

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013684.D
 Acq On : 23 Oct 2019 22:43
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:26:22 PM

Quant Time: Oct 24 08:30:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	310346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	440352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	190393	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	127842	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
35) Dibromofluoromethane	7.88	113	126729	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
50) Toluene-d8	10.32	98	524705	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.62	95	176551	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	66753	40.828	ug/l	95
3) Chloromethane	2.21	50	76062	43.287	ug/l	99
4) Vinyl Chloride	2.37	62	127846	48.178	ug/l	99
5) Bromomethane	2.78	94	82576	47.315	ug/l	99
6) Chloroethane	2.92	64	78064	48.617	ug/l	100
7) Trichlorofluoromethane	3.26	101	81433	49.130	ug/l	99
8) Diethyl Ether	3.68	74	68204	50.932	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	130752	48.525	ug/l	97
10) Methyl Iodide	4.28	142	215297	49.033	ug/l	100
11) Tert butyl alcohol	5.20	59	37433	269.336	ug/l	99
12) 1,1-Dichloroethene	4.04	96	135609	48.722	ug/l	97
13) Acrolein	3.89	56	42662	267.932	ug/l	99
14) Allyl chloride	4.67	41	211828	49.495	ug/l	99
15) Acrylonitrile	5.37	53	150217	275.874	ug/l	99
16) Acetone	4.13	43	125605	254.451	ug/l	93
17) Carbon Disulfide	4.39	76	395783	49.514	ug/l	98
18) Methyl Acetate	4.67	43	77378	57.183	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	179820	53.838	ug/l	98
20) Methylene Chloride	4.92	84	140992	52.114	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	148320	49.511	ug/l	99
22) Diisopropyl ether	6.31	45	393008	50.341	ug/l	96
23) Vinyl Acetate	6.26	43	1173855	259.138	ug/l	100
24) 1,1-Dichloroethane	6.21	63	242373	49.021	ug/l	99
25) 2-Butanone	7.17	43	189951	267.654	ug/l	98
26) 2,2-Dichloropropane	7.16	77	135333	47.335	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	156956	49.328	ug/l	98
28) Bromochloromethane	7.51	49	92504	52.445	ug/l #	7
29) Tetrahydrofuran	7.53	42	123463	281.000	ug/l	100
30) Chloroform	7.68	83	238690	48.836	ug/l	97
31) Cyclohexane	7.96	56	246036	47.550	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	195792	51.047	ug/l	99
36) 1,1-Dichloropropene	8.09	75	203544	49.632	ug/l	98
37) Ethyl Acetate	7.25	43	84567	53.869	ug/l	99
38) Carbon Tetrachloride	8.07	117	186144	50.404	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	268947	50.782	ug/l	99
40) Benzene	8.32	78	573334	49.400	ug/l	99
41) Methacrylonitrile	7.48	41	48769	49.817	ug/l	96
42) 1,2-Dichloroethane	8.40	62	148606	50.812	ug/l	98
43) Isopropyl Acetate	8.43	43	160412	53.382	ug/l	100
44) Trichloroethene	9.09	130	161805	48.670	ug/l	98
45) 1,2-Dichloropropane	9.37	63	136885	49.378	ug/l	99
46) Dibromomethane	9.46	93	69734	51.828	ug/l	98
47) Bromodichloromethane	9.65	83	174875	50.232	ug/l	97
48) Methyl methacrylate	9.43	41	82108	55.100	ug/l	99
49) 1,4-Dioxane	9.46	88	22175	1115.314	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	411183	275.368	ug/l	99
52) Toluene	10.39	92	366503	48.956	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	179042	50.802	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	215759	49.621	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	102989	51.360	ug/l	98
56) Ethyl methacrylate	10.65	69	135776	54.120	ug/l	99
57) 1,3-Dichloropropane	10.93	76	176972	51.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	335709	290.748	ug/l	99
59) 2-Hexanone	10.97	43	282932	274.848	ug/l	98
60) Dibromochloromethane	11.13	129	122809	51.582	ug/l	100
61) 1,2-Dibromoethane	11.24	107	99834	52.625	ug/l	99
64) Tetrachloroethene	10.86	164	150460	52.153	ug/l	99
65) Chlorobenzene	11.66	112	381597	49.180	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	134711	49.746	ug/l	99
67) Ethyl Benzene	11.73	91	697155	49.828	ug/l	99
68) m/p-Xylenes	11.84	106	535512	99.067	ug/l	98
69) o-Xylene	12.16	106	245287	49.367	ug/l	100
70) Styrene	12.18	104	436312	51.110	ug/l	99
71) Bromoform	12.35	173	75897	53.408	ug/l #	98
73) Isopropylbenzene	12.46	105	698189	51.064	ug/l	99
74) N-amyl acetate	12.27	43	146303	55.315	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	114852	53.231	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	76094m	55.653	ug/l	
77) Bromobenzene	12.74	156	162555	49.768	ug/l	98
78) n-propylbenzene	12.80	91	795694	50.280	ug/l	100
79) 2-Chlorotoluene	12.89	91	450627	50.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	577464	50.032	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38585	53.332	ug/l	99
82) 4-Chlorotoluene	12.99	91	459125	49.175	ug/l	99
83) tert-Butylbenzene	13.21	119	518505	50.609	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	571233	50.172	ug/l	99
85) sec-Butylbenzene	13.38	105	709556	50.646	ug/l	99
86) p-Isopropyltoluene	13.50	119	654688	50.166	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	313274	49.503	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	304578	48.446	ug/l	99
89) n-Butylbenzene	13.82	91	587987	49.915	ug/l	100
90) Hexachloroethane	14.09	117	113662	50.107	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	276020	50.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17450	53.484	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	195130	48.864	ug/l	99
94) Hexachlorobutadiene	15.24	225	129957	48.206	ug/l	99
95) Naphthalene	15.36	128	343224	54.819	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	171938	49.968	ug/l	99

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

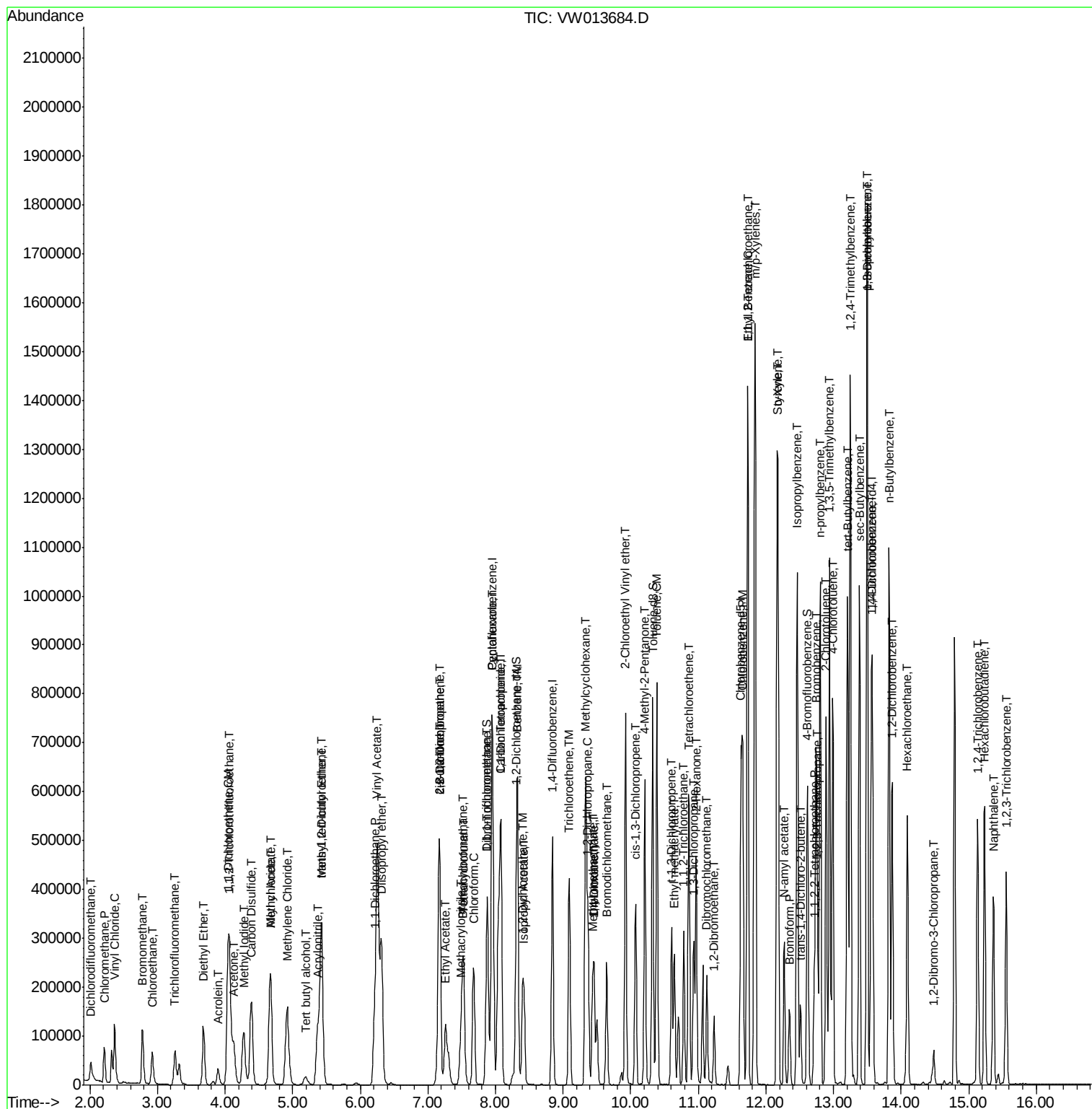
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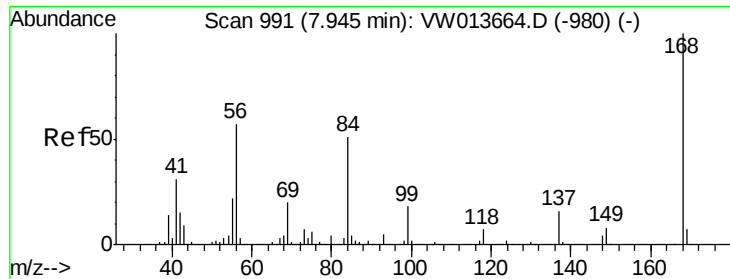
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 310346

Ion Ratio Lower Upper

168 100

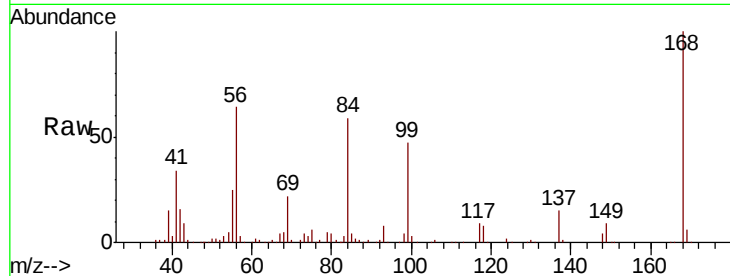
99 47.1 39.0 58.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

100000

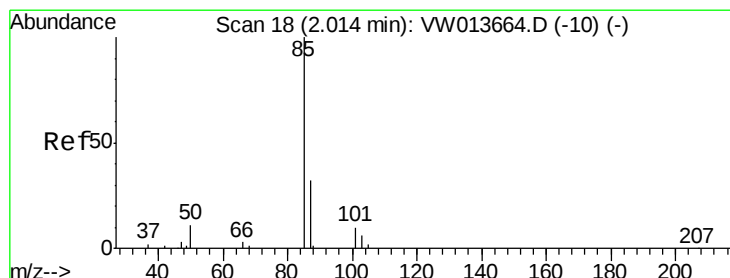
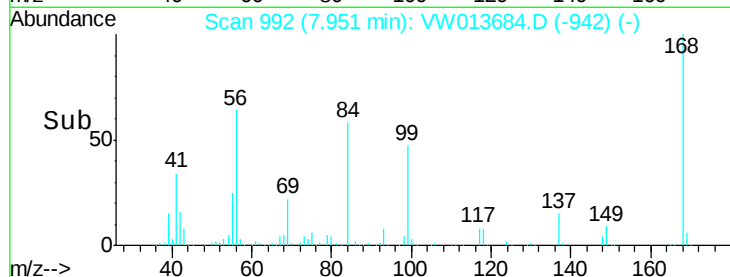
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 40.828 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013684.D

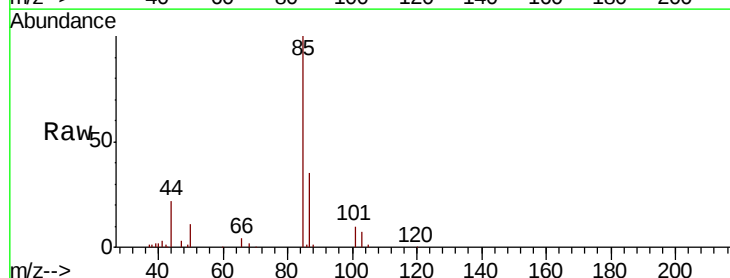
Acq: 23 Oct 2019 22:43

Tgt Ion: 85 Resp: 66753

Ion Ratio Lower Upper

85 100

87 34.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

10000

5000

0

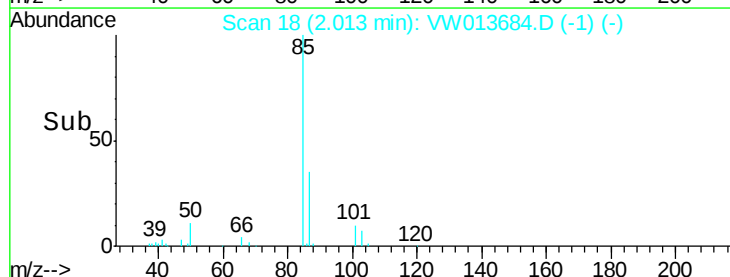
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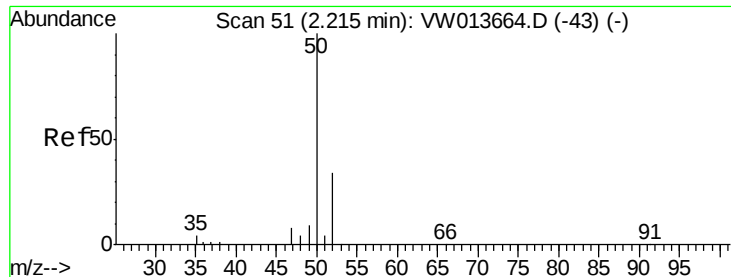
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 43.287 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 76062

Ion Ratio Lower Upper

50 100

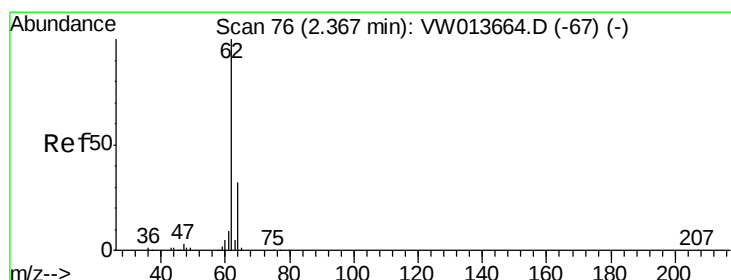
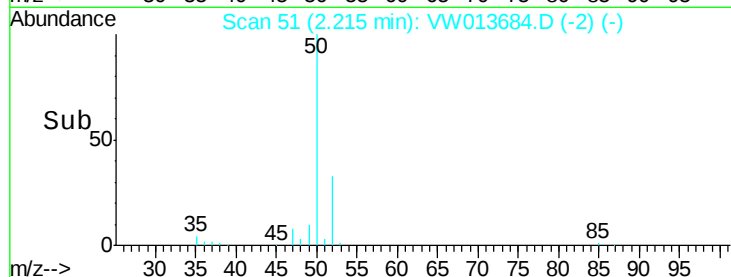
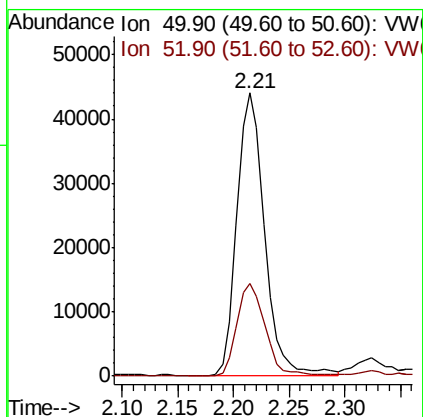
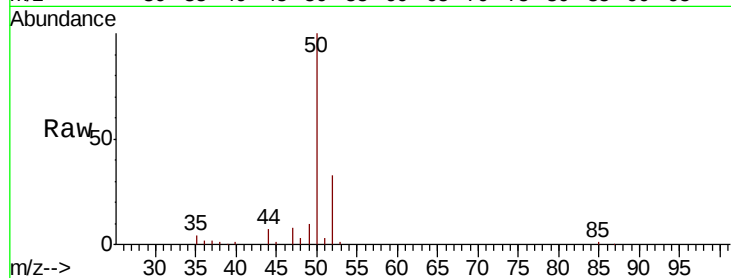
52 32.9 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.178 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013684.D

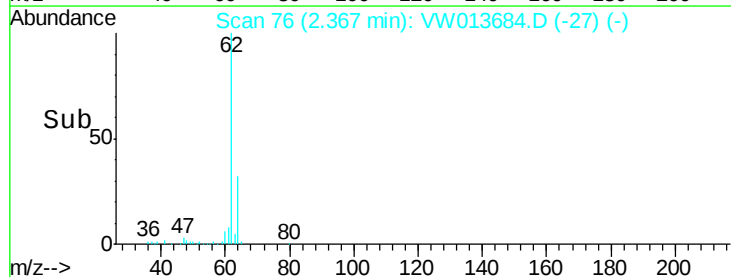
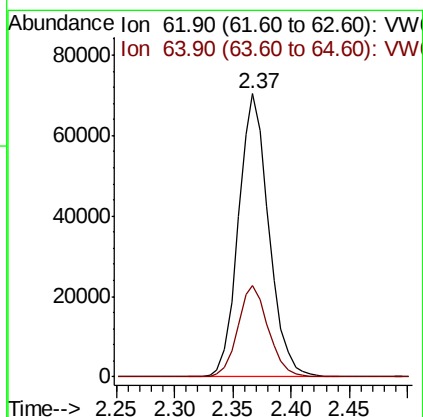
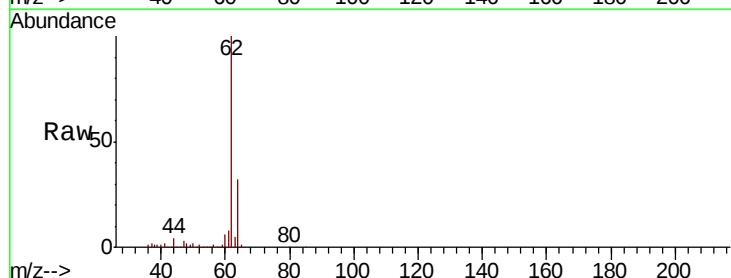
Acq: 23 Oct 2019 22:43

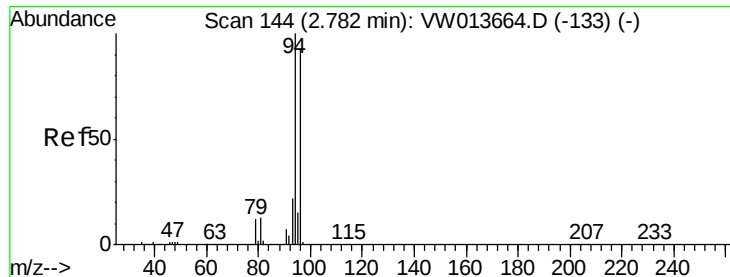
Tgt Ion: 62 Resp: 127846

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 47.315 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 82576

Ion Ratio Lower Upper

94 100

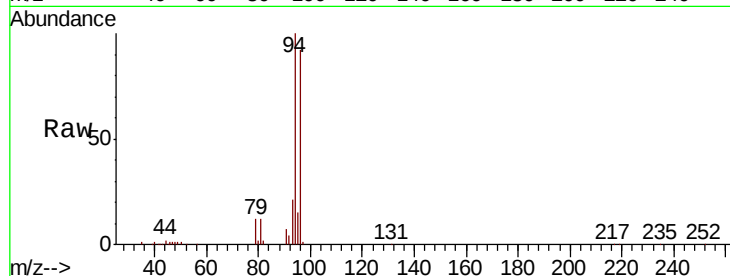
96 91.9 74.6 112.0

Manual Integrations

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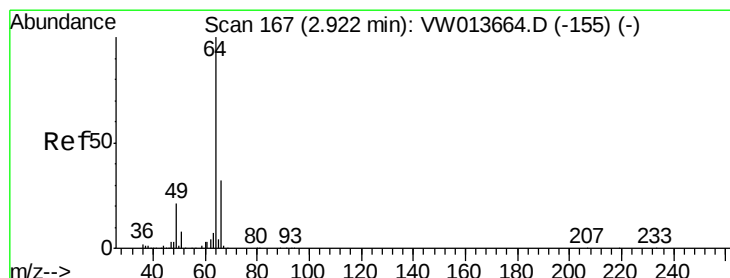
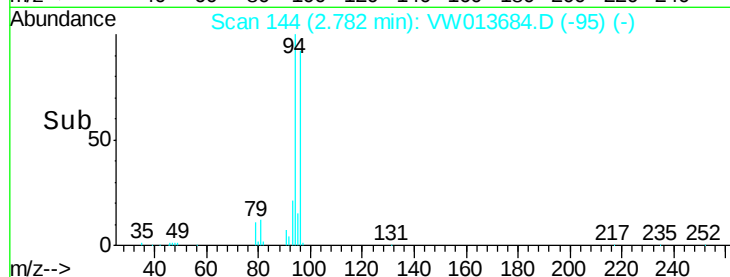
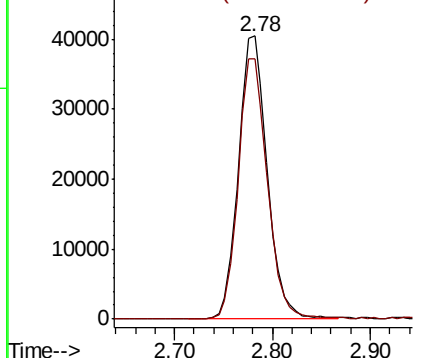
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 48.617 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013684.D

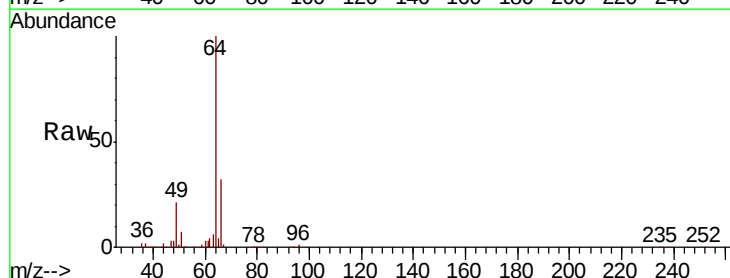
Acq: 23 Oct 2019 22:43

Tgt Ion: 64 Resp: 78064

Ion Ratio Lower Upper

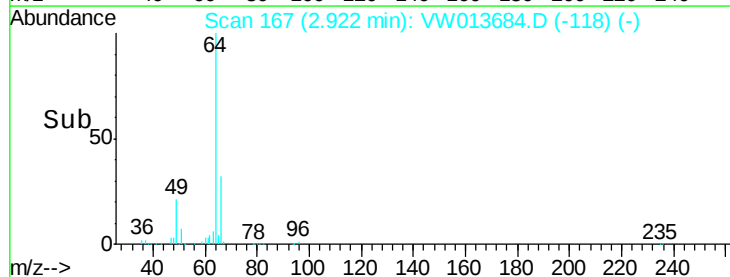
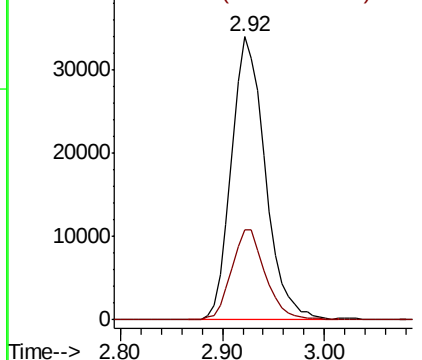
64 100

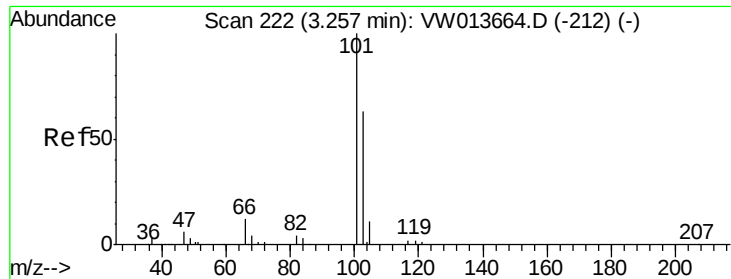
66 31.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

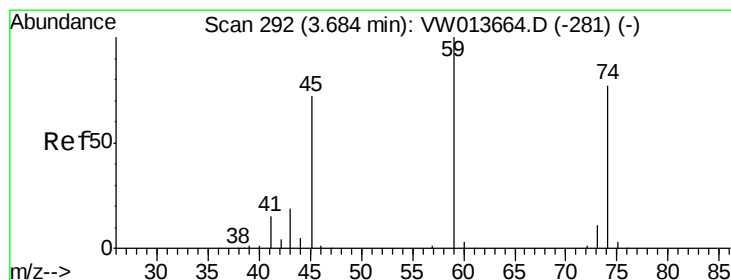
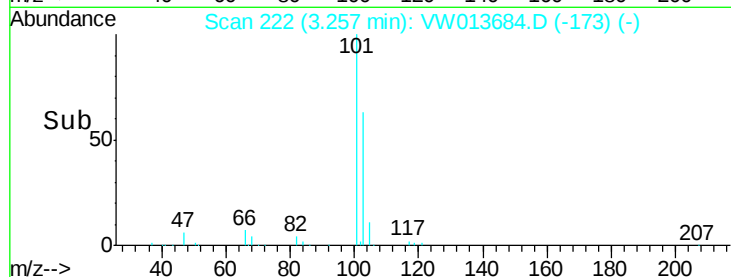
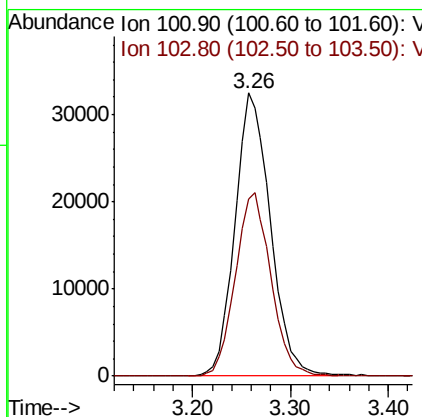
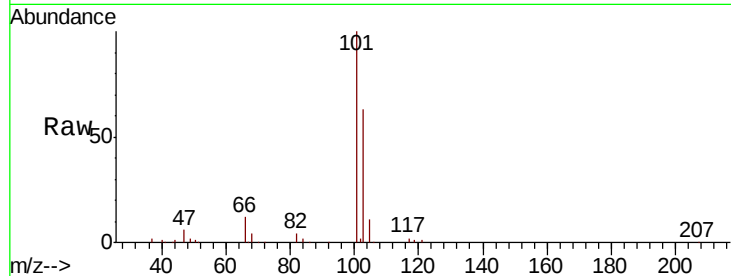
Trichlorofluoromethane
 Concen: 49.130 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013684.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.6	76.0

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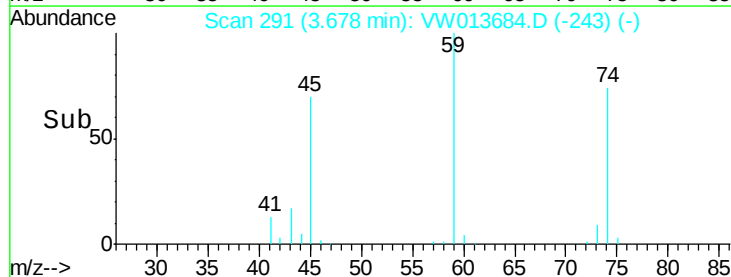
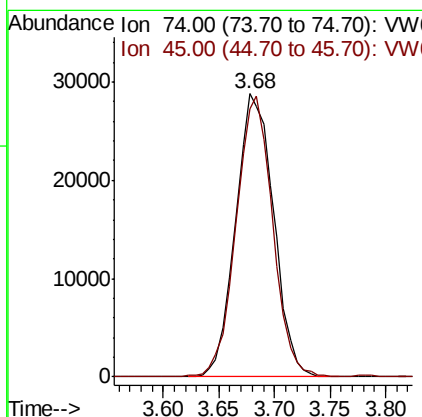
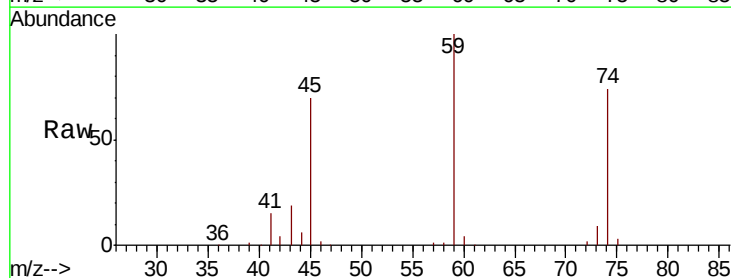
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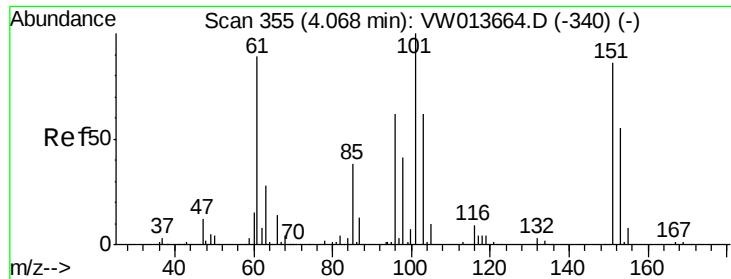


#8

Diethyl Ether
 Concen: 50.932 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013684.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.525 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

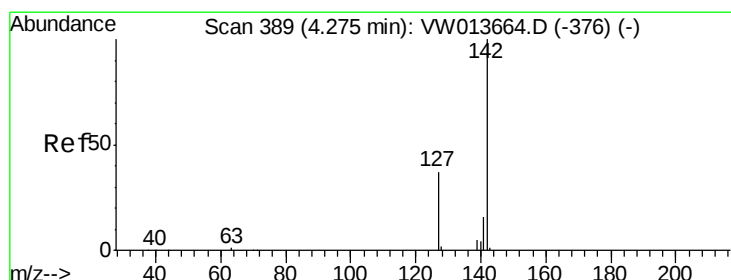
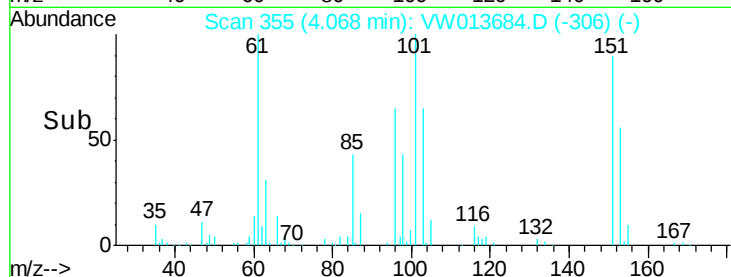
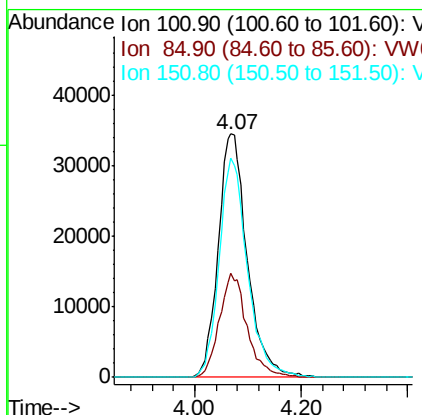
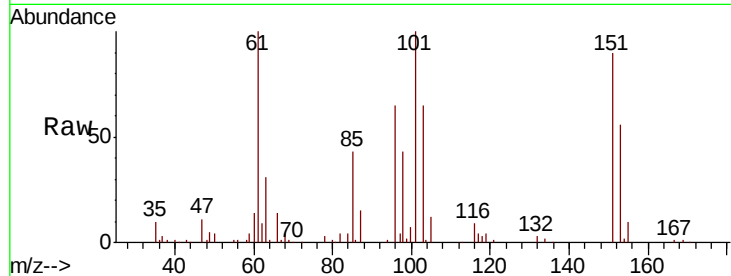
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	130752
Ion Ratio	Lower	Upper	
101	100		
85	40.8	31.0	46.6
151	88.2	68.2	102.4

