

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:40 AM

Quant Time: Sep 20 15:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	335814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	427372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	216312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	15396	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	
35) Dibromofluoromethane	7.88	113	15106	5.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.36%	
50) Toluene-d8	10.32	98	62695	5.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.94%	
62) 4-Bromofluorobenzene	12.62	95	21761	5.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.58%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	10431	6.862	ug/l 100
3) Chloromethane	2.21	50	15149	7.820	ug/l 95
4) Vinyl Chloride	2.35	62	18559	7.330	ug/l 94
5) Bromomethane	2.77	94	11704	7.451	ug/l 97
6) Chloroethane	2.92	64	10645	6.891	ug/l 100
7) Trichlorofluoromethane	3.26	101	9351	5.505	ug/l 93
8) Diethyl Ether	3.68	74	8869	6.533	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	16543	6.302	ug/l 98
10) Methyl Iodide	4.27	142	25543	7.442	ug/l 98
11) Tert butyl alcohol	5.20	59	7946m	33.787	ug/l
12) 1,1-Dichloroethene	4.04	96	17111	6.993	ug/l 89
13) Acrolein	3.89	56	2977	13.975	ug/l 97
14) Allyl chloride	4.67	41	26720	5.955	ug/l 98
15) Acrylonitrile	5.38	53	17691	26.469	ug/l 97
16) Acetone	4.13	43	17531	24.636	ug/l 95
17) Carbon Disulfide	4.38	76	47600	8.835	ug/l 100
18) Methyl Acetate	4.68	43	9635	5.483	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	26068	5.680	ug/l 94
20) Methylene Chloride	4.91	84	23476	7.787	ug/l 95
21) trans-1,2-Dichloroethene	5.42	96	18731	7.125	ug/l 94
22) Diisopropyl ether	6.31	45	50372	5.488	ug/l 91
23) Vinyl Acetate	6.25	43	140041	25.661	ug/l 99
24) 1,1-Dichloroethane	6.21	63	30643	5.732	ug/l 99
25) 2-Butanone	7.18	43	25381	26.282	ug/l 99
26) 2,2-Dichloropropane	7.16	77	24802	6.646	ug/l 92
27) cis-1,2-Dichloroethene	7.17	96	19335	6.284	ug/l 90
28) Bromochloromethane	7.52	49	11261	5.028	ug/l 98
29) Tetrahydrofuran	7.53	42	14195	25.454	ug/l 99
30) Chloroform	7.68	83	31886	5.939	ug/l 96
31) Cyclohexane	7.95	56	35794	7.540	ug/l # 76
32) 1,1,1-Trichloroethane	7.87	97	25050	5.657	ug/l 99
36) 1,1-Dichloropropene	8.08	75	25922	6.387	ug/l 97
37) Ethyl Acetate	7.26	43	10323	4.999	ug/l # 89
38) Carbon Tetrachloride	8.06	117	22349	5.494	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	32192	6.958	ug/l	94
40) Benzene	8.32	78	71751	6.332	ug/l	95
41) Methacrylonitrile	7.48	41	5981	4.445	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19427	5.319	ug/l	98
43) Isopropyl Acetate	8.43	43	19140	4.843	ug/l	95
44) Trichloroethene	9.09	130	20532	6.571	ug/l	89
45) 1,2-Dichloropropane	9.37	63	17783	6.017	ug/l	100
46) Dibromomethane	9.46	93	8468	5.966	ug/l	98
47) Bromodichloromethane	9.64	83	21209	5.419	ug/l	95
48) Methyl methacrylate	9.43	41	8196	4.409	ug/l	91
49) 1,4-Dioxane	9.47	88	2359	103.749	ug/l #	53
51) 4-Methyl-2-Pentanone	10.21	43	48007	23.627	ug/l	99
52) Toluene	10.38	92	46016	6.385	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	19852	5.017	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	25216	5.519	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	12466	5.785	ug/l	96
56) Ethyl methacrylate	10.65	69	13711	4.755	ug/l	90
57) 1,3-Dichloropropane	10.93	76	22084	5.792	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	35033	22.966	ug/l	98
59) 2-Hexanone	10.97	43	30816	21.896	ug/l	100
60) Dibromochloromethane	11.13	129	13377	5.197	ug/l	100
61) 1,2-Dibromoethane	11.23	107	11789	5.978	ug/l	99
64) Tetrachloroethene	10.86	164	17698	6.664	ug/l	94
65) Chlorobenzene	11.66	112	49060	6.283	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	15710	5.359	ug/l	97
67) Ethyl Benzene	11.73	91	84656	5.893	ug/l	100
68) m/p-Xylenes	11.84	106	64190	12.126	ug/l	97
69) o-Xylene	12.16	106	29947	6.051	ug/l	99
70) Styrene	12.18	104	50080	5.710	ug/l	100
71) Bromoform	12.35	173	7737	5.051	ug/l #	95
73) Isopropylbenzene	12.46	105	81858	5.620	ug/l	99
74) N-amyl acetate	12.27	43	16697	4.572	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	14141	5.616	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10765m	5.705	ug/l	
77) Bromobenzene	12.75	156	19907	5.866	ug/l	99
78) n-propylbenzene	12.80	91	96757	5.651	ug/l	98
79) 2-Chlorotoluene	12.89	91	55397	5.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	69583	5.639	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3658	4.386	ug/l	93
82) 4-Chlorotoluene	12.99	91	58821	5.713	ug/l	97
83) tert-Butylbenzene	13.21	119	60769	5.532	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	69038	5.665	ug/l	99
85) sec-Butylbenzene	13.38	105	85205	5.675	ug/l	99
86) p-Isopropyltoluene	13.50	119	78484	5.685	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39086	5.866	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	38190	5.846	ug/l	94
89) n-Butylbenzene	13.82	91	71009	5.483	ug/l	98
90) Hexachloroethane	14.10	117	12546	5.111	ug/l	95
91) 1,2-Dichlorobenzene	13.86	146	33176	5.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1886	4.164	ug/l	95

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VSTDICC005

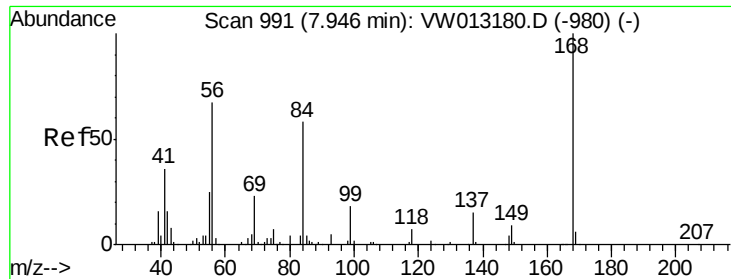
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	21061	5.043	ug/l	100
94) Hexachlorobutadiene	15.23	225	16777	5.703	ug/l	98
95) Naphthalene	15.36	128	30972	4.473	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	19002	5.164	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 335814

Ion Ratio Lower Upper

168 100

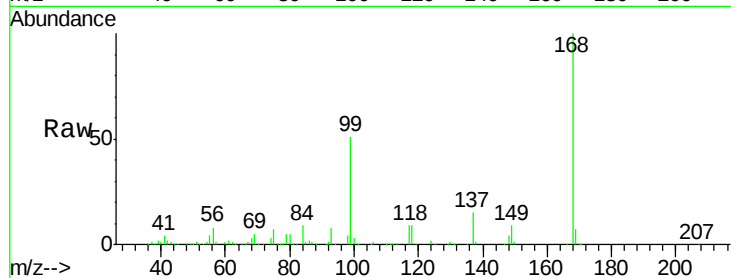
99 50.9 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

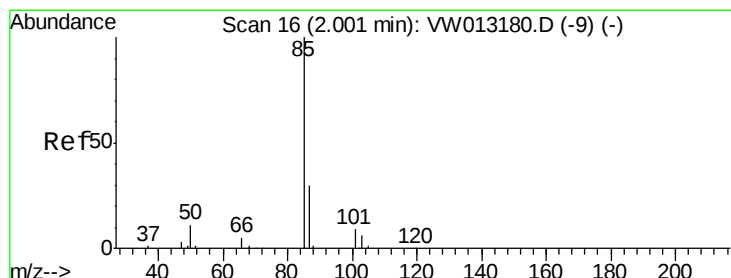
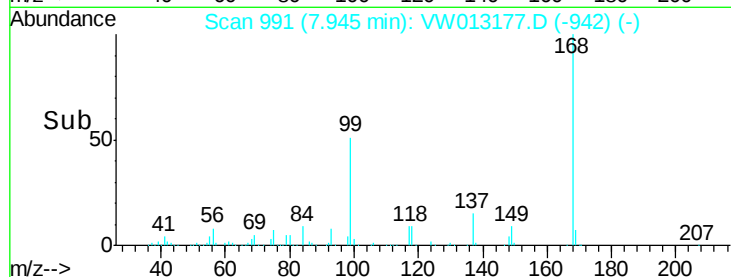
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 6.862 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013177.D

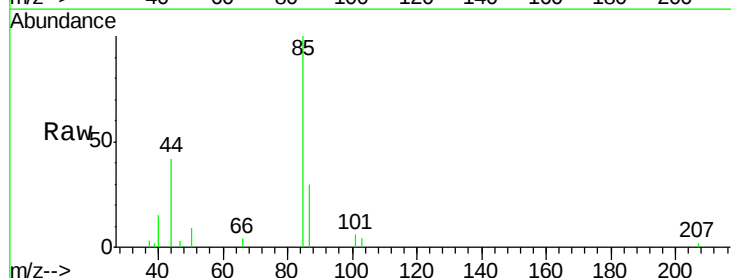
Acq: 20 Sep 2019 12:43

Tgt Ion: 85 Resp: 10431

Ion Ratio Lower Upper

85 100

87 30.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

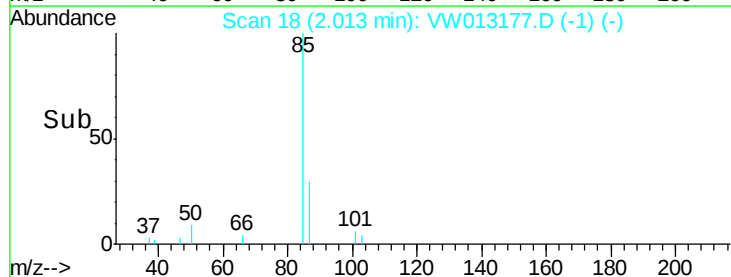
3000

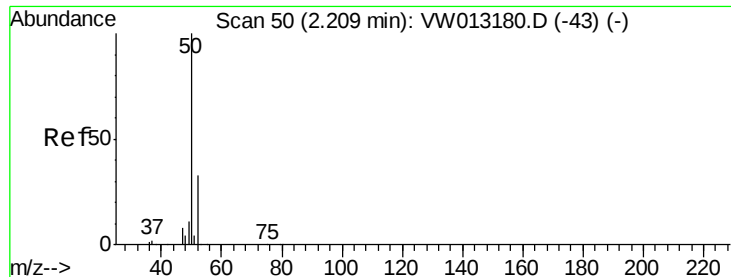
2000

1000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 7.820 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 15149

Ion Ratio Lower Upper

50 100

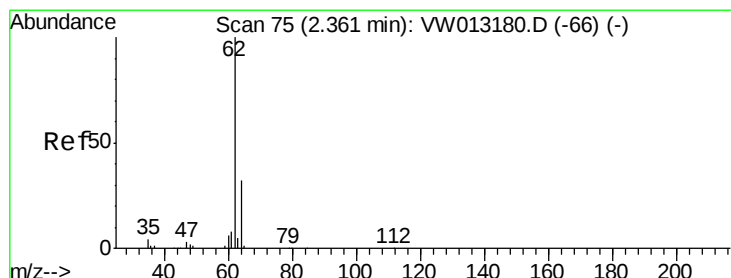
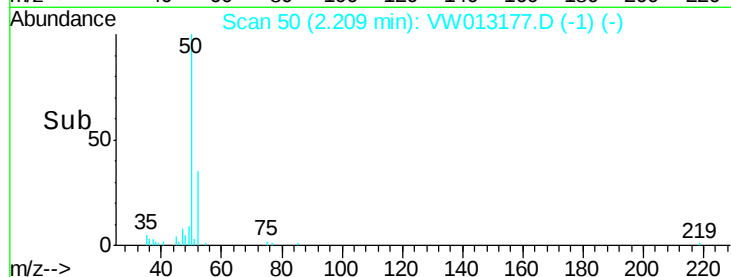
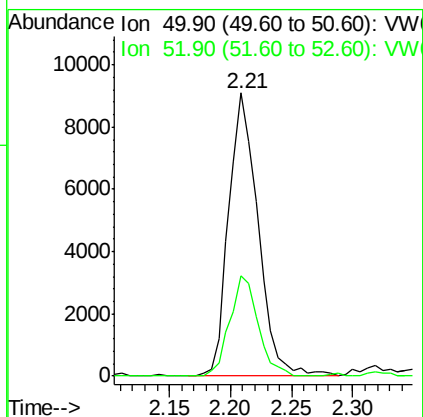
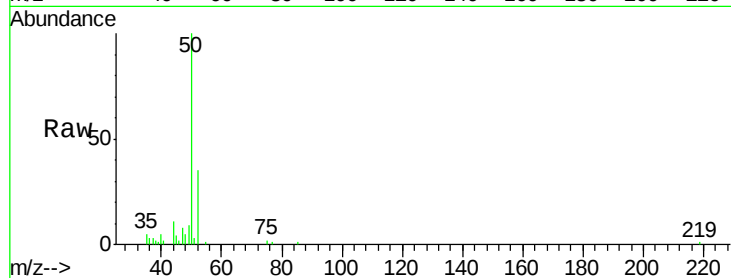
52 35.3 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 7.330 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013177.D

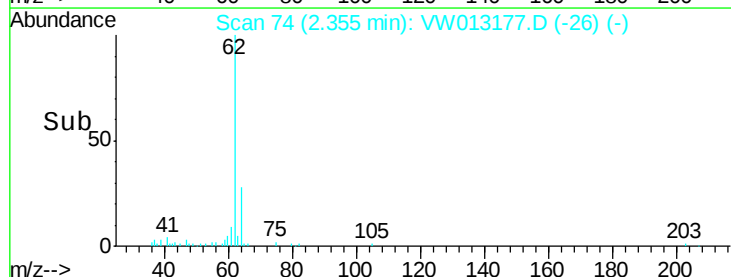
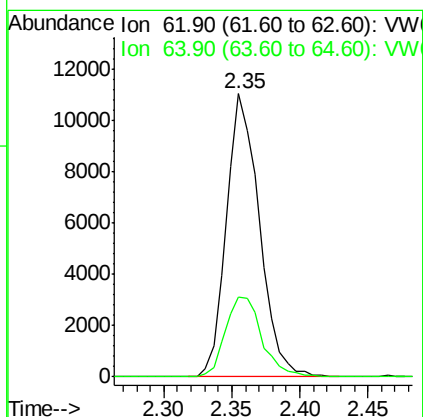
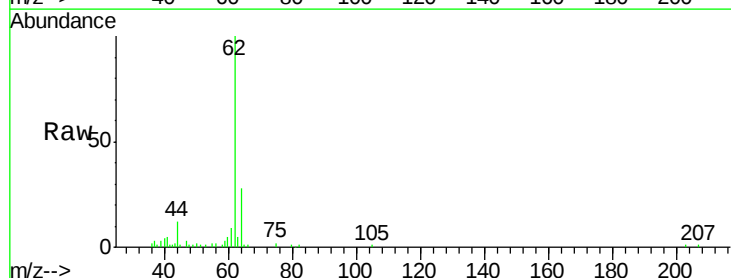
Acq: 20 Sep 2019 12:43

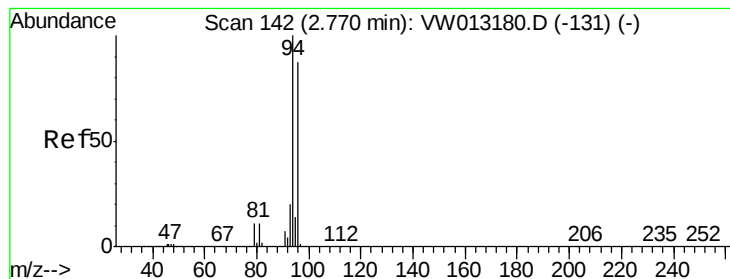
Tgt Ion: 62 Resp: 18559

Ion Ratio Lower Upper

62 100

64 28.3 25.3 37.9





#5

Bromomethane

Concen: 7.451 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 11704

Ion Ratio Lower Upper

94 100

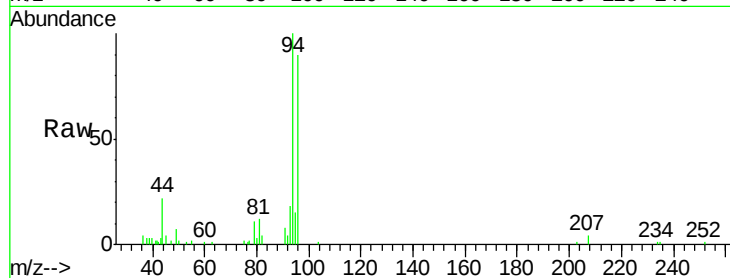
96 89.9 69.7 104.5

Manual Integrations

APPROVED

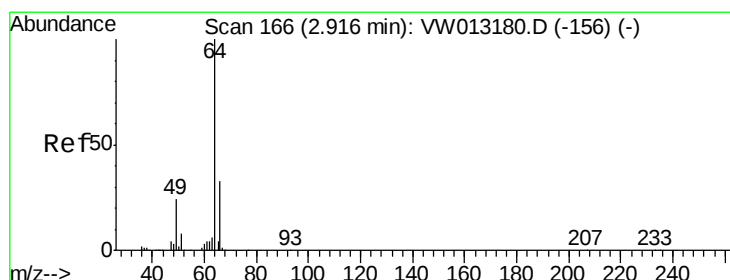
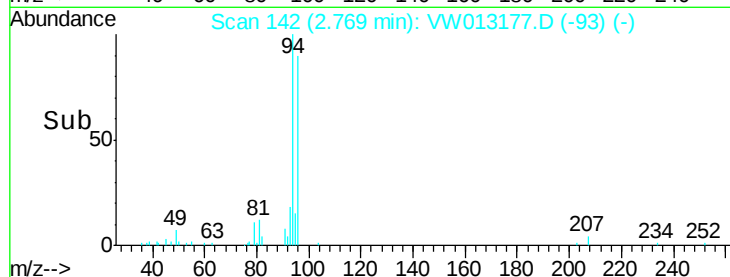
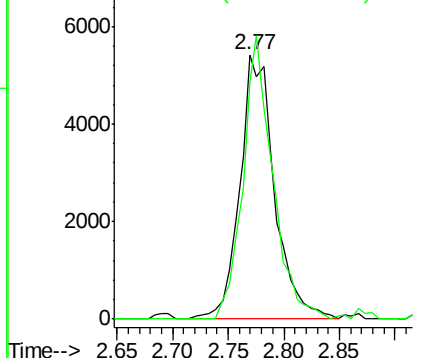
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 6.891 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013177.D

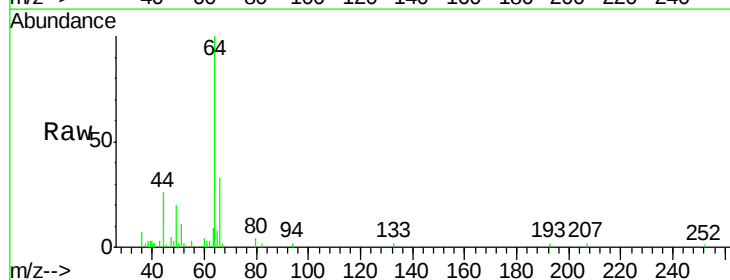
Acq: 20 Sep 2019 12:43

Tgt Ion: 64 Resp: 10645

Ion Ratio Lower Upper

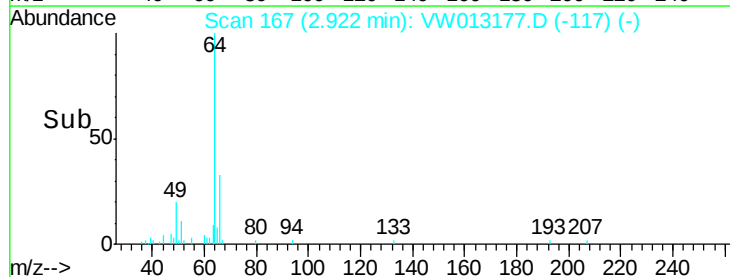
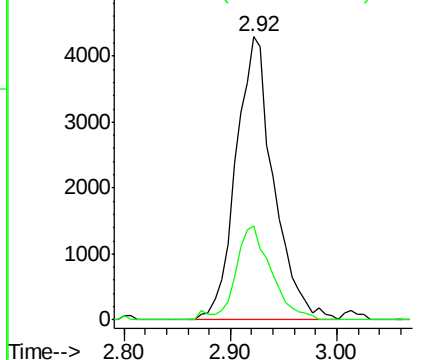
64 100

