	82.8
134	28.0	13.7	41.1

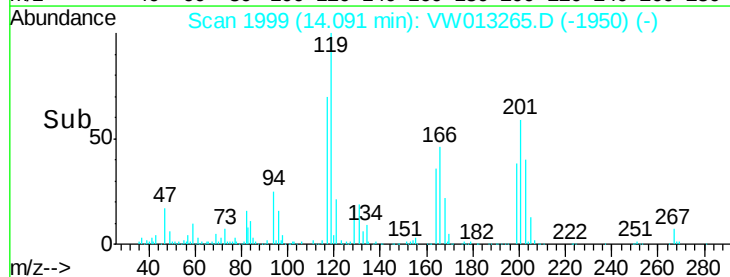
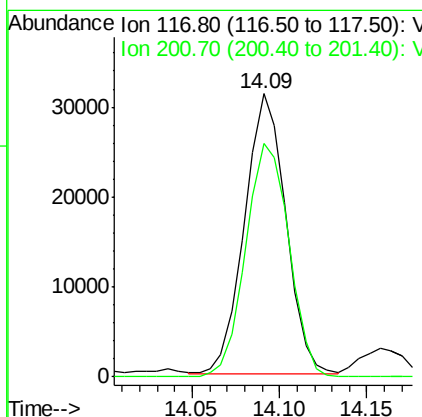
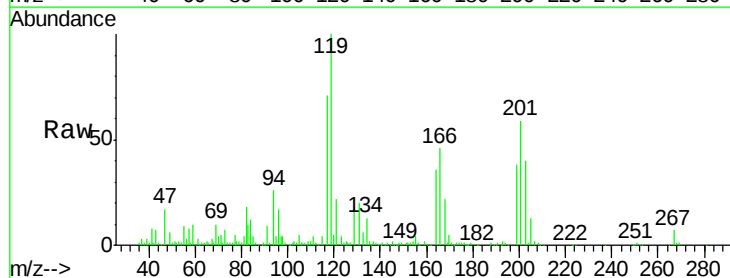
Manual Integrations
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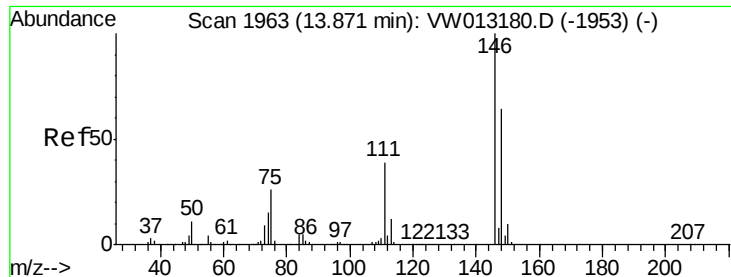
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#90
Hexachloroethane
Concen: 19.572 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	44.5	133.5





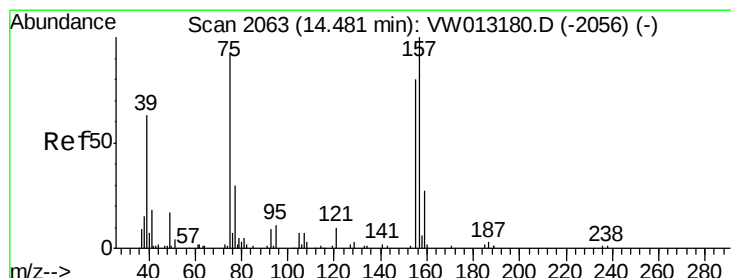
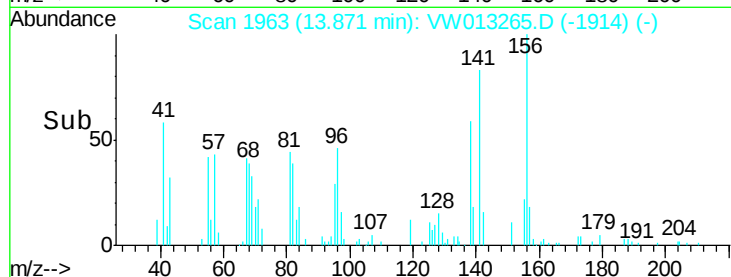
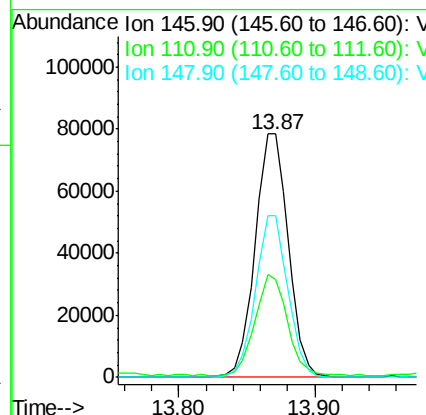
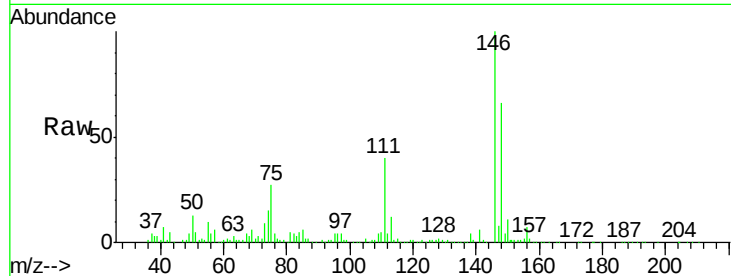