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#10

Methyl Iodide

Concen: 49.033 ug/l

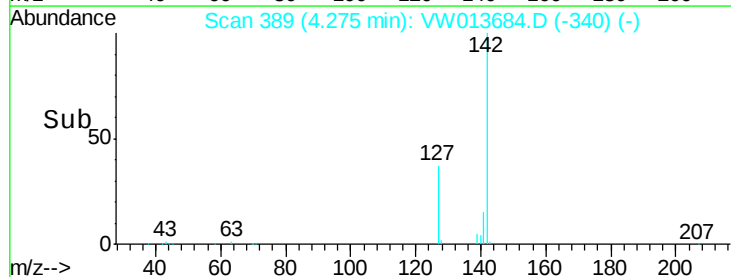
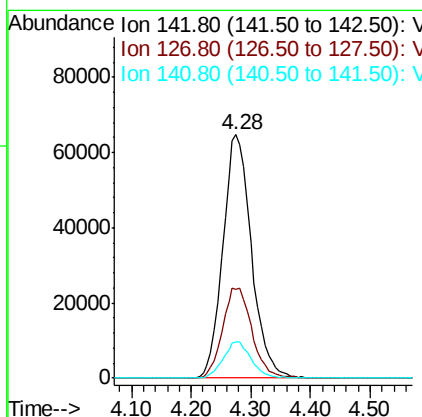
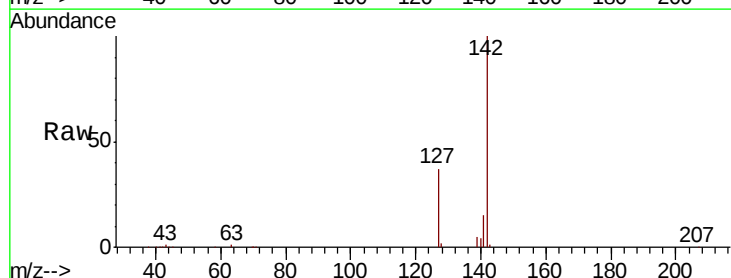
RT: 4.28 min Scan# 389

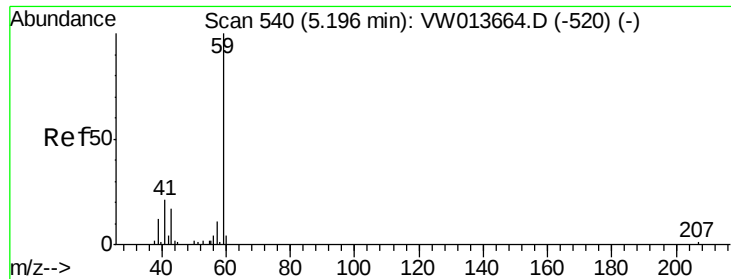
Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Tgt Ion:	142	Resp:	215297
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.3	45.5
141	14.7	11.8	17.8





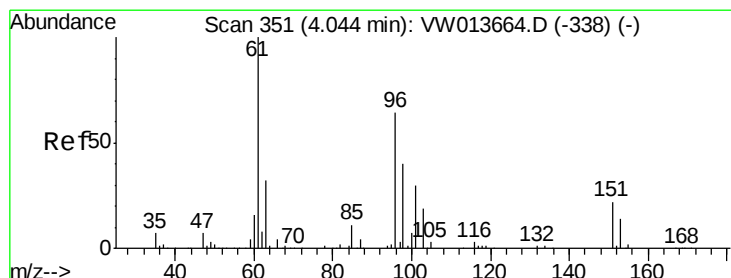
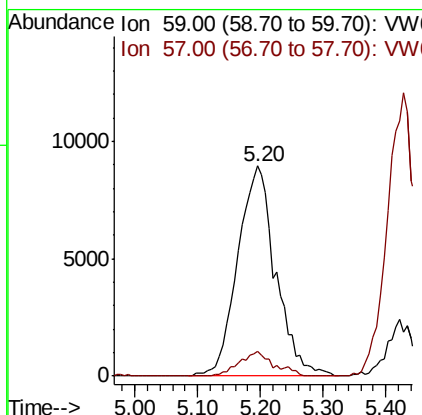
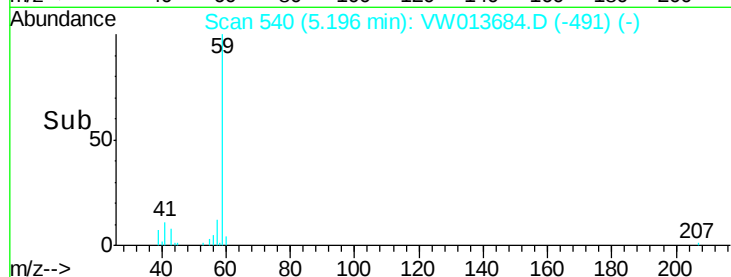
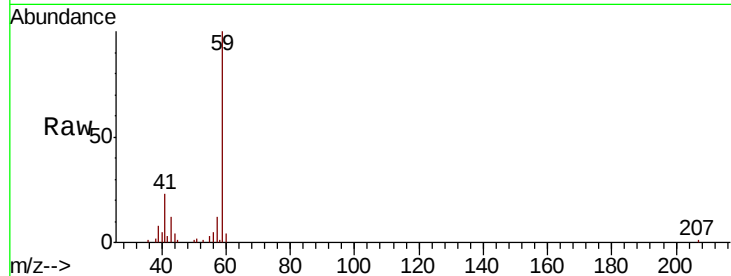
#11
Tert butyl alcohol
Concen: 269.336 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 37433
Ion Ratio Lower Upper
59 100
57 10.7 8.8 13.2

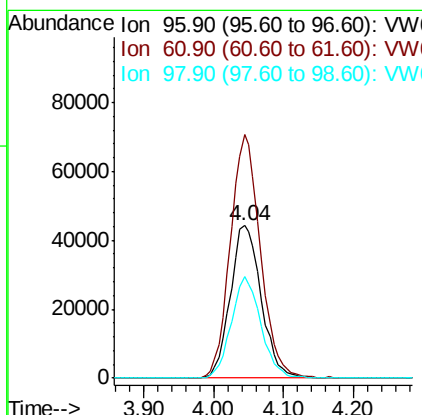
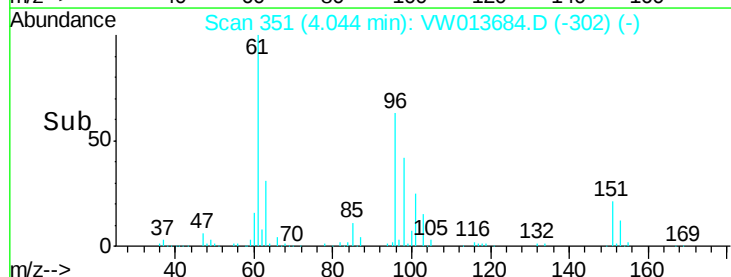
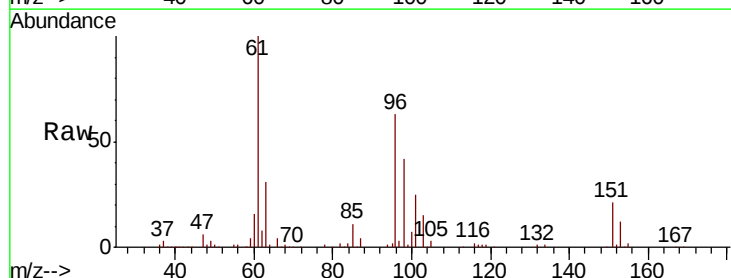
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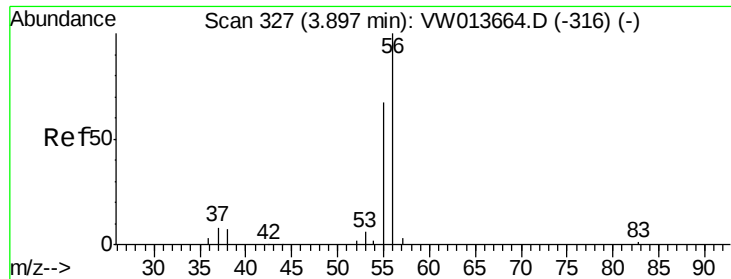
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.722 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 96 Resp: 135609
Ion Ratio Lower Upper
96 100
61 159.9 125.0 187.6
98 66.5 50.3 75.5





#13

Acrolein

Concen: 267.932 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 42662

Ion Ratio Lower Upper

56 100

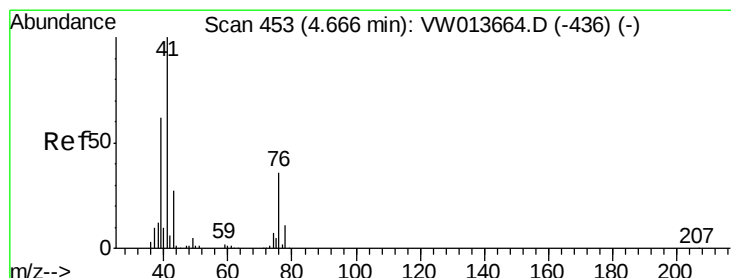
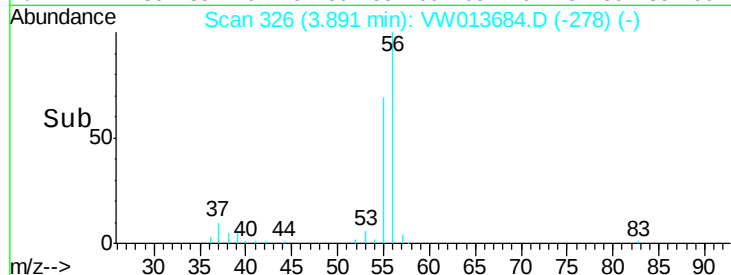
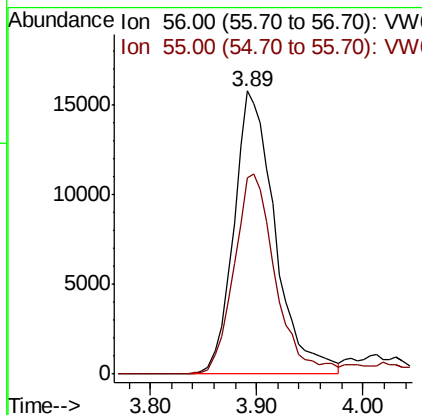
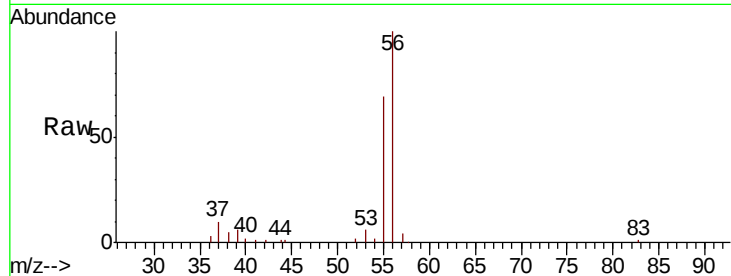
55 71.0 56.1 84.1

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#14

Allyl chloride

Concen: 49.495 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

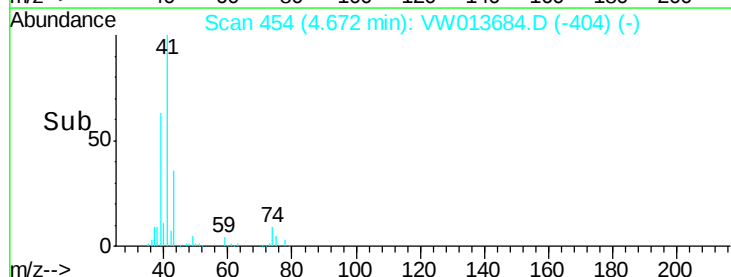
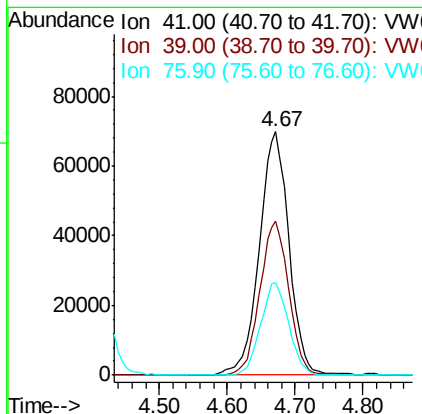
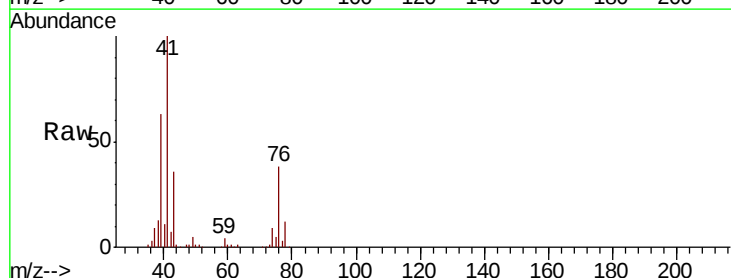
Tgt Ion: 41 Resp: 211828

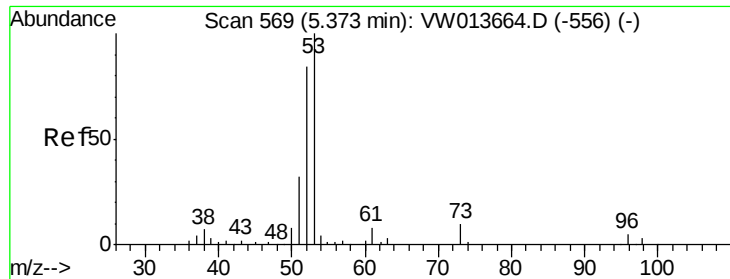
Ion Ratio Lower Upper

41 100

39 62.0 50.0 75.0

76 36.1 29.6 44.4





#15

Acrylonitrile

Concen: 275.874 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

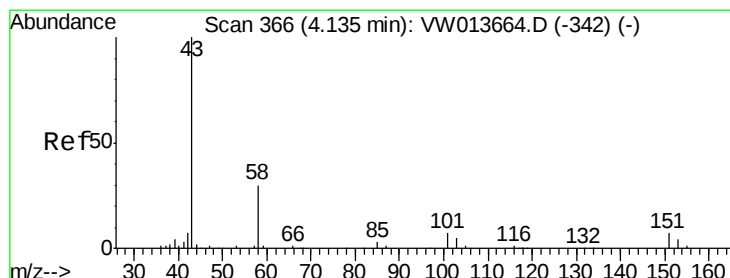
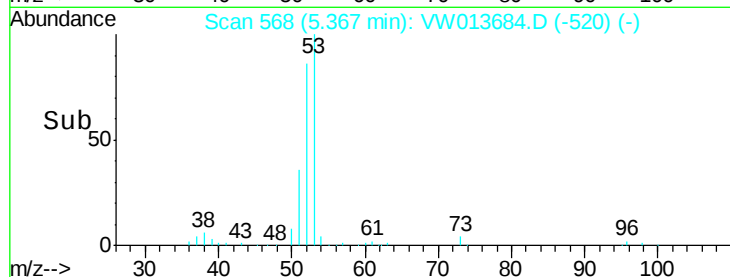
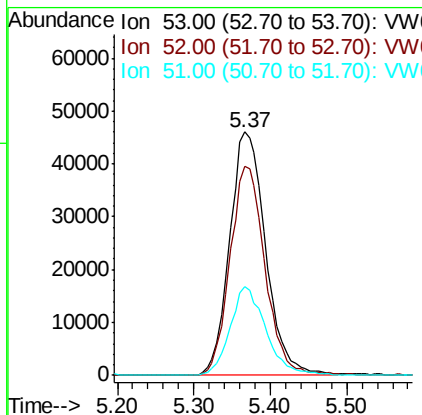
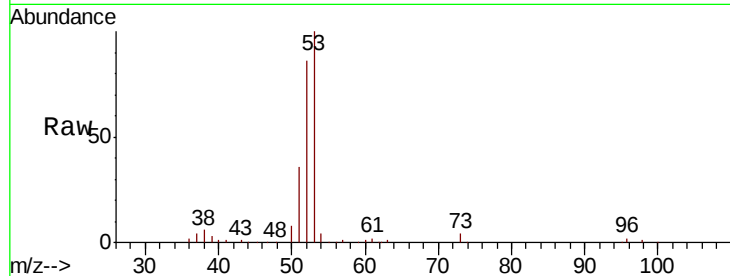
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	150217
Ion Ratio	Lower	Upper	
53	100		
52	83.3	67.4	101.0
51	36.2	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 254.451 ug/l

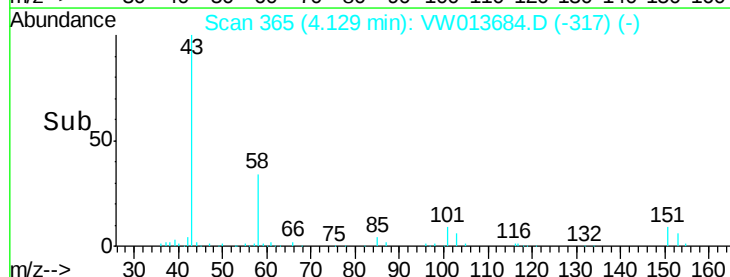
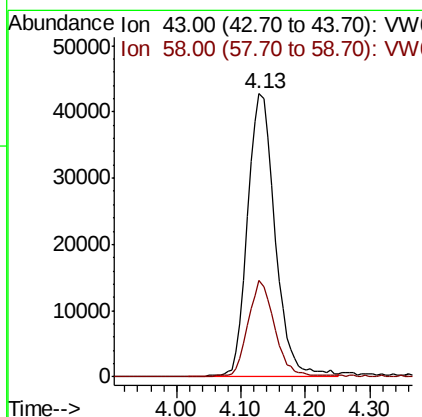
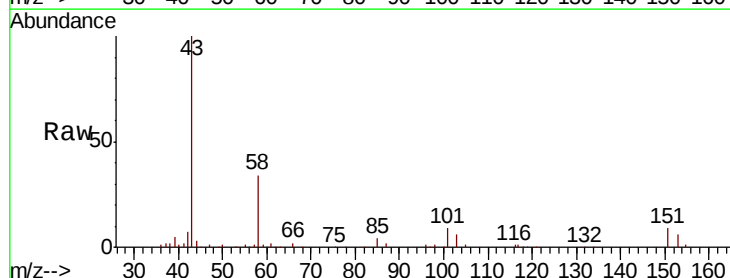
RT: 4.13 min Scan# 365

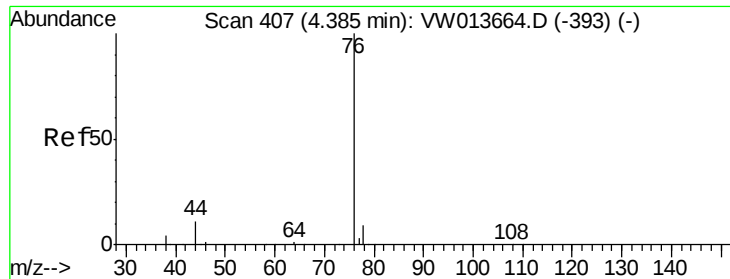
Delta R.T. -0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Tgt Ion:	43	Resp:	125605
Ion Ratio	Lower	Upper	
43	100		
58	33.9	24.1	36.1





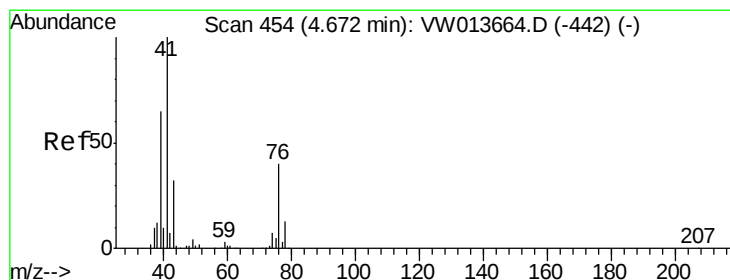
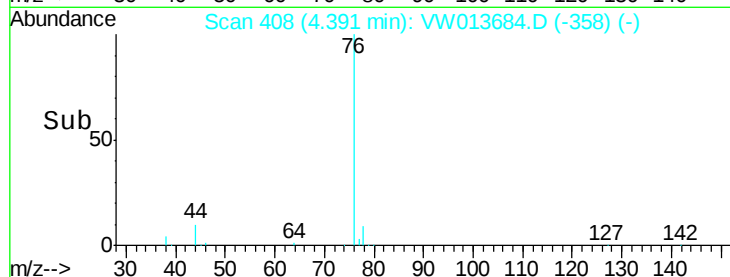
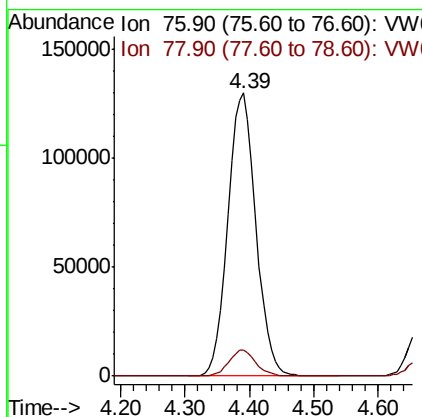
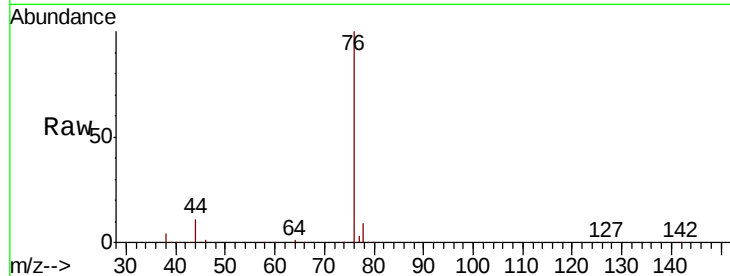
#17
Carbon Disulfide
Concen: 49.514 ug/l
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

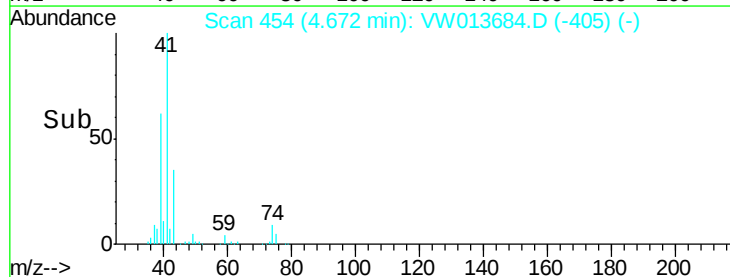
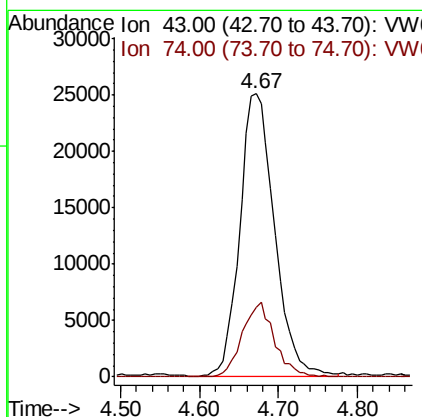
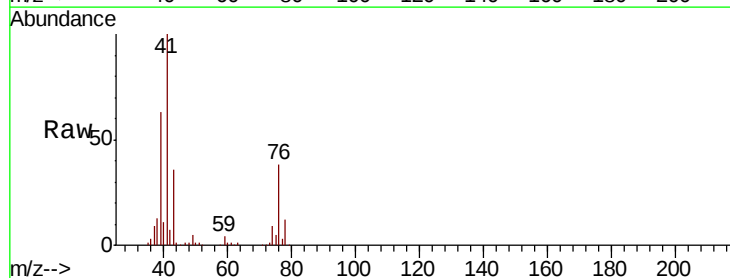
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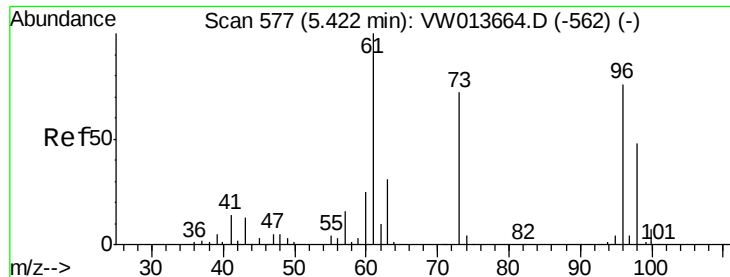
MMDadoda
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#18
Methyl Acetate
Concen: 57.183 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.8	29.8





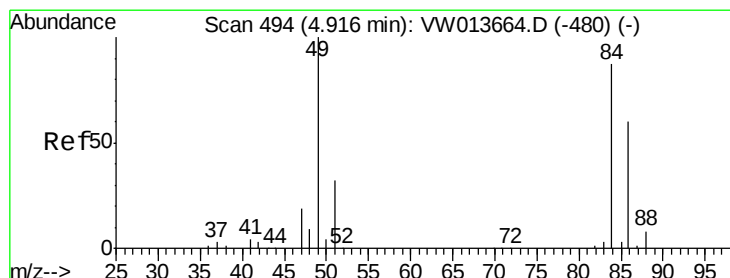
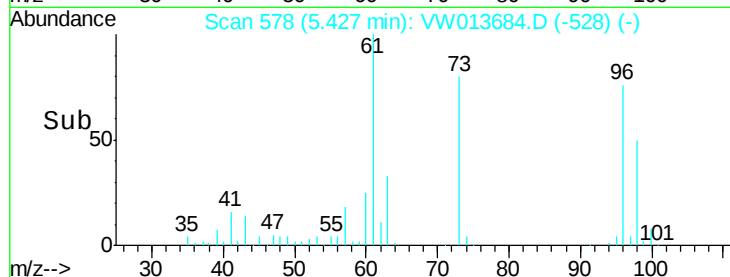
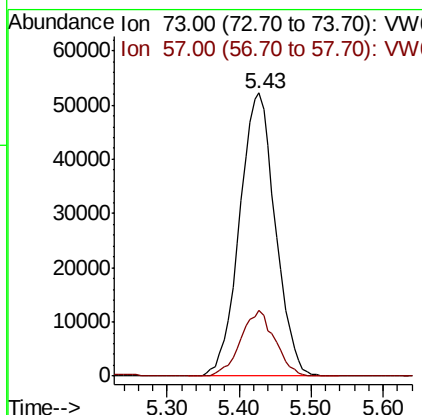
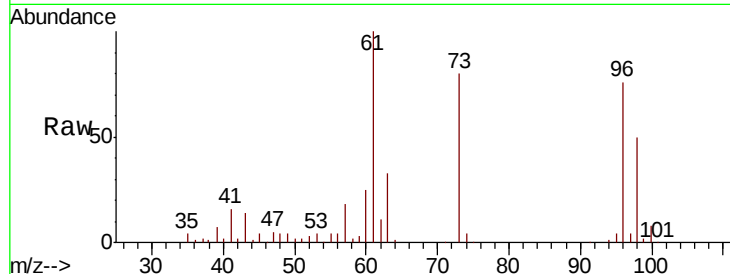
#19
Methvl tert-butvl Ether
Concen: 53.838 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 179820
Ion Ratio Lower Upper
73 100
57 23.1 17.6 26.4

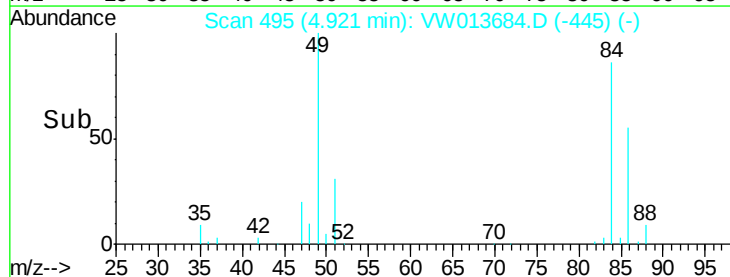
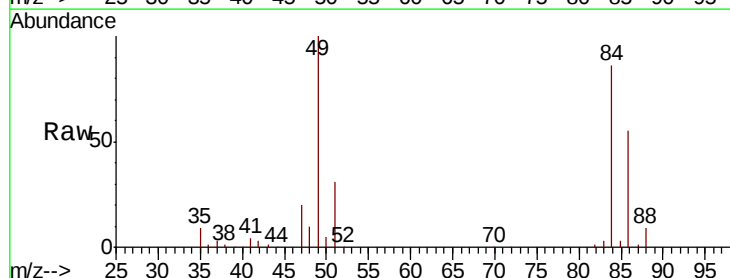
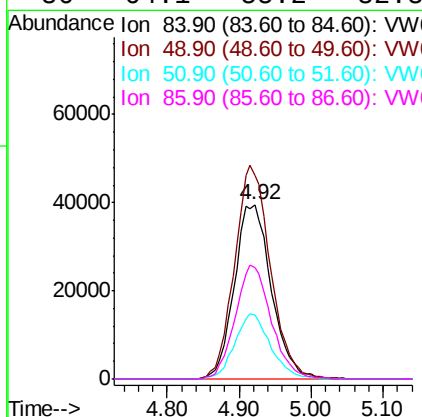
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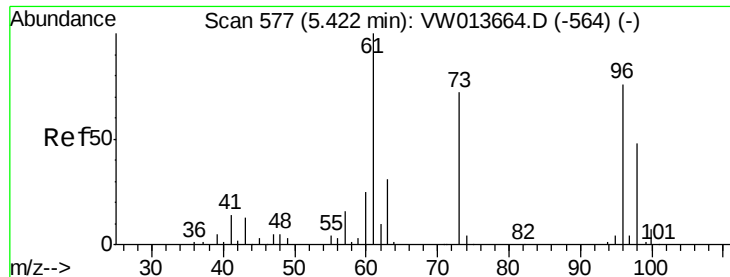
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#20
Methylene Chloride
Concen: 52.114 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 84 Resp: 140992
Ion Ratio Lower Upper
84 100
49 116.9 91.8 137.6
51 36.6 29.8 44.6
86 64.1 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 49.511 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

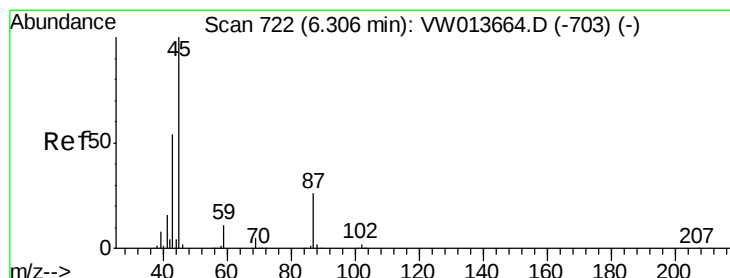
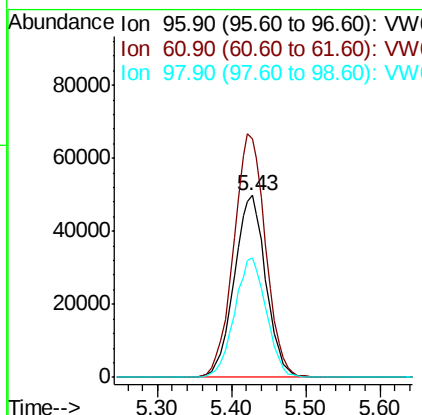
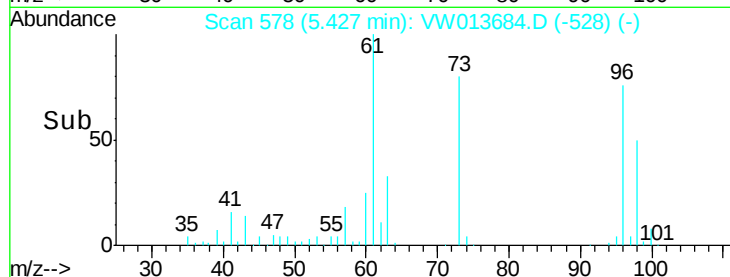
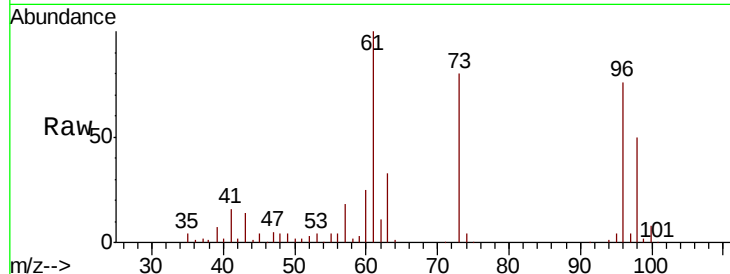
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	104.8	157.2
98	65.4	50.6	76.0