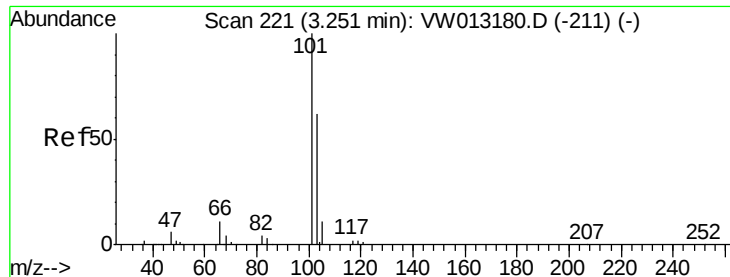
66 33.2 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

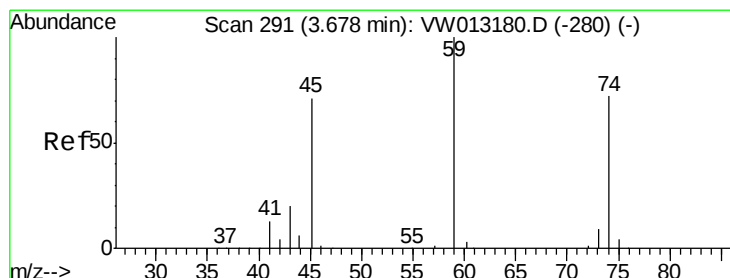
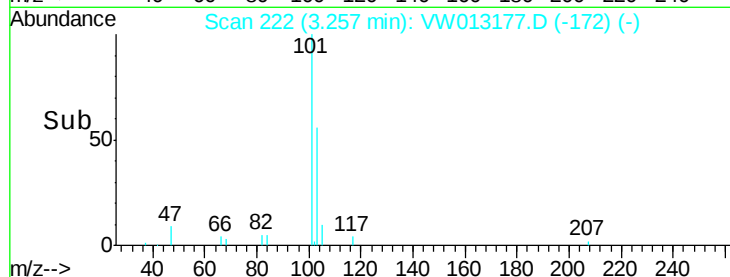
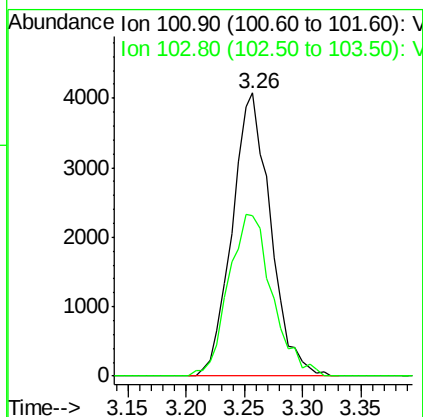
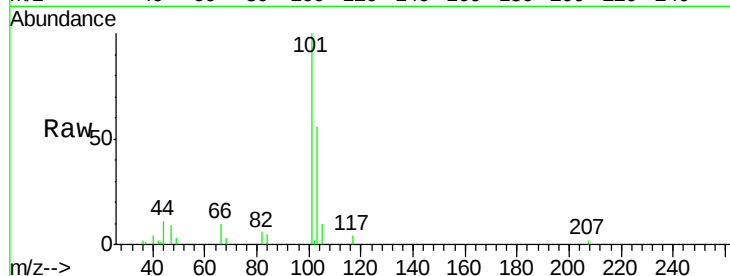
Trichlorofluoromethane
Concen: 5.505 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	56.5	49.7	74.5

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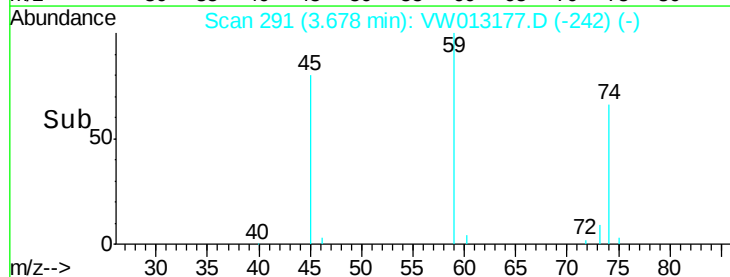
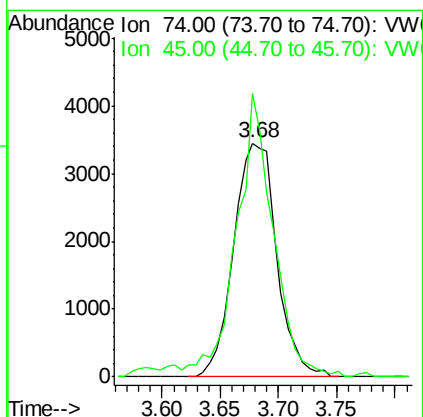
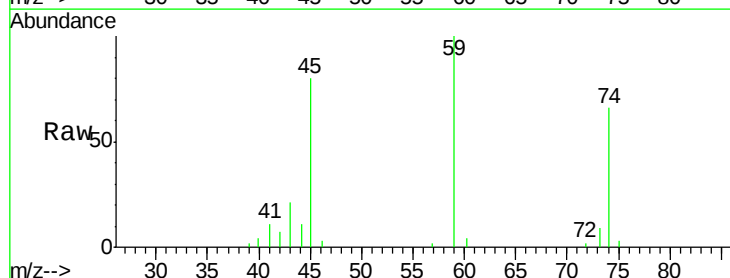
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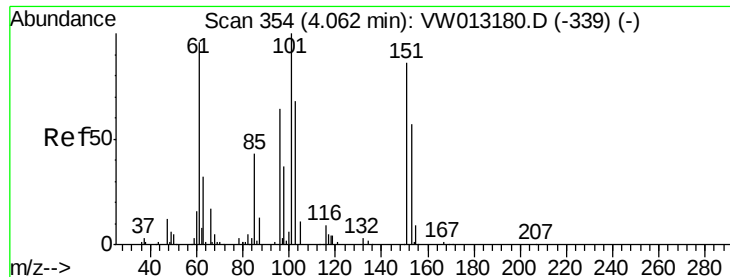


#8

Diethyl Ether
Concen: 6.533 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.302 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

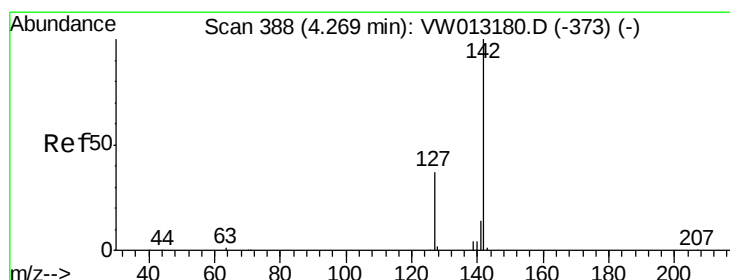
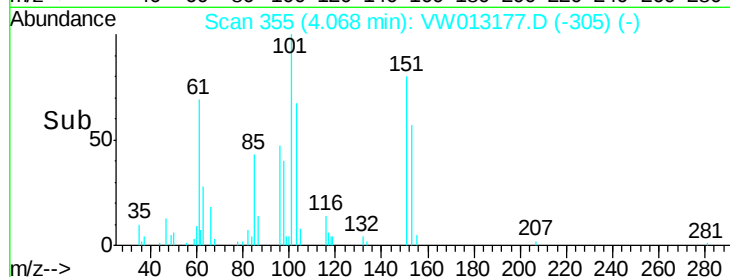
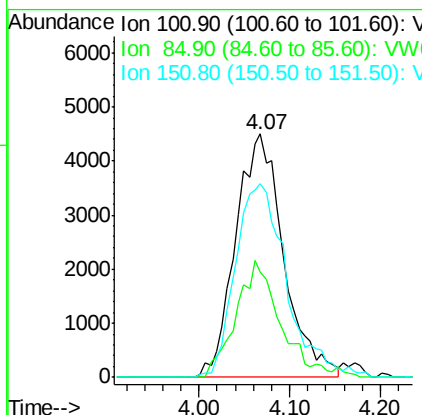
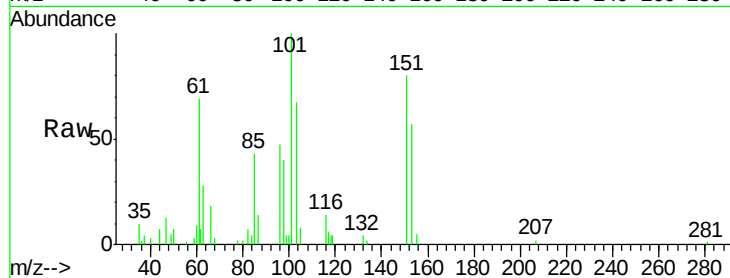
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	16543
Ion Ratio	Lower	Upper	
101	100		
85	43.9	33.4	50.0
151	84.7	66.9	100.3

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#10

Methyl Iodide

Concen: 7.442 ug/l

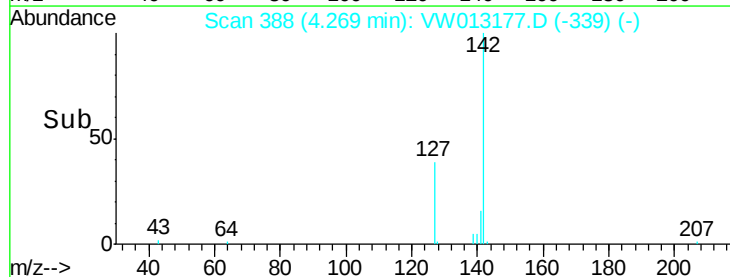
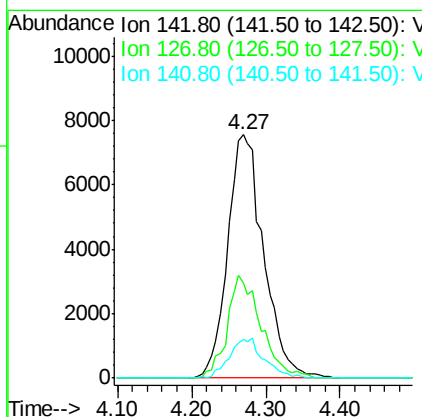
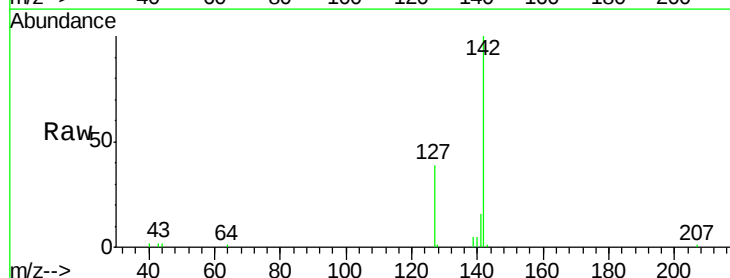
RT: 4.27 min Scan# 388

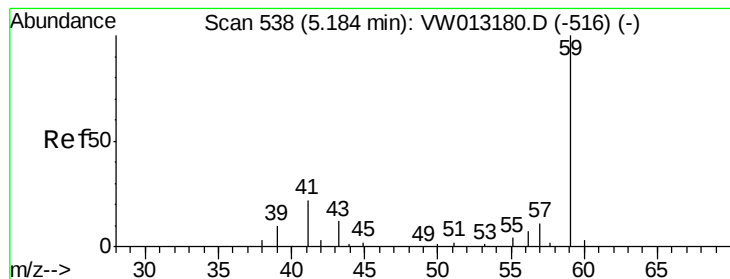
Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion:	142	Resp:	25543
Ion Ratio	Lower	Upper	
142	100		
127	39.5	30.9	46.3
141	15.7	11.7	17.5





#11

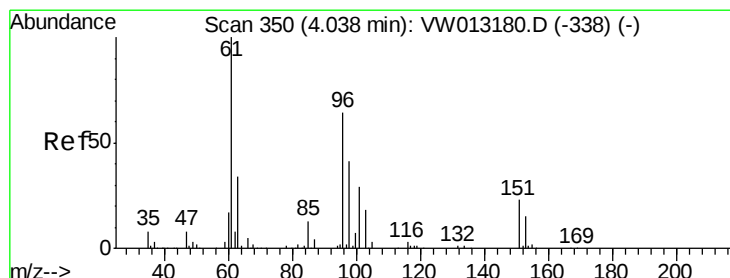
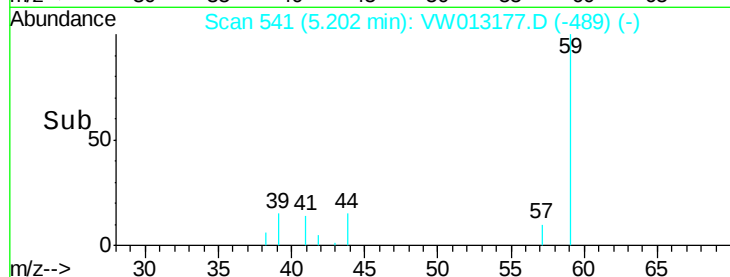
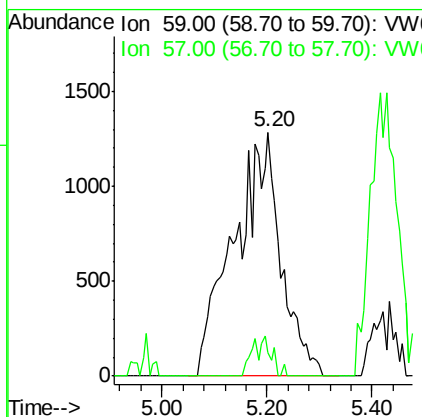
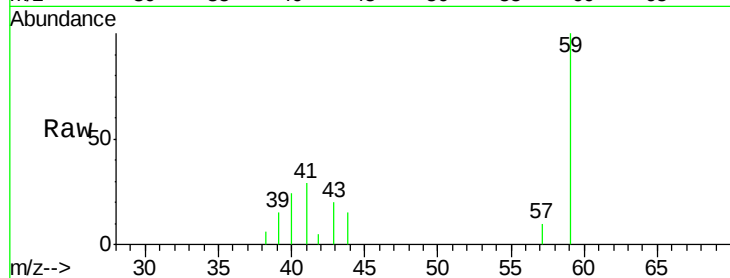
Tert butyl alcohol
 Concen: 33.787 ug/l m
 RT: 5.20 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 7946
 Ion Ratio Lower Upper
 59 100
 57 2.8 8.2 12.2#

Manual Integrations
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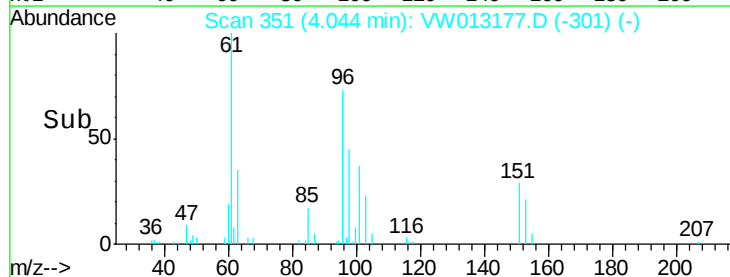
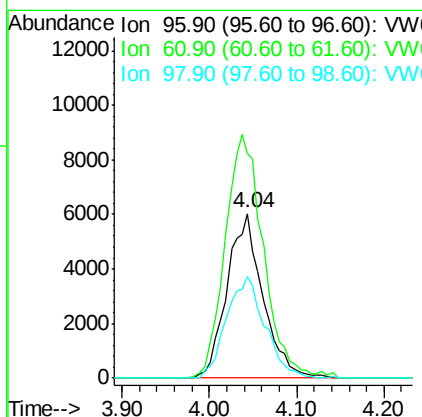
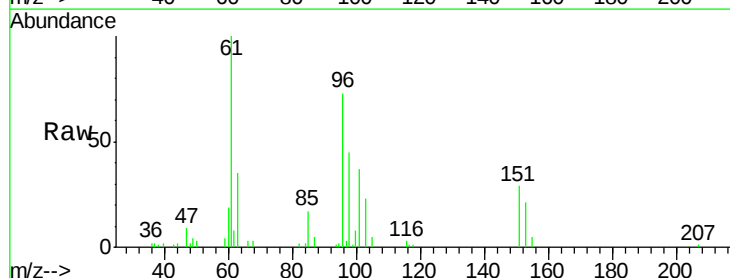
MMDadoda
 9/24/2019 5:28:40 AM

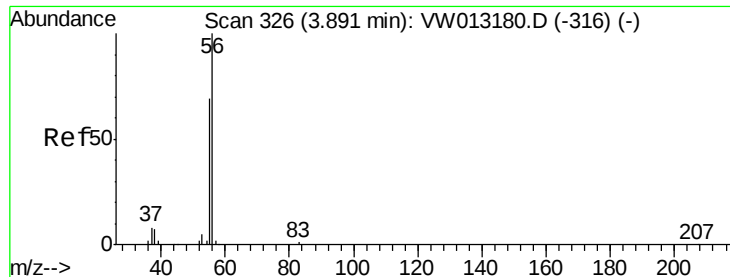


#12

1,1-Dichloroethene
 Concen: 6.993 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion: 96 Resp: 17111
 Ion Ratio Lower Upper
 96 100
 61 137.0 125.1 187.7
 98 61.8 50.8 76.2





#13

Acrolein

Concen: 13.975 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2977

Ion Ratio Lower Upper

56 100

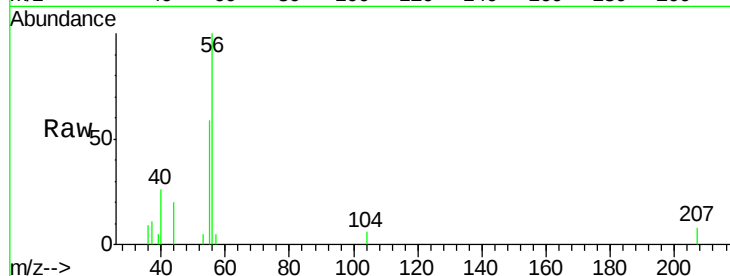
55 66.8 55.4 83.0

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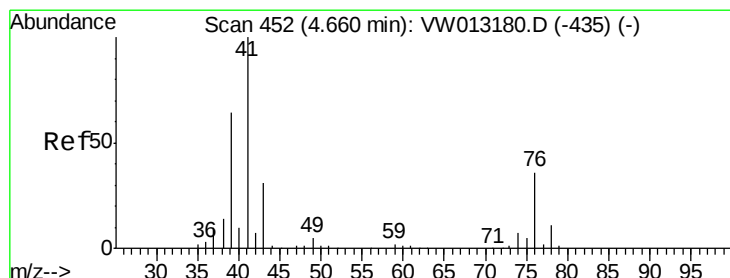
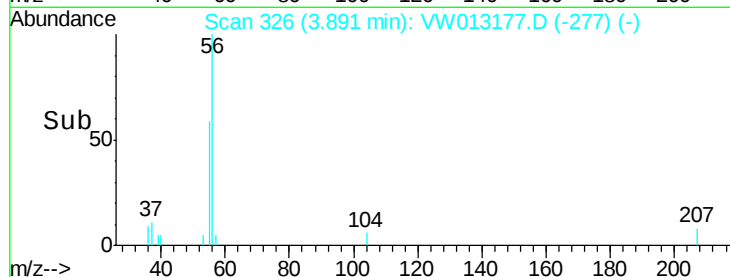
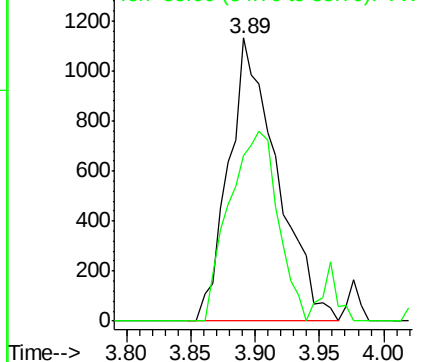
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 5.955 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