#91
 1,2-Dichlorobenzene
 Concen: 20.409 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.3
148	64.8	32.0	96.0

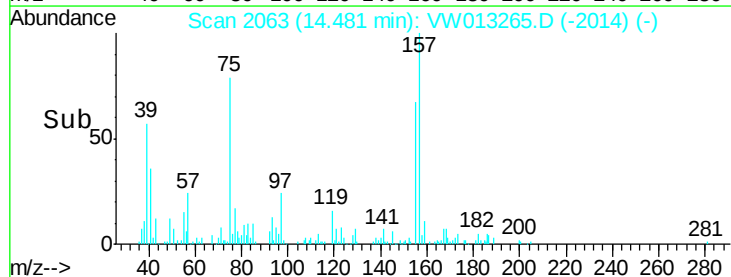
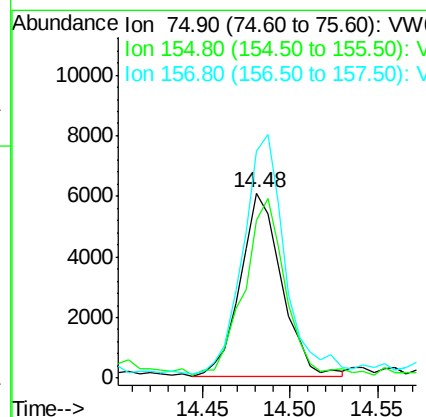
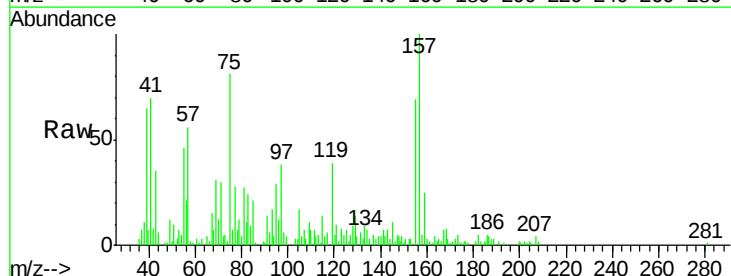
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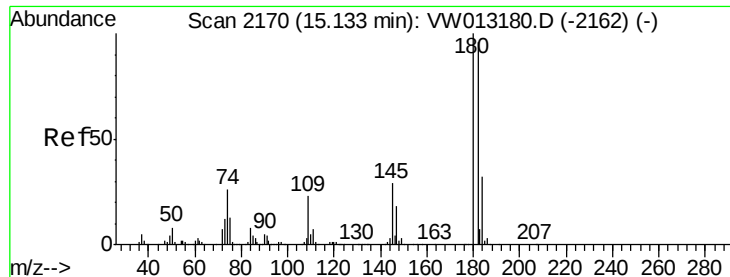
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.151 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	46.1	138.3
157	134.0	60.4	181.2





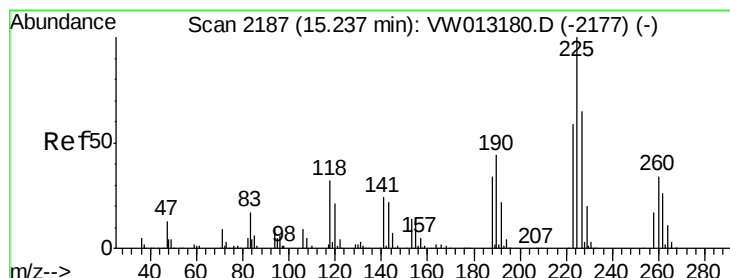
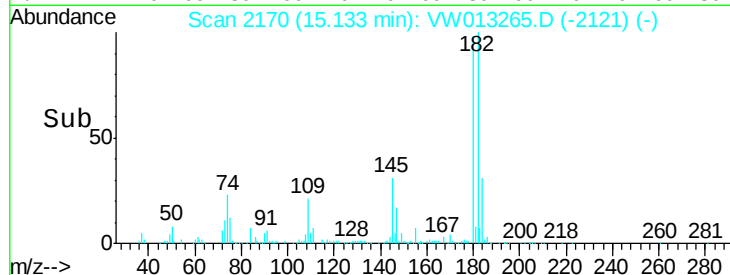