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#22

Diisopropyl ether

Concen: 50.341 ug/l

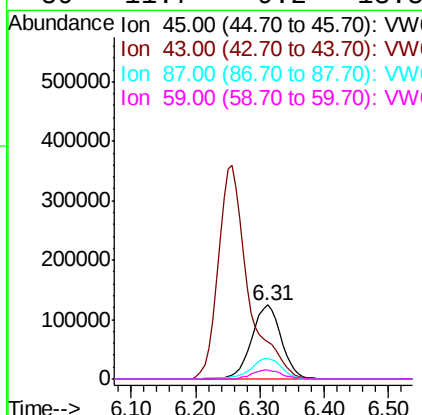
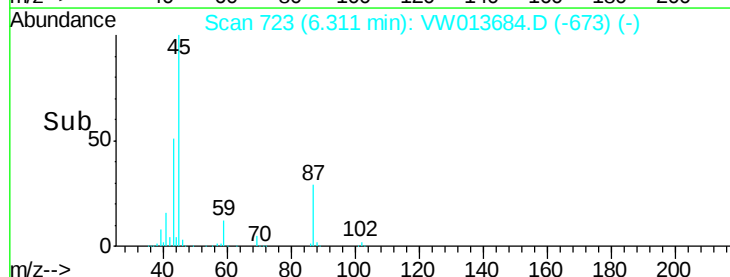
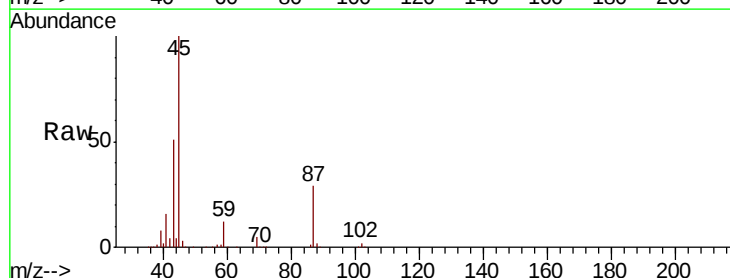
RT: 6.31 min Scan# 723

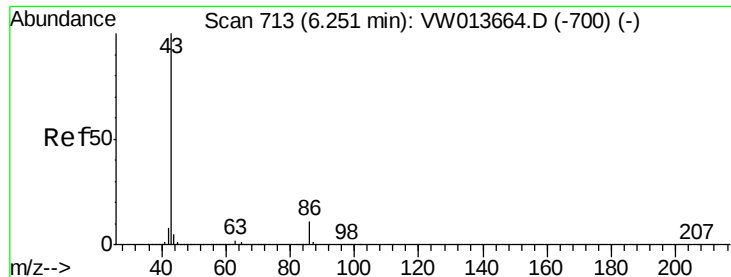
Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	50.3	43.4	65.2
87	28.6	21.5	32.3
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 259.138 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1173855

Ion Ratio Lower Upper

43 100

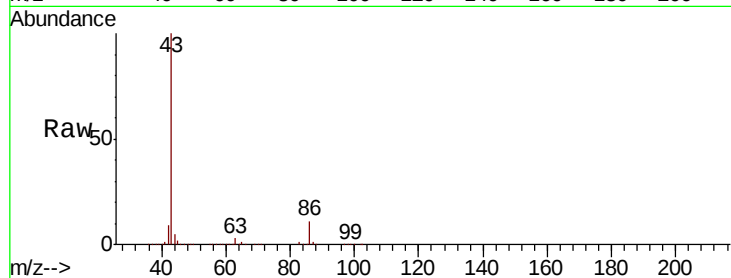
86 11.3 9.0 13.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

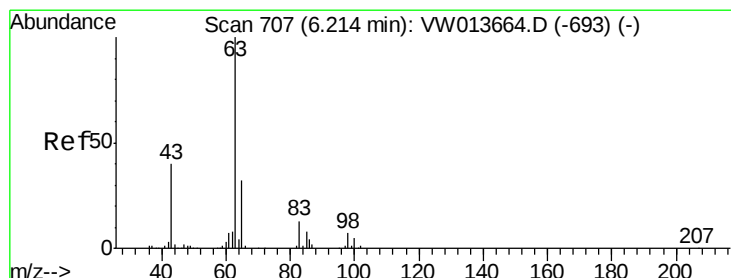
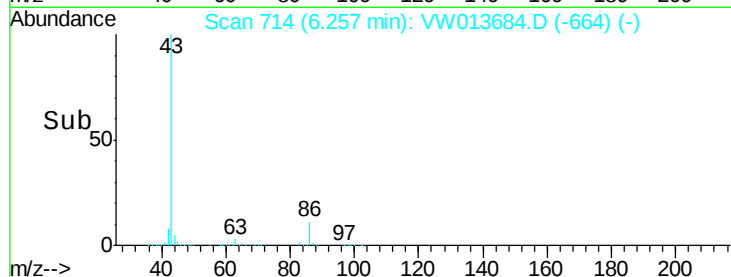
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.021 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

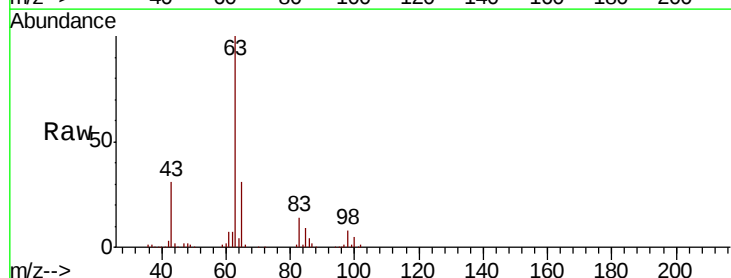
Tgt Ion: 63 Resp: 242373

Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 4.5 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

100000

80000

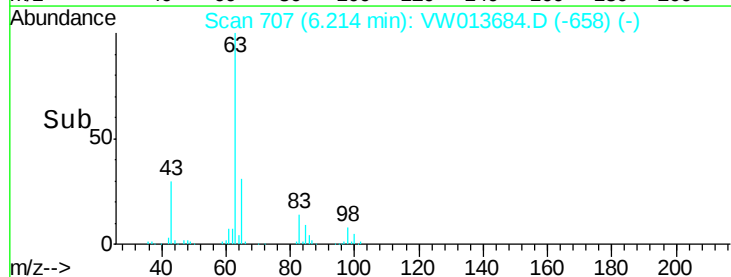
60000

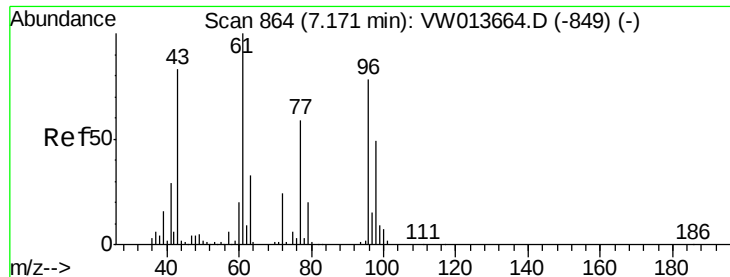
40000

20000

0

Time-->





#25

2-Butanone

Concen: 267.654 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 189951

Ion Ratio Lower Upper

43 100

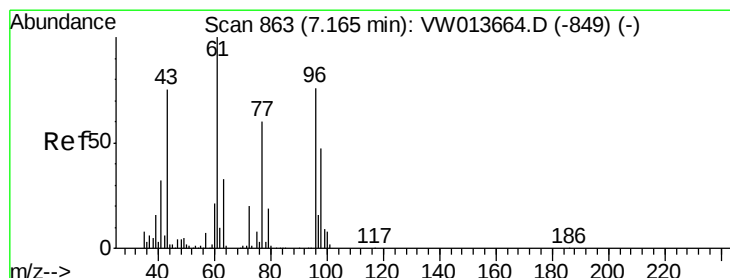
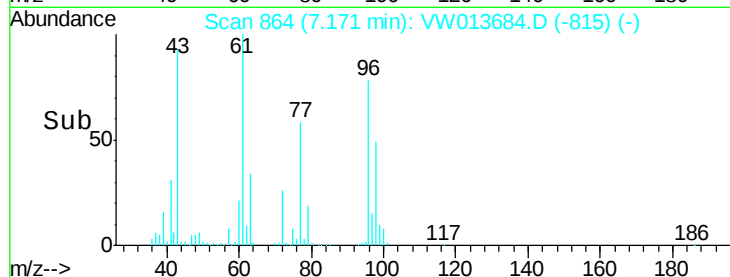
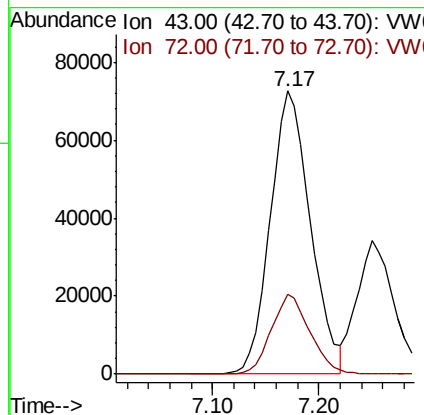
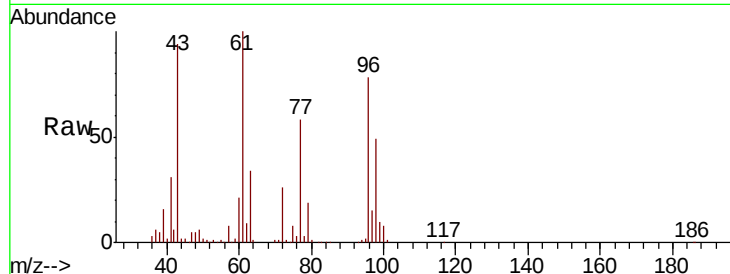
72 28.3 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.335 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013684.D

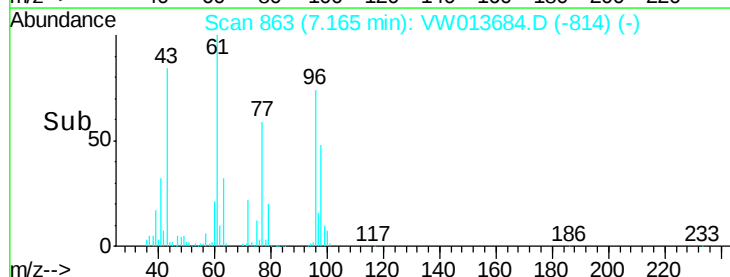
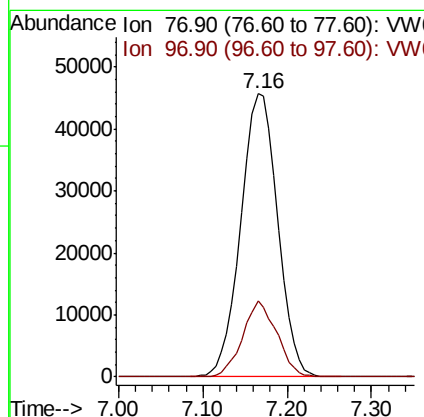
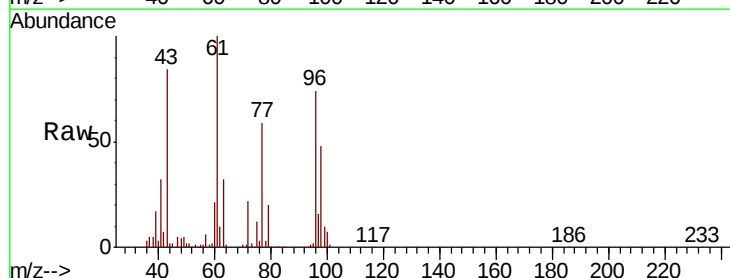
Acq: 23 Oct 2019 22:43

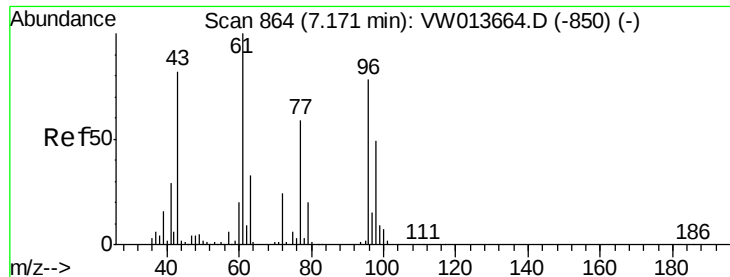
Tgt Ion: 77 Resp: 135333

Ion Ratio Lower Upper

77 100

97 24.8 12.8 38.4





#27

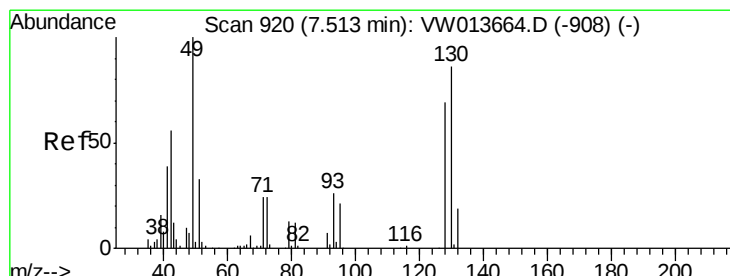
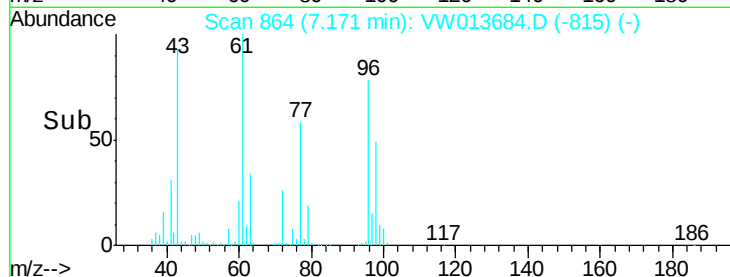
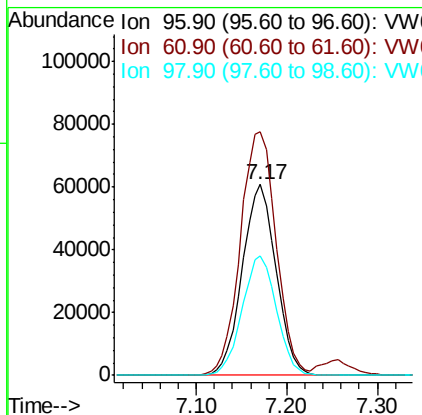
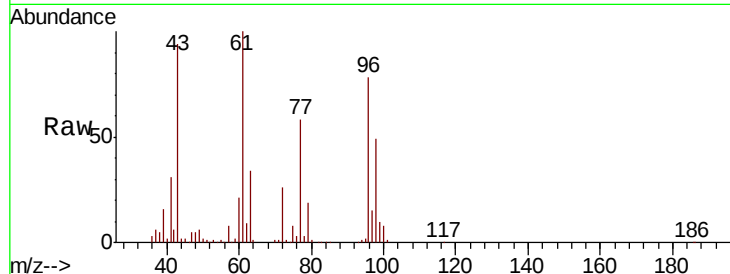
cis-1,2-Dichloroethene
Concen: 49.328 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.5	0.0	266.0	
98	63.6	0.0	126.8	

Manual Integrations
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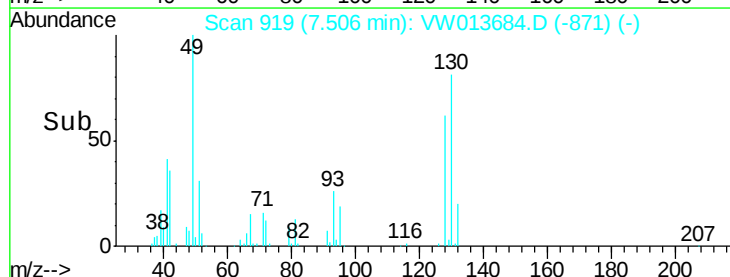
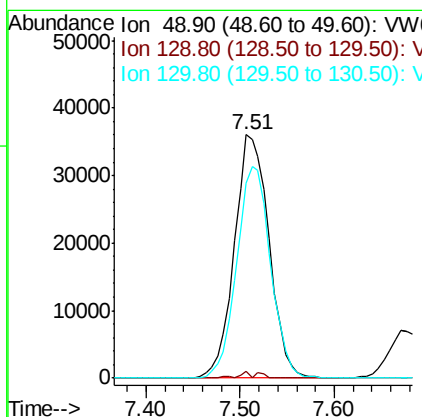
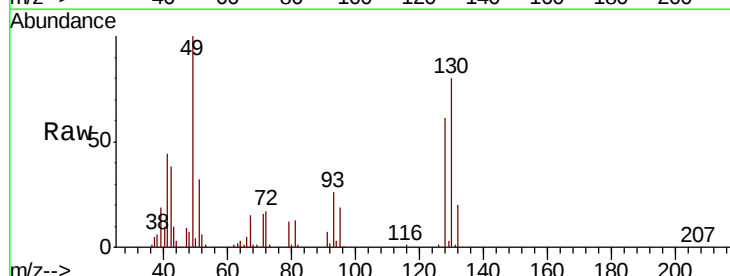
MMDadoda
10/24/2019 1:26:22 PM

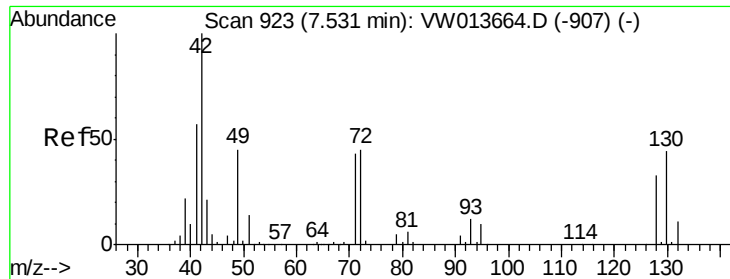


#28

Bromochloromethane
Concen: 52.445 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.8	0.0	0.6#	
130	0.0	67.5	101.3#	





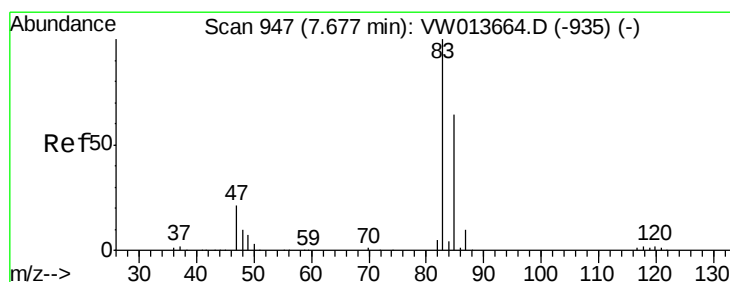
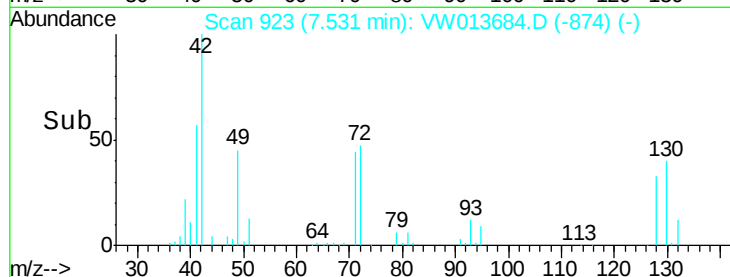
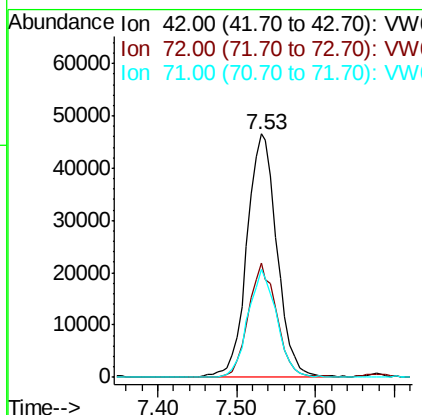
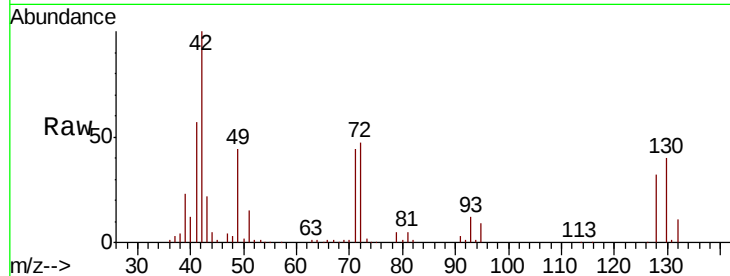
#29
Tetrahydrofuran
Concen: 281.000 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.3	52.9
71	42.2	33.3	49.9

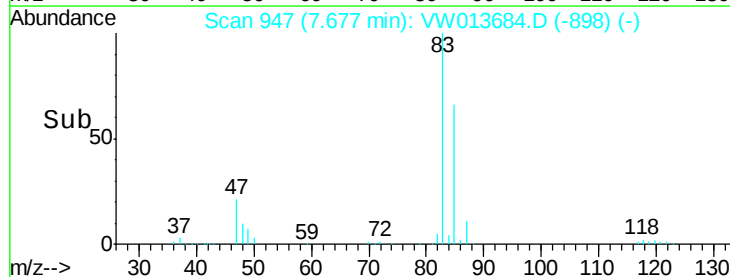
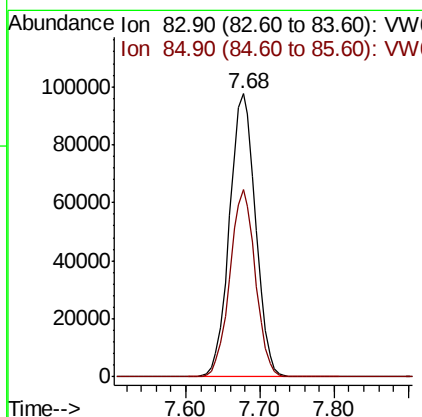
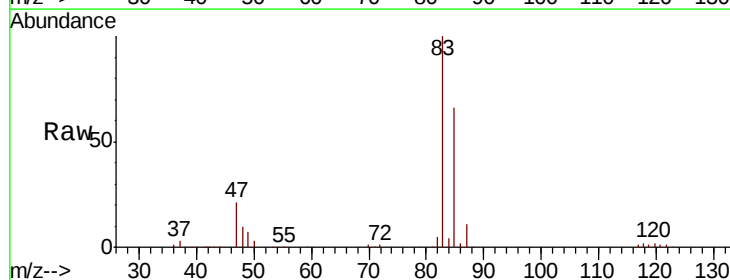
Manual Integrations
APPROVED

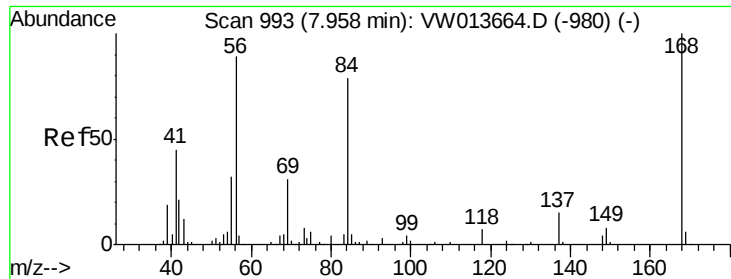
MMDadoda
10/24/2019 1:26:22 PM



#30
Chloroform
Concen: 48.836 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.4	77.2





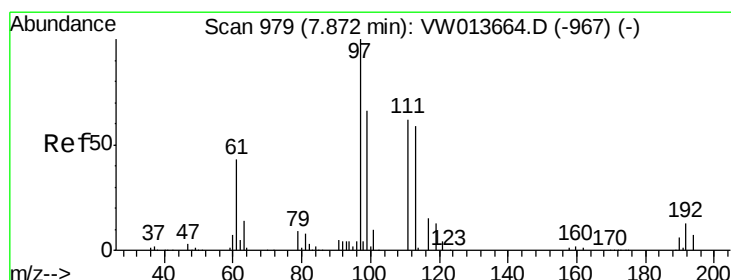
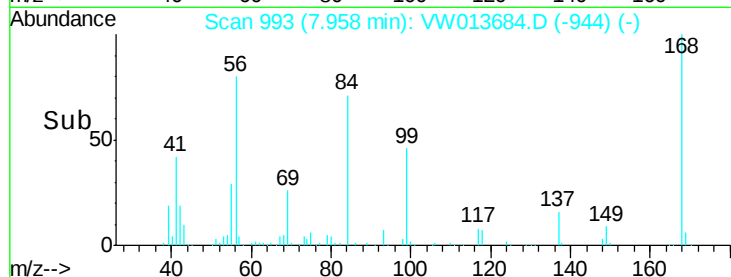
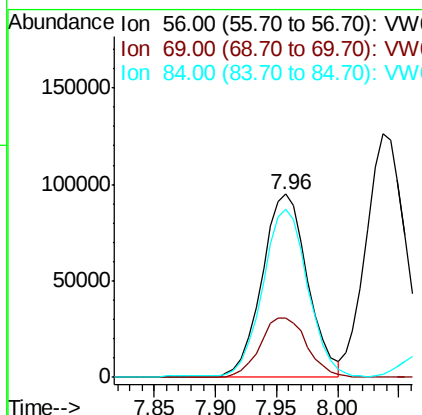
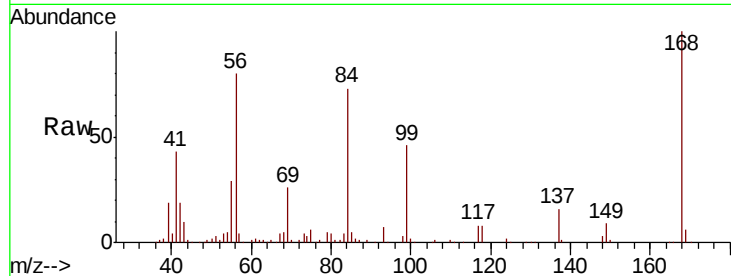
#31
Cyclohexane
Concen: 47.550 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	27.5	41.3
84	90.7	70.8	106.2

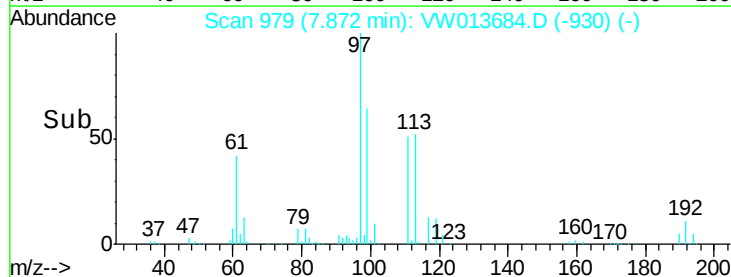
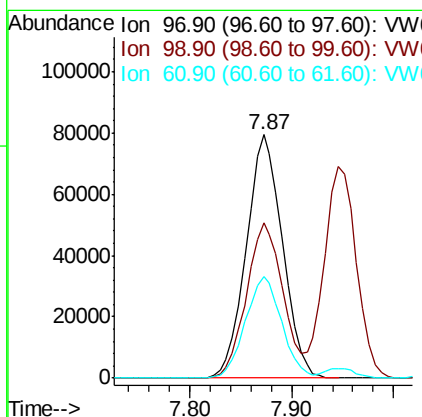
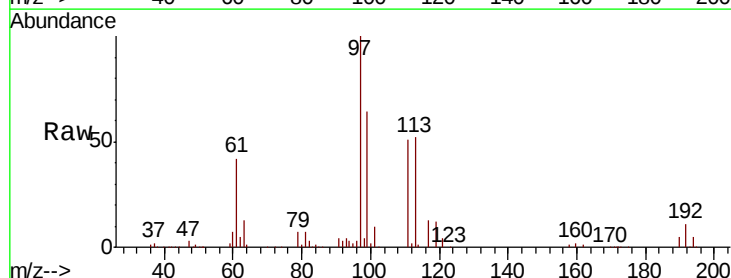
Manual Integrations
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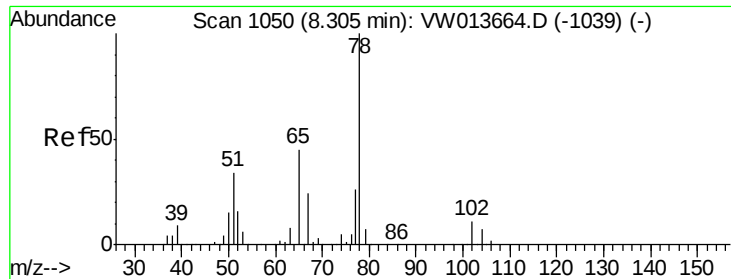
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.047 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	41.8	33.8	50.6





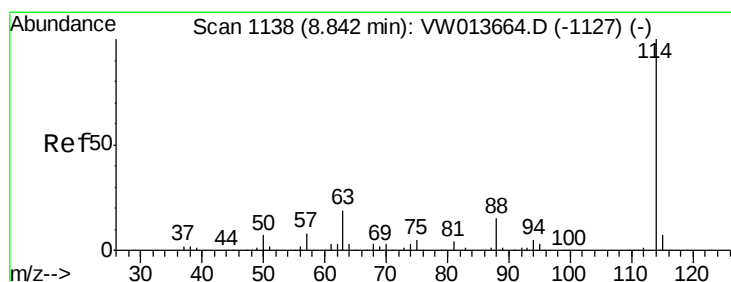
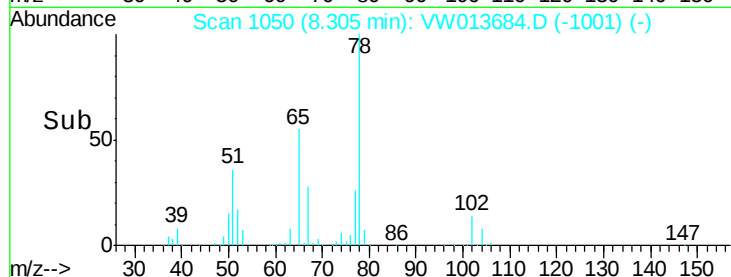
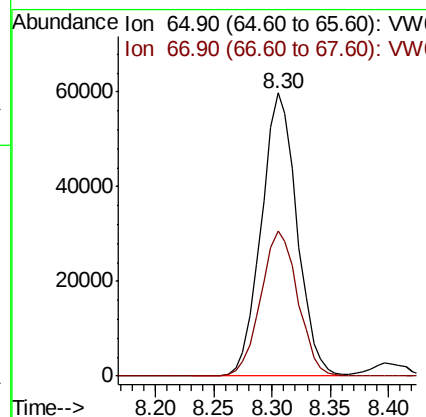
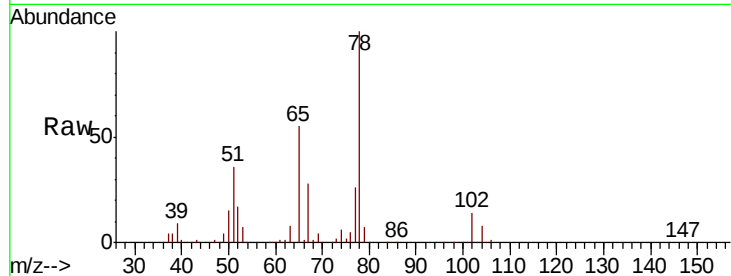
#33
 1,2-Dichloroethane-d4
 Concen: 54.913 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	109.4	

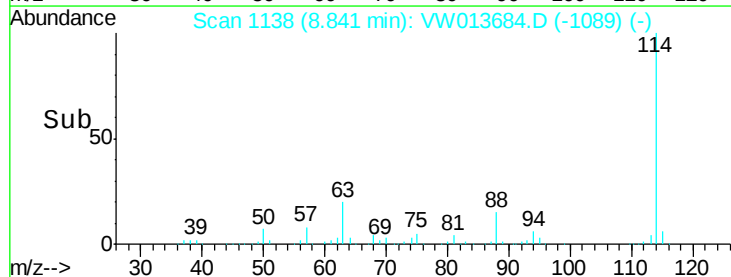
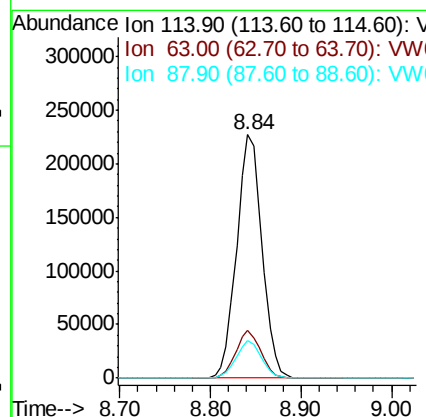
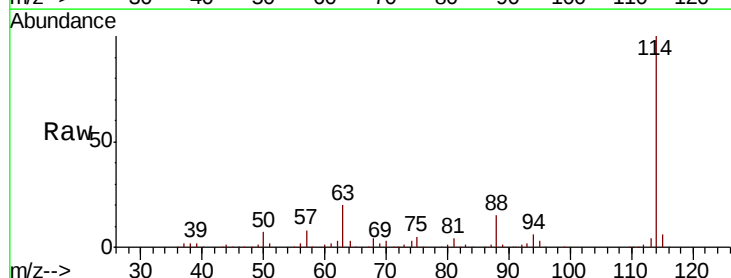
Manual Integrations
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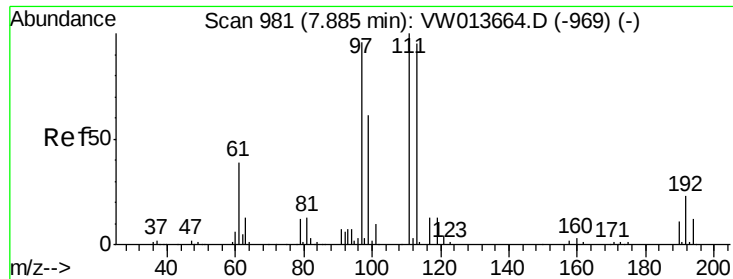
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	37.6	
88	15.4	0.0	30.2	