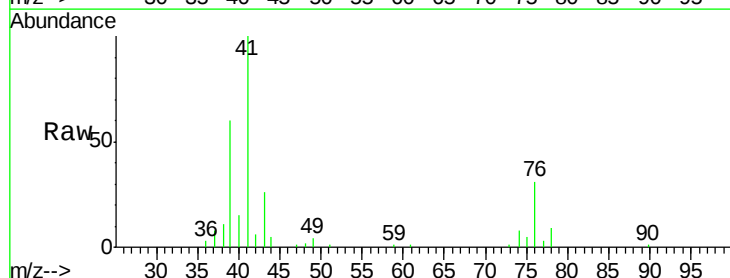
Tgt Ion: 41 Resp: 26720

Ion Ratio Lower Upper

41 100

39 65.4 51.0 76.4

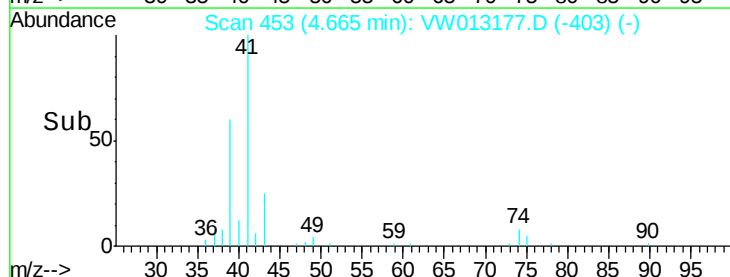
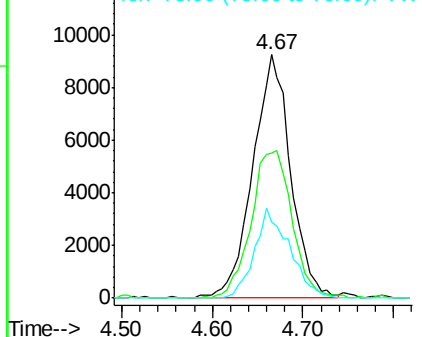
76 34.1 28.4 42.6

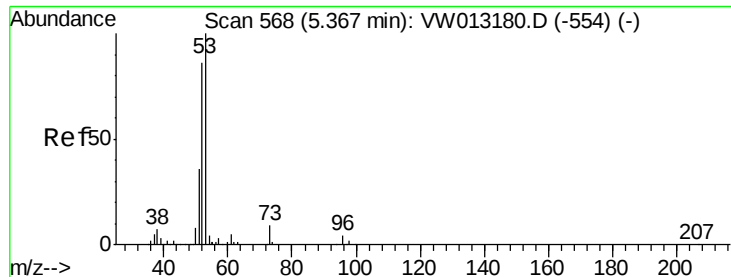


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 26.469 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

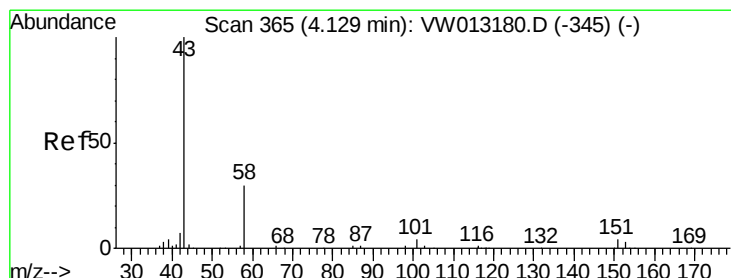
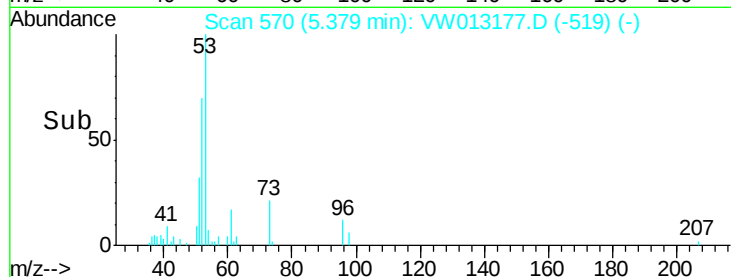
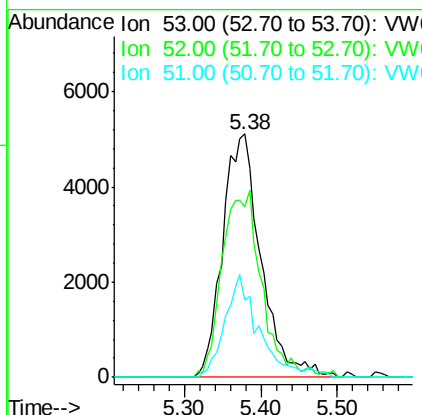
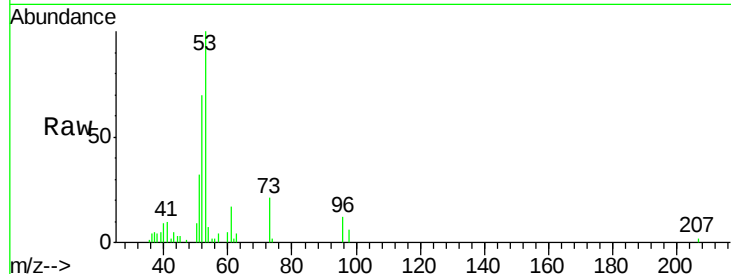
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	17691
Ion Ratio	Lower	Upper	
53	100		
52	77.7	65.3	97.9
51	36.9	29.0	43.4

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#16

Acetone

Concen: 24.636 ug/l

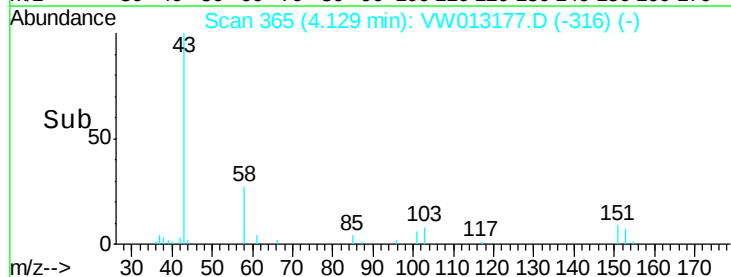
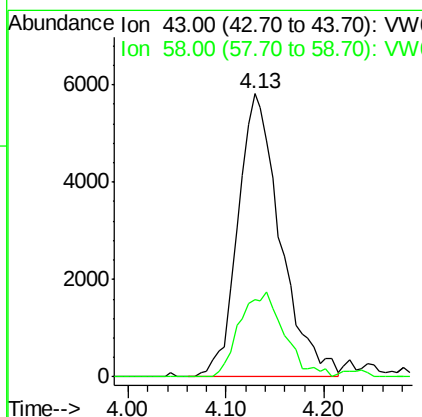
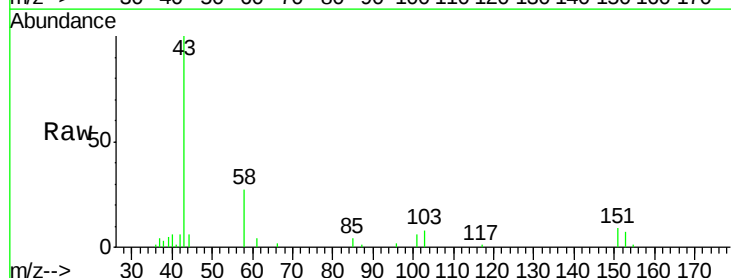
RT: 4.13 min Scan# 365

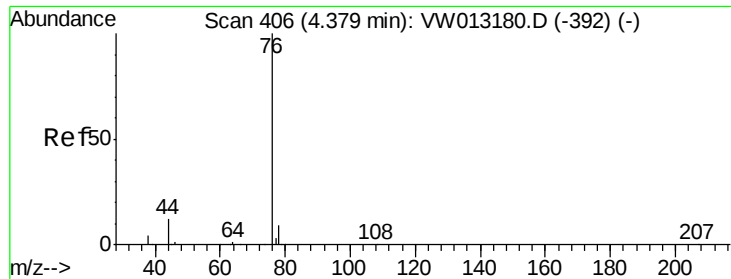
Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion:	43	Resp:	17531
Ion Ratio	Lower	Upper	
43	100		
58	27.1	24.1	36.1





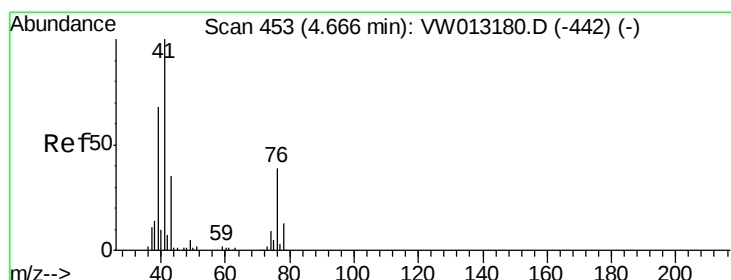
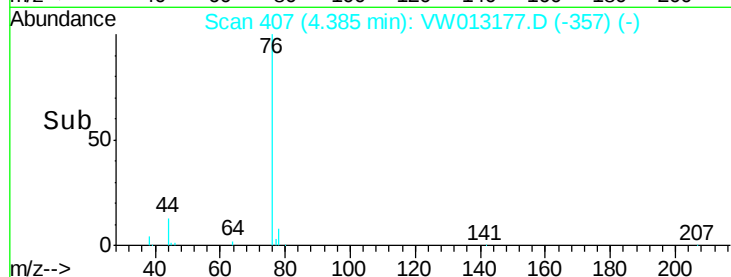
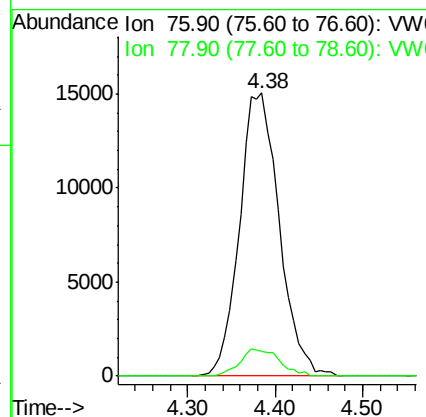
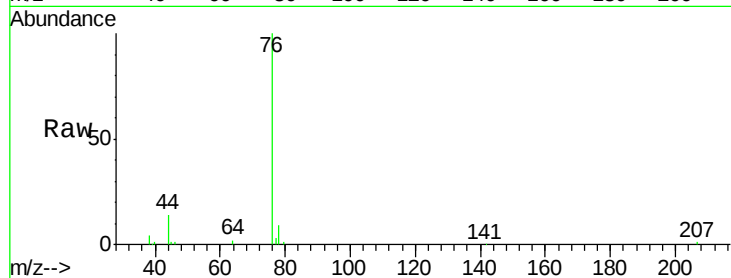
#17
Carbon Disulfide
Concen: 8.835 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

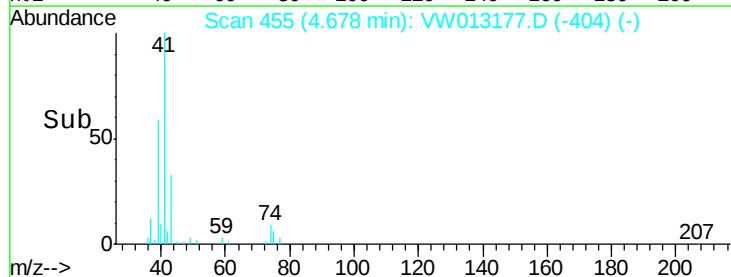
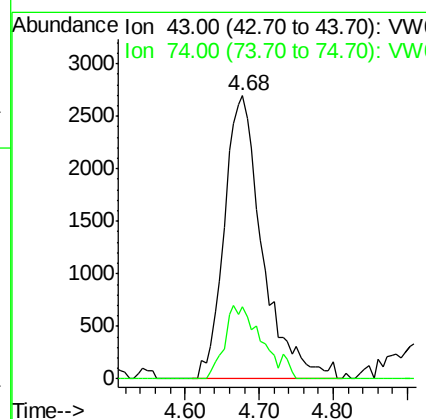
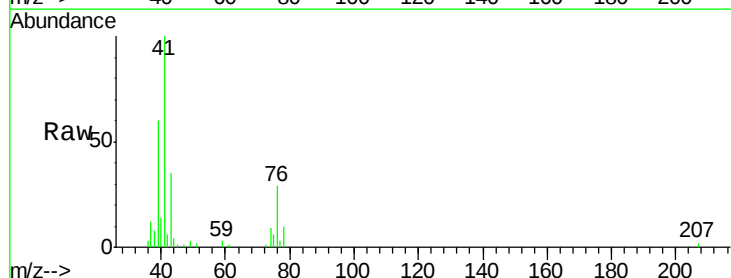
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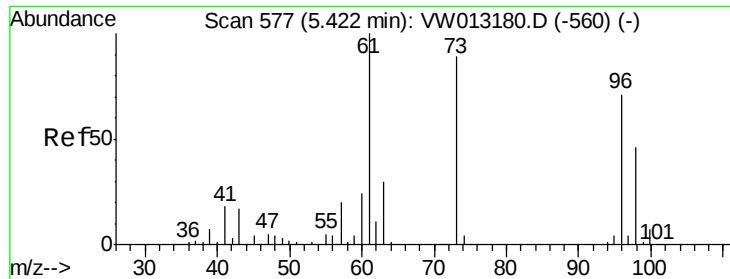
MMDadoda
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#18
Methyl Acetate
Concen: 5.483 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.3	28.9





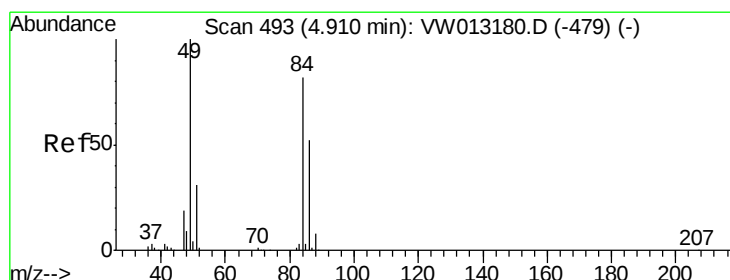
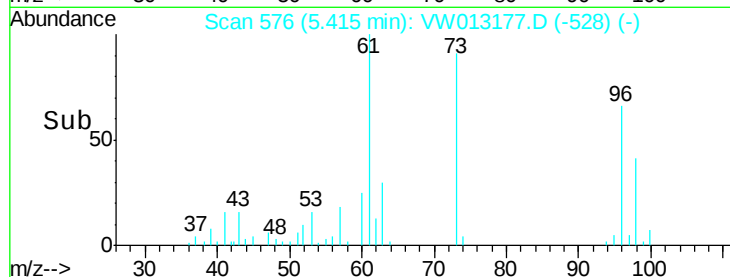
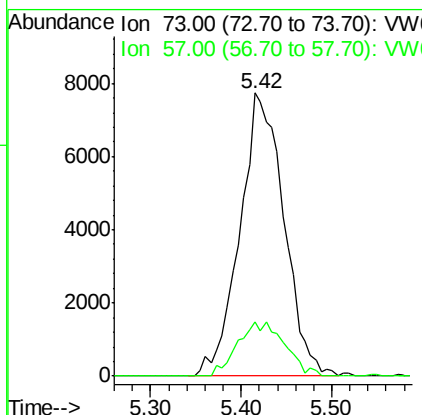
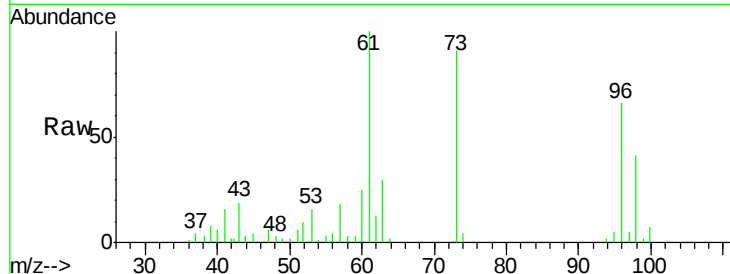
#19
Methyl tert-butyl Ether
Concen: 5.680 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 26068
Ion Ratio Lower Upper
73 100
57 19.3 17.6 26.4

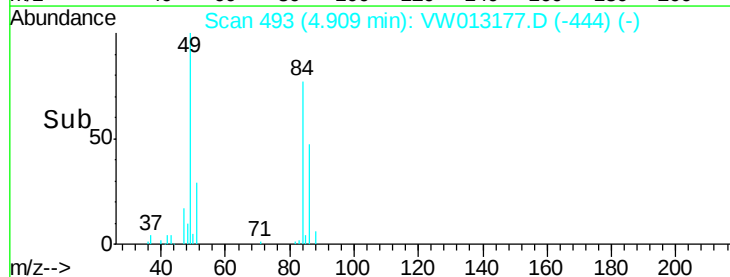
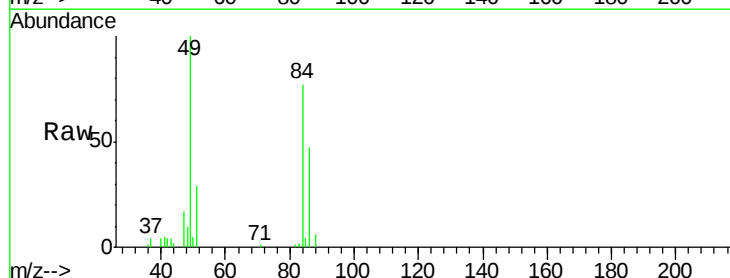
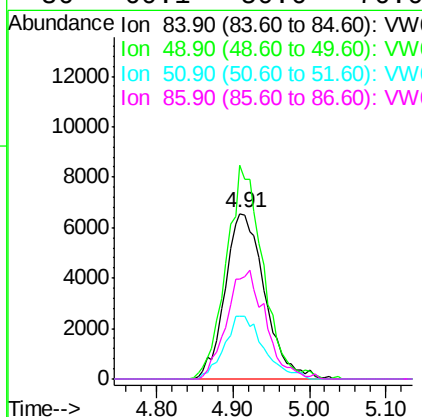
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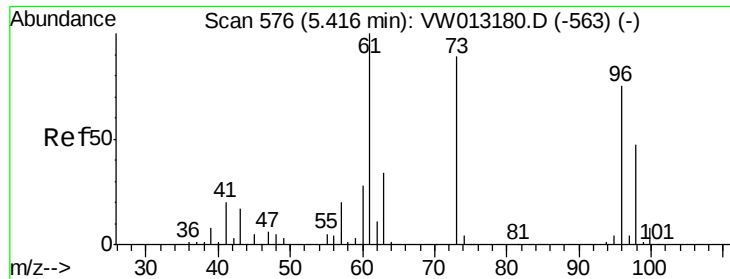
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#20
Methylene Chloride
Concen: 7.787 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion: 84 Resp: 23476
Ion Ratio Lower Upper
84 100
49 129.2 97.6 146.4
51 37.6 30.2 45.2
86 60.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 7.125 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013177.D

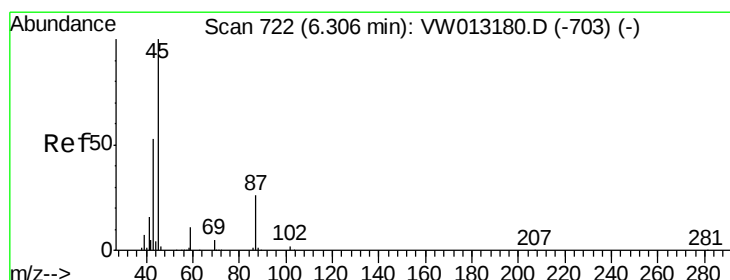
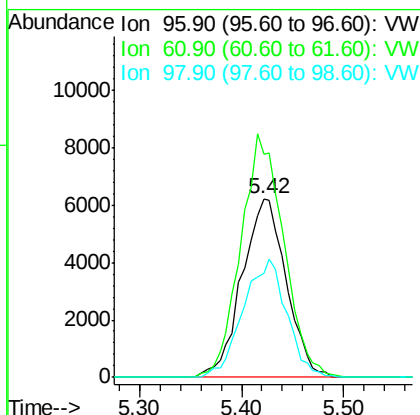
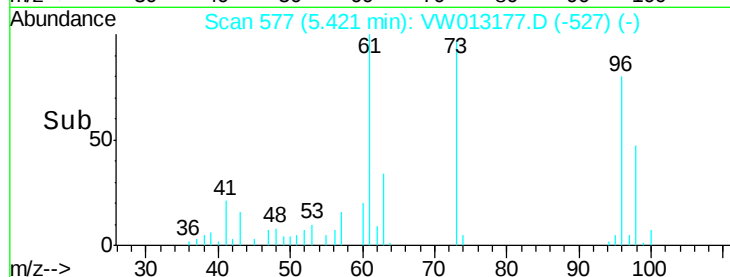
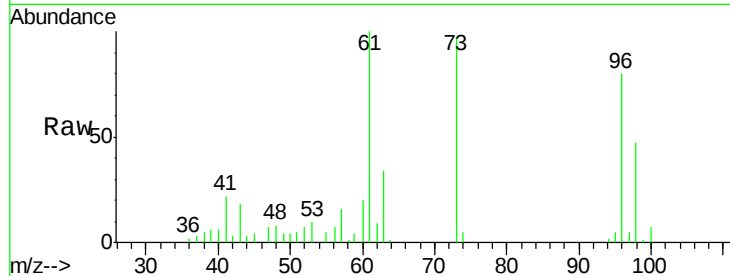
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.8	106.6	159.8
98	58.5	49.8	74.8