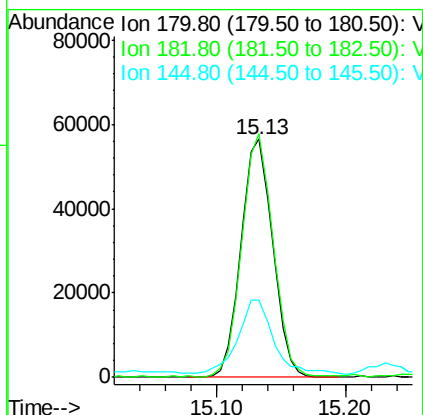
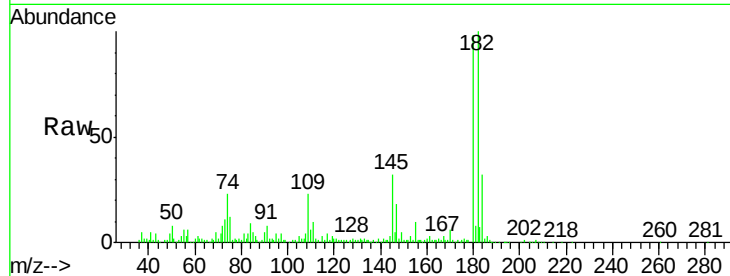
#93
 1,2,4-Trichlorobenzene
 Concen: 20.442 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	101.5	47.3	142.0	
145	36.8	14.2	42.8	

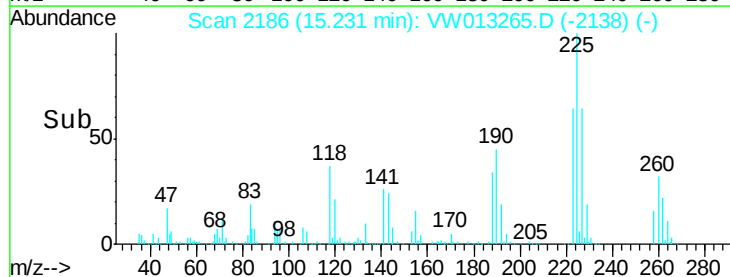
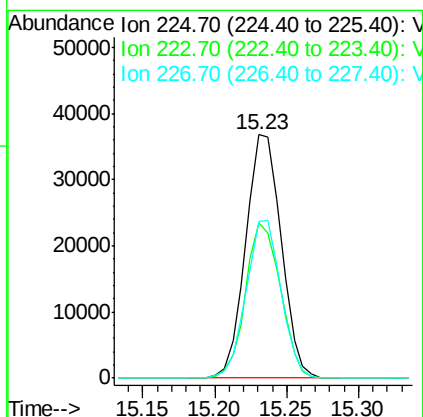
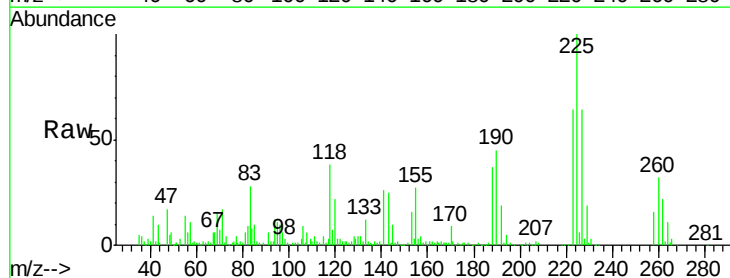
Manual Integrations
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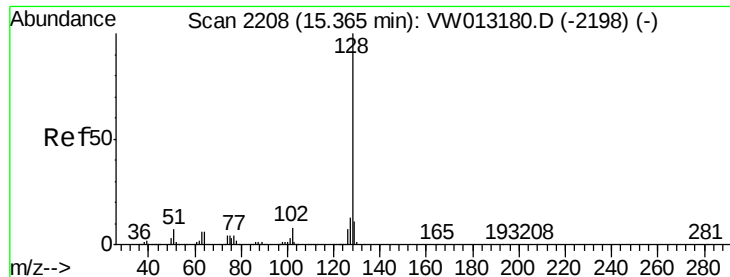
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#94
 Hexachlorobutadiene