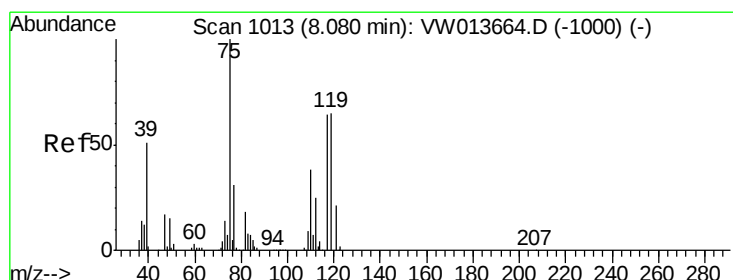
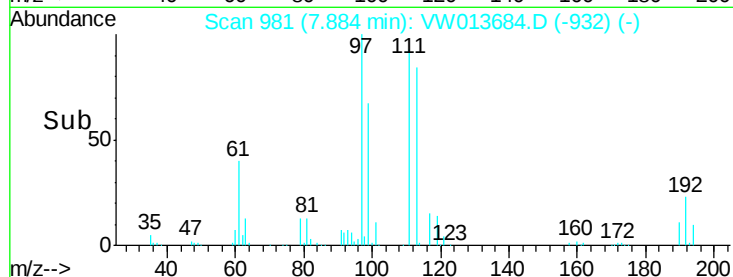
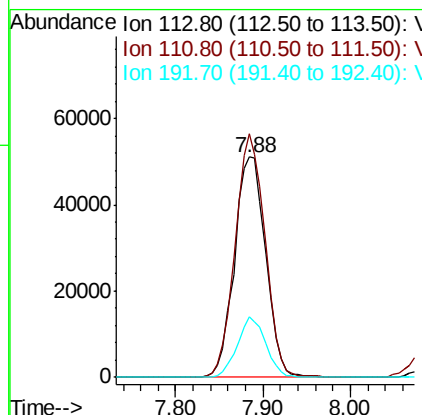
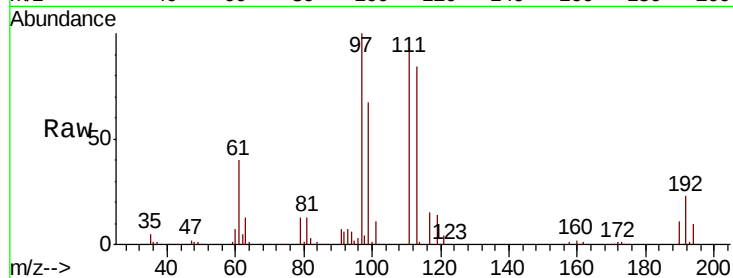
#35
 Dibromofluoromethane
 Concen: 51.793 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126729		
111	105.8	83.0	124.6	
192	24.9	19.4	29.2	

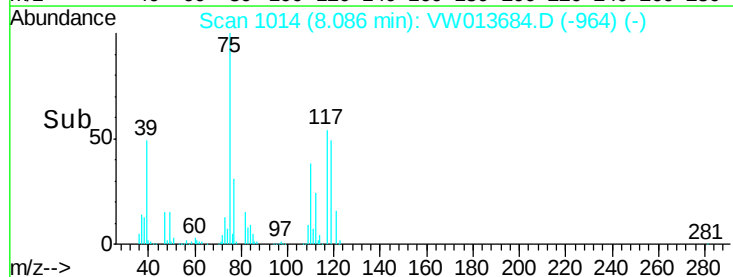
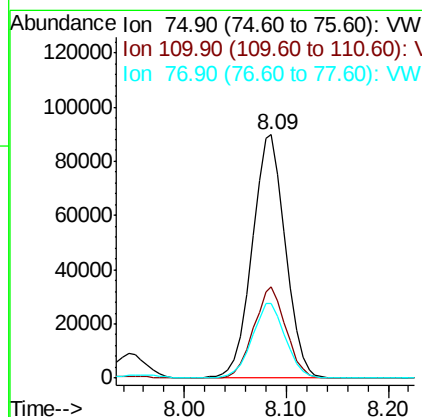
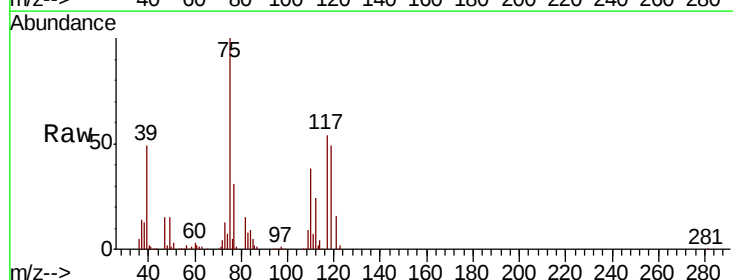
Manual Integrations
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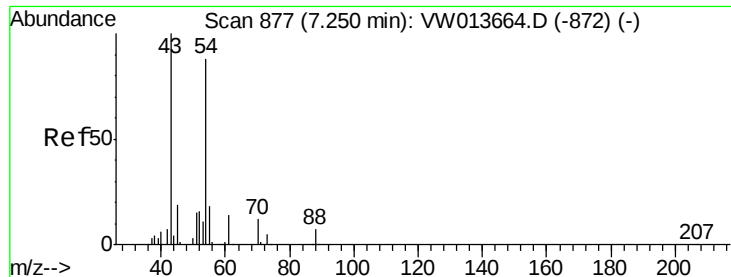
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#36
 1,1-Dichloropropene
 Concen: 49.632 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	203544		
110	36.3	18.7	56.1	
77	31.0	25.4	38.0	





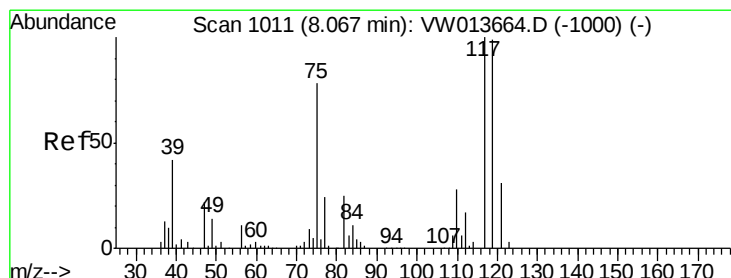
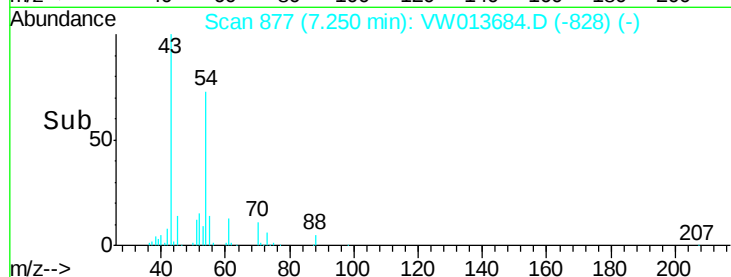
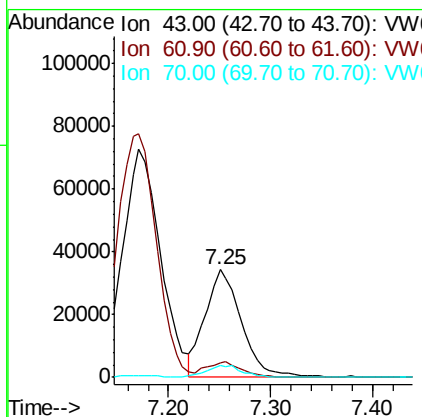
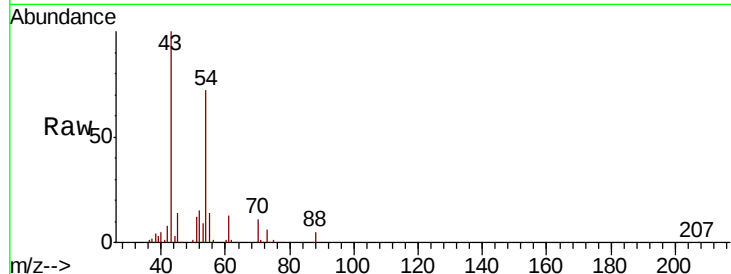
#37
Ethyl Acetate
Concen: 53.869 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.7	17.5
70	11.0	8.8	13.2

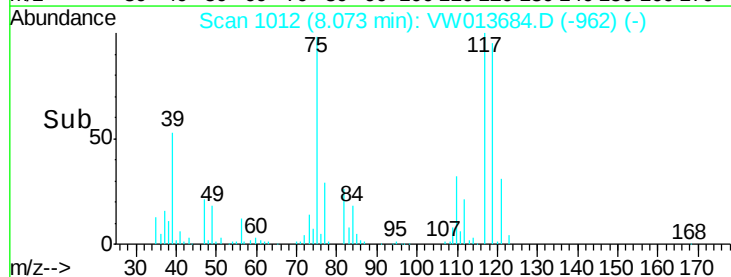
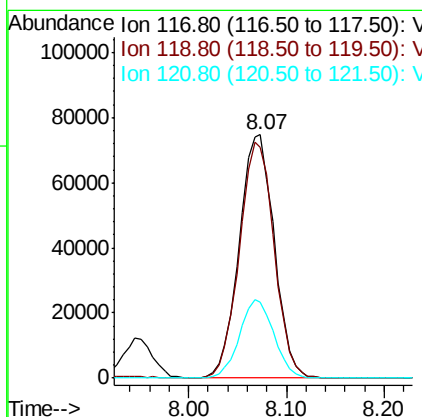
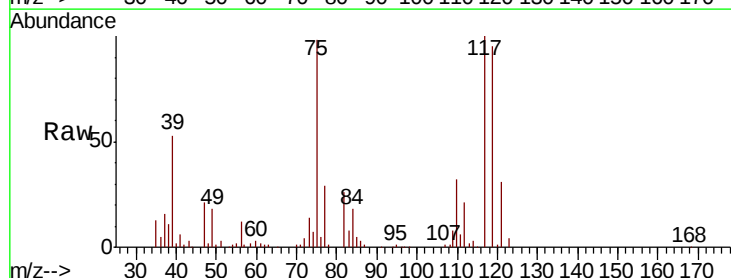
Manual Integrations
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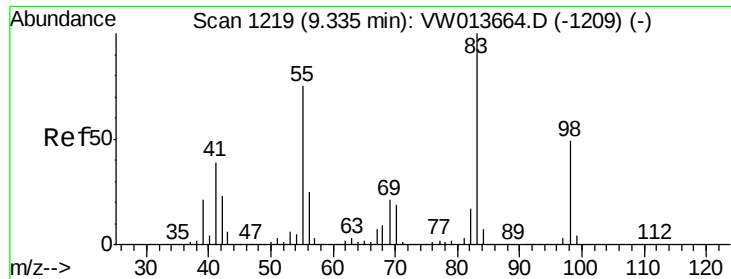
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.404 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	79.0	118.4
121	31.2	24.5	36.7





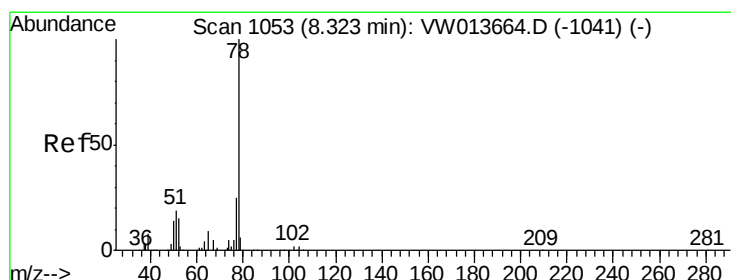
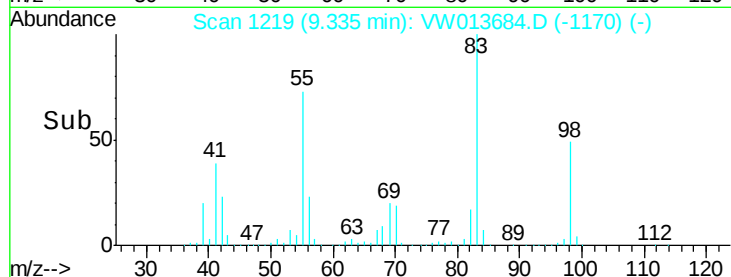
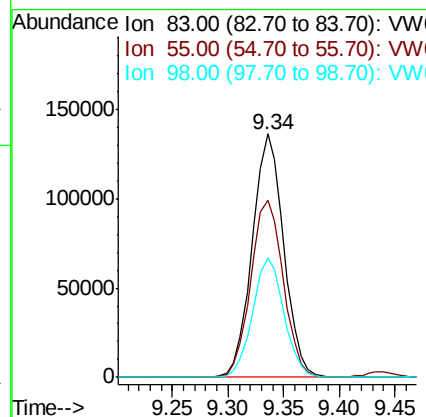
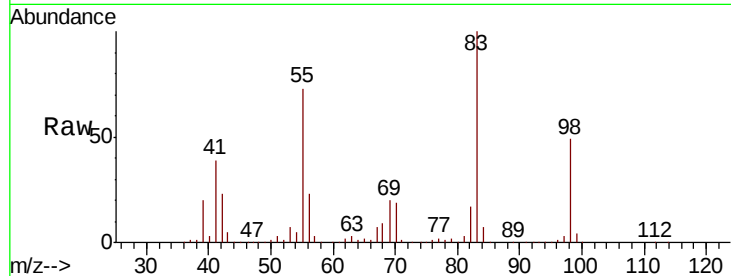
#39
Methvlcvclohexane
Concen: 50.782 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	59.9	89.9
98	49.2	39.4	59.2

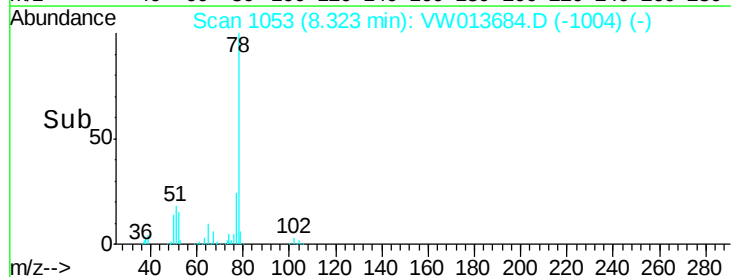
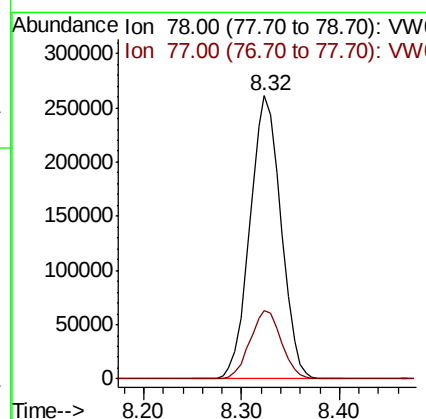
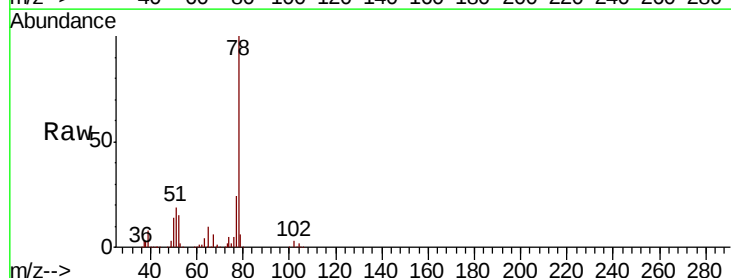
Manual Integrations
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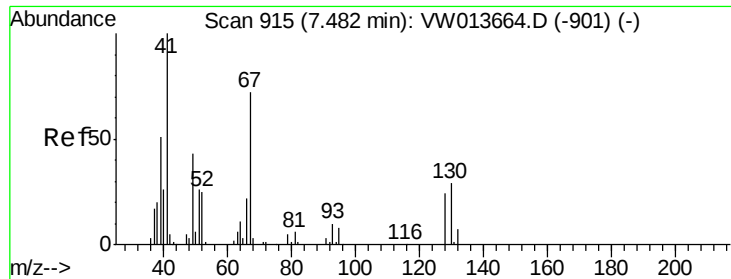
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#40
Benzene
Concen: 49.400 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4





#41

Methacrylonitrile

Concen: 49.817 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 48769

Ion Ratio Lower Upper

41 100

39 59.2 44.8 67.2

67 77.8 59.3 88.9

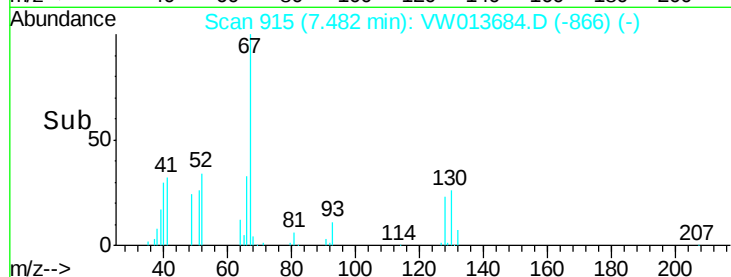
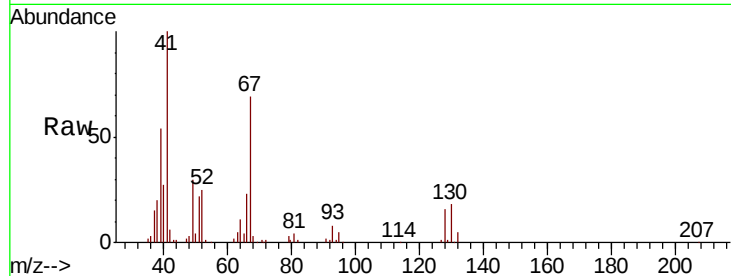
52 28.7 23.4 35.0

Manual Integrations

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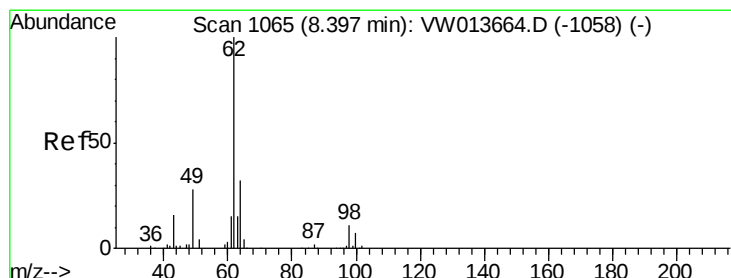
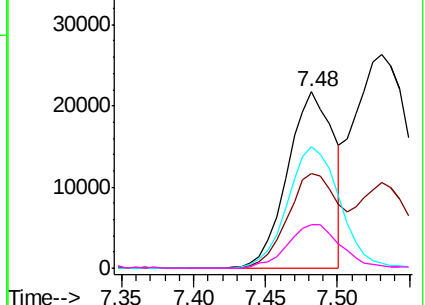


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 50.812 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW013684.D

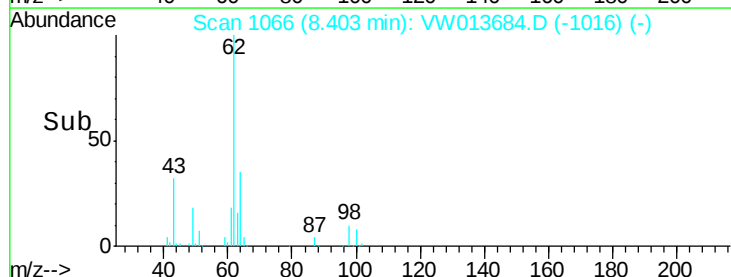
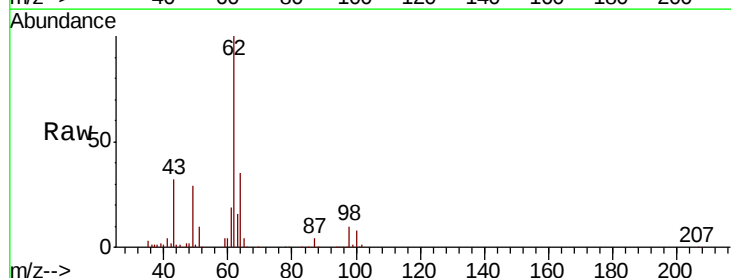
Acq: 23 Oct 2019 22:43

Tgt Ion: 62 Resp: 148606

Ion Ratio Lower Upper

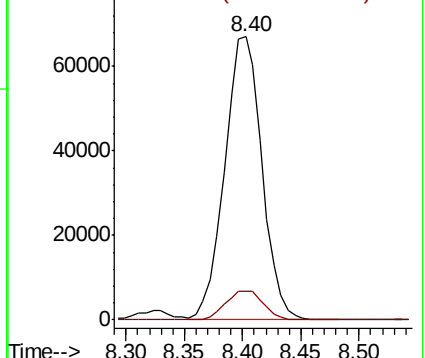
62 100

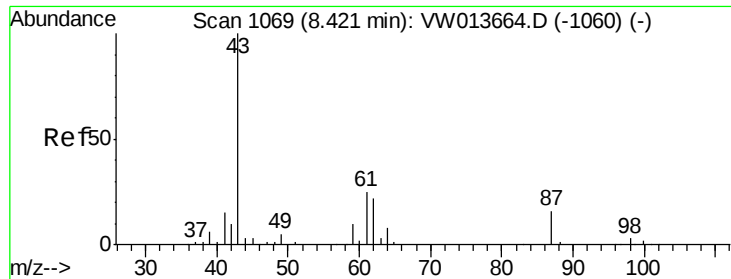
98 10.5 0.0 22.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.382 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

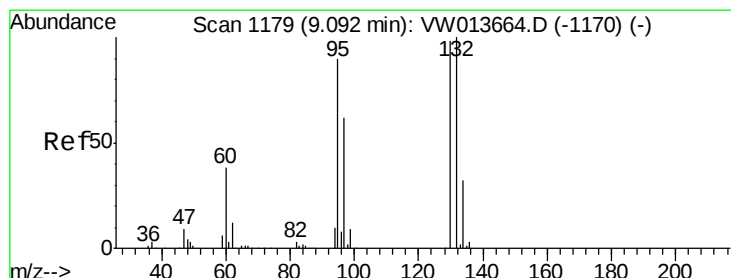
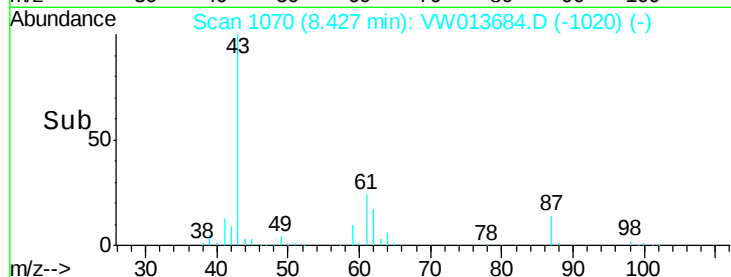
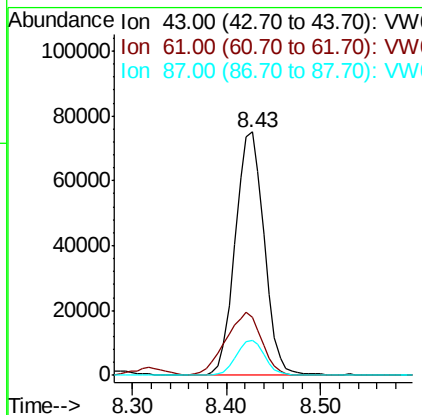
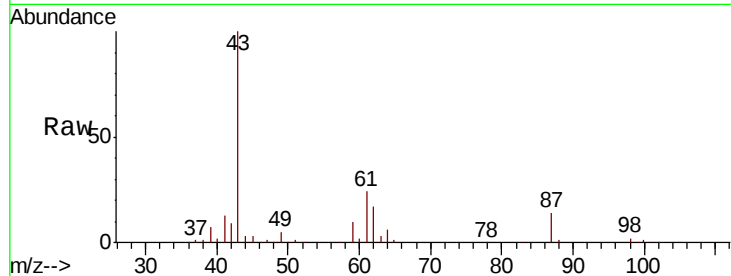
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	160412
Ion	Ratio	Lower	Upper
43	100		
61	32.3	26.1	39.1
87	14.2	11.4	17.0

Manual Integrations
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#44

Trichloroethene

Concen: 48.670 ug/l

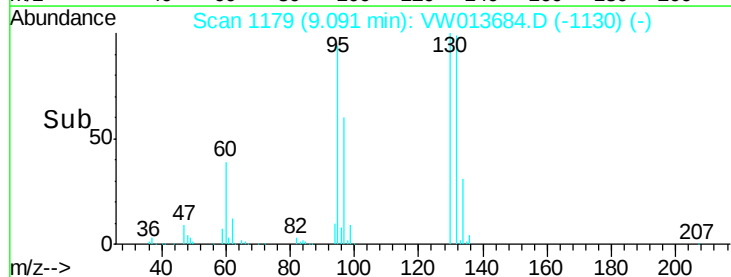
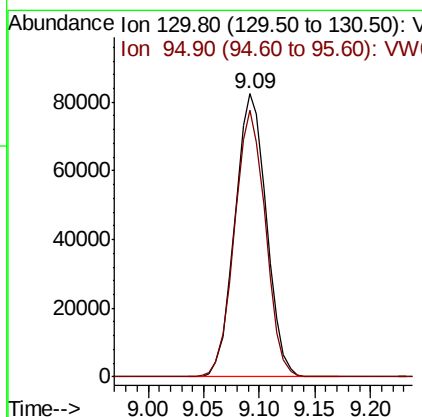
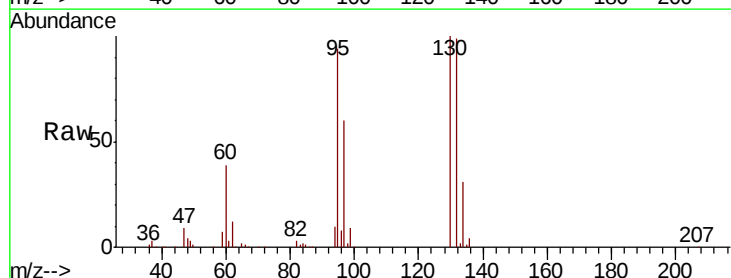
RT: 9.09 min Scan# 1179

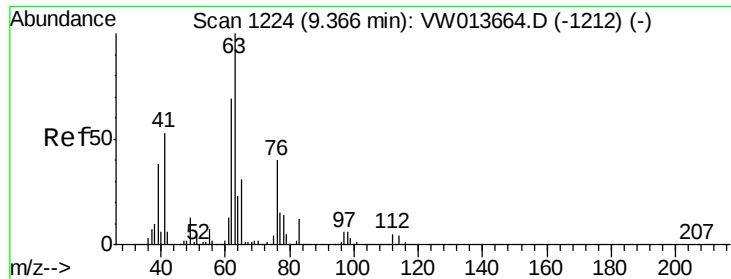
Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Tgt Ion:	130	Resp:	161805
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	184.6





#45

1,2-Dichloropropane

Concen: 49.378 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 136885

Ion Ratio Lower Upper

63 100

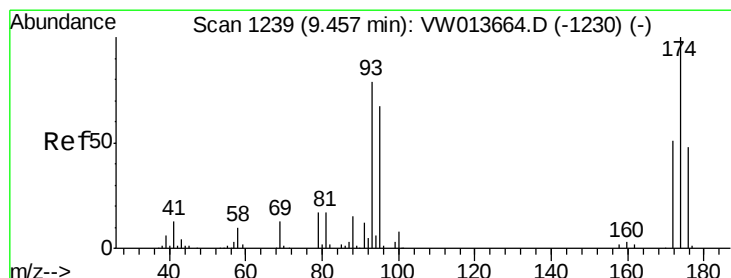
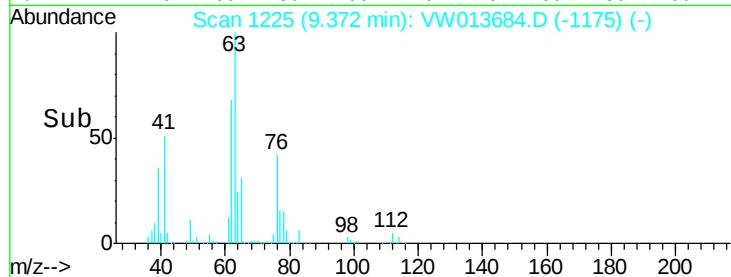
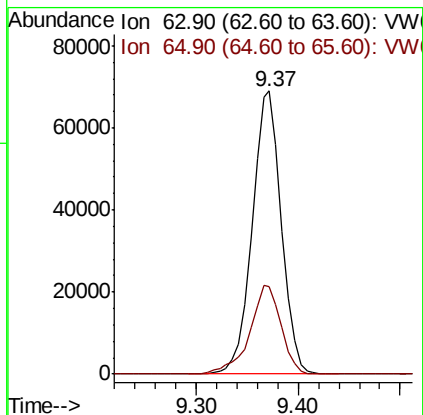
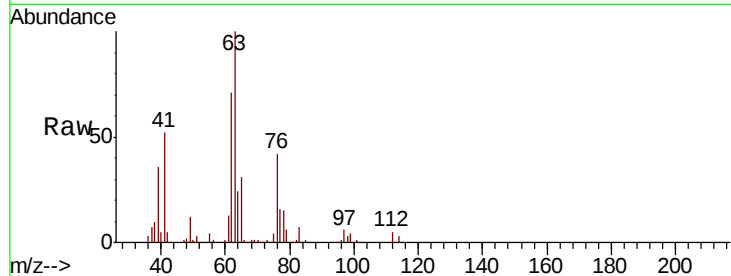
65 31.1 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 51.828 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

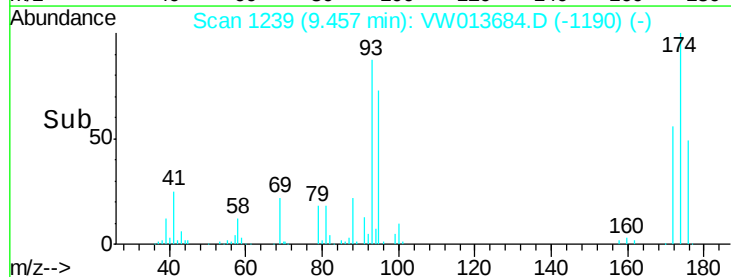
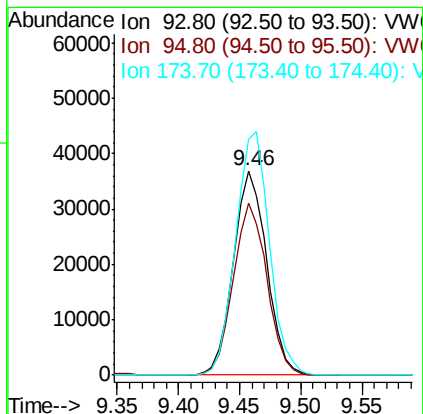
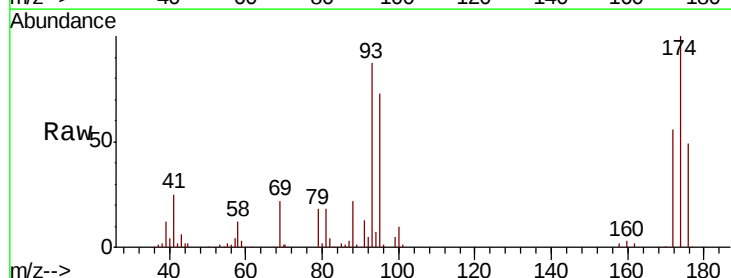
Tgt Ion: 93 Resp: 69734