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#22

Diisopropyl ether

Concen: 5.488 ug/l

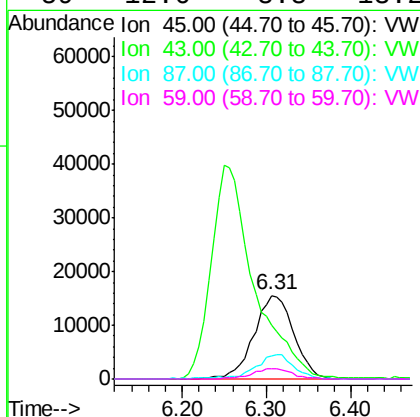
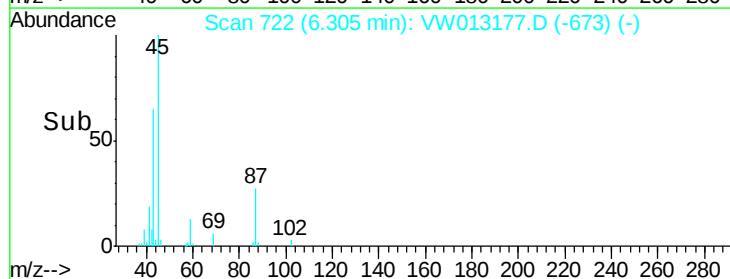
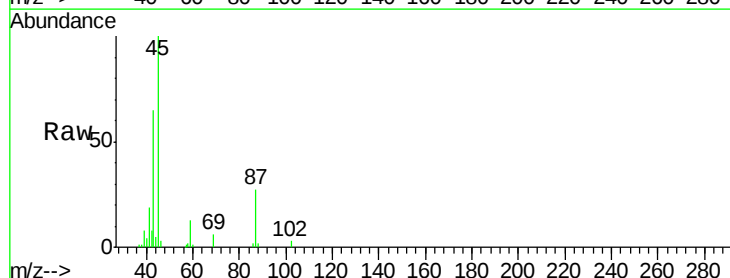
RT: 6.31 min Scan# 722

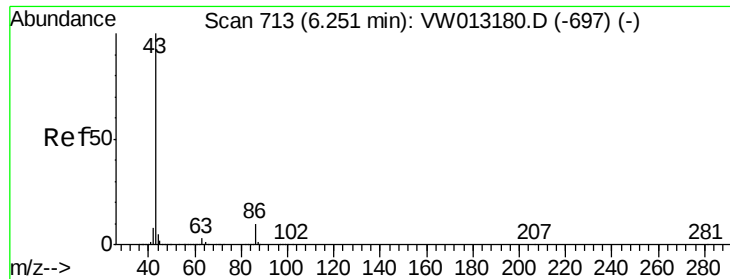
Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	42.4	63.6
87	26.9	20.4	30.6
59	12.6	8.8	13.2





#23

Vinyl Acetate

Concen: 25.661 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 140041

Ion Ratio Lower Upper

43 100

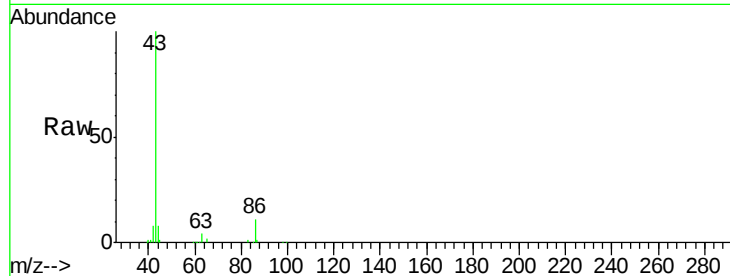
86 10.7 8.3 12.5

Manual Integrations

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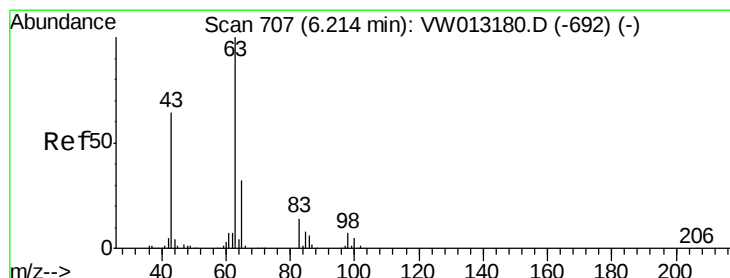
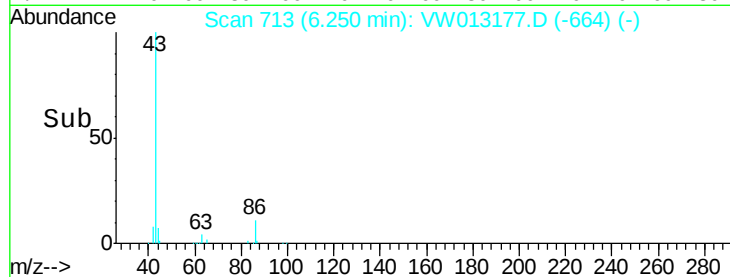
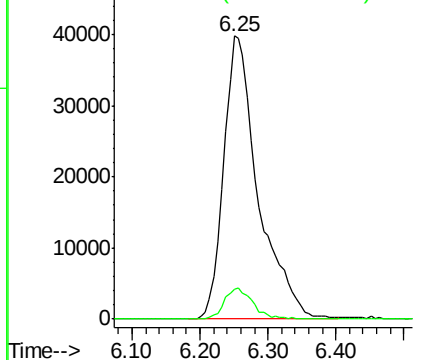
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 5.732 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

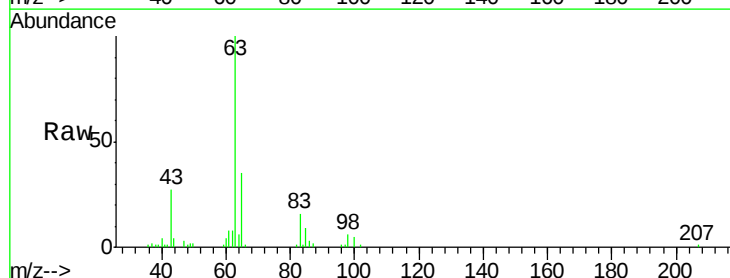
Tgt Ion: 63 Resp: 30643

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

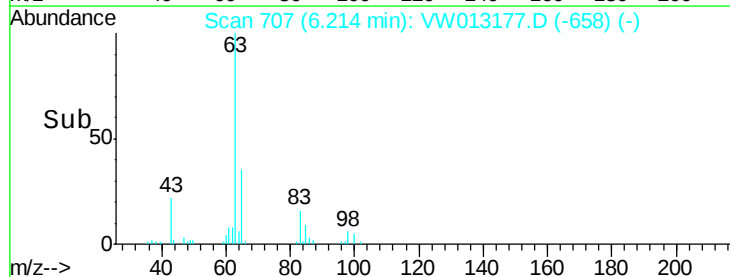
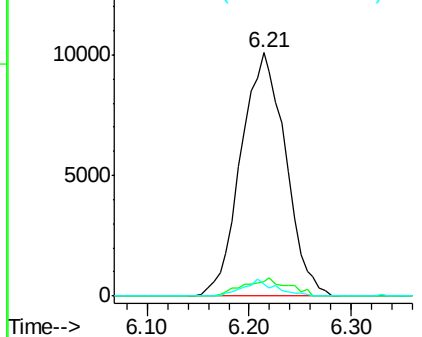
100 4.7 2.4 7.1

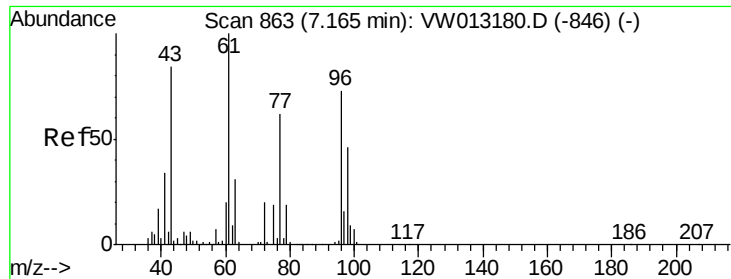


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 26.282 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 25381

Ion Ratio Lower Upper

43 100

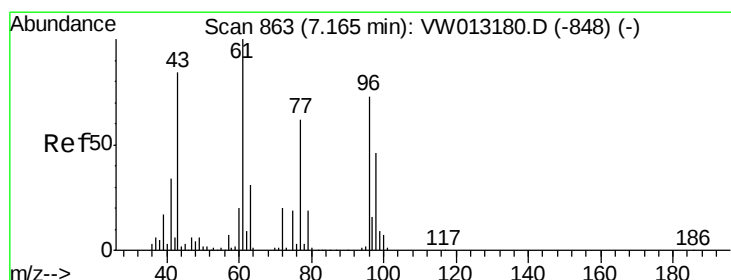
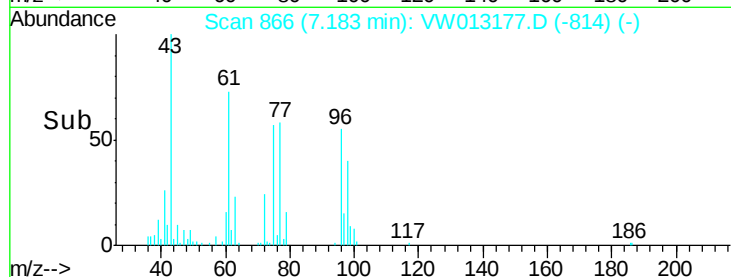
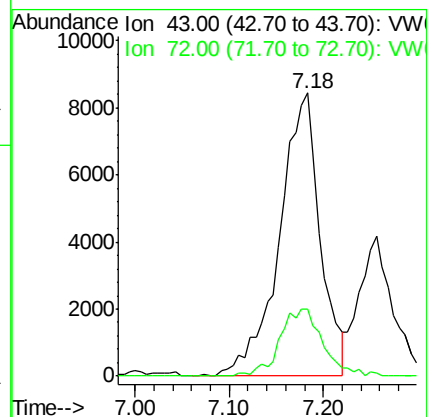
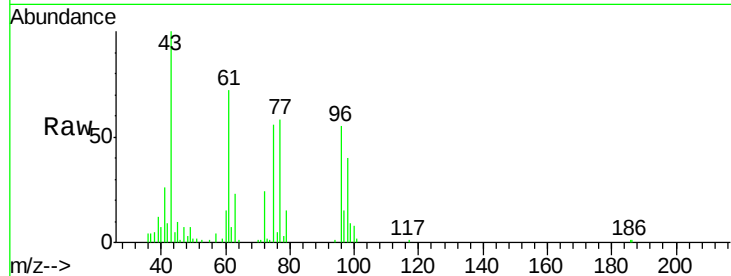
72 23.7 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 6.646 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013177.D

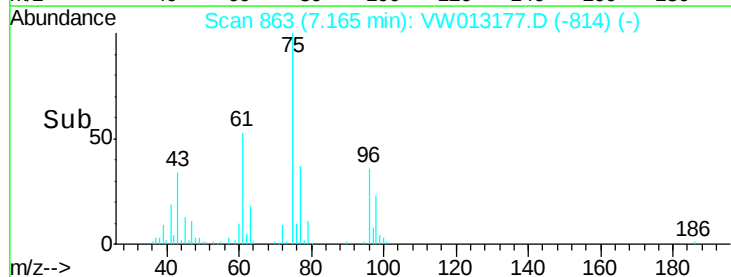
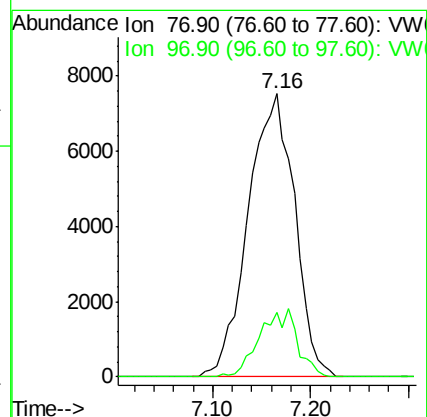
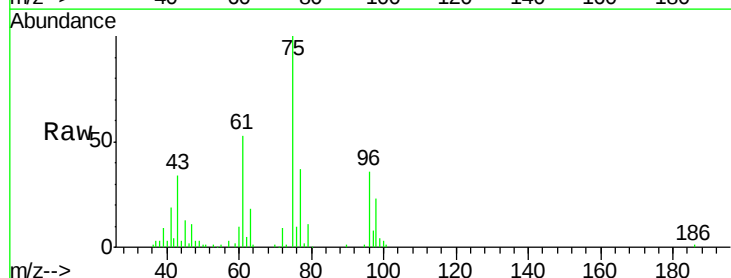
Acq: 20 Sep 2019 12:43

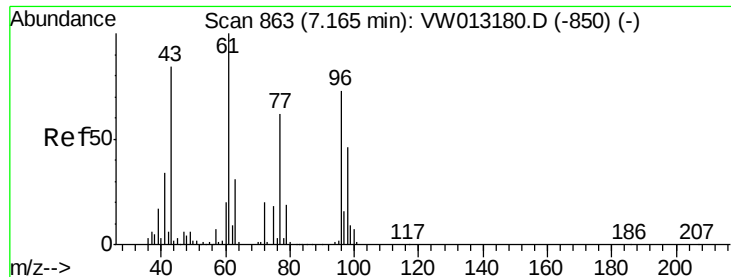
Tgt Ion: 77 Resp: 24802

Ion Ratio Lower Upper

77 100

97 19.5 11.8 35.4





#27

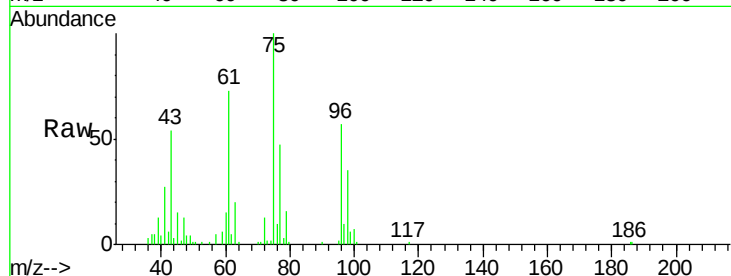
cis-1,2-Dichloroethene
Concen: 6.284 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	282.4
98	66.6	0.0	128.2

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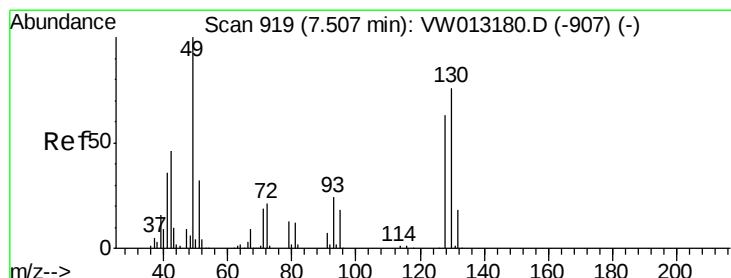
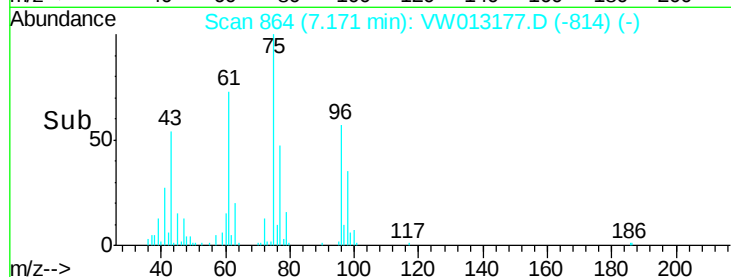
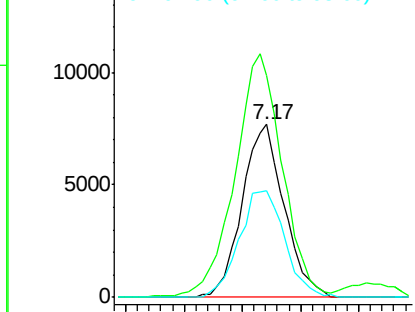


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

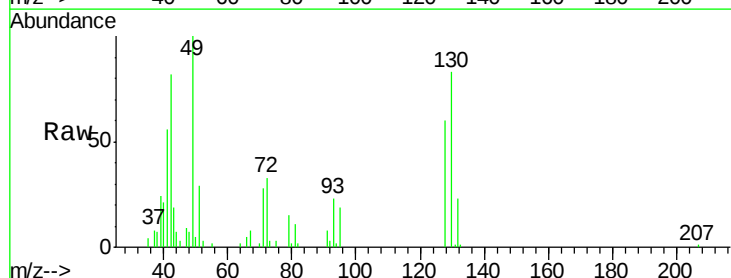
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 5.028 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.0
130	77.6	63.4	95.2

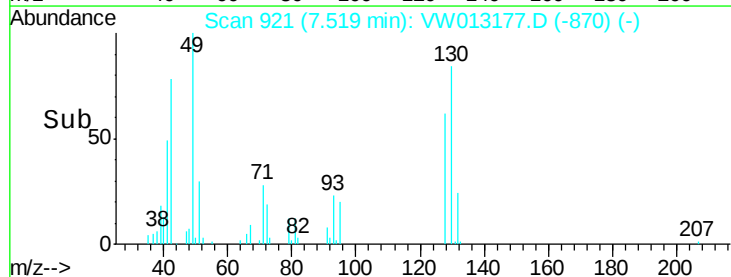
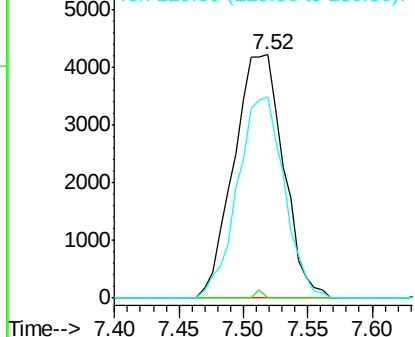


Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW





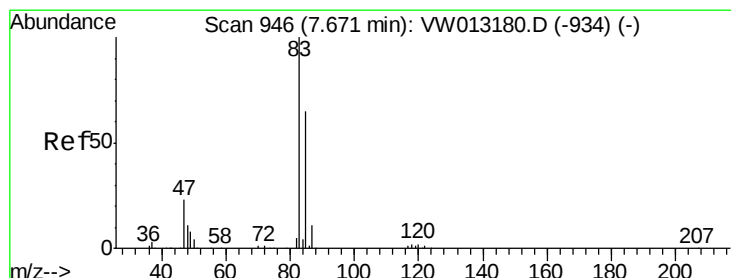
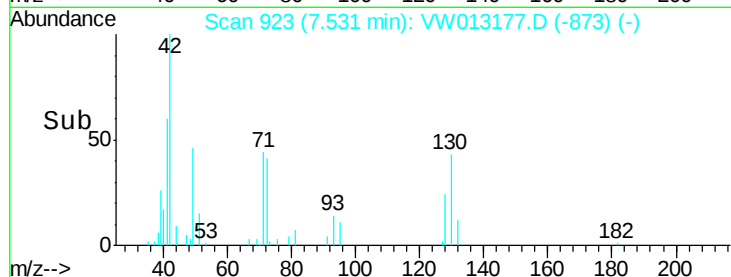
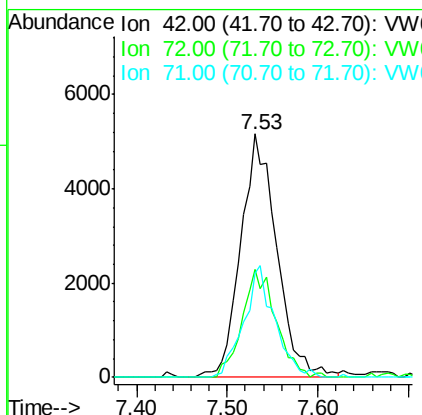
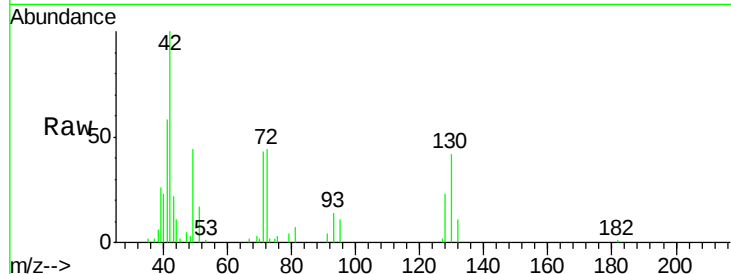
#29
Tetrahydrofuran
Concen: 25.454 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.9	50.9
71	39.4	31.9	47.9