 Concen: 19.540 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013265.D
 Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	30.6	91.8	
227	63.6	31.9	95.9	





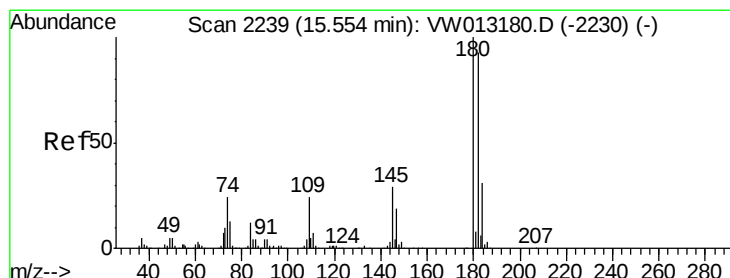
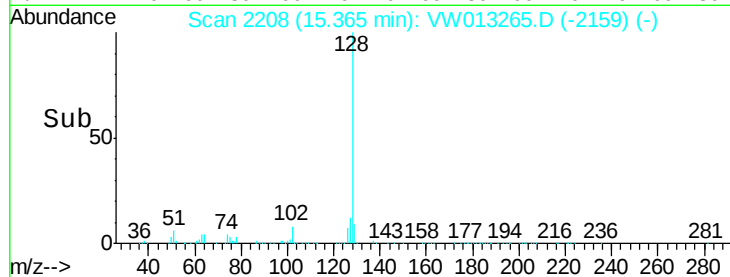
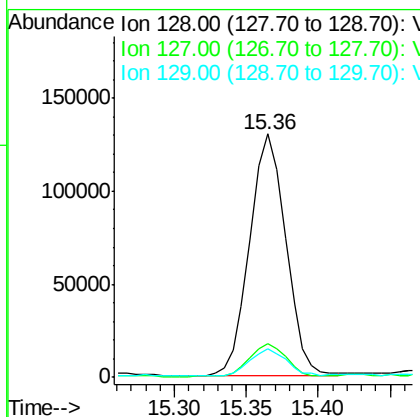
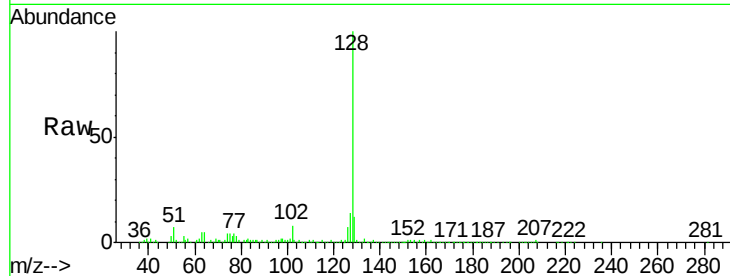
#95
Naphthalene
Concen: 29.514 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.725 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013265.D
Acq: 24 Sep 2019 08:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.7
145	42.2	15.0	45.0