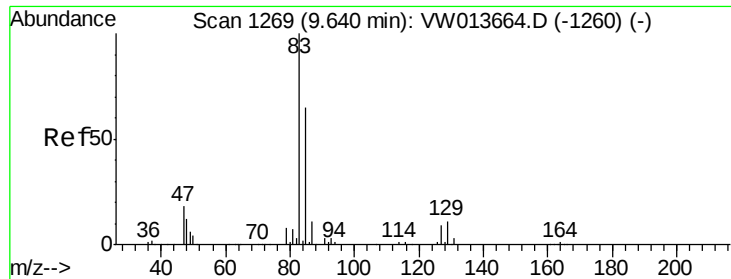
Ion Ratio Lower Upper

93 100

95 84.7 66.5 99.7

174 121.3 99.6 149.4





#47

Bromodichloromethane

Concen: 50.232 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

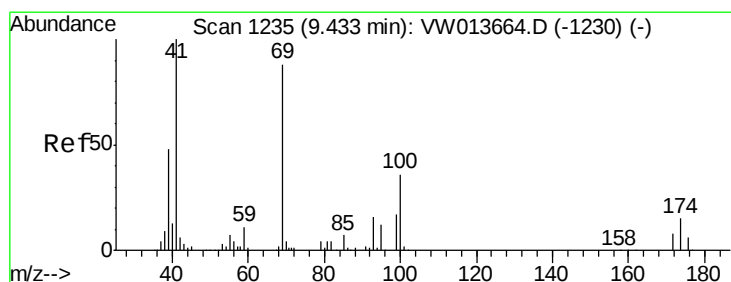
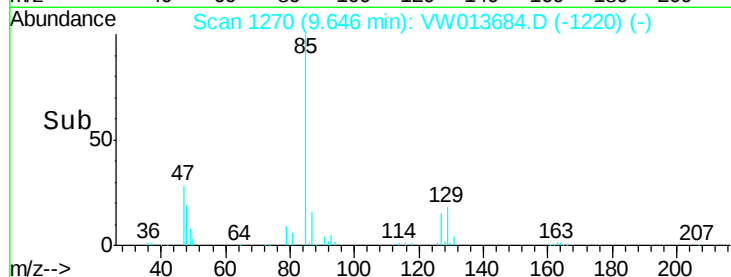
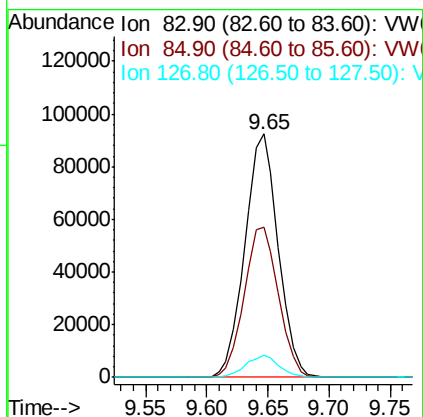
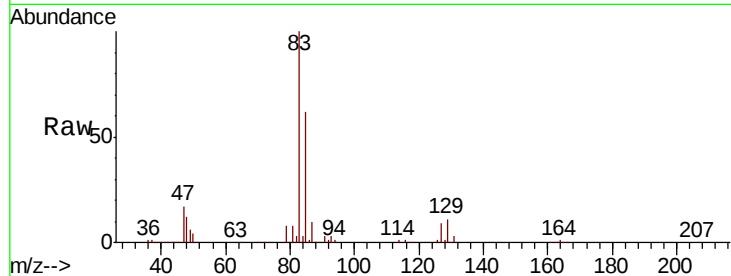
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	174875
Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.8	77.6
127	9.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.100 ug/l

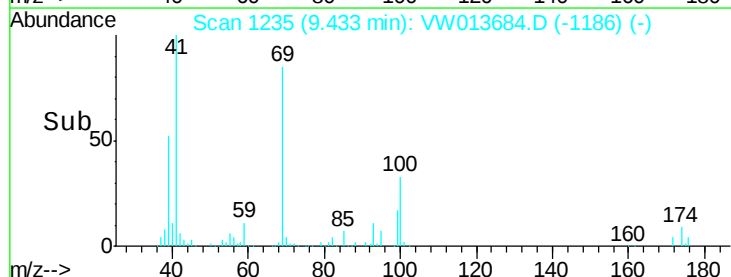
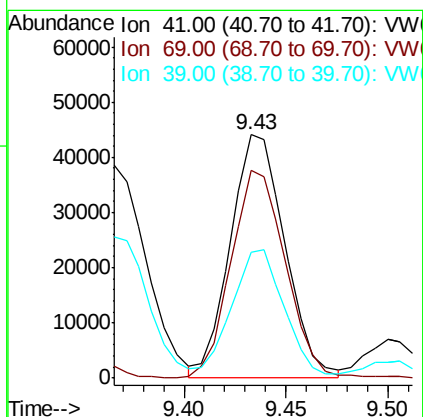
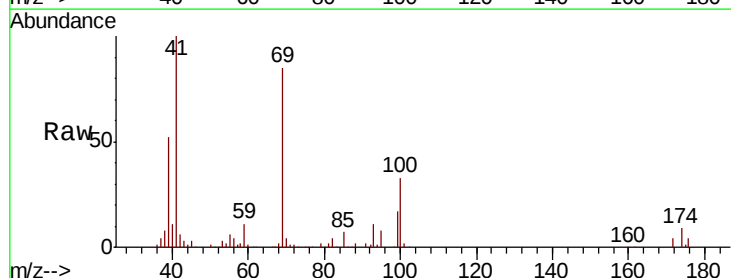
RT: 9.43 min Scan# 1235

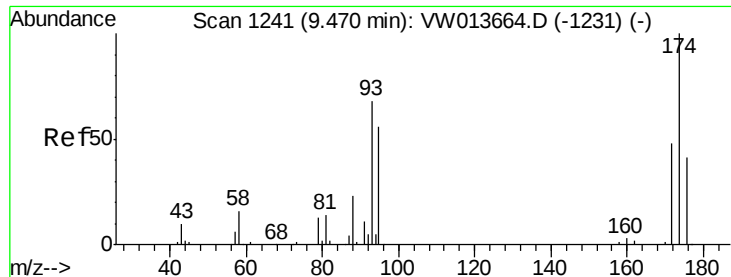
Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Tgt Ion:	41	Resp:	82108
Ion	Ratio	Lower	Upper
41	100		
69	85.6	67.6	101.4
39	48.2	38.6	58.0





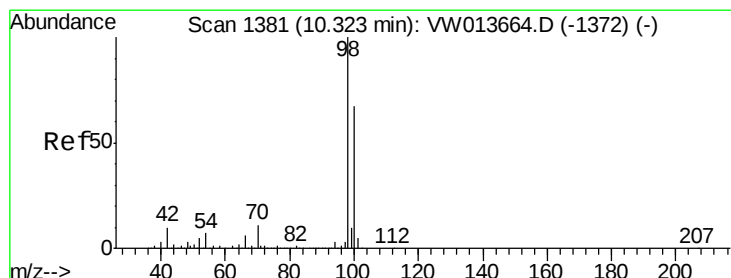
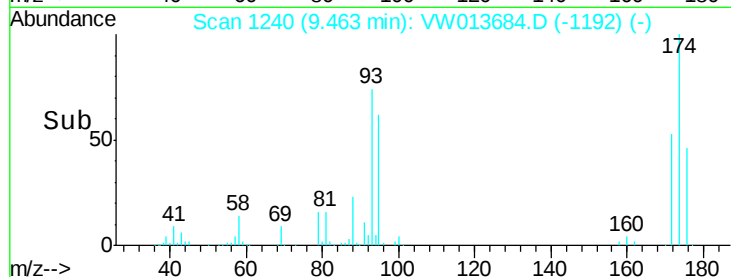
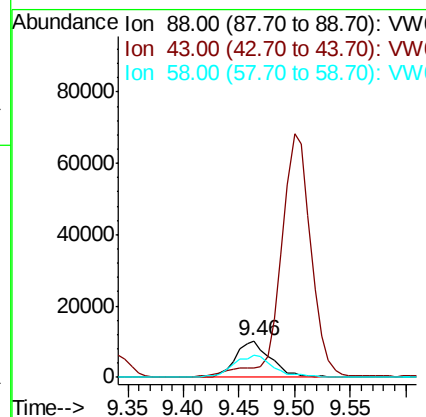
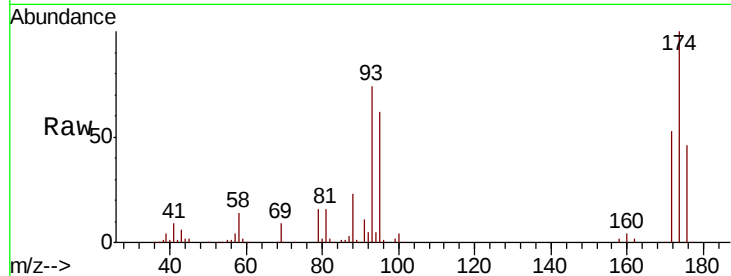
#49
1,4-Dioxane
Concen: 1115.314 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	22175
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.6	58.9	88.3

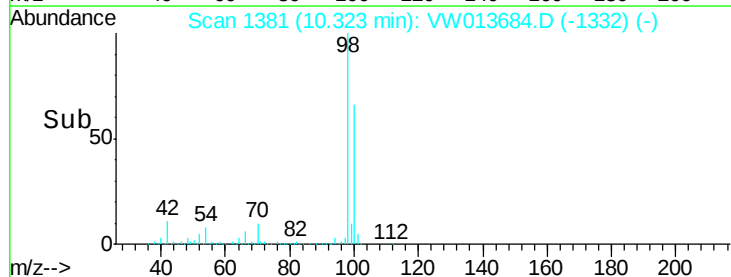
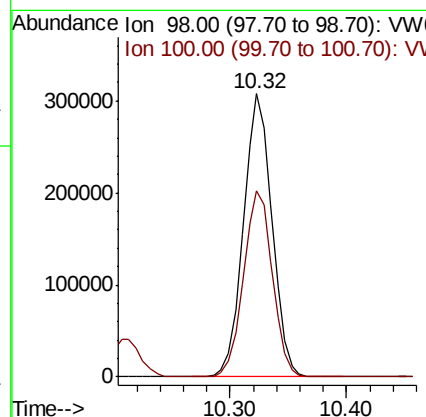
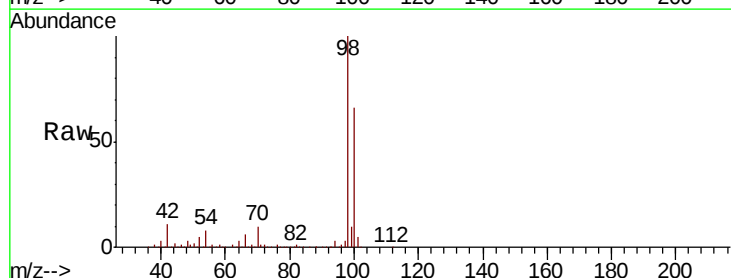
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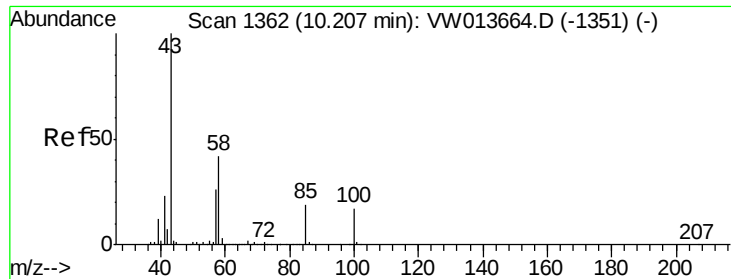
MMDadoda
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#50
Toluene-d8
Concen: 52.627 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	98	Resp	524705
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 275.368 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 411183

Ion Ratio Lower Upper

43 100

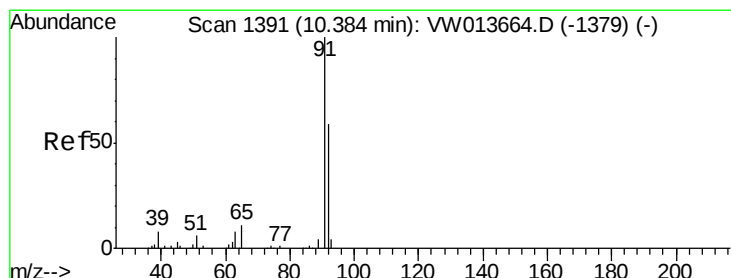
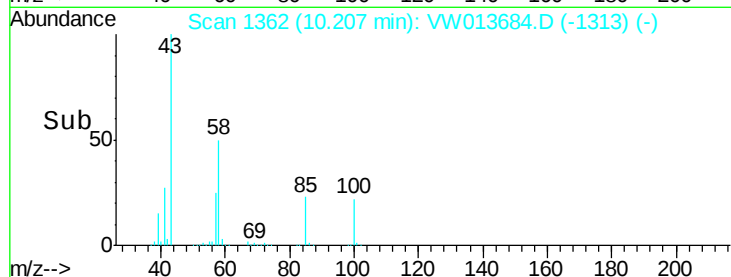
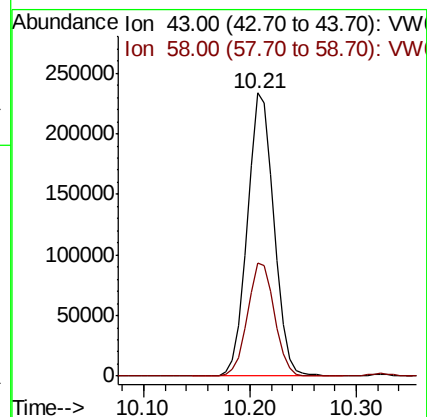
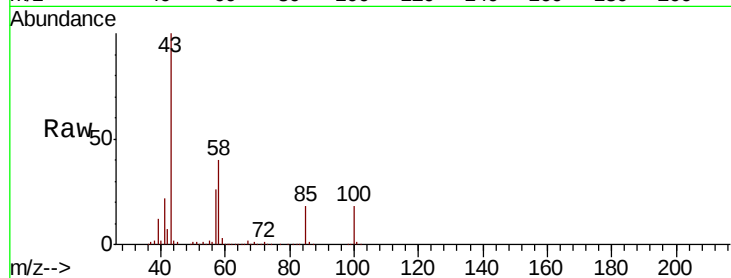
58 40.5 32.6 49.0

Manual Integrations

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#52

Toluene

Concen: 48.956 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013684.D

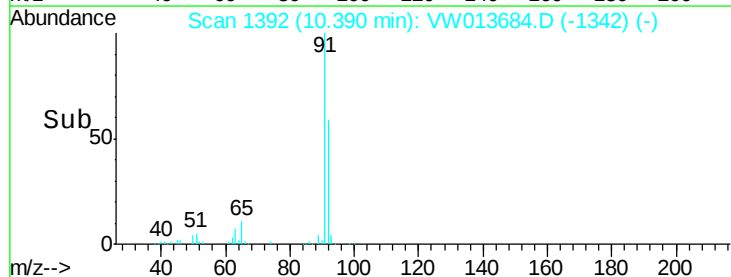
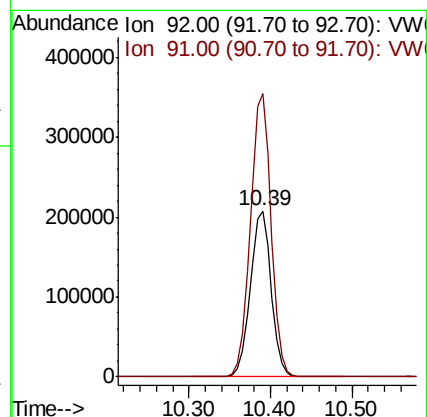
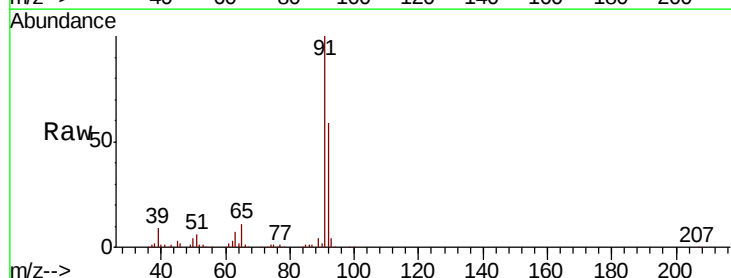
Acq: 23 Oct 2019 22:43

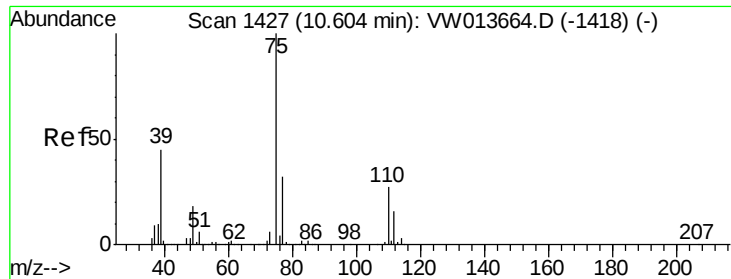
Tgt Ion: 92 Resp: 366503

Ion Ratio Lower Upper

92 100

91 169.7 134.5 201.7





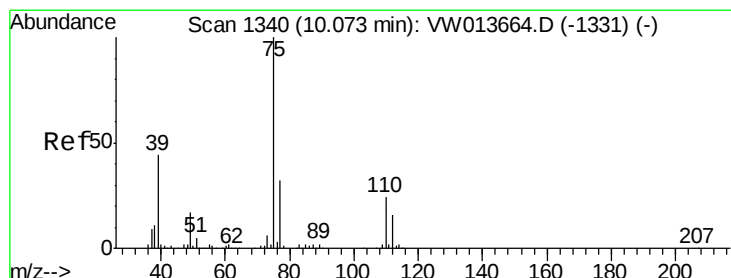
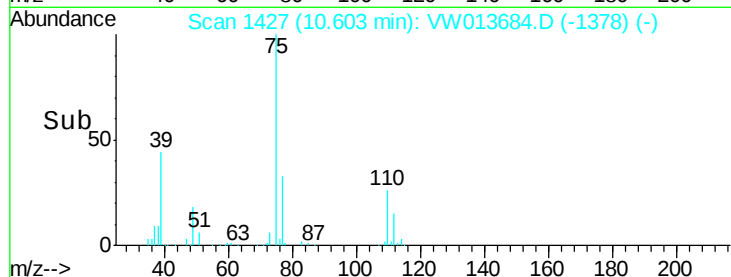
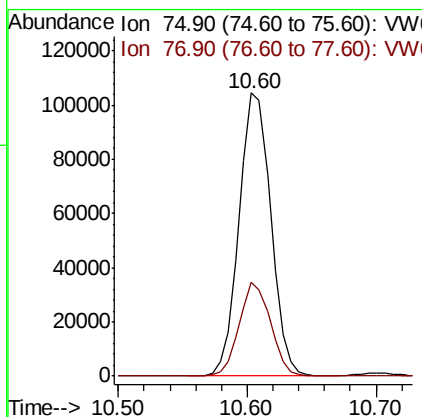
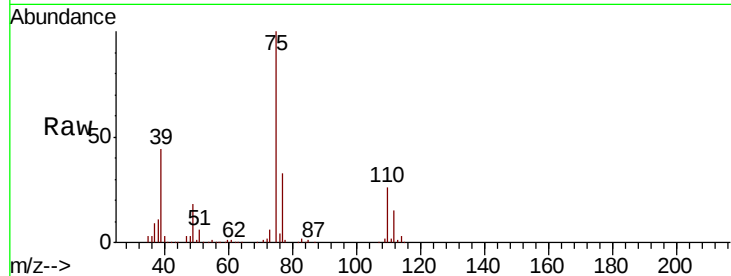
#53
t-1,3-Dichloropropene
Concen: 50.802 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 179042
Ion Ratio Lower Upper
75 100
77 32.9 25.5 38.3

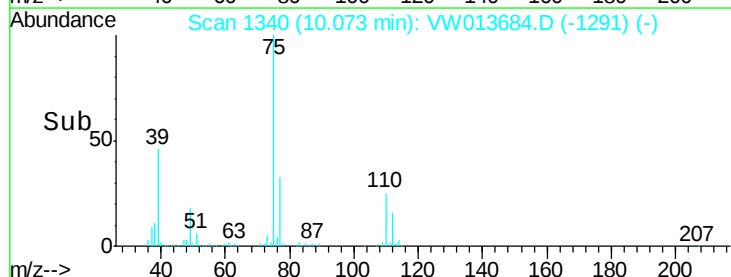
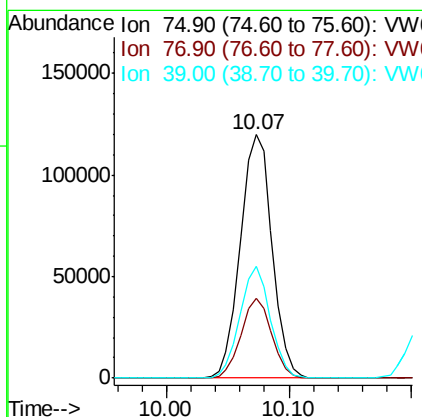
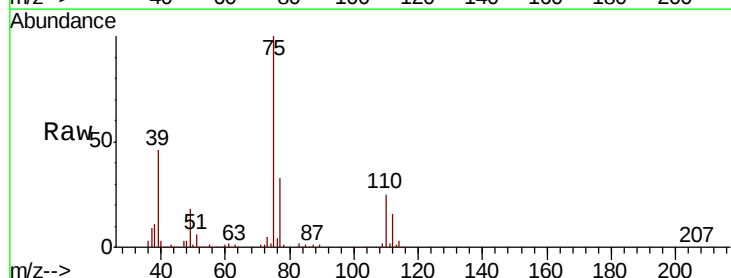
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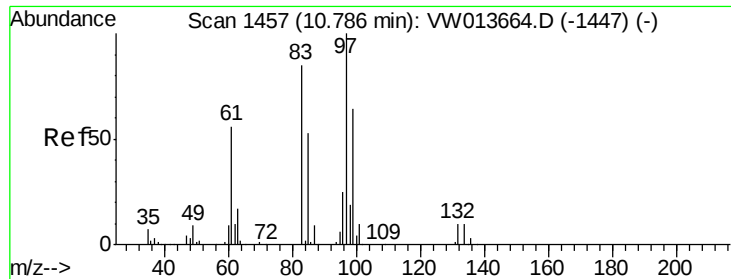
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#54
cis-1,3-Dichloropropene
Concen: 49.621 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 75 Resp: 215759
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.6
39 45.9 35.3 52.9





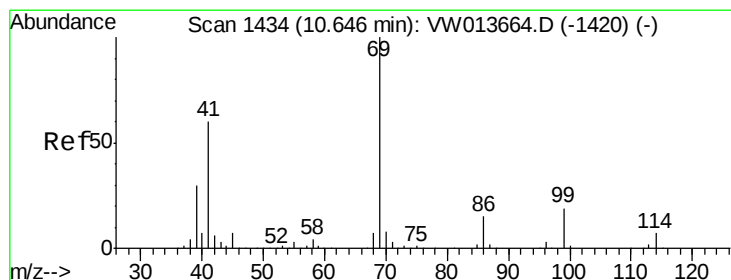
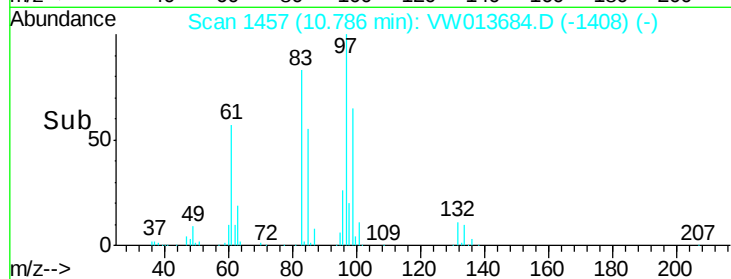
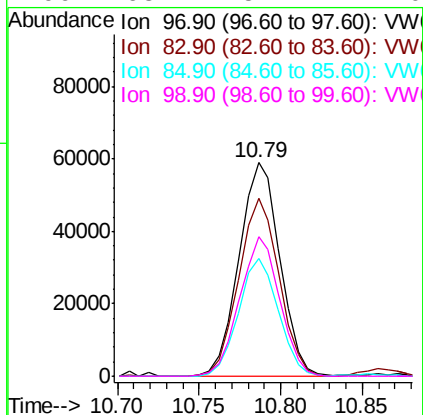
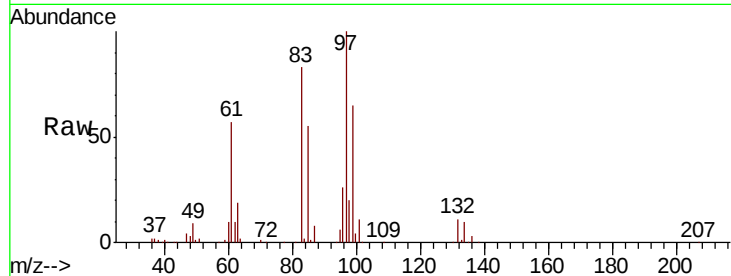
#55
1,1,2-Trichloroethane
Concen: 51.360 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	102989
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.8	101.8
85	54.9	42.1	63.1
99	65.1	51.4	77.0

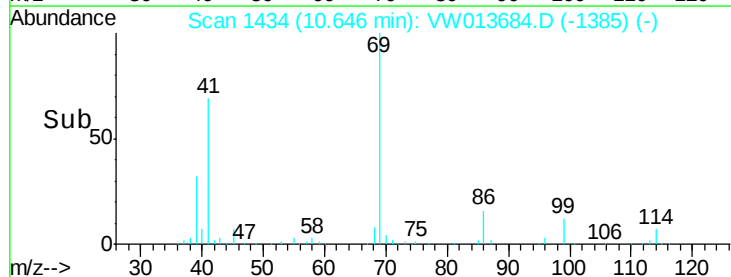
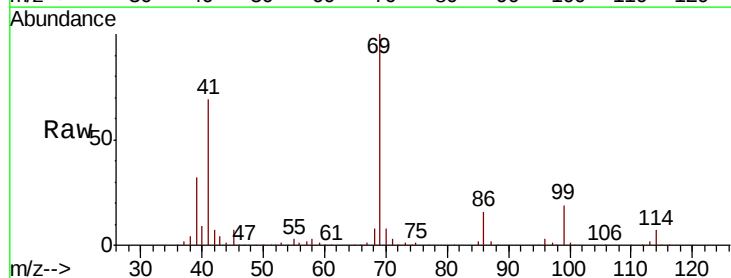
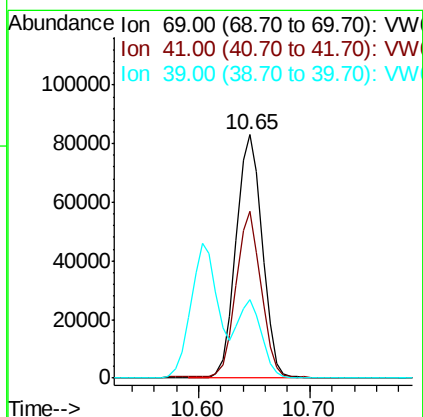
Manual Integrations
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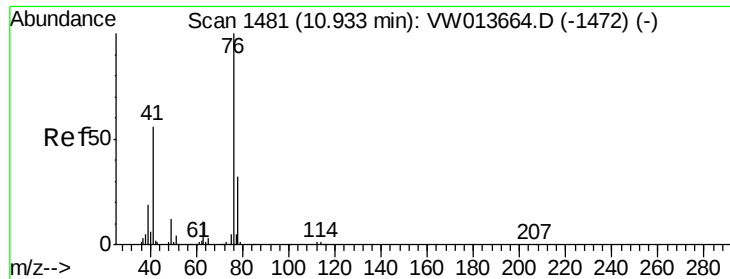
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#56
Ethyl methacrylate
Concen: 54.120 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion:	69	Resp:	135776
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.6	77.4
39	29.2	22.4	33.6





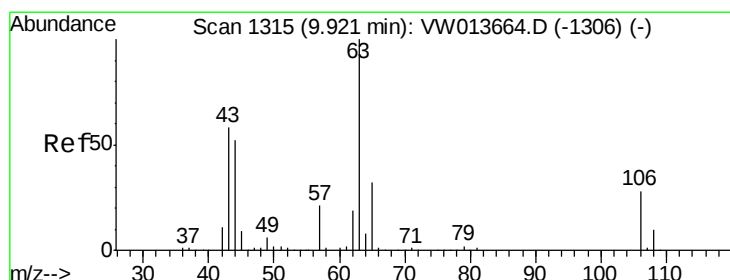
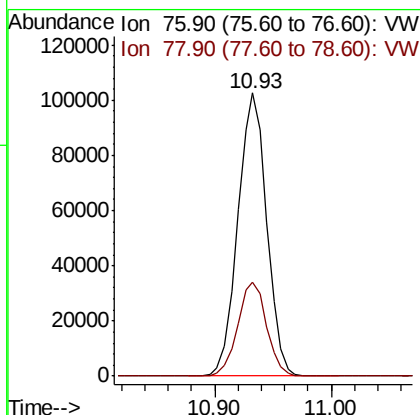
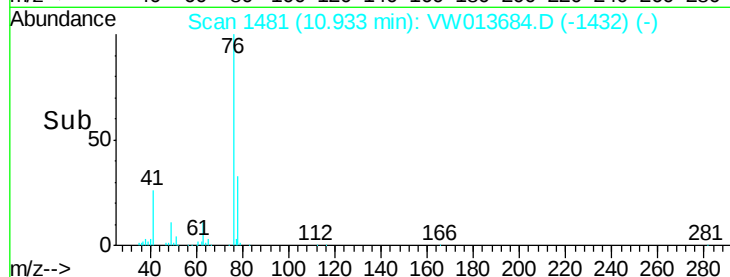
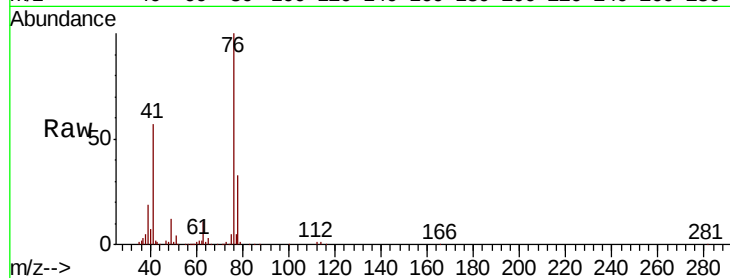
#57
 1,3-Dichloropropane
 Concen: 51.429 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 176972
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.0 39.0

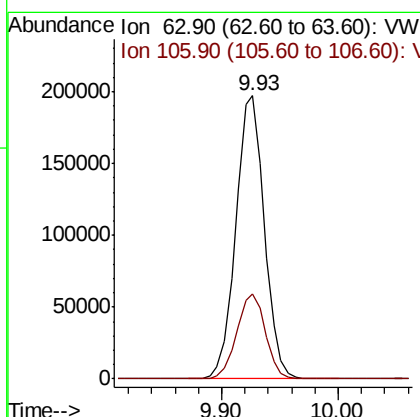
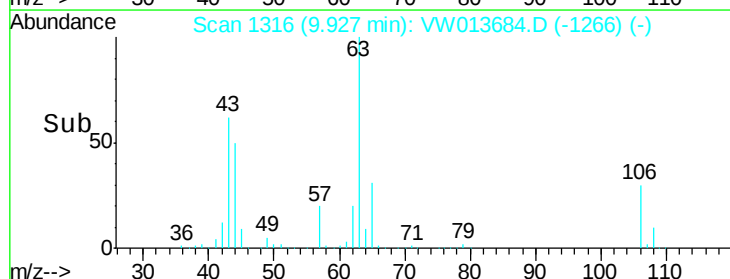
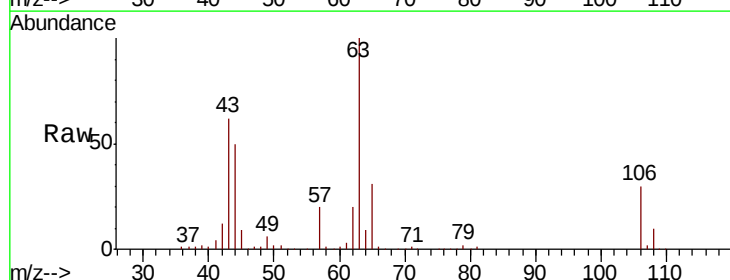
Manual Integrations
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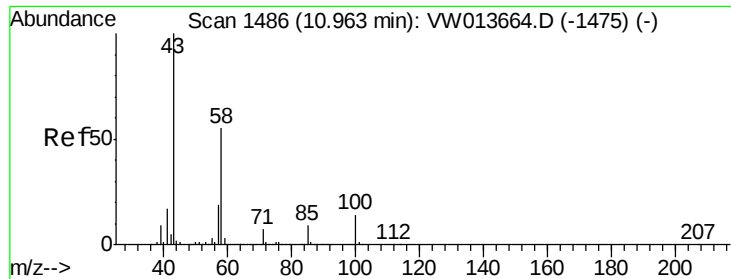
MMDadoda
 10/24/2019 1:26:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 290.748 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion: 63 Resp: 335709
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8