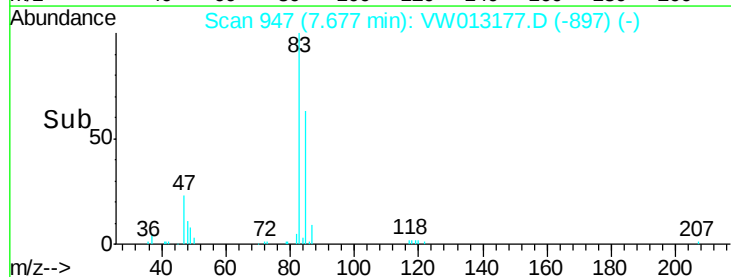
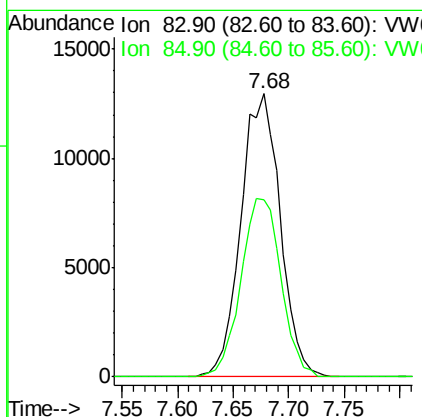
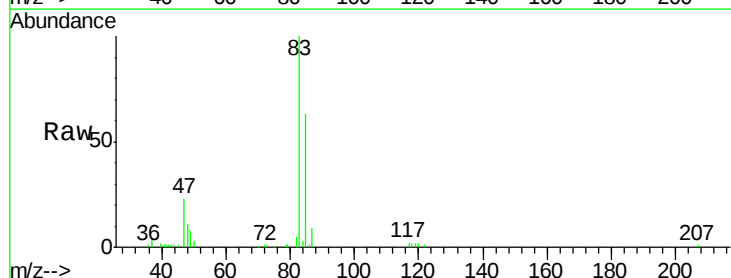
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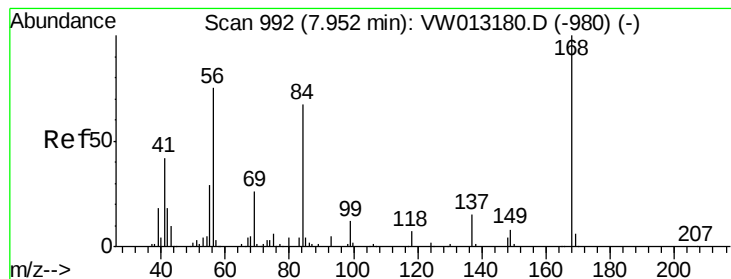
MMDadoda
9/24/2019 5:28:40 AM



#30
Chloroform
Concen: 5.939 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.3	78.5





#31

Cyclohexane

Concen: 7.540 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 35794

Ion Ratio Lower Upper

56 100

69 62.8 27.2 40.8#

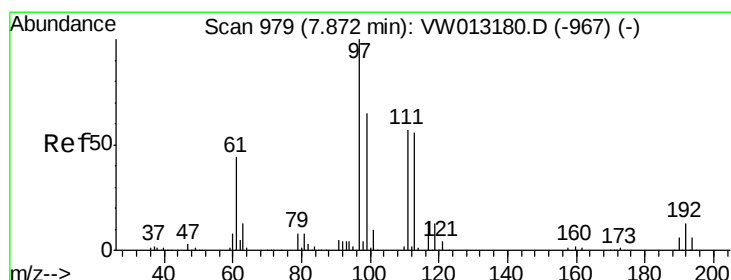
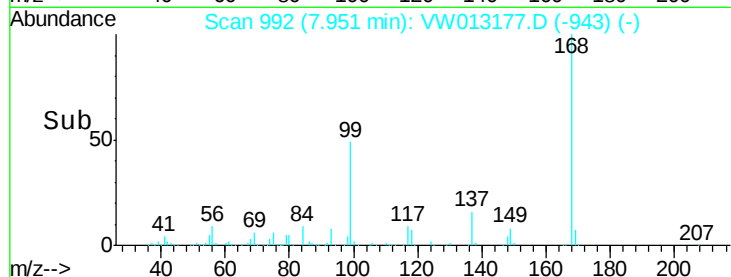
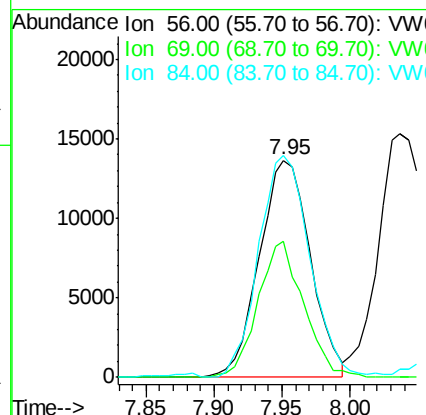
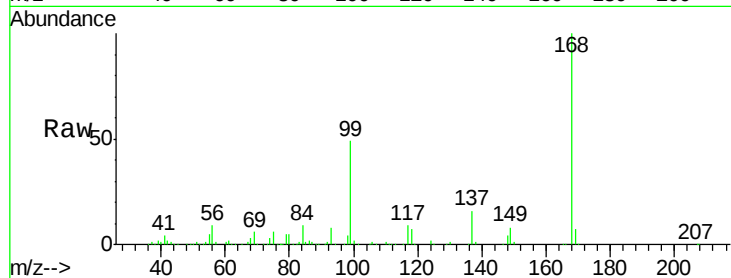
84 100.9 70.8 106.2

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#32

1,1,1-Trichloroethane

Concen: 5.657 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

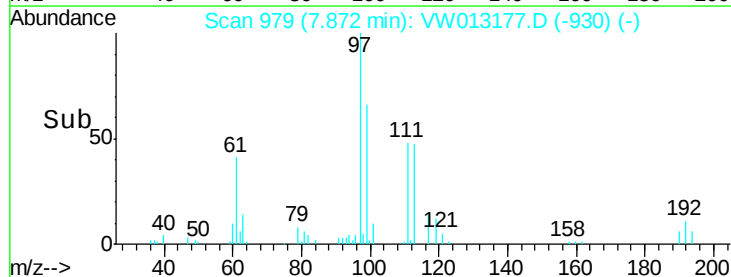
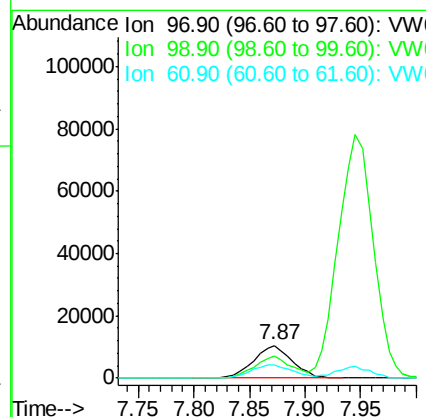
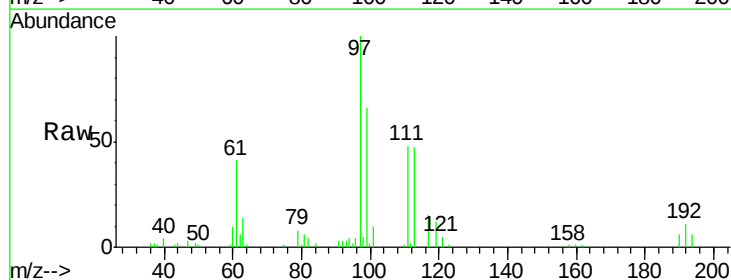
Tgt Ion: 97 Resp: 25050

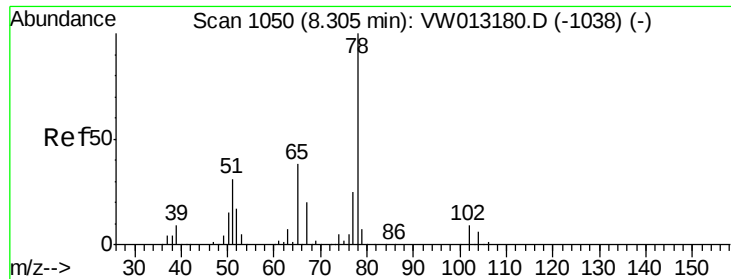
Ion Ratio Lower Upper

97 100

99 65.6 51.7 77.5

61 43.9 34.6 51.8





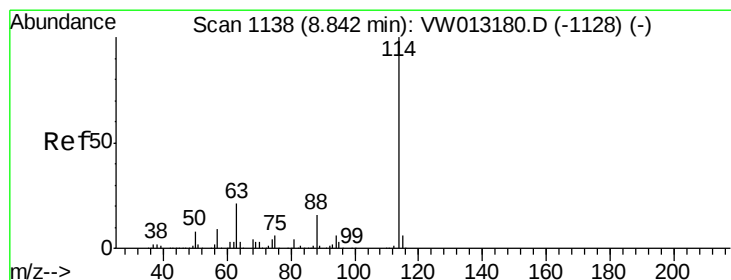
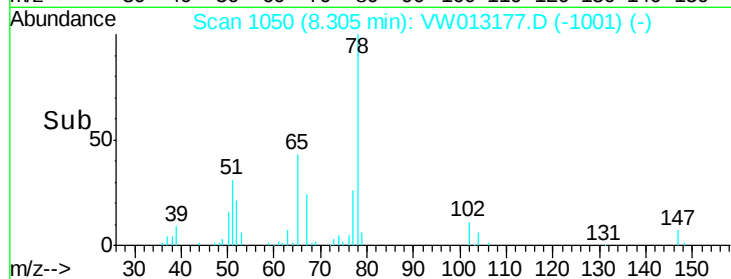
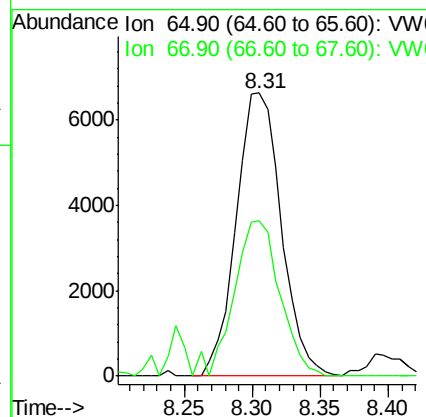
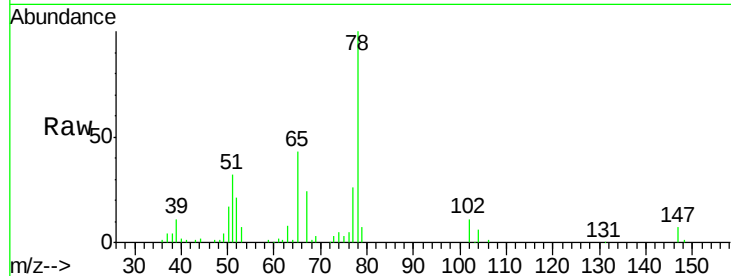
#33
 1,2-Dichloroethane-d4
 Concen: 5.095 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	15396		
67	55.9	0.0	106.2	

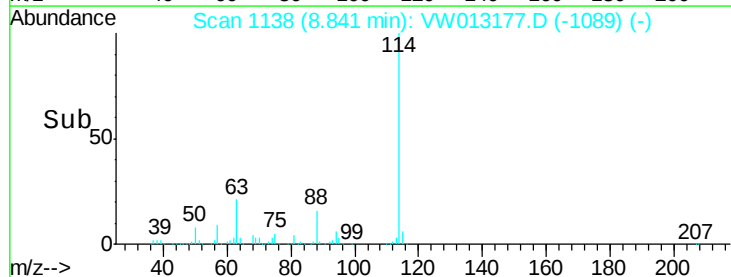
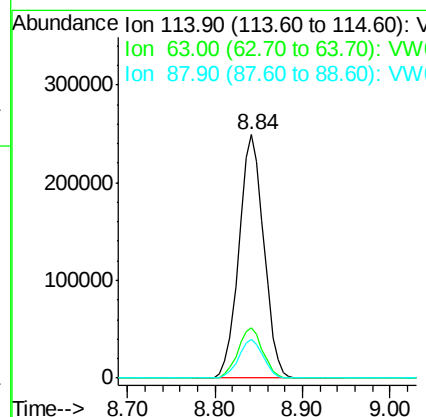
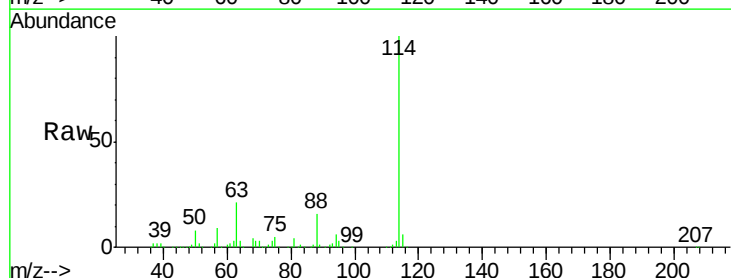
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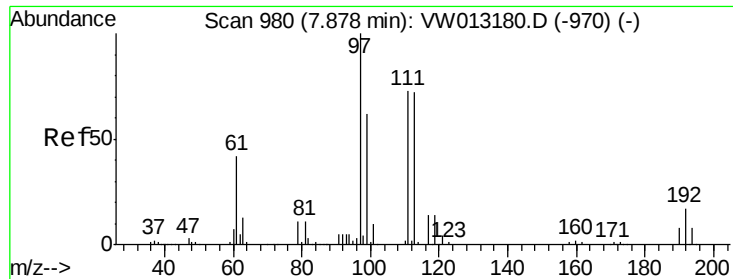
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	492232		
63	20.6	0.0	41.4	
88	16.0	0.0	32.0	





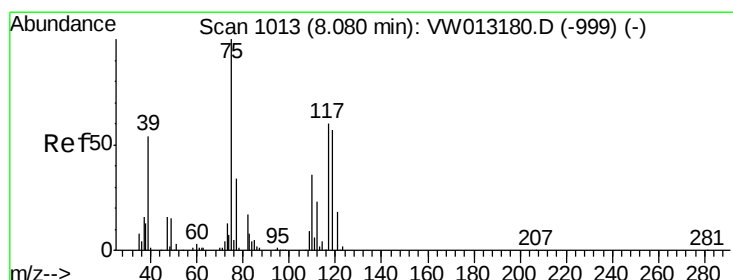
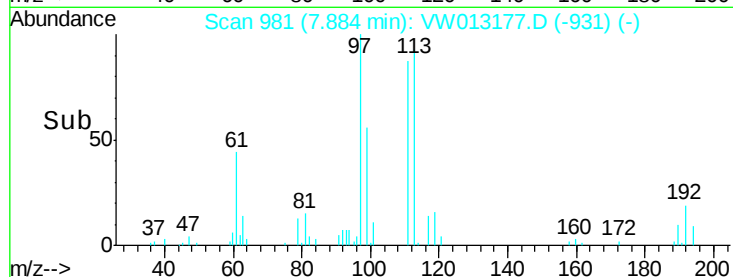
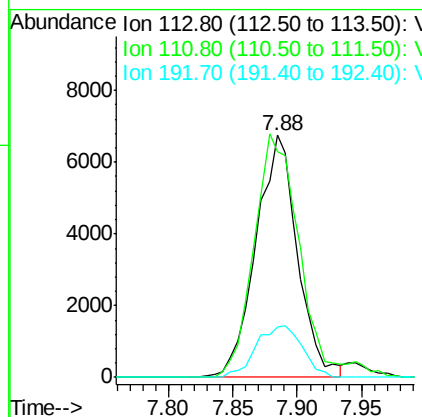
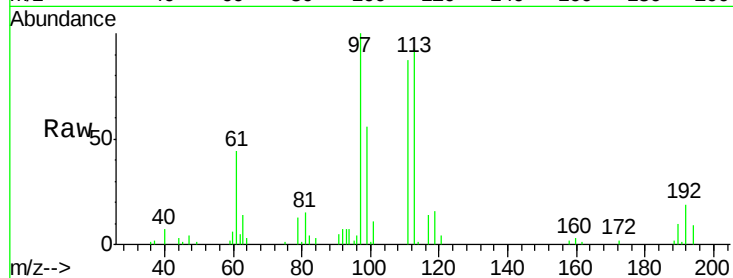
#35
 Dibromofluoromethane
 Concen: 5.676 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	15106		
111	107.1	81.9	122.9	
192	23.5	19.1	28.7	

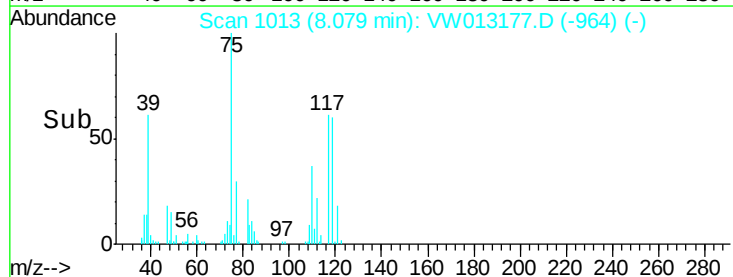
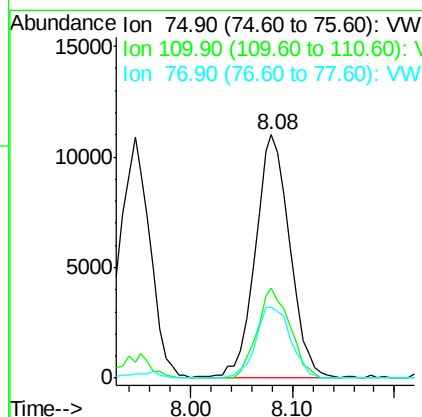
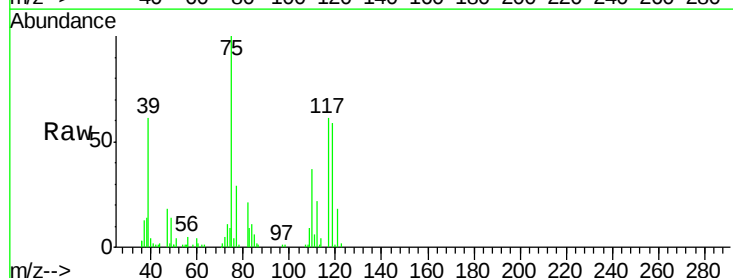
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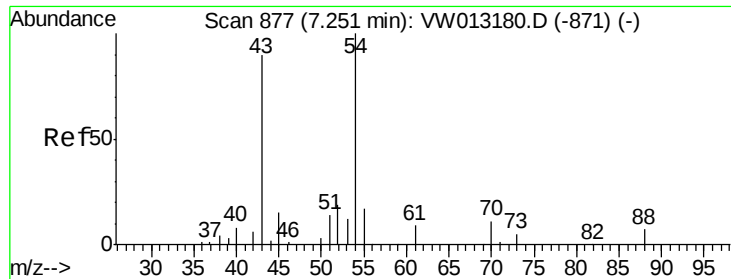
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#36
 1,1-Dichloropropene
 Concen: 6.387 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25922		
110	35.0	18.1	54.3	
77	29.5	25.8	38.6	