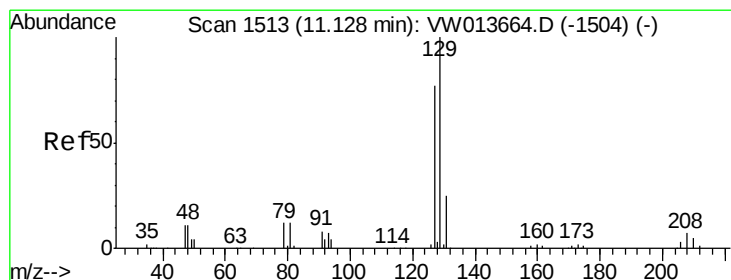
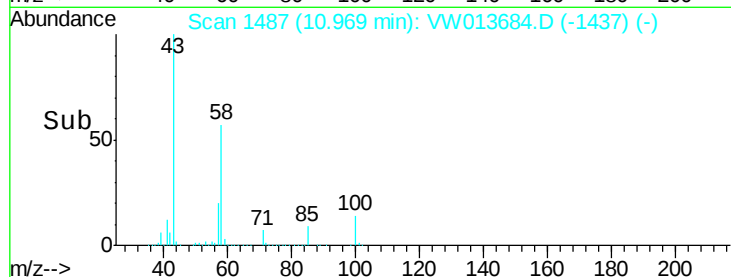
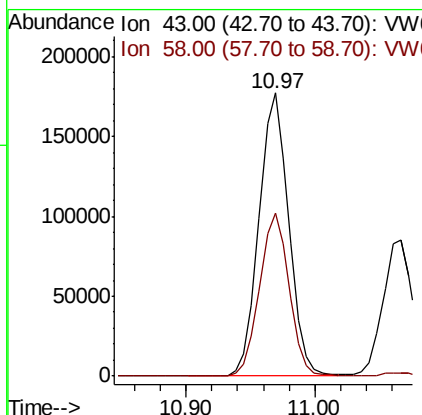
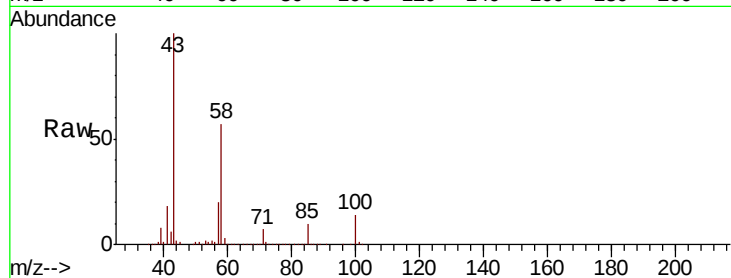
#59
2-Hexanone
Concen: 274.848 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 282932
Ion Ratio Lower Upper
43 100
58 57.2 27.9 83.7

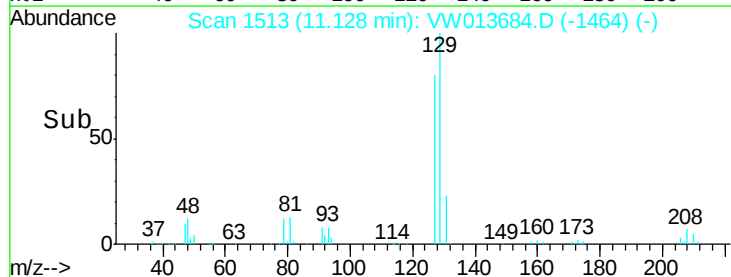
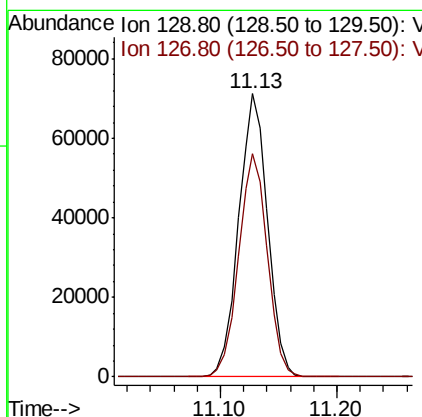
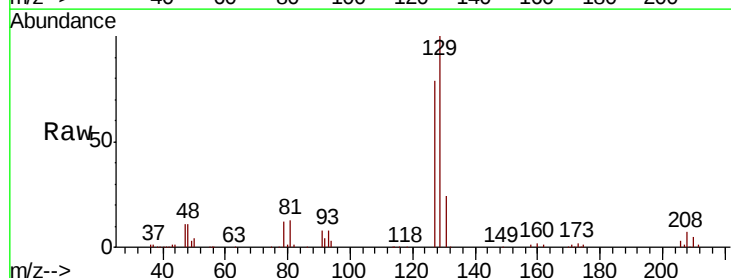
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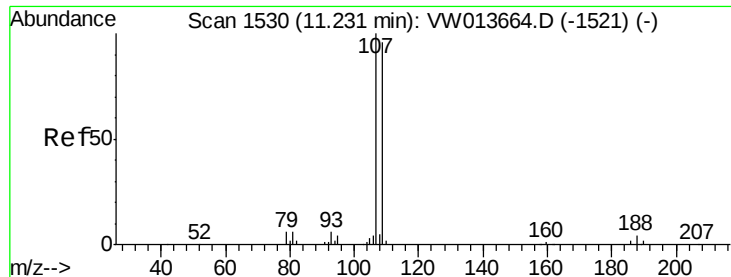
MMDadoda
10/24/2019 1:26:22 PM



#60
Dibromochloromethane
Concen: 51.582 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 129 Resp: 122809
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7





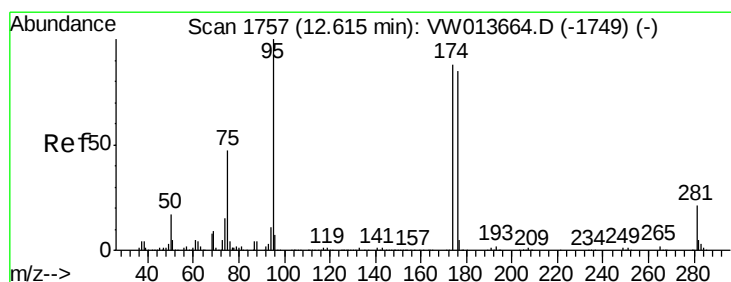
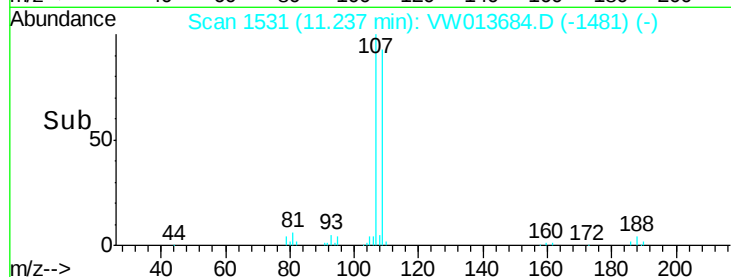
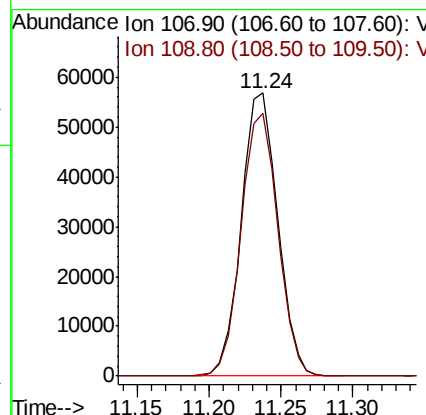
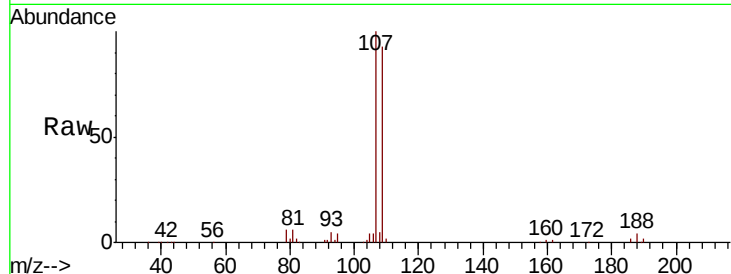
#61
 1,2-Dibromoethane
 Concen: 52.625 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 99834
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.7 113.5

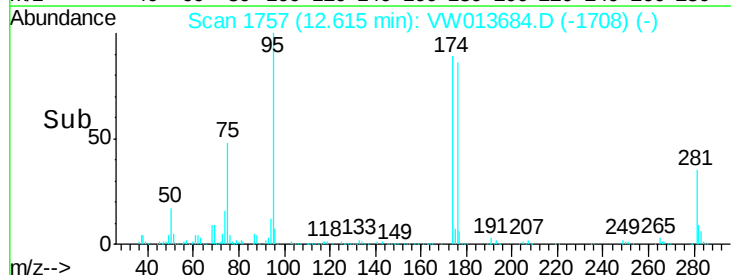
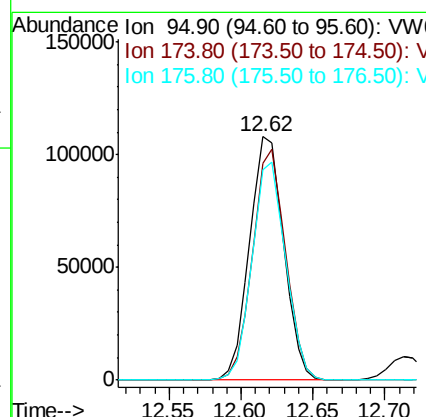
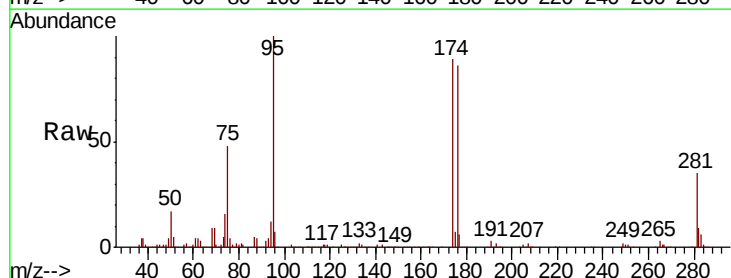
Manual Integrations
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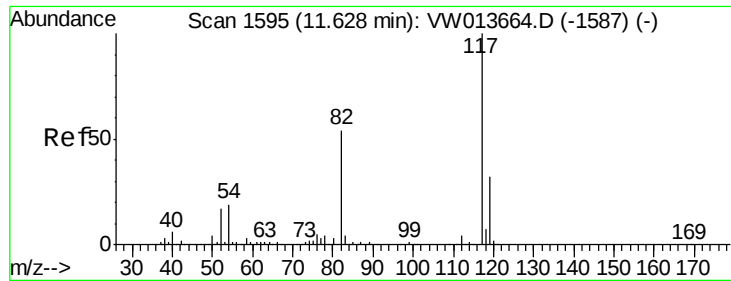
MMDadoda
 10/24/2019 1:26:22 PM



#62
 4-Bromofluorobenzene
 Concen: 52.297 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion: 95 Resp: 176551
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 183.6
 176 88.0 0.0 178.0





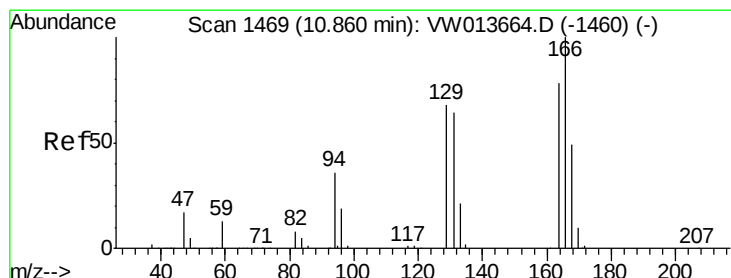
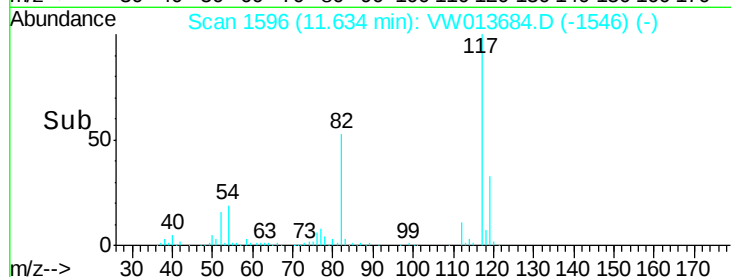
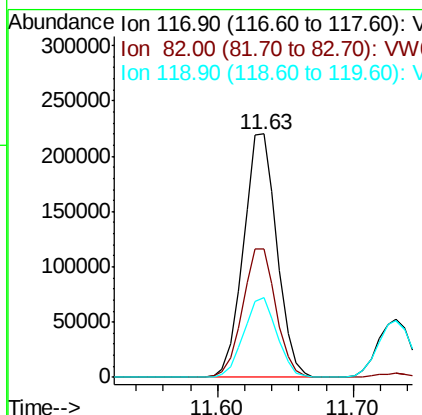
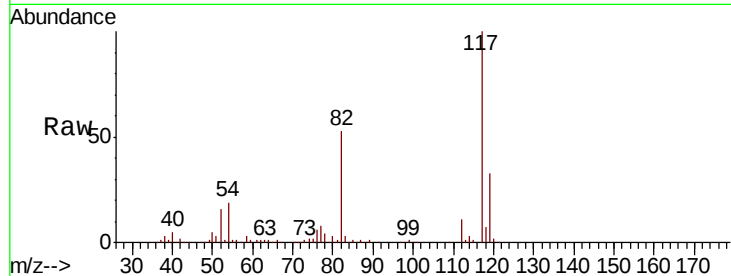
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.6	65.4
119	32.6	25.4	38.2

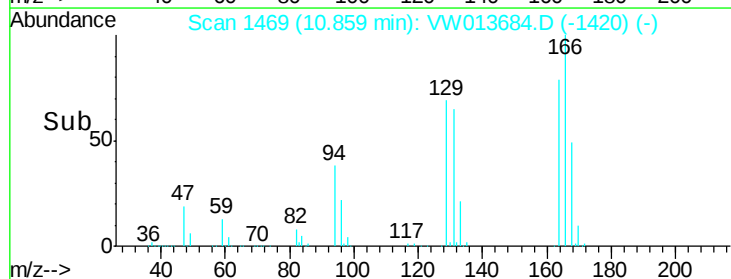
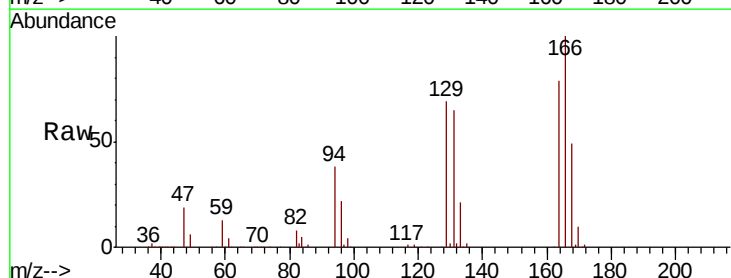
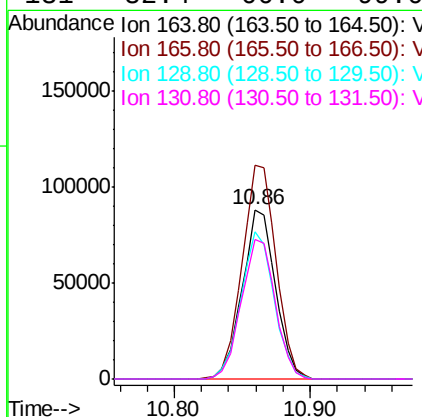
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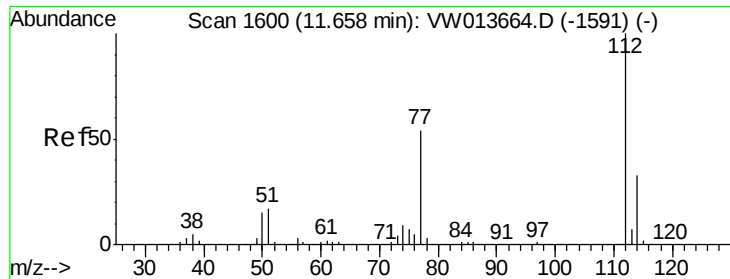
MMDadoda
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#64
Tetrachloroethene
Concen: 52.153 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.2	154.8
129	87.0	70.6	105.8
131	82.4	66.0	99.0





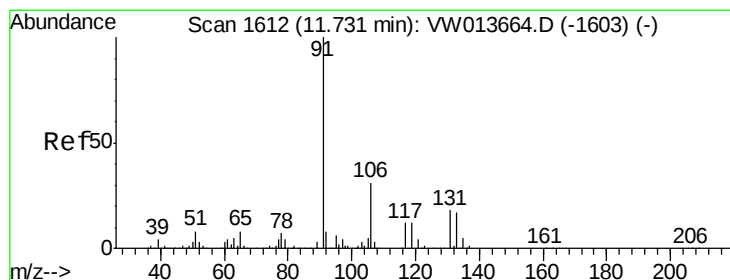
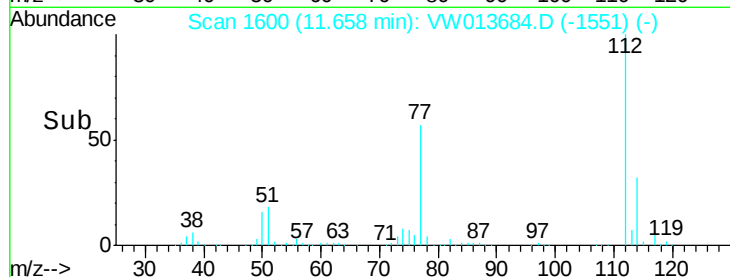
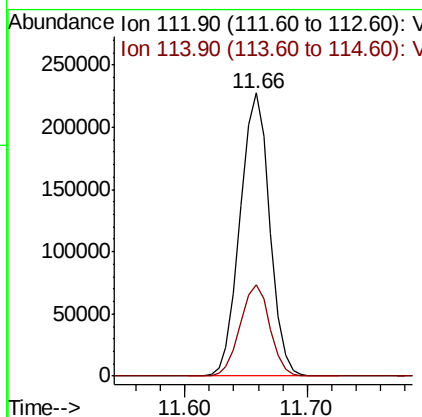
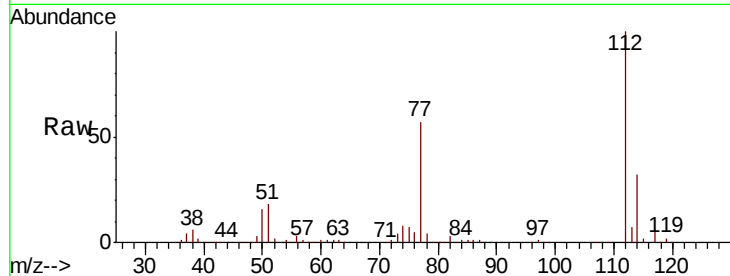
#65
Chlorobenzene
Concen: 49.180 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 381597
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

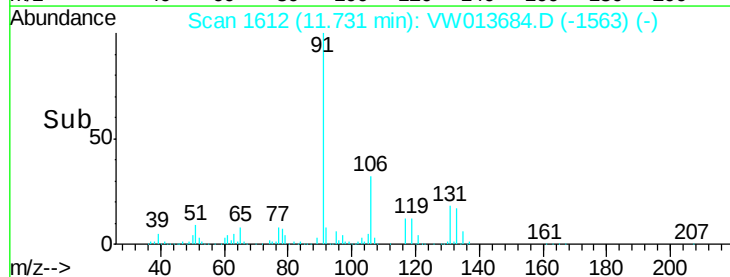
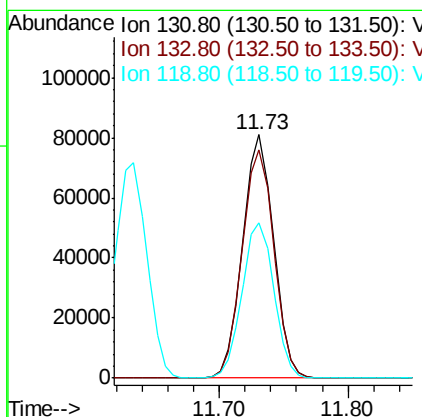
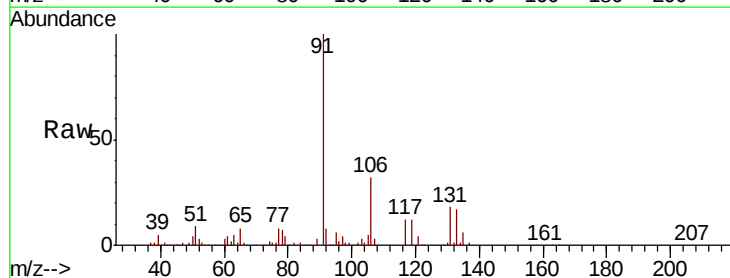
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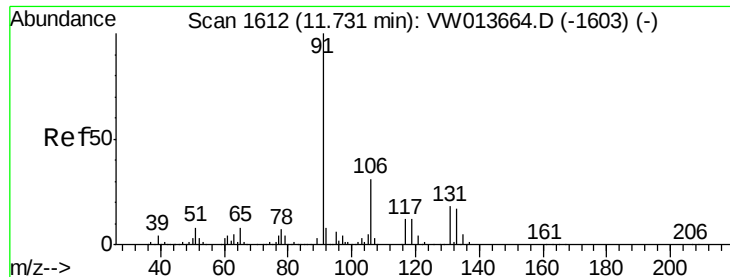
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.746 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion:131 Resp: 134711
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 65.6 33.1 99.2





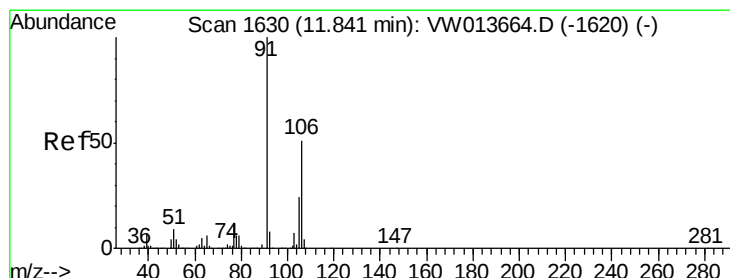
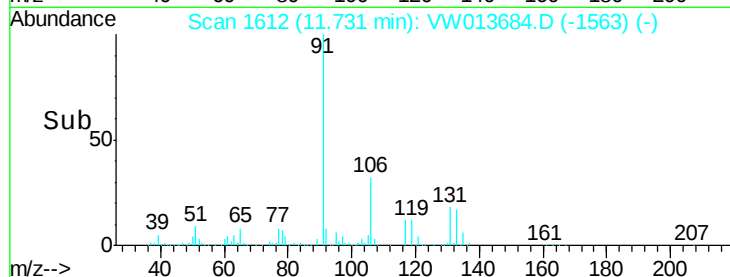
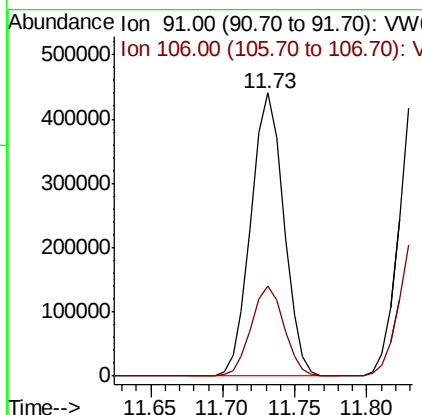
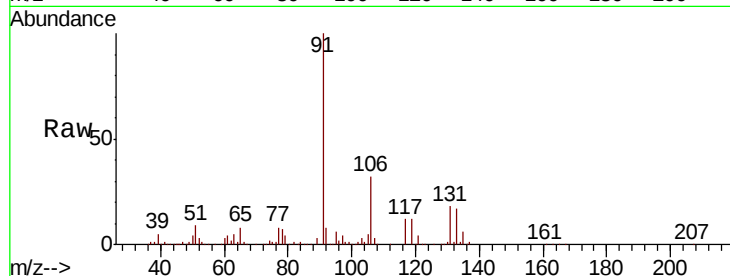
#67
Ethyl Benzene
Concen: 49.828 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 697155
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6

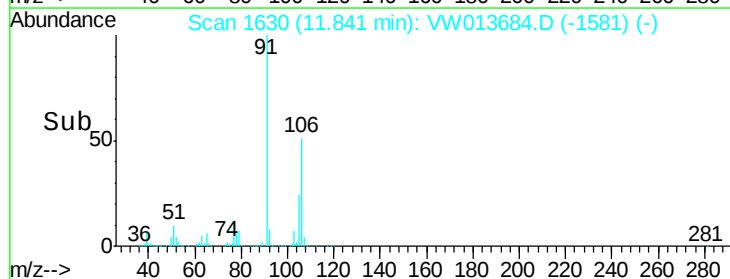
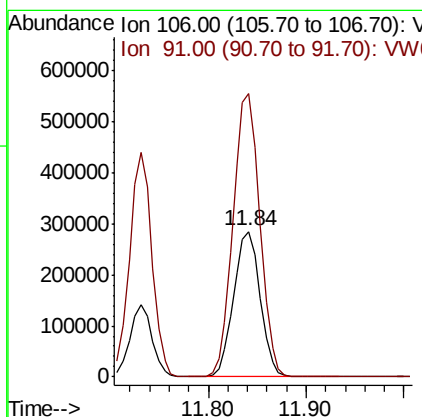
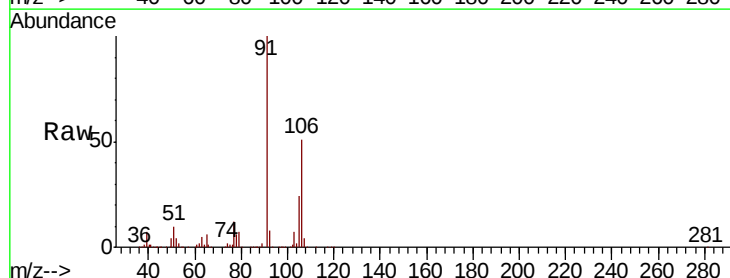
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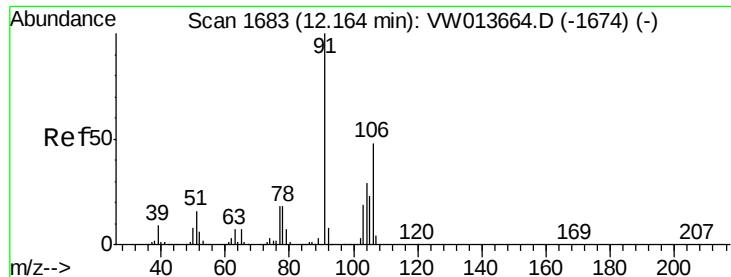
MMDadoda
10/24/2019 1:26:22 PM



#68
m/p-Xylenes
Concen: 99.067 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion: 106 Resp: 535512
Ion Ratio Lower Upper
106 100
91 196.3 159.2 238.8





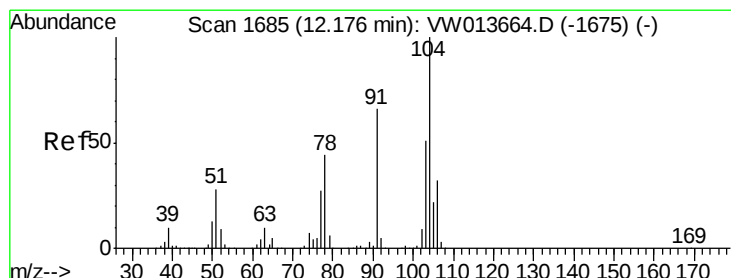
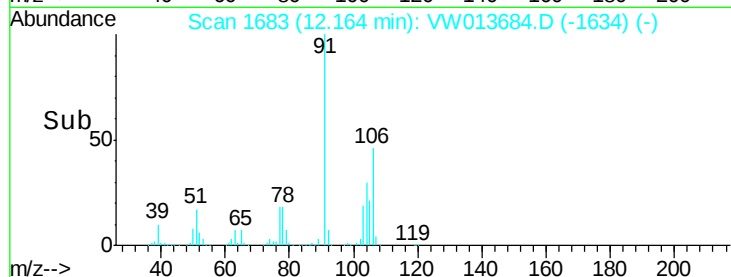
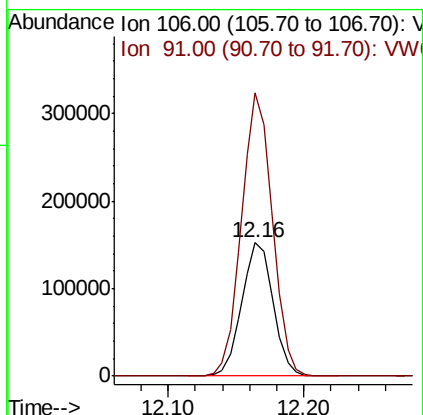
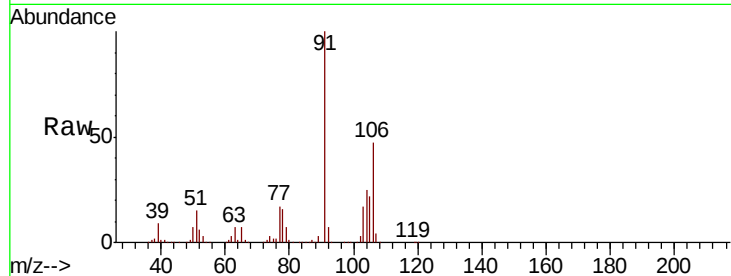
#69
o-Xylene
Concen: 49.367 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.2	104.9	314.7	

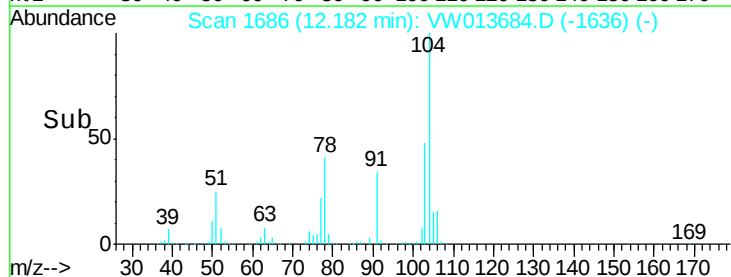
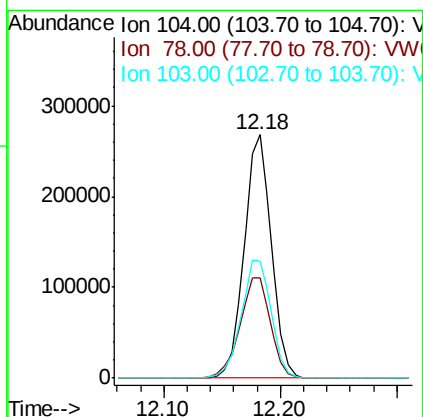
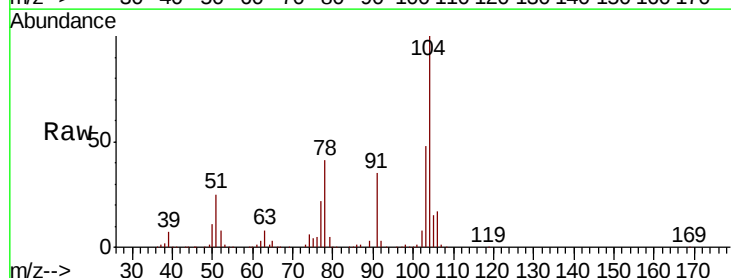
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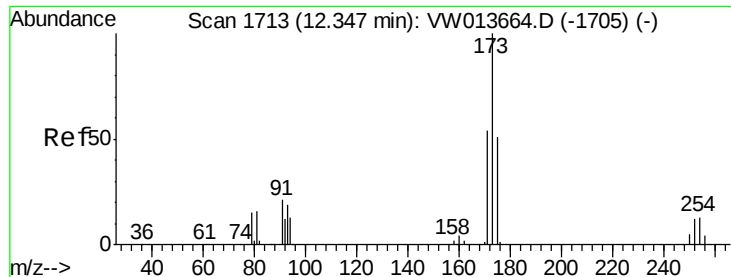
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#70
Styrene
Concen: 51.110 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.1	37.1	55.7	
103	53.5	43.6	65.4	