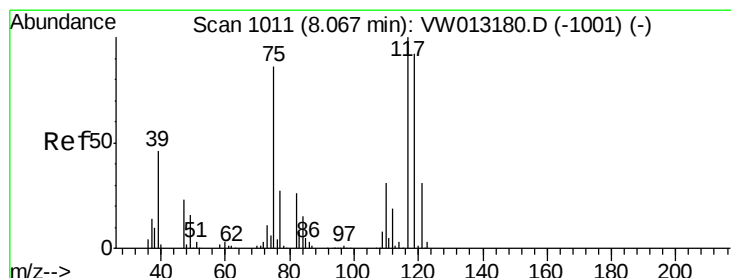
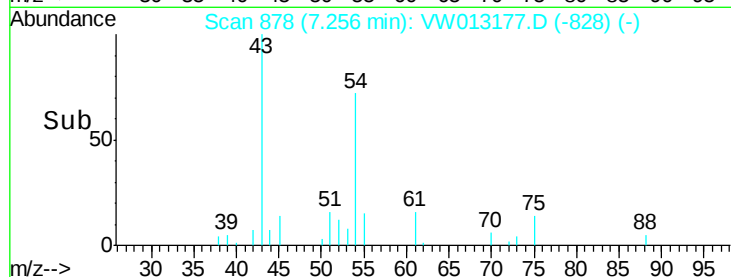
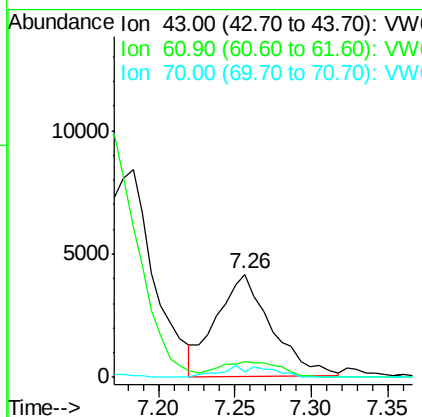
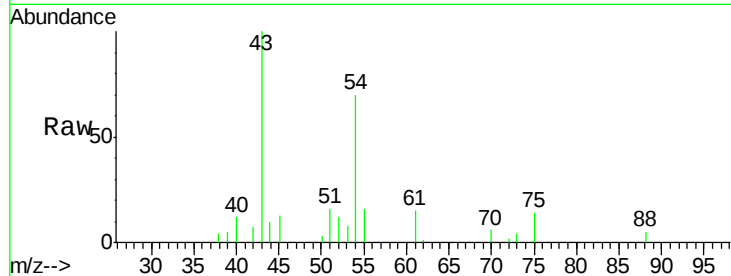
#37
Ethyl Acetate
Concen: 4.999 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	10.9	16.3#
70	5.1	8.2	12.2#

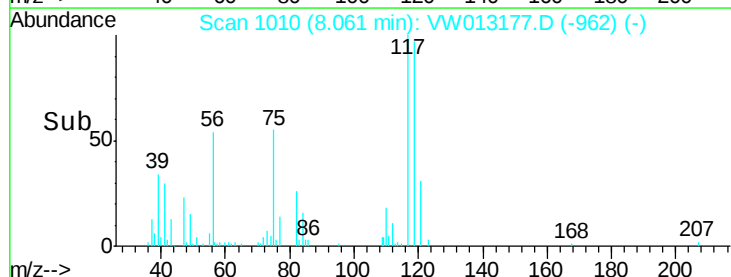
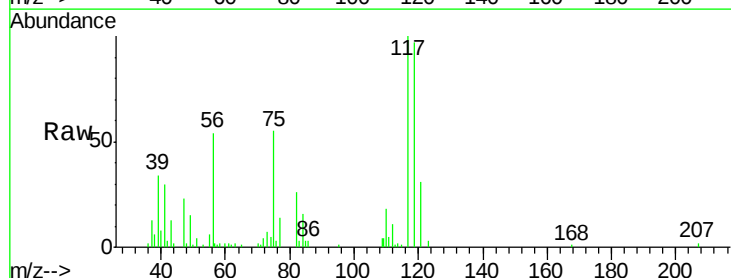
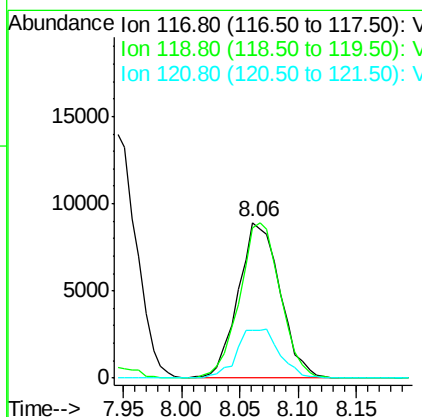
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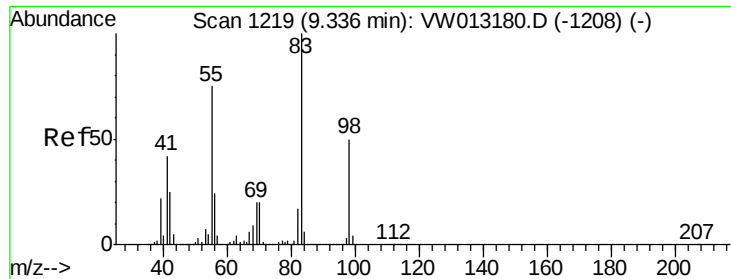
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#38
Carbon Tetrachloride
Concen: 5.494 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	73.5	110.3
121	30.7	25.0	37.6





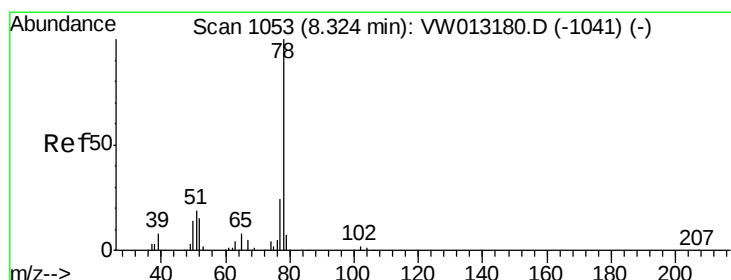
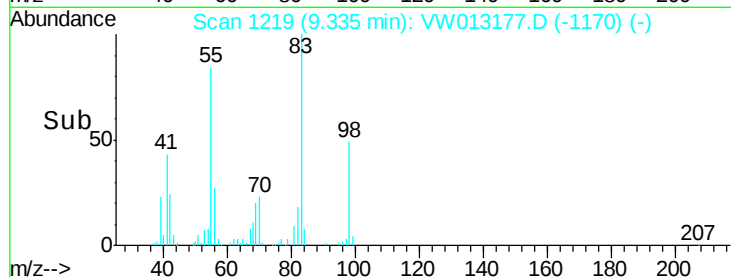
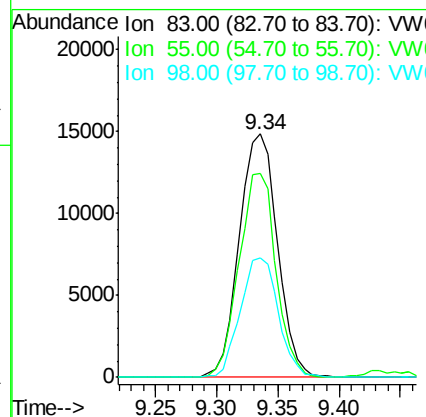
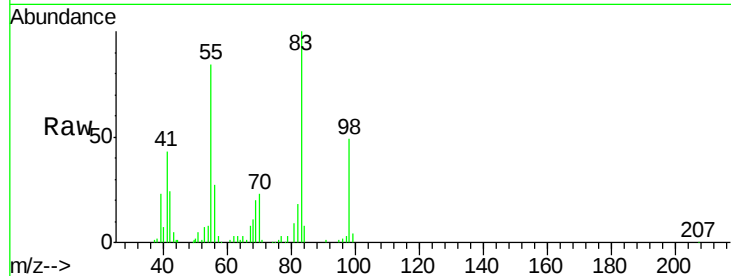
#39
Methvlcvclohexane
Concen: 6.958 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	83	Resp:	32192
Ion	Ratio	Lower	Upper
83	100		
55	83.5	60.4	90.6
98	49.1	40.0	60.0

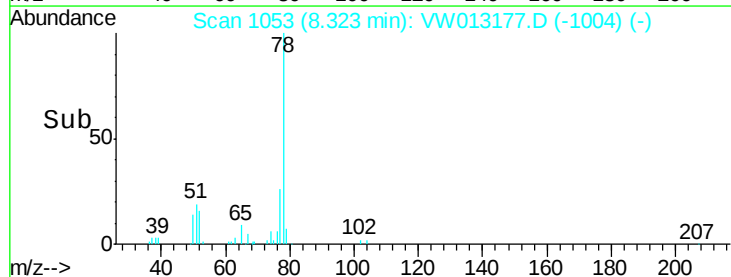
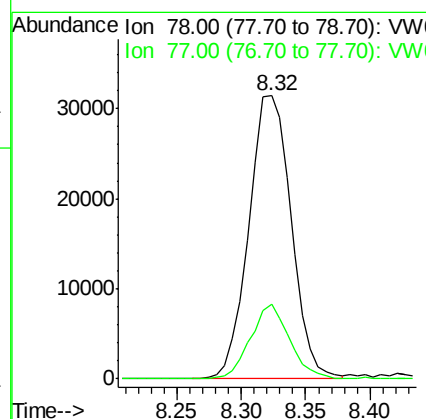
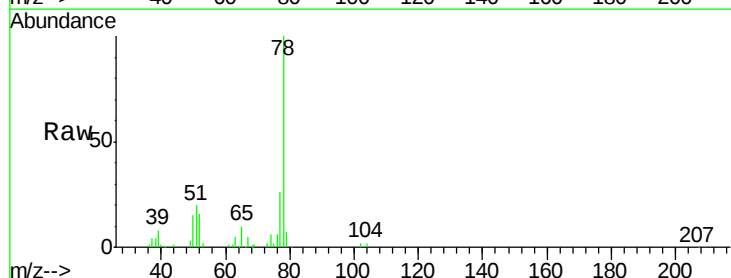
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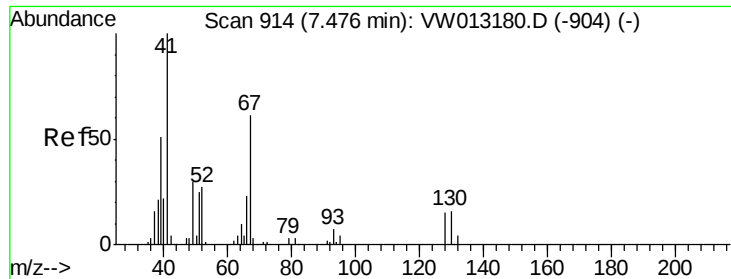
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#40
Benzene
Concen: 6.332 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion:	78	Resp:	71751
Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.1	28.7





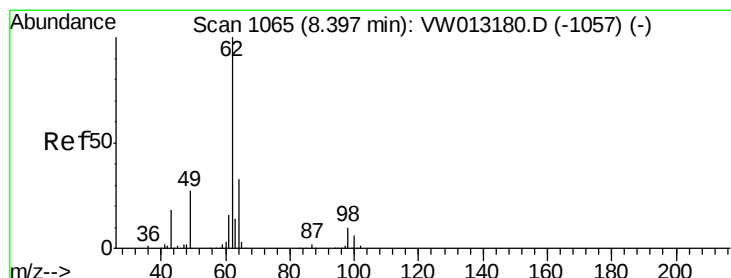
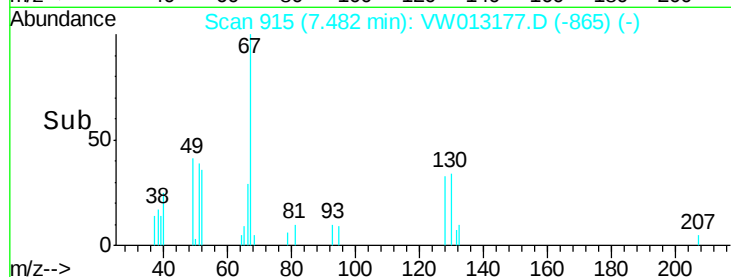
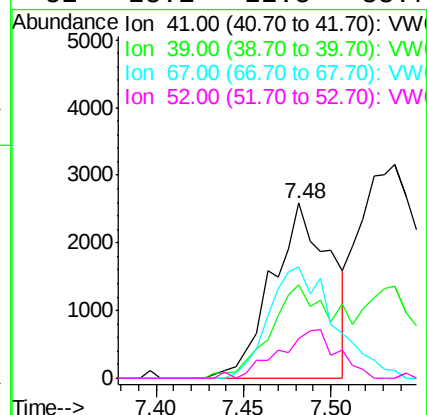
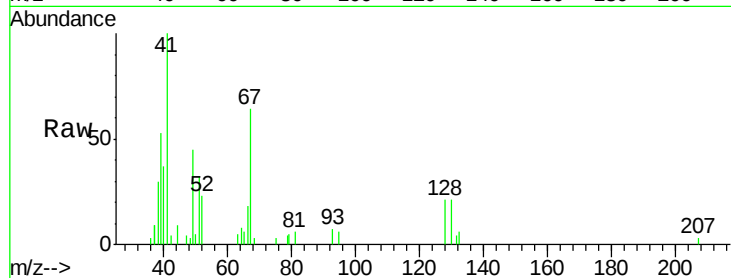
#41
Methacrylonitrile
Concen: 4.445 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	5981
Ion	Ratio	Lower	Upper
41	100		
39	61.0	45.9	68.9
67	71.9	54.5	81.7
52	28.1	22.5	33.7

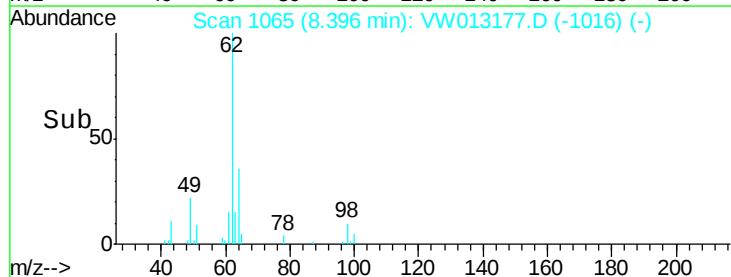
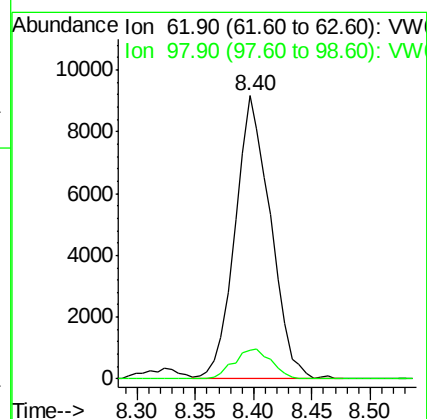
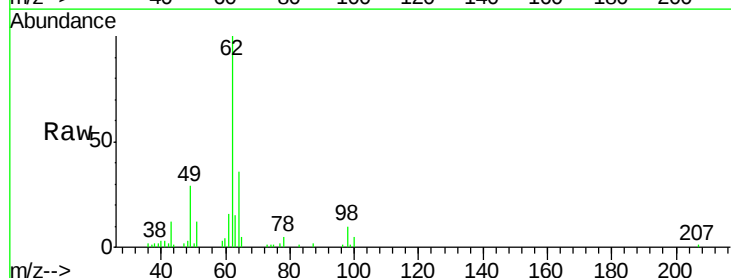
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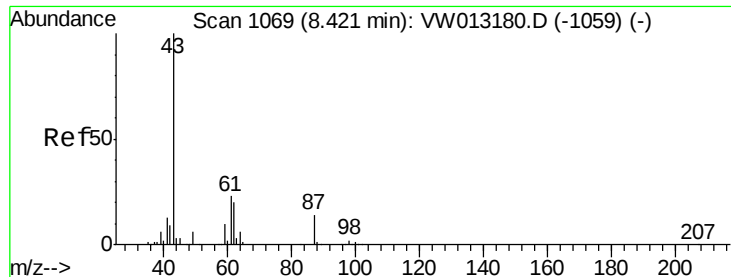
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#42
1,2-Dichloroethane
Concen: 5.319 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion:	62	Resp:	19427
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 4.843 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

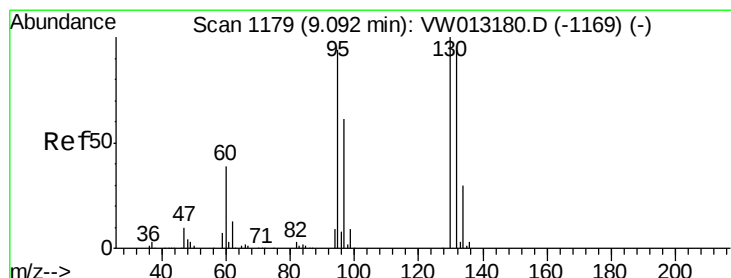
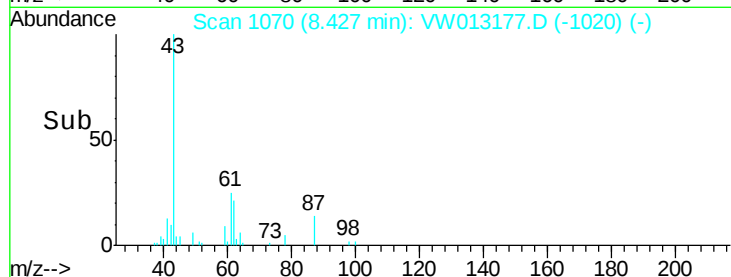
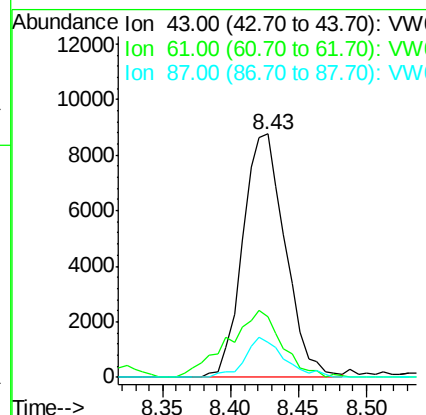
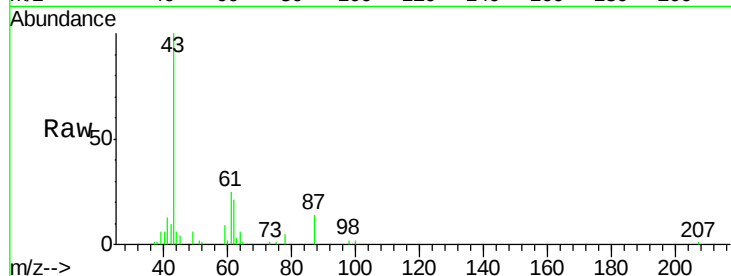
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	19140
Ion	Ratio	Lower	Upper
43	100		
61	35.0	25.5	38.3
87	15.0	11.0	16.4

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#44

Trichloroethene

Concen: 6.571 ug/l

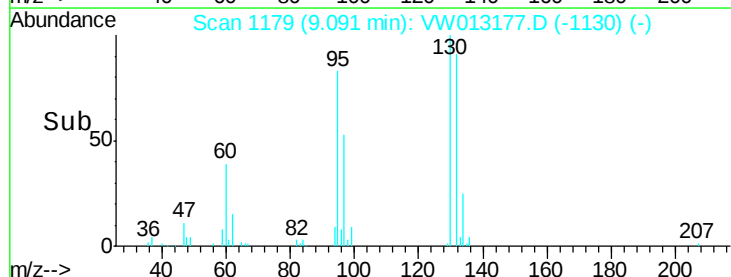
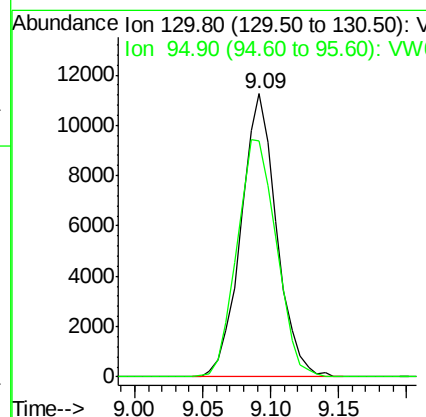
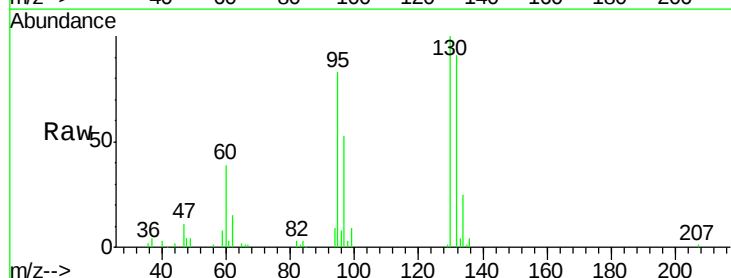
RT: 9.09 min Scan# 1179