#71

Bromoform

Concen: 53.408 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 75897

Ion Ratio Lower Upper

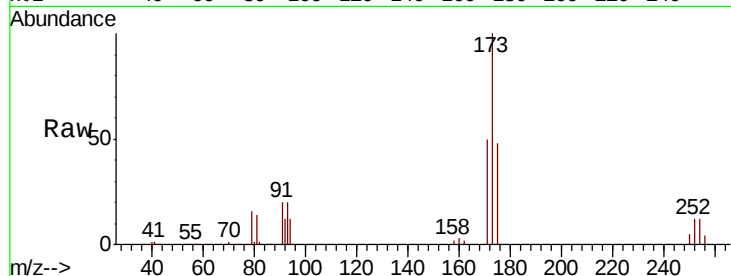
173 100

175 49.0 25.2 75.6

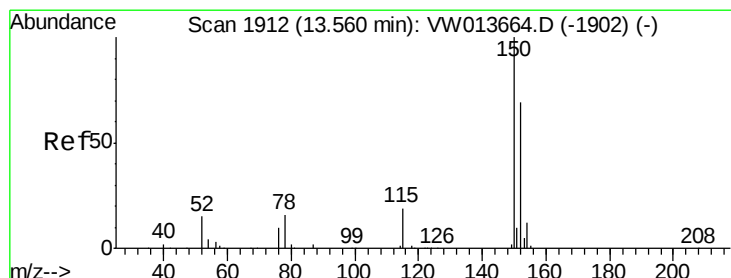
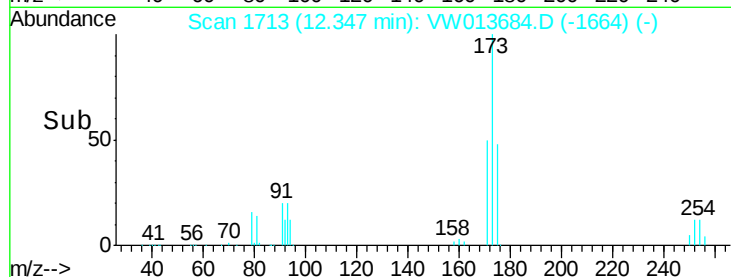
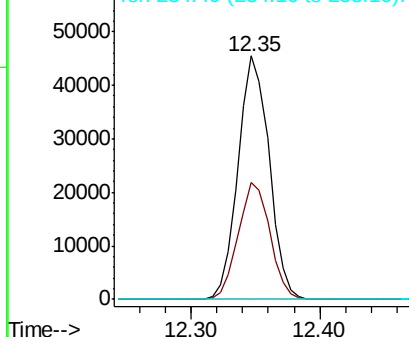
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

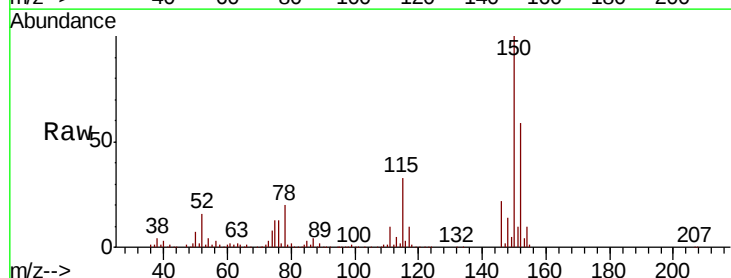
Tgt Ion:152 Resp: 190393

Ion Ratio Lower Upper

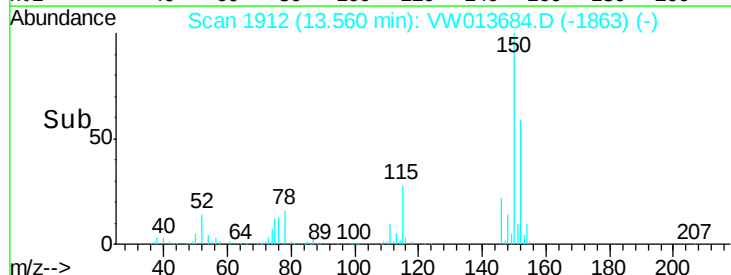
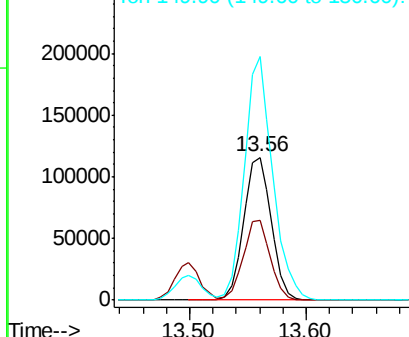
152 100

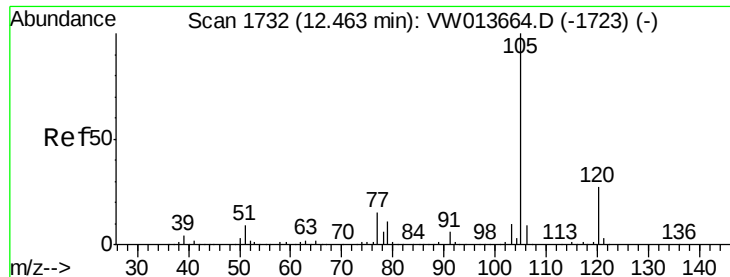
115 54.7 27.4 82.2

150 175.6 0.0 345.4



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





#73

Isopropylbenzene

Concen: 51.064 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 698189

Ion Ratio Lower Upper

105 100

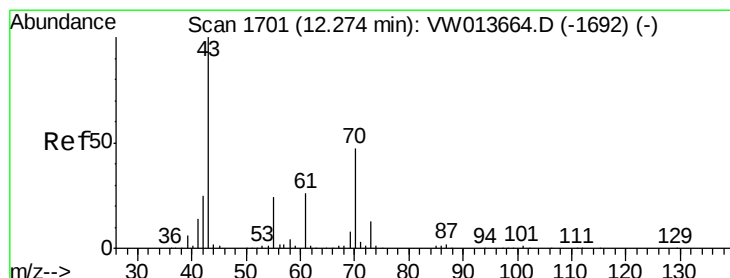
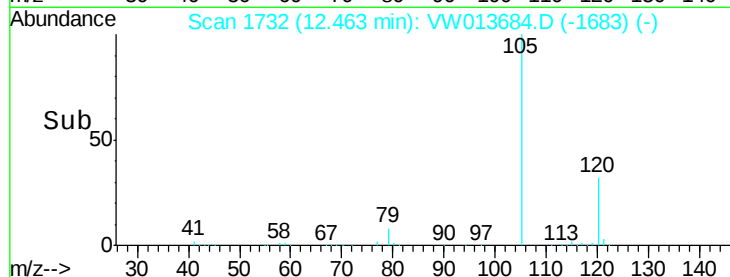
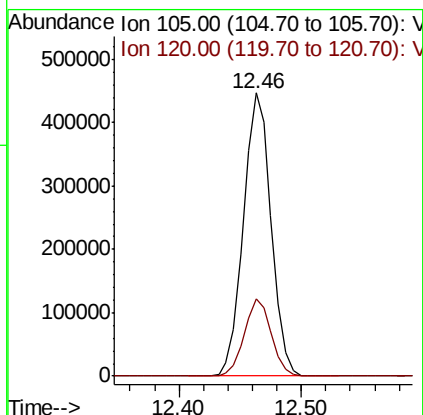
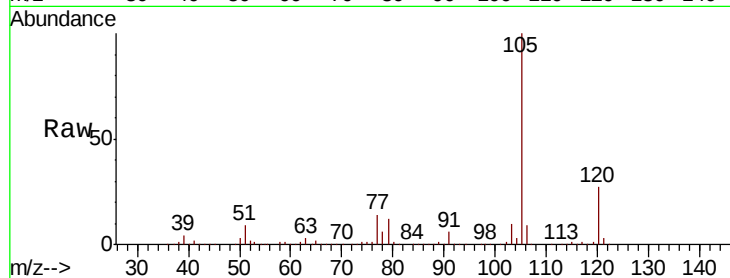
120 26.6 13.5 40.4

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#74

N-ethyl acetate

Concen: 55.315 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Tgt Ion: 43 Resp: 146303

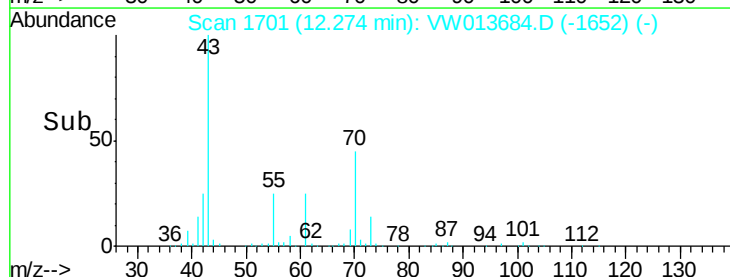
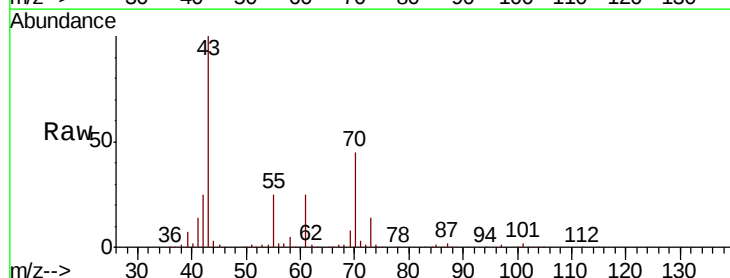
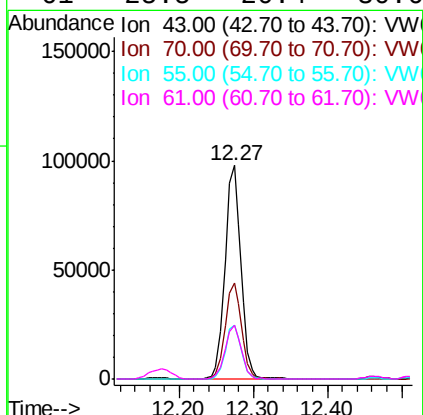
Ion Ratio Lower Upper

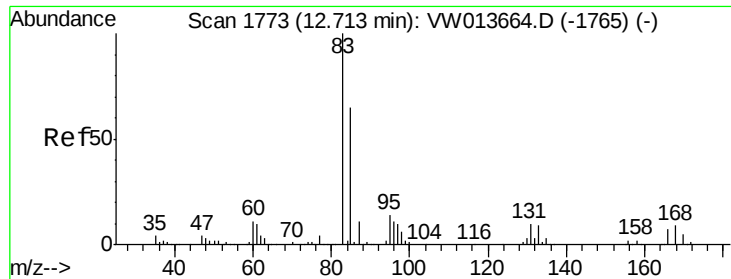
43 100

70 45.6 36.6 55.0

55 25.3 20.3 30.5

61 25.5 20.4 30.6





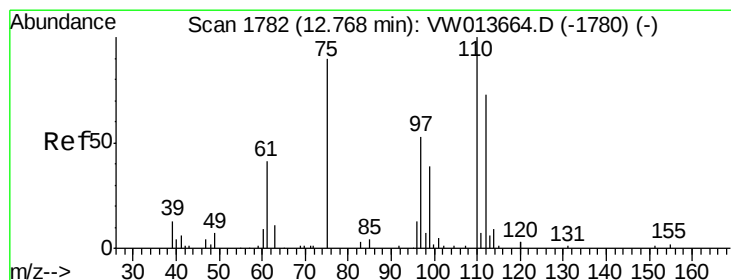
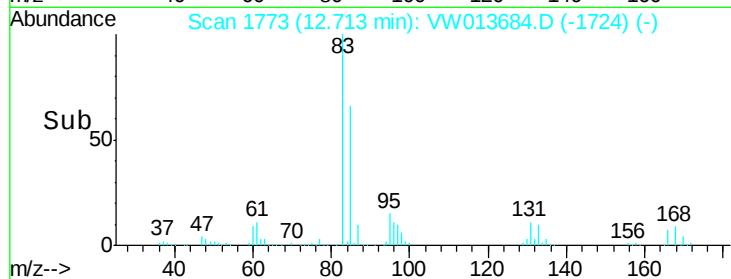
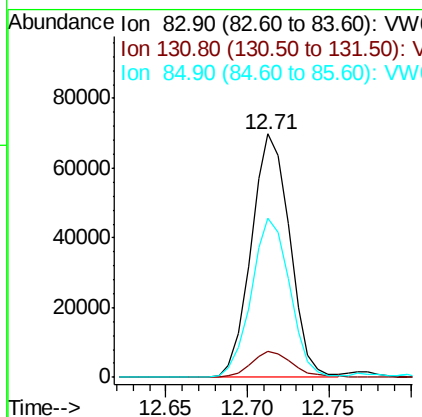
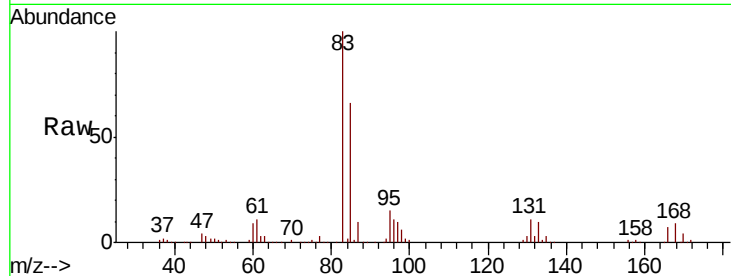
#75
 1,1,2,2-Tetrachloroethane
 Concen: 53.231 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.7	17.1
85	65.4	32.5	97.4

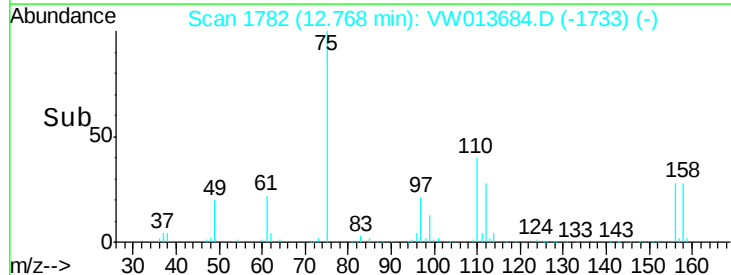
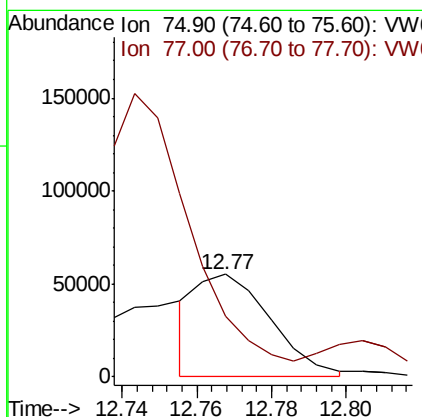
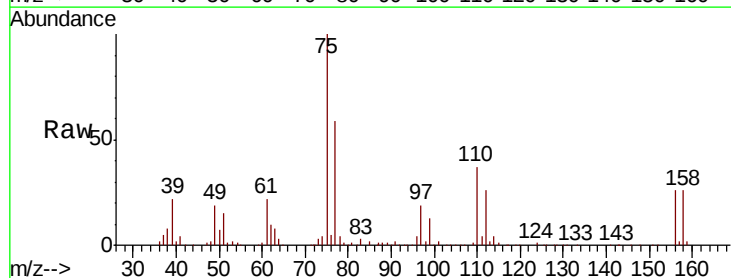
Manual Integrations
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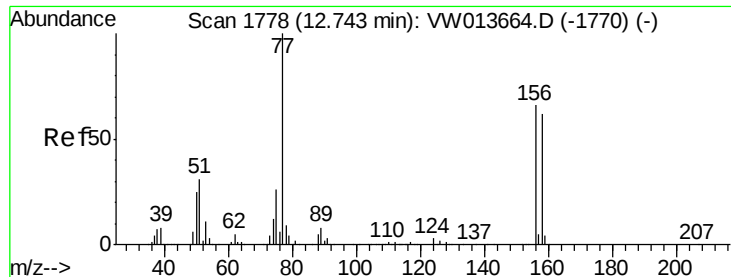
MMDadoda
 10/24/2019 1:26:22 PM



#76
 1,2,3-Trichloropropane
 Concen: 55.653 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.768 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

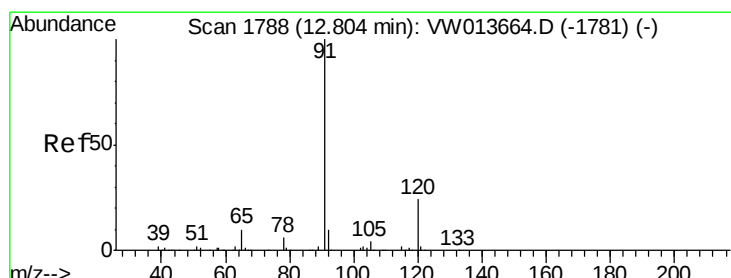
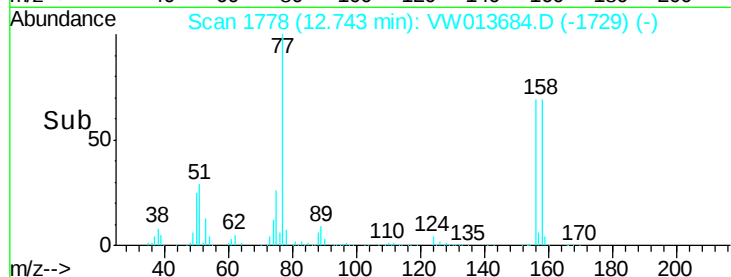
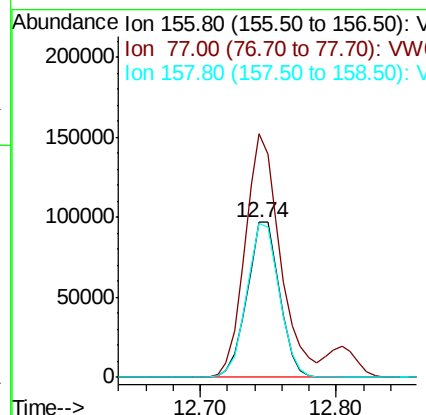
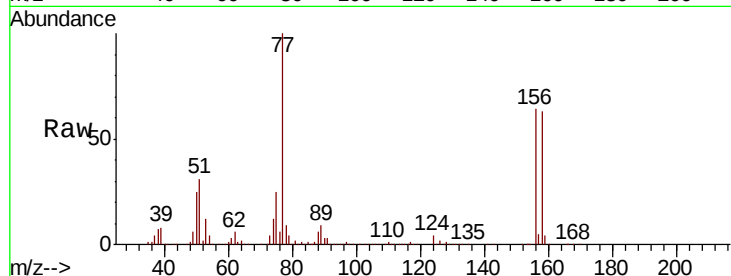
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	162555
Ion Ratio	Lower	Upper	
156	100		
77	169.3	82.9	248.7
158	98.9	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 50.280 ug/l

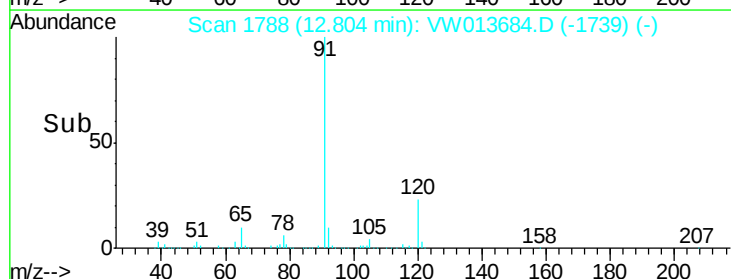
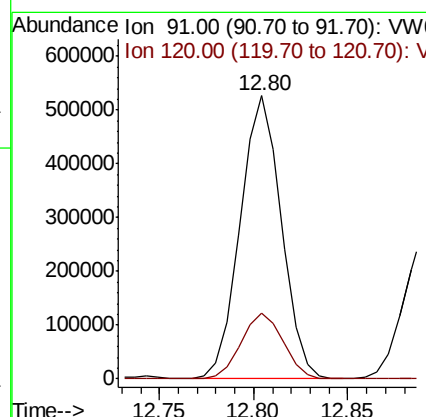
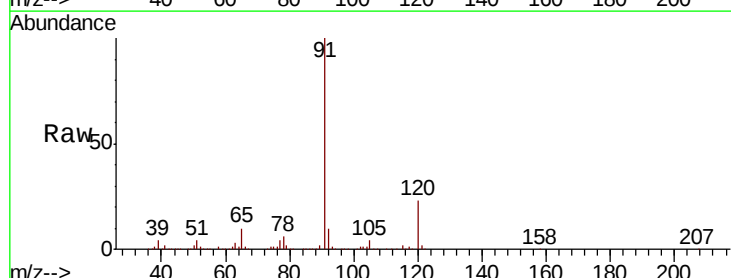
RT: 12.80 min Scan# 1788

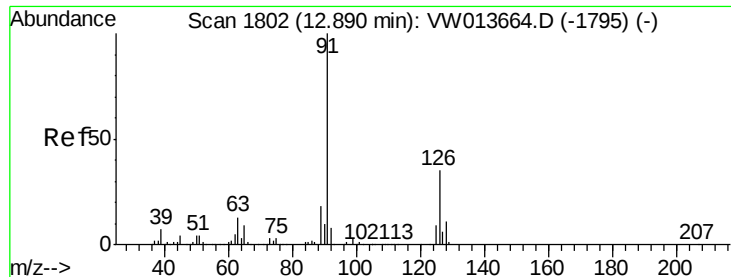
Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Tgt Ion:	91	Resp:	795694
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 50.670 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 450627

Ion Ratio Lower Upper

91 100

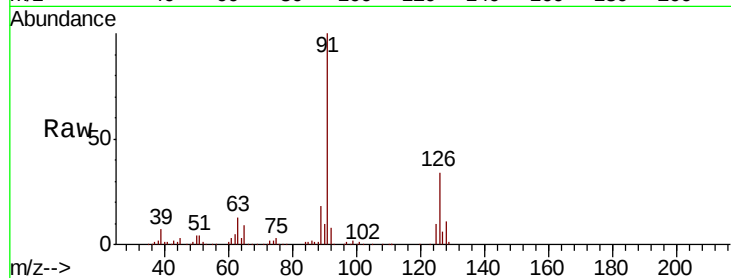
126 34.6 17.4 52.2

Manual Integrations

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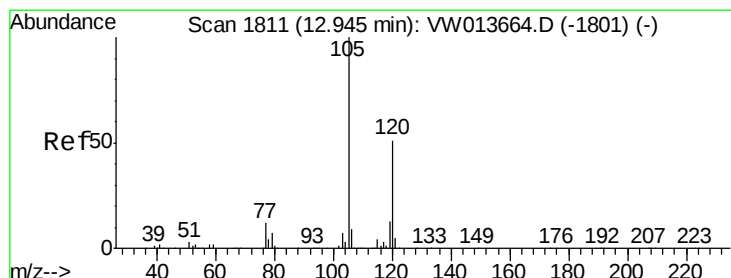
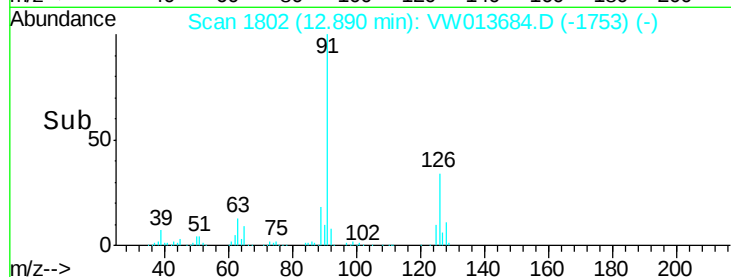
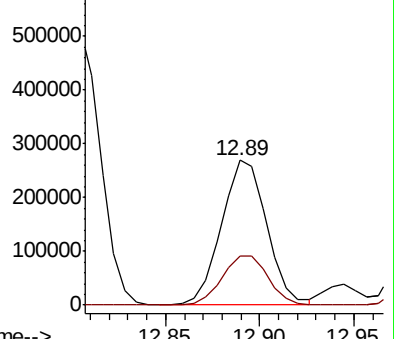
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.032 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013684.D

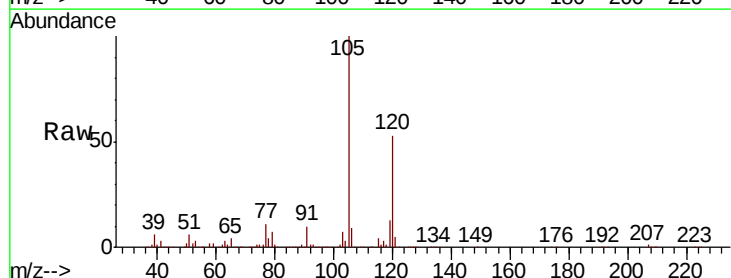
Acq: 23 Oct 2019 22:43

Tgt Ion:105 Resp: 577464

Ion Ratio Lower Upper

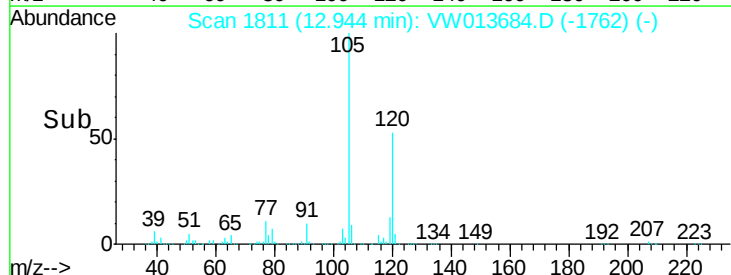
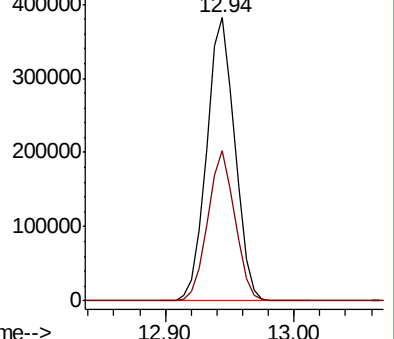
105 100

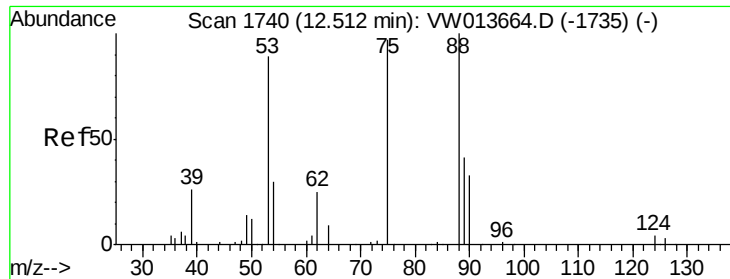
120 51.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





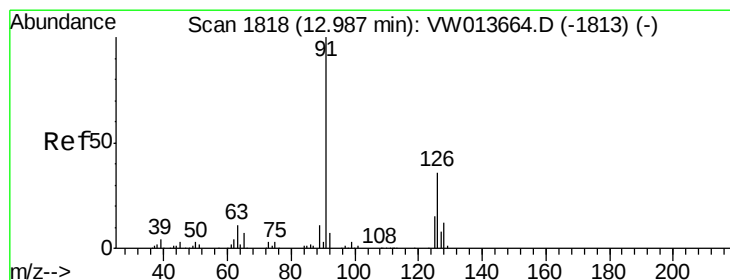
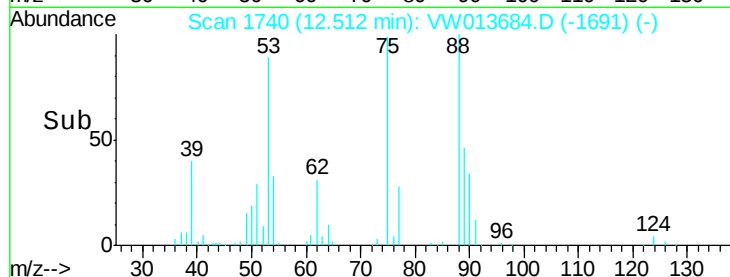
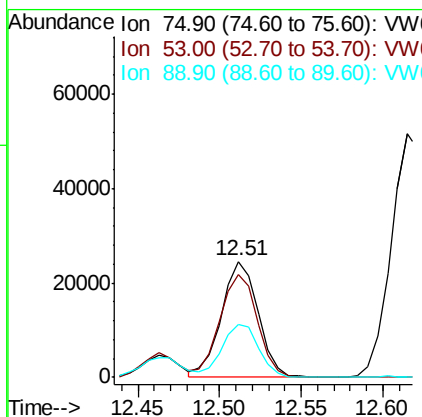
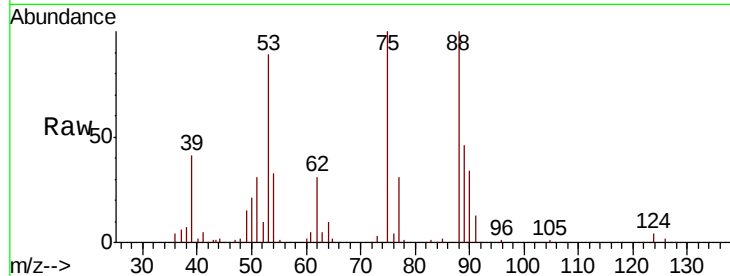
#81
trans-1,4-Dichloro-2-butene
Concen: 53.332 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	71.7	107.5
89	45.4	35.8	53.8

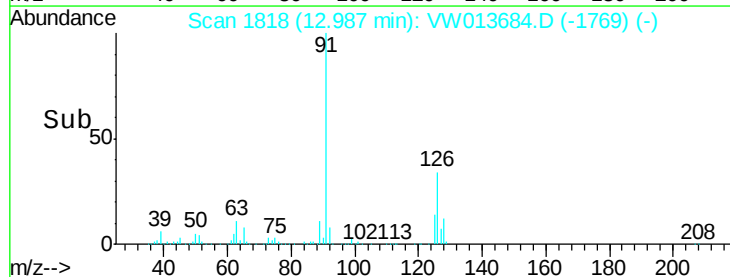
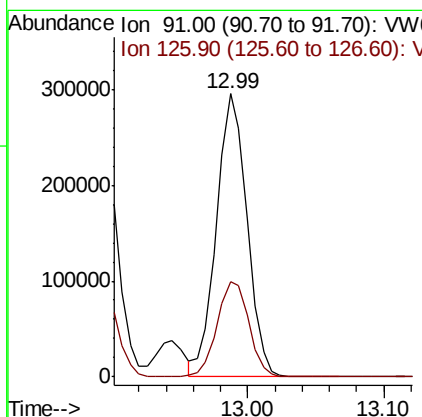
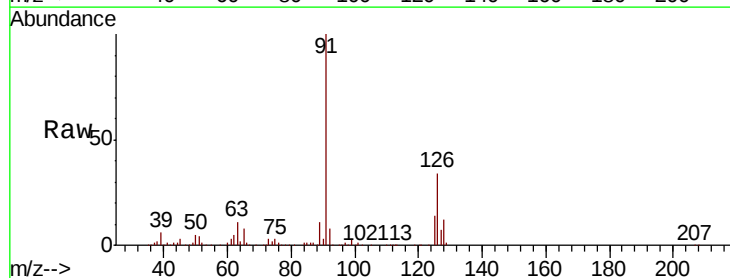
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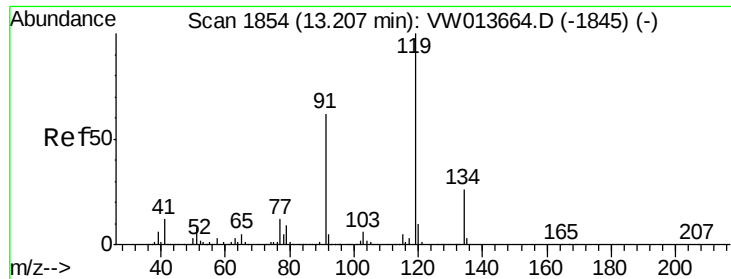
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#82
4-Chlorotoluene
Concen: 49.175 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.2	51.5





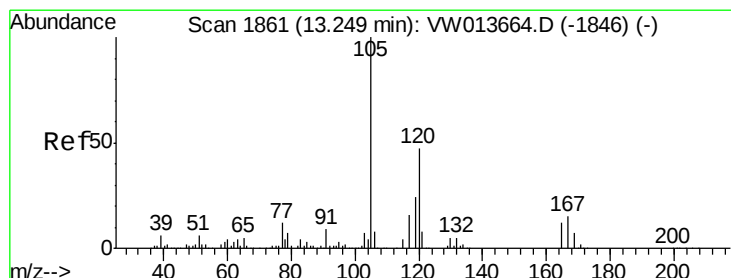
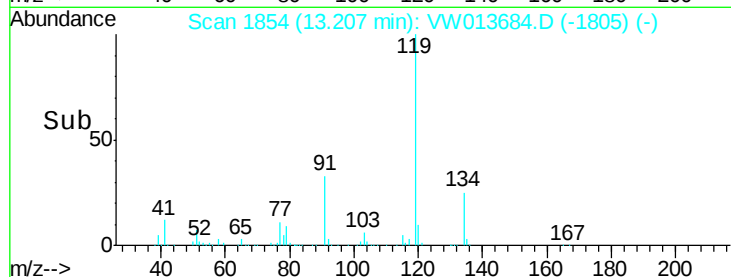
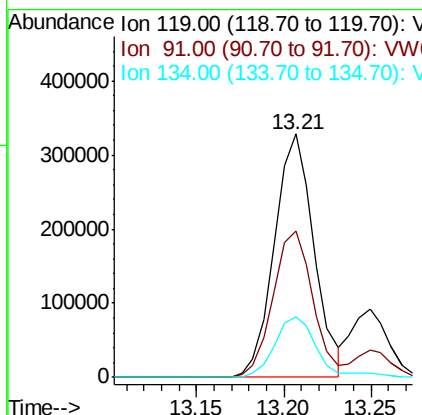
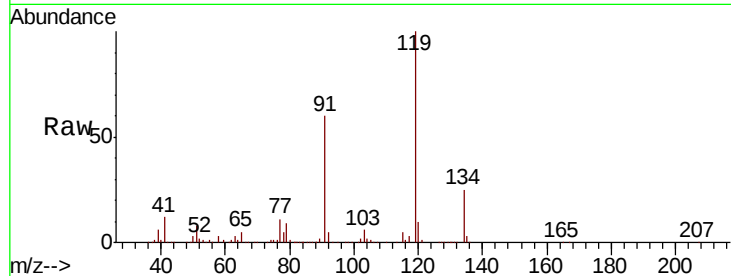
#83
tert-Butylbenzene
Concen: 50.609 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.4	91.3
134	27.0	13.6	40.8

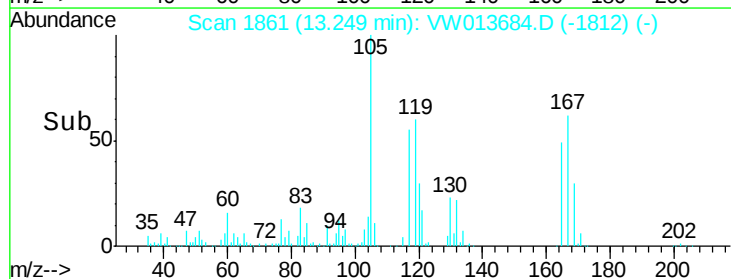
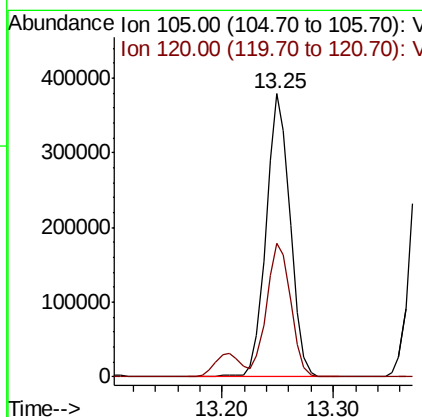
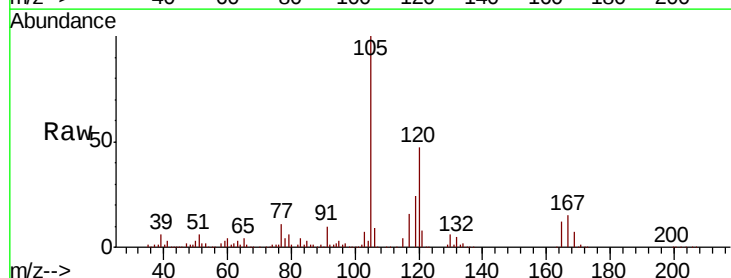
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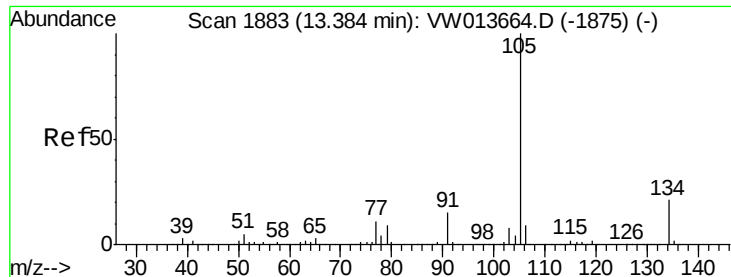
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#84
1,2,4-Trimethylbenzene
Concen: 50.172 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.5	70.5





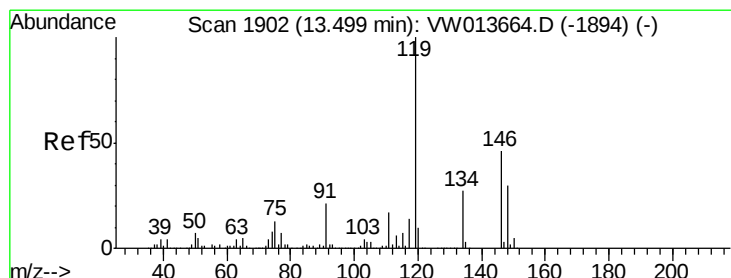
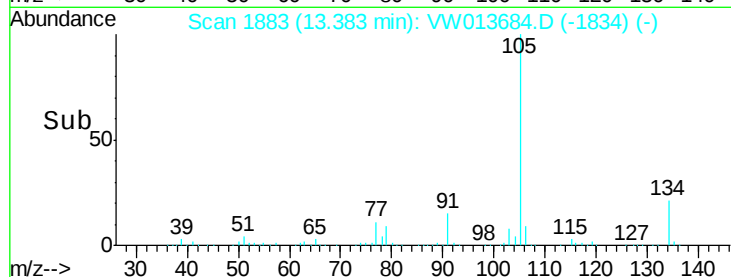
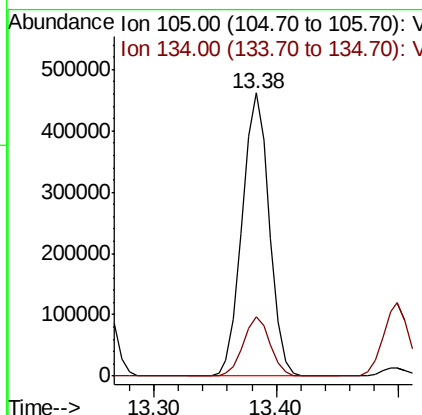
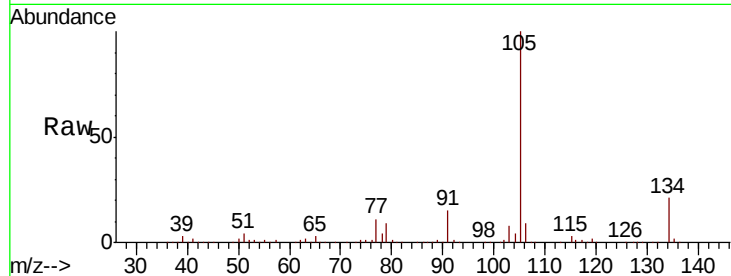
#85
 sec-Butylbenzene
 Concen: 50.646 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 709556
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.5 31.5

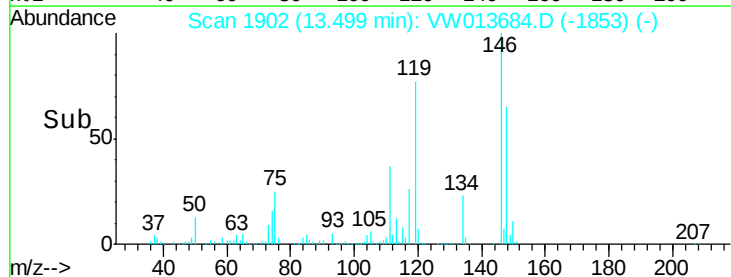
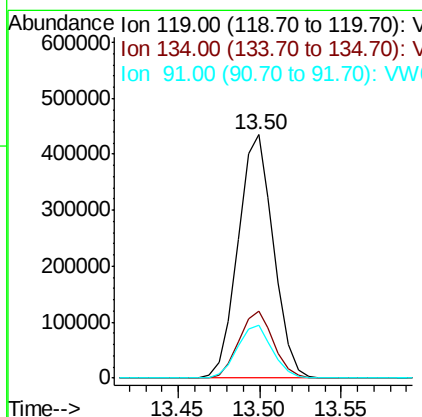
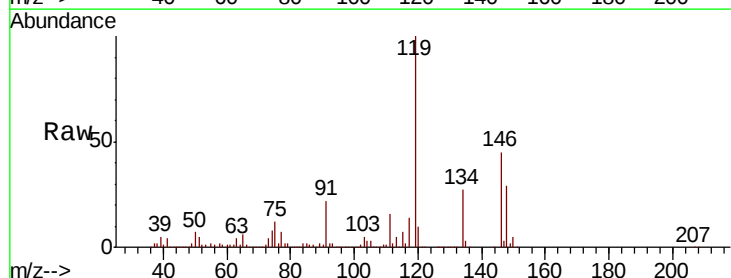
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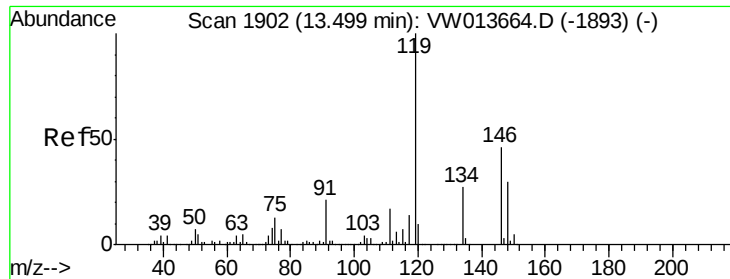
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#86
 p-Isopropyltoluene
 Concen: 50.166 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion:119 Resp: 654688
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 21.4 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 49.503 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

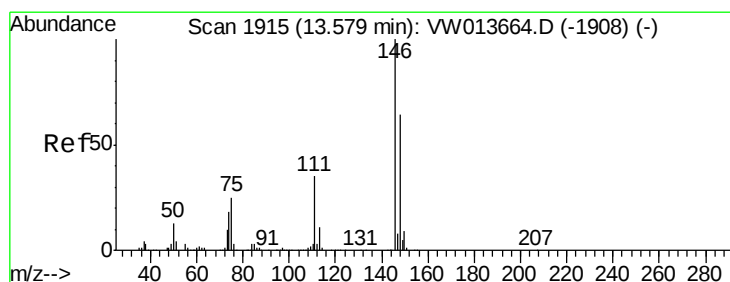
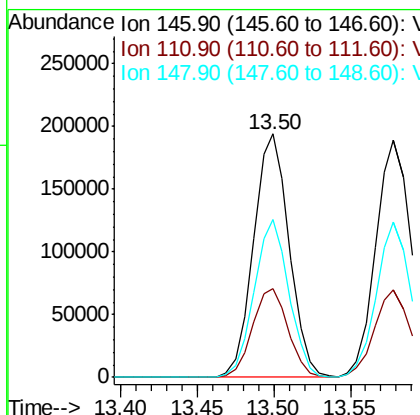
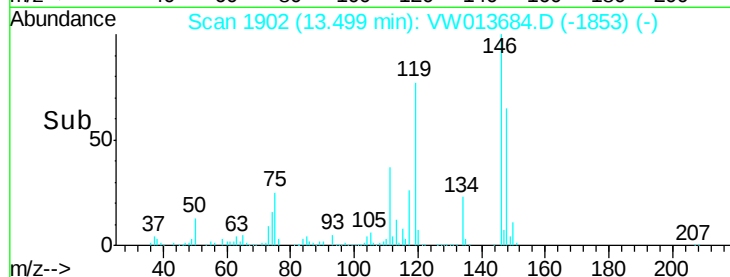
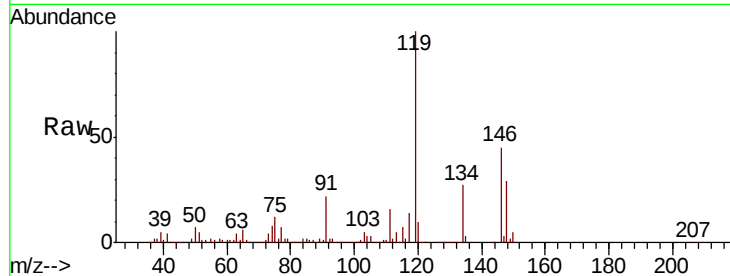
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	56.0
148	63.5	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.446 ug/l

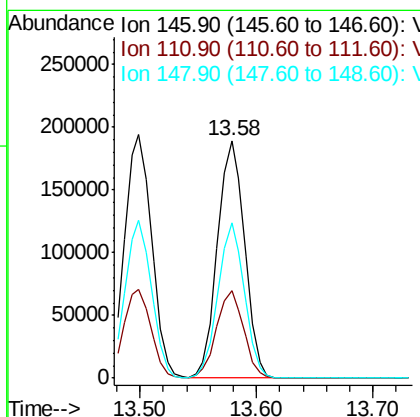
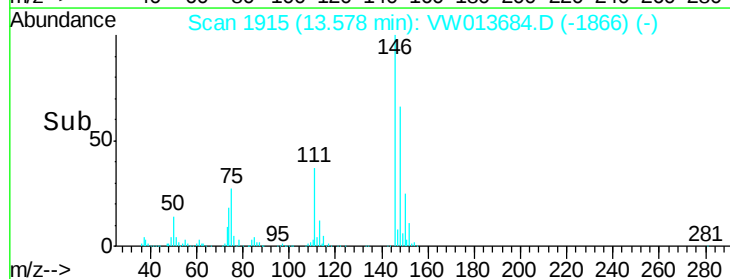
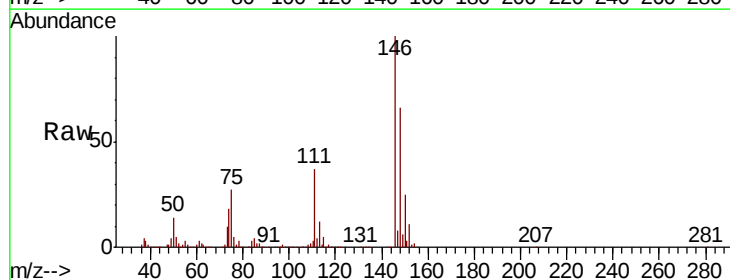
RT: 13.58 min Scan# 1915

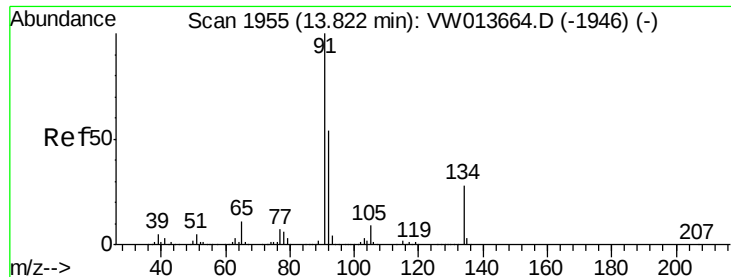
Delta R.T. -0.00 min

Lab File: VW013684.D

Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.3
148	63.6	32.0	96.2





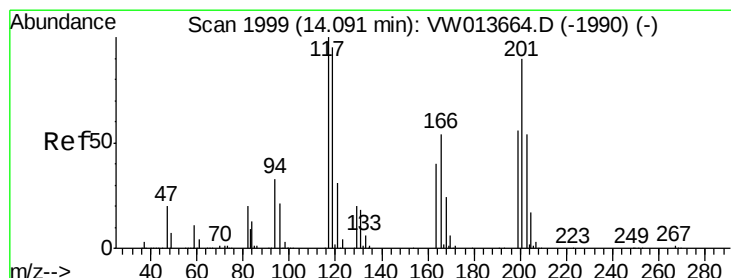
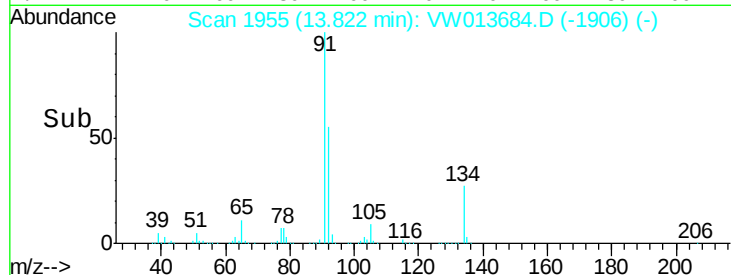
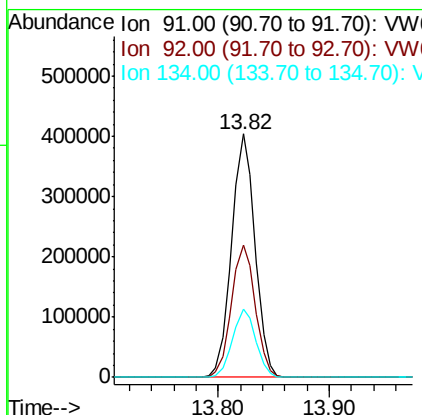
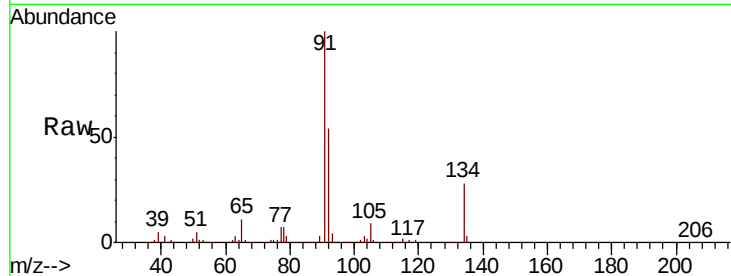
#89
n-Butylbenzene
Concen: 49.915 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.5	82.4
134	28.1	14.0	41.9

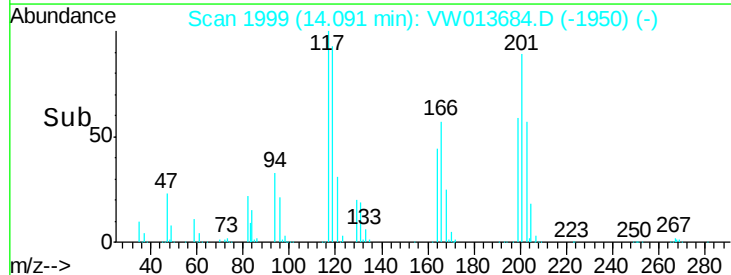
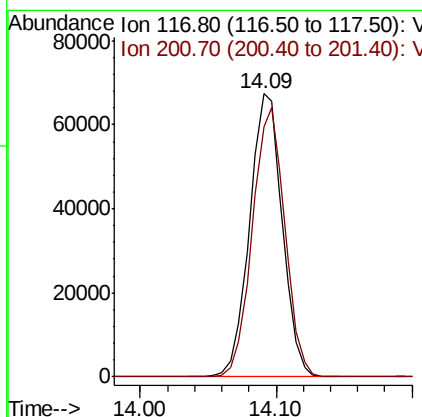
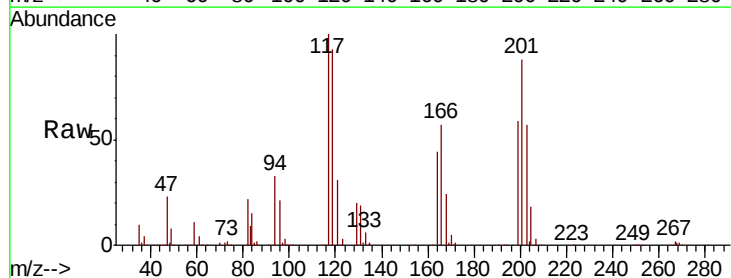
Manual Integrations
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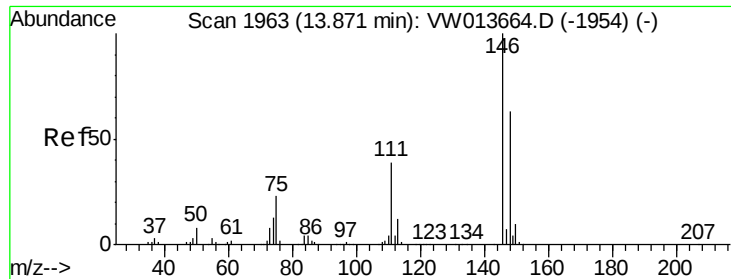
MMDadoda
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#90
Hexachloroethane
Concen: 50.107 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.4	46.1	138.2





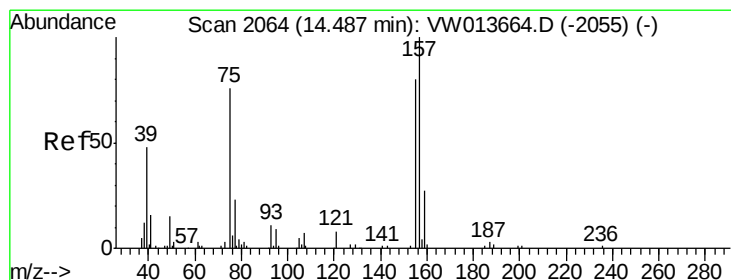
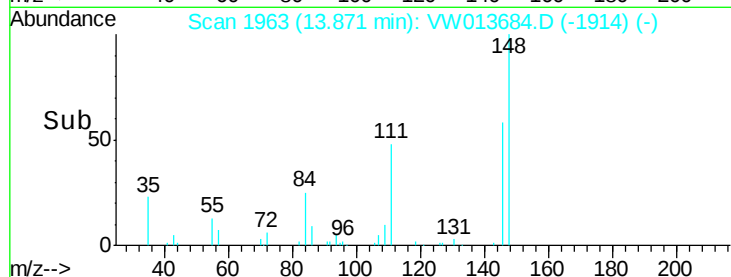
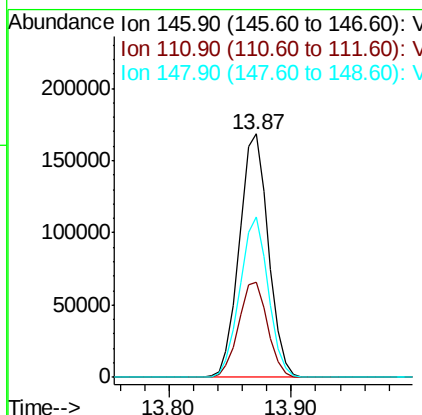
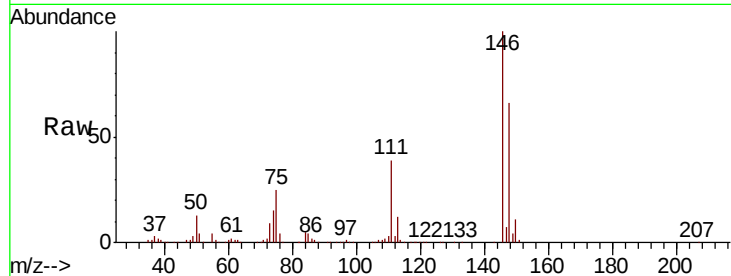
#91
 1,2-Dichlorobenzene
 Concen: 50.303 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	64.5	31.9	95.9

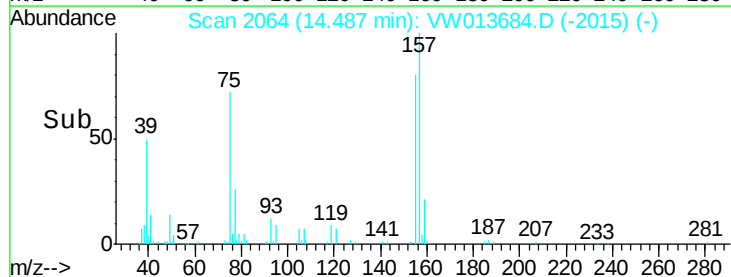
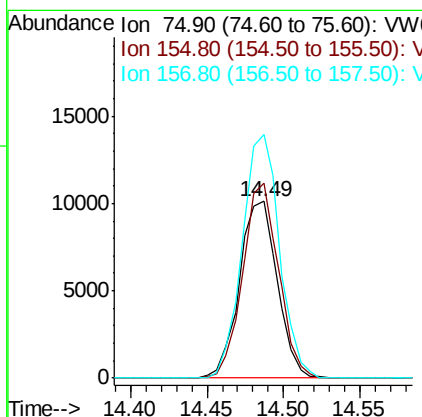
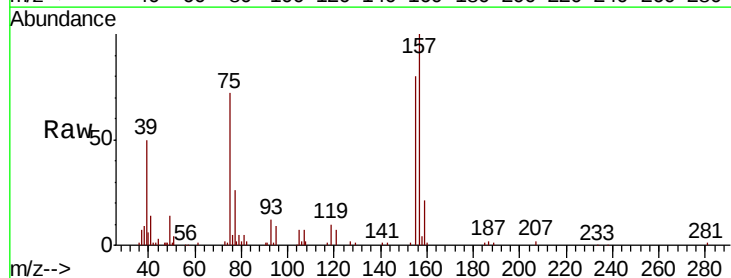
Manual Integrations
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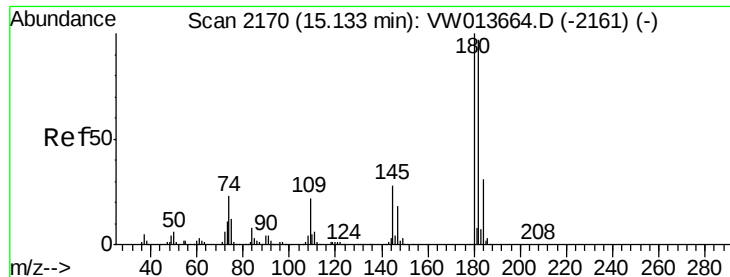
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.484 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.0	51.9	155.7
157	134.8	64.8	194.3





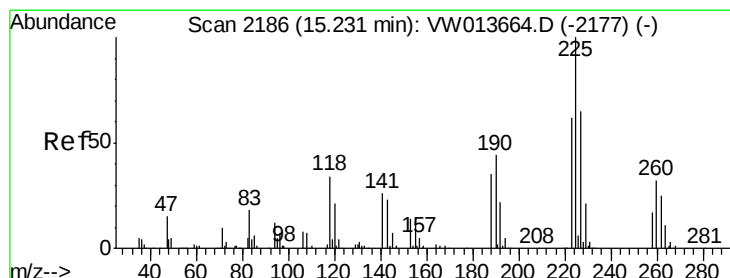
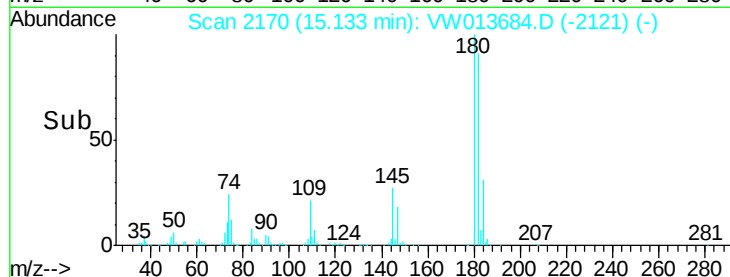
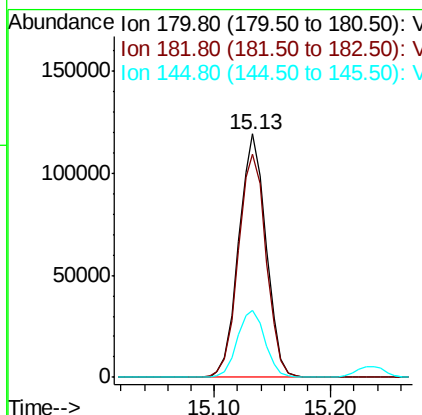
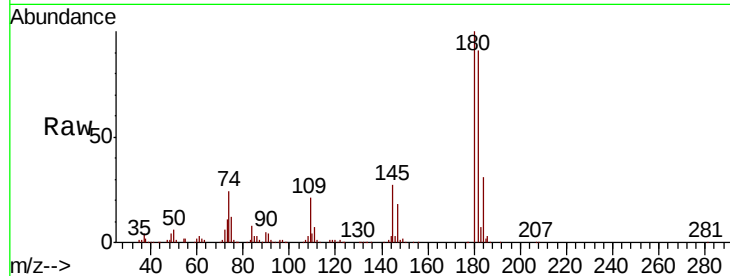
#93
 1,2,4-Trichlorobenzene
 Concen: 48.864 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	195130		
182	93.6	47.4	142.2	
145	28.0	14.1	42.3	

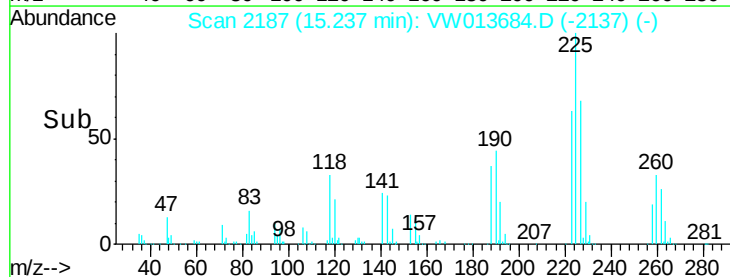
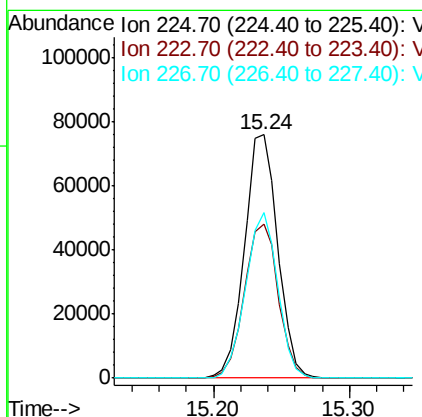
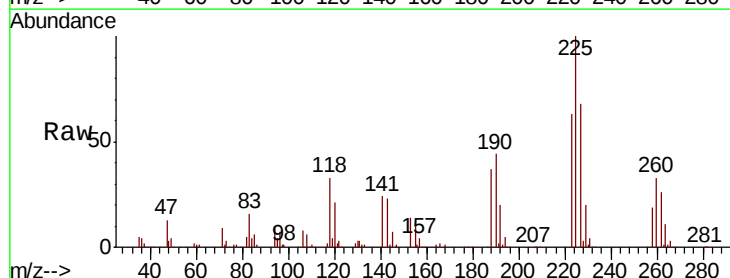
Manual Integrations
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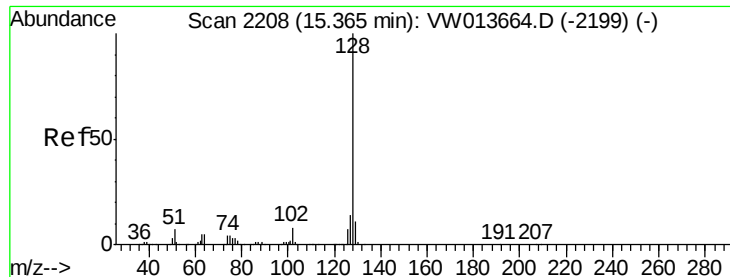
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#94
 Hexachlorobutadiene
 Concen: 48.206 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013684.D
 Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129957		
223	64.6	31.9	95.9	
227	65.8	32.5	97.4	





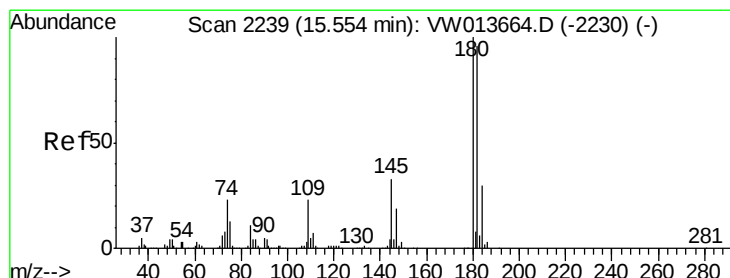
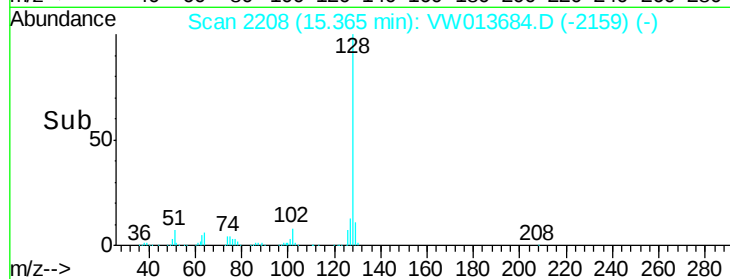
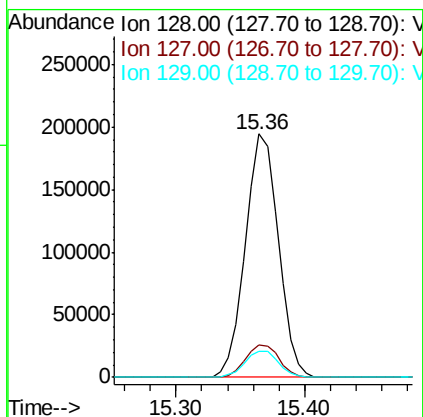
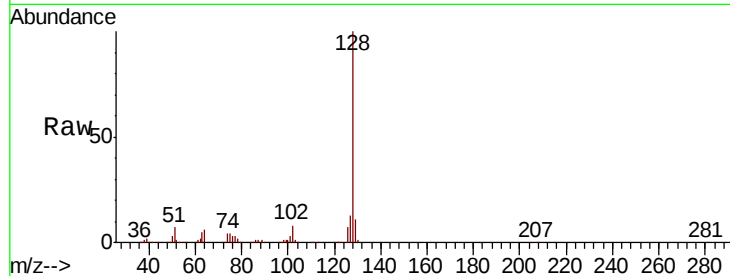
#95
Naphthalene
Concen: 54.819 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.968 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013684.D
Acq: 23 Oct 2019 22:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	29.0	14.9	44.9