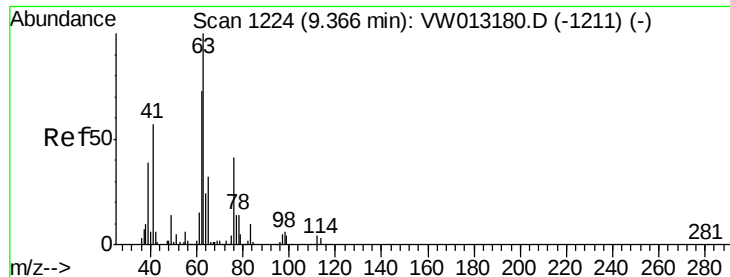
Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion:	130	Resp:	20532
Ion	Ratio	Lower	Upper
130	100		
95	83.4	0.0	188.0





#45

1,2-Dichloropropane

Concen: 6.017 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 17783

Ion Ratio Lower Upper

63 100

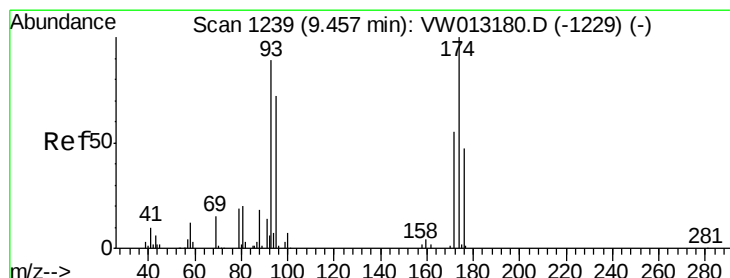
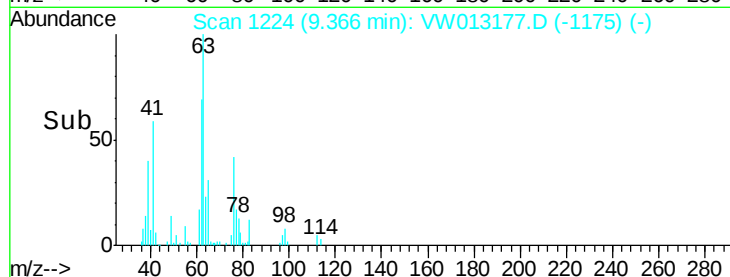
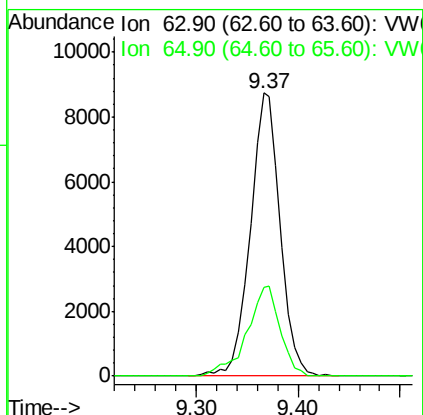
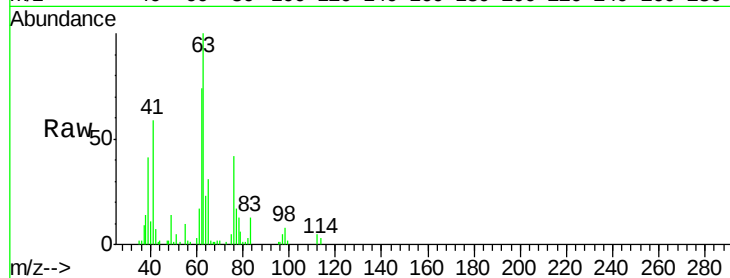
65 31.5 25.3 37.9

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#46

Dibromomethane

Concen: 5.966 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

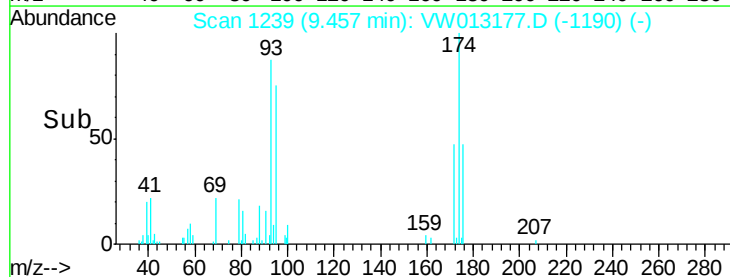
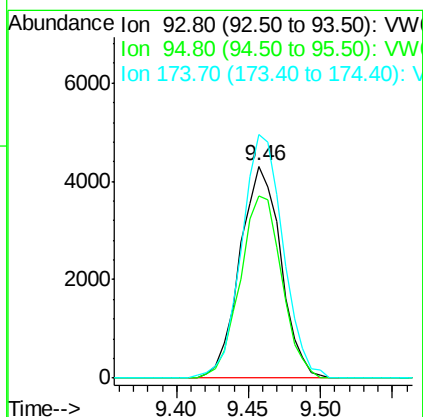
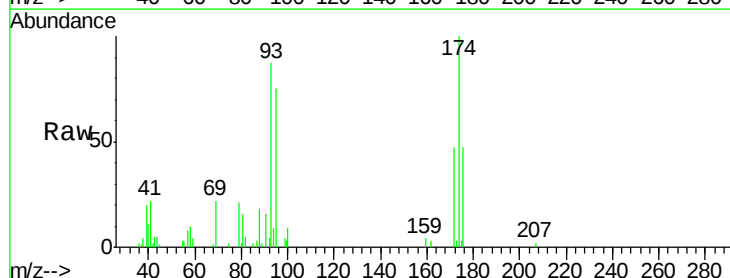
Tgt Ion: 93 Resp: 8468

Ion Ratio Lower Upper

93 100

95 87.2 66.4 99.6

174 116.9 93.0 139.6





#47

Bromodichloromethane

Concen: 5.419 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

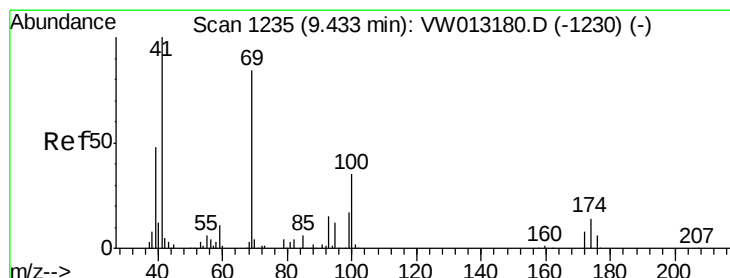
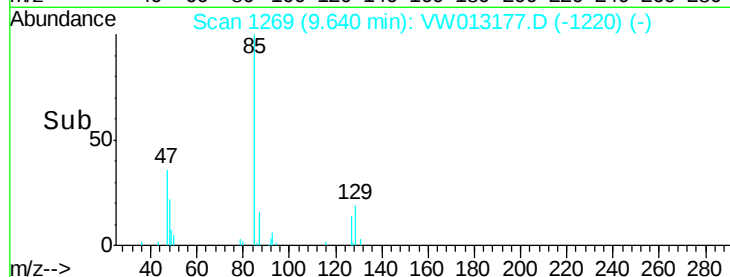
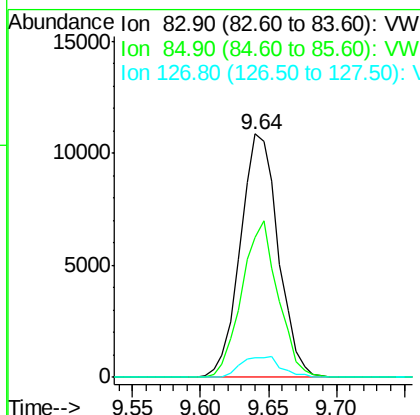
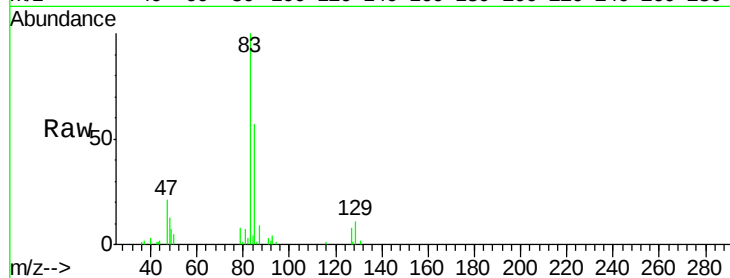
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21209
Ion Ratio	Lower	Upper	
83	100		
85	57.3	49.4	74.2
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.409 ug/l

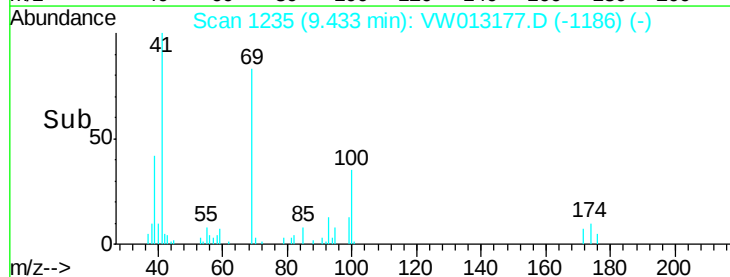
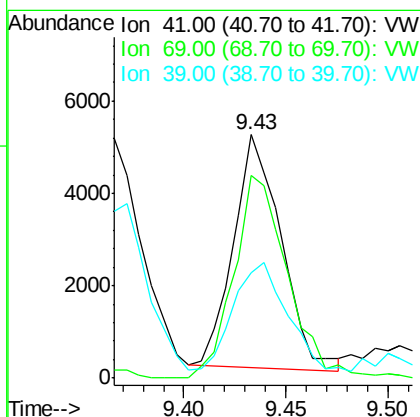
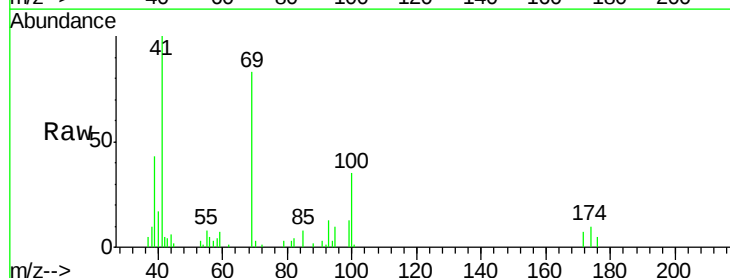
RT: 9.43 min Scan# 1235

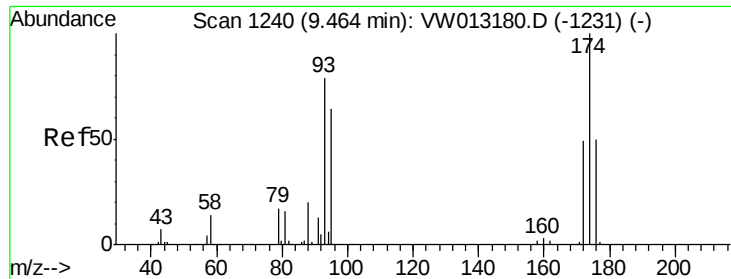
Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion:	41	Resp:	8196
Ion Ratio	Lower	Upper	
41	100		
69	98.1	69.7	104.5
39	54.7	41.1	61.7





#49

1,4-Dioxane

Concen: 103.749 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

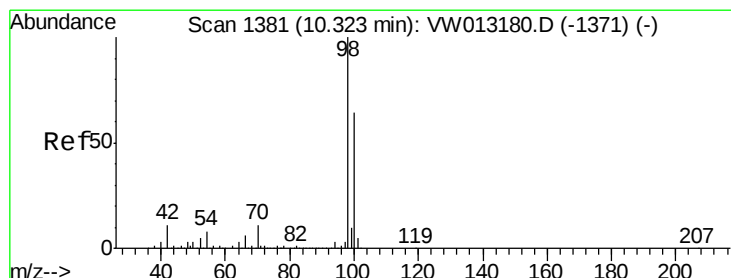
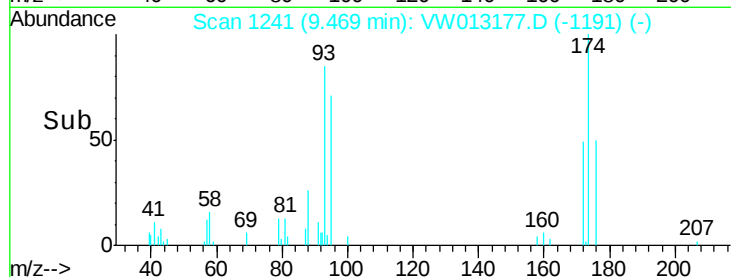
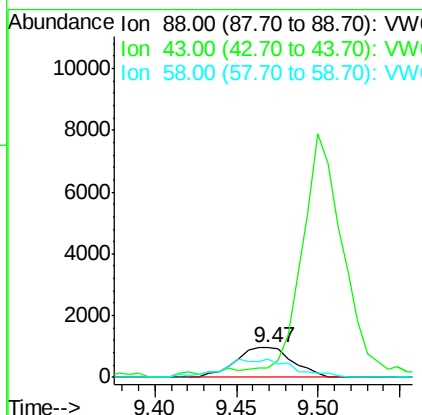
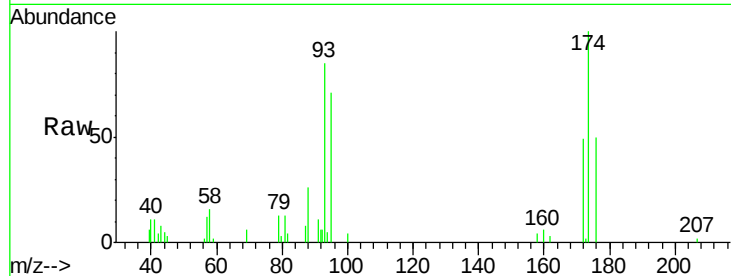
ClientSampleId :

VSTDIC005

Tot Ion	88	Resp	2359
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	39.4	65.4	98.0#

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#50

Toluene-d8

Concen: 5.974 ug/l

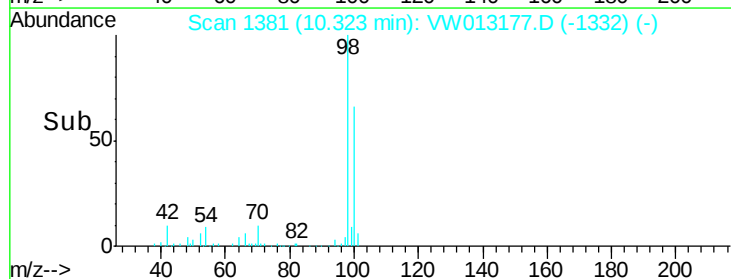
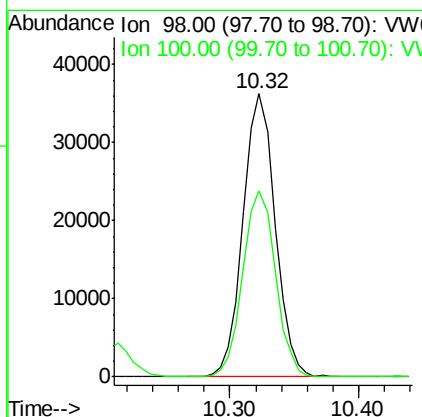
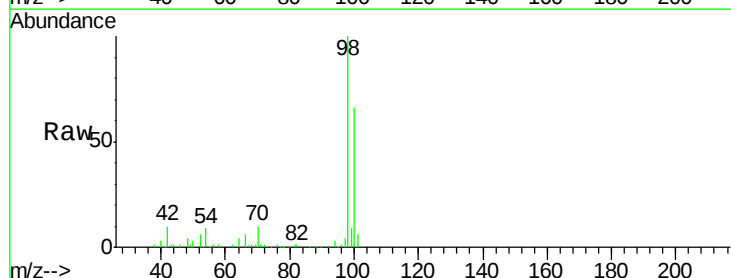
RT: 10.32 min Scan# 1381

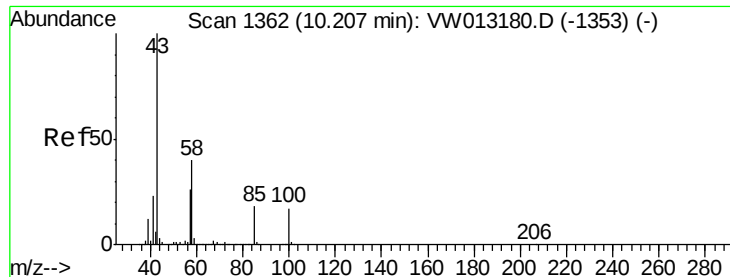
Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion	98	Resp	62695
Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 23.627 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 48007

Ion Ratio Lower Upper

43 100

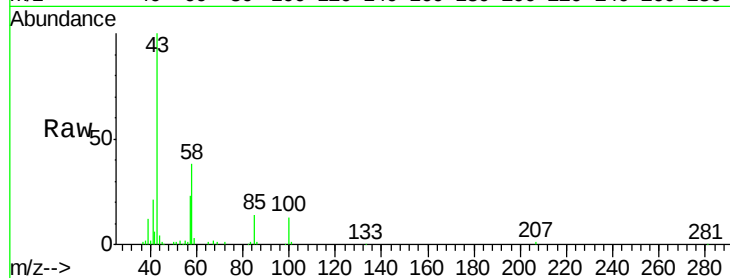
58 38.7 31.7 47.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

25000

20000

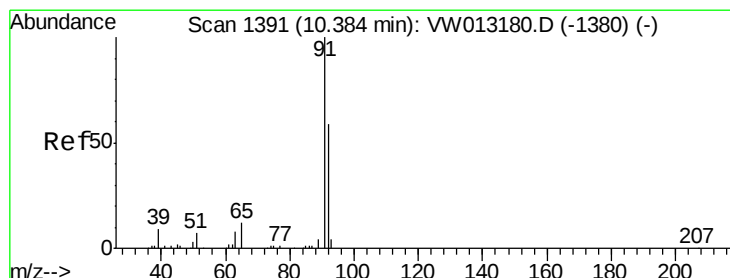
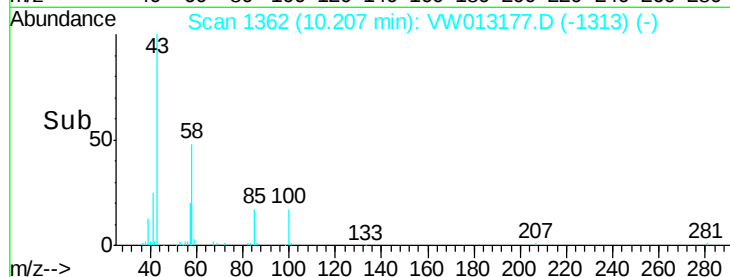
15000

10000

5000

0

Time-->



#52

Toluene

Concen: 6.385 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013177.D

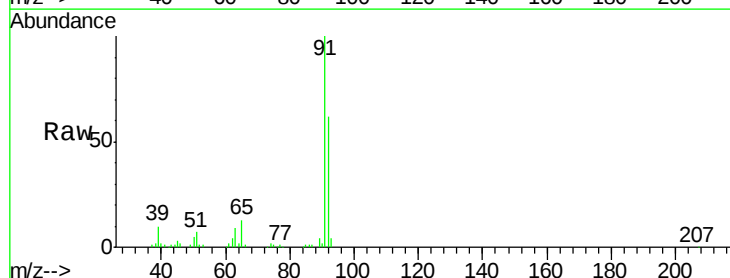
Acq: 20 Sep 2019 12:43

Tgt Ion: 92 Resp: 46016

Ion Ratio Lower Upper

92 100

91 166.9 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

50000

40000

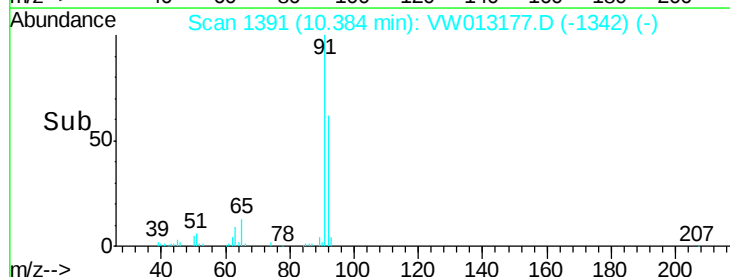
30000

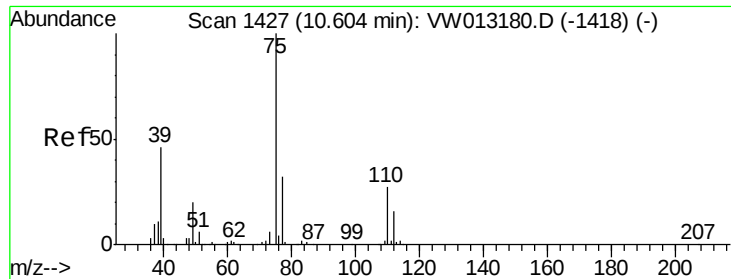
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.017 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 19852

Ion Ratio Lower Upper

75 100

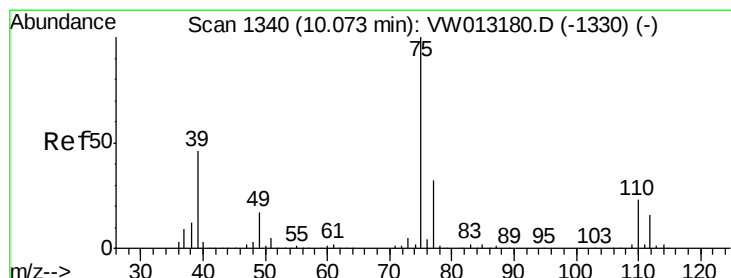
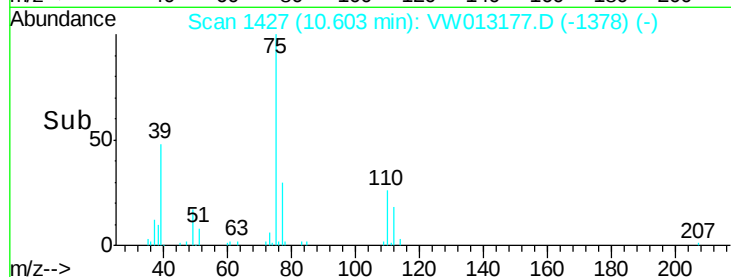
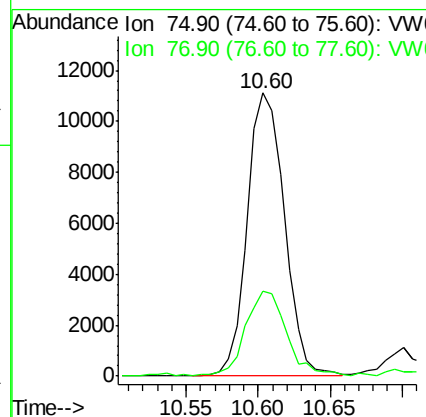
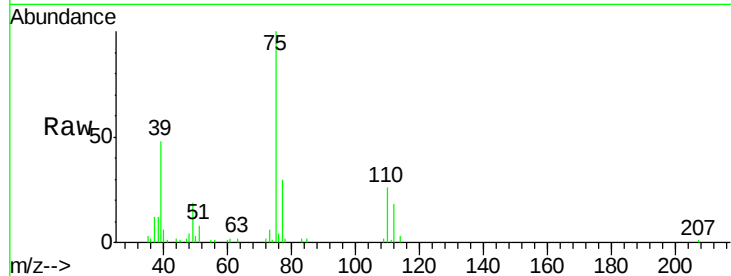
77 30.1 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 5.519 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

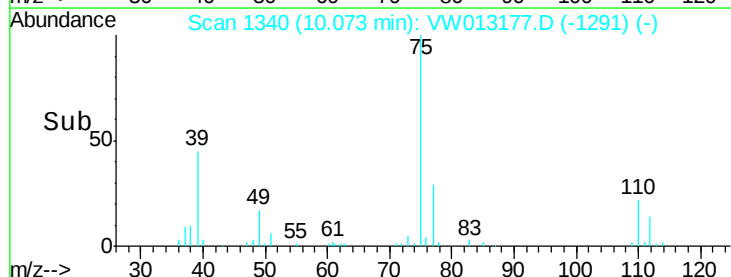
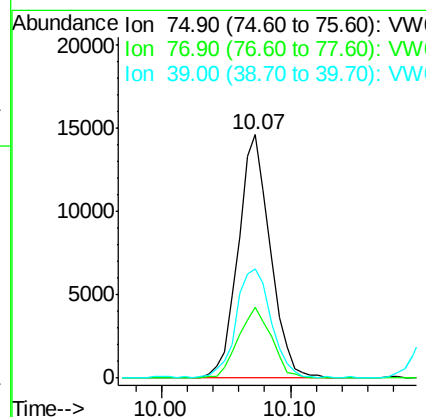
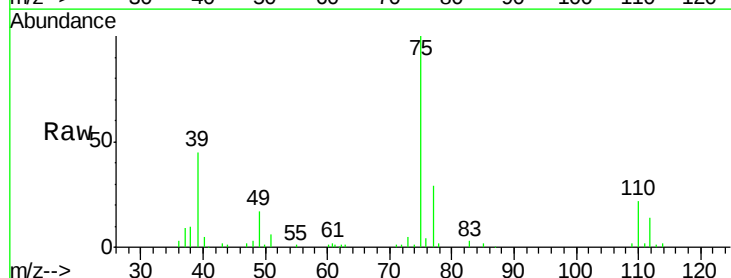
Tgt Ion: 75 Resp: 25216

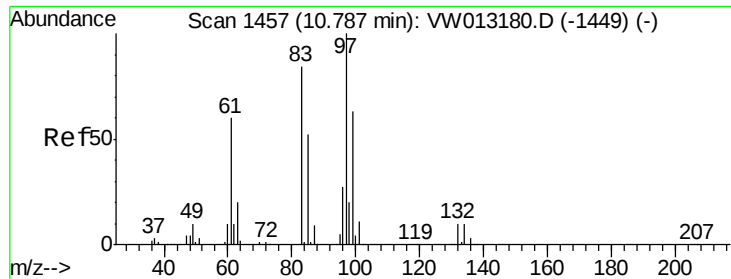
Ion Ratio Lower Upper

75 100

77 29.1 25.2 37.8

39 45.0 36.6 55.0





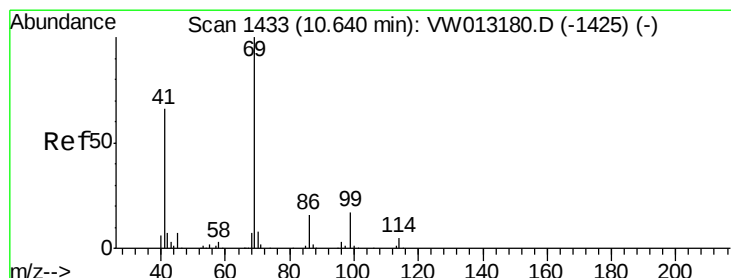
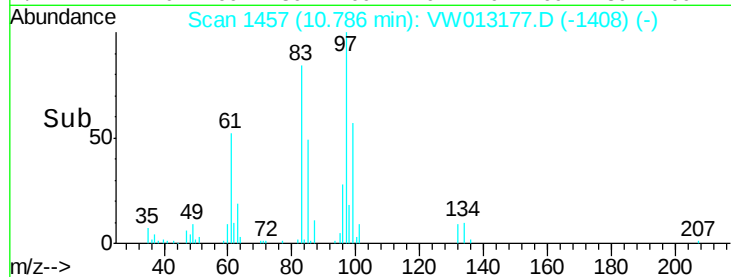
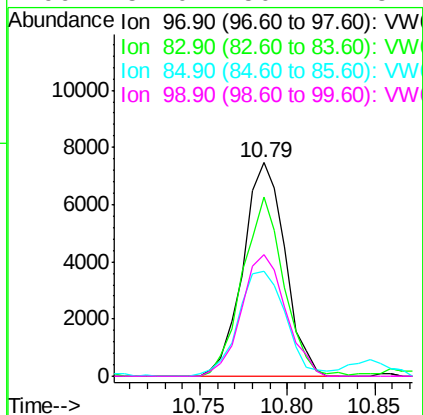
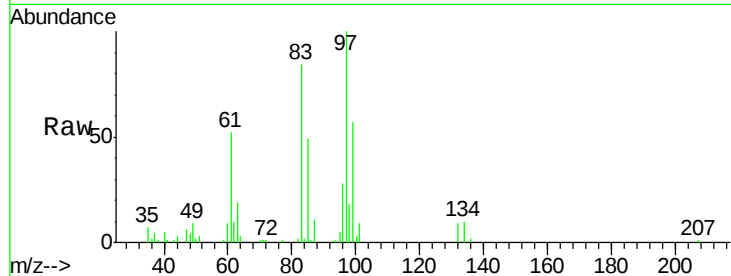
#55
 1,1,2-Trichloroethane
 Concen: 5.785 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	12466
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.6	101.4
85	48.9	41.9	62.9
99	57.0	50.1	75.1

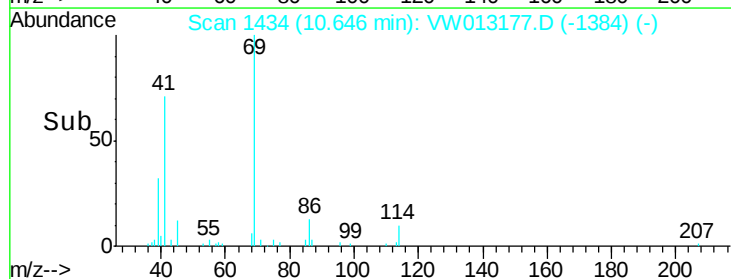
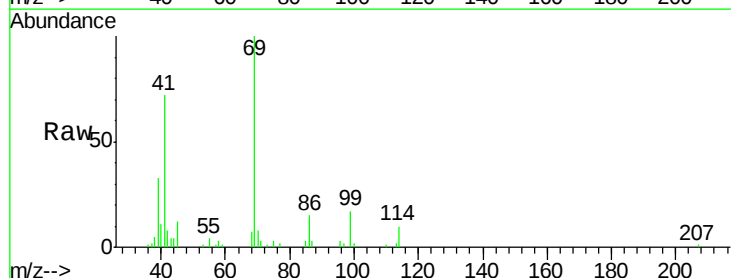
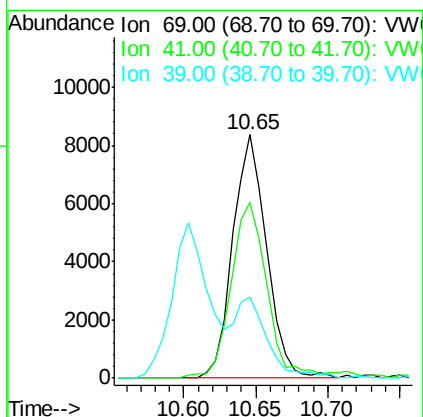
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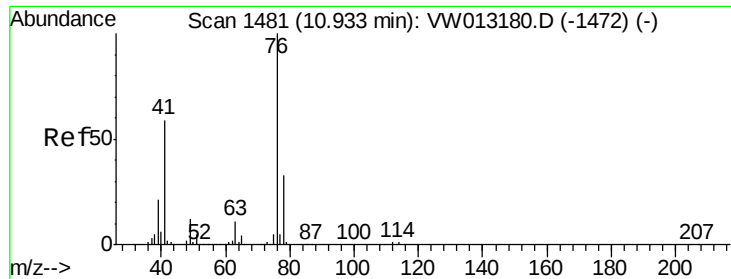
MMDadoda
 9/24/2019 5:28:40 AM



#56
 Ethyl methacrylate
 Concen: 4.755 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion:	69	Resp:	13711
Ion	Ratio	Lower	Upper
69	100		
41	76.9	53.9	80.9
39	33.1	23.8	35.6





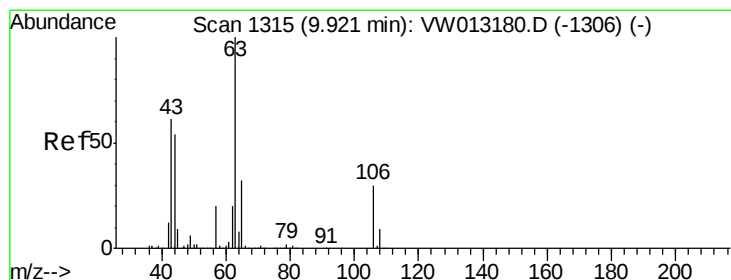
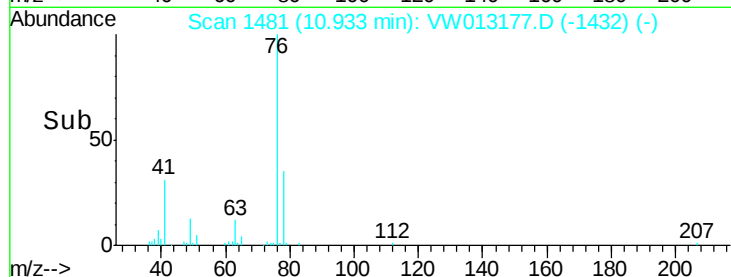
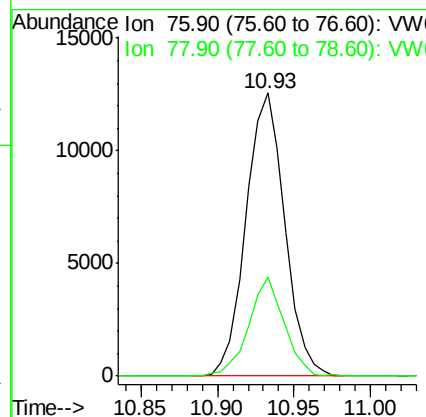
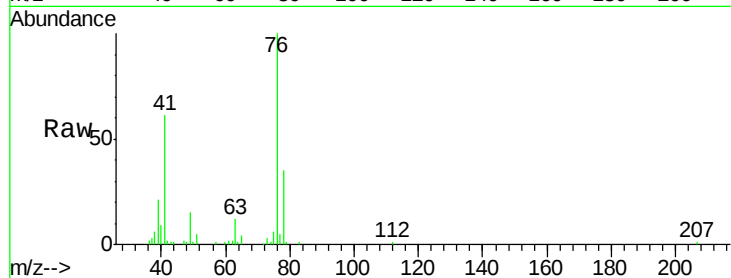
#57
 1,3-Dichloropropane
 Concen: 5.792 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

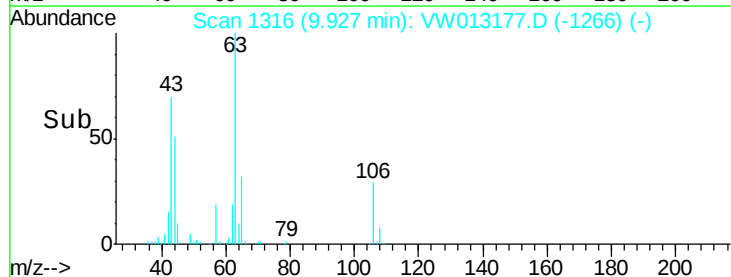
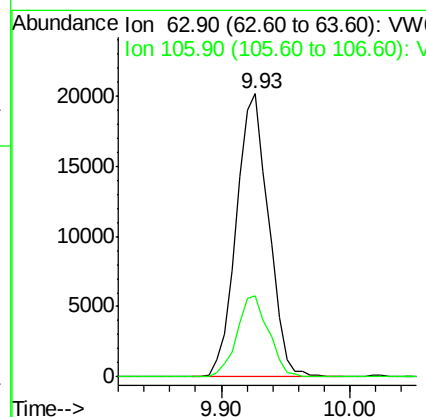
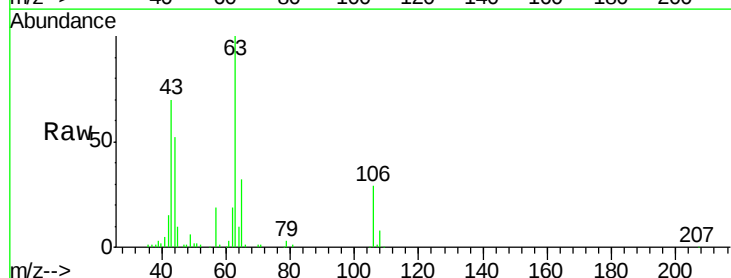
Manual Integrations
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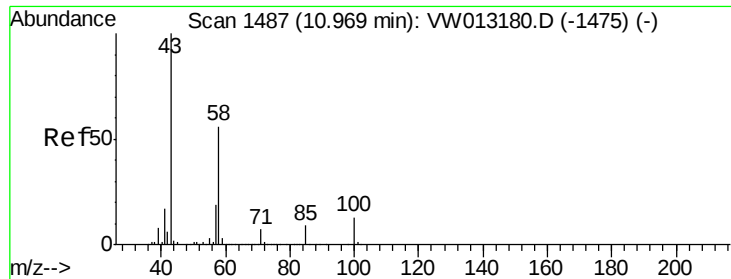
MMDadoda
 9/24/2019 5:28:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.966 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.4	35.0





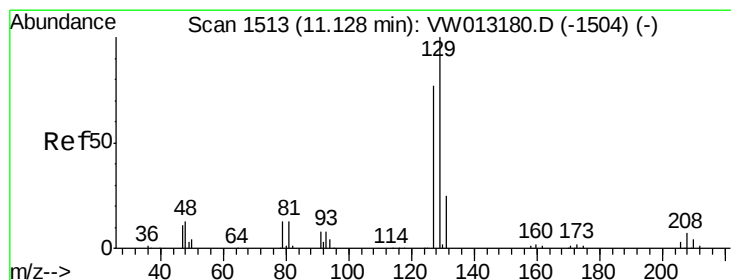
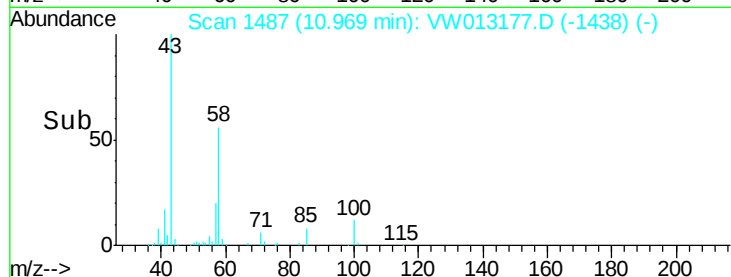
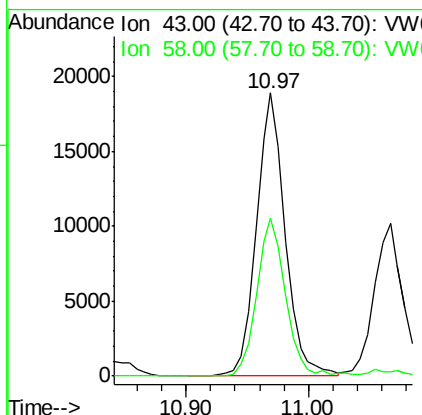
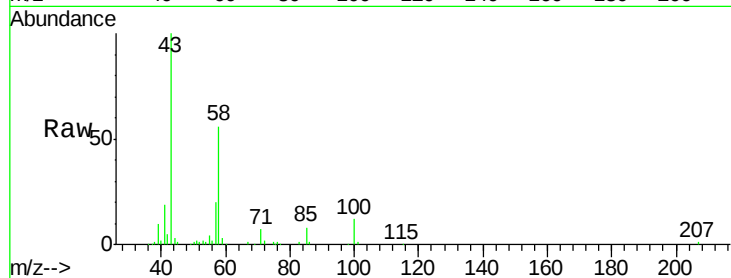
#59
2-Hexanone
Concen: 21.896 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 30816
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.2

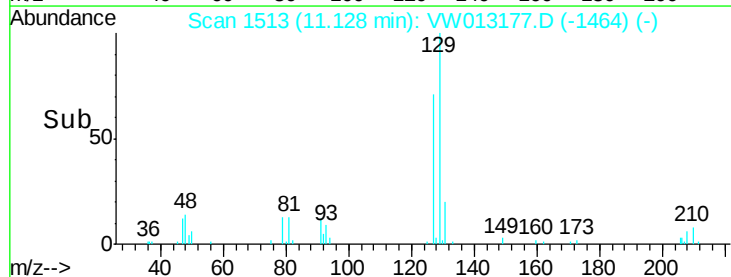
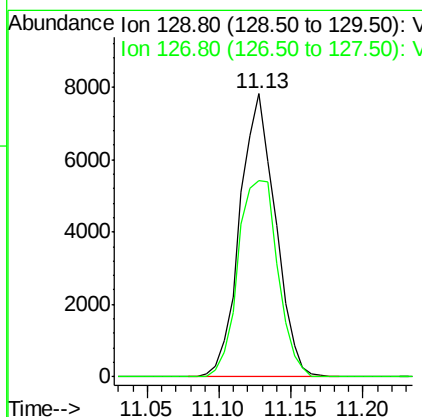
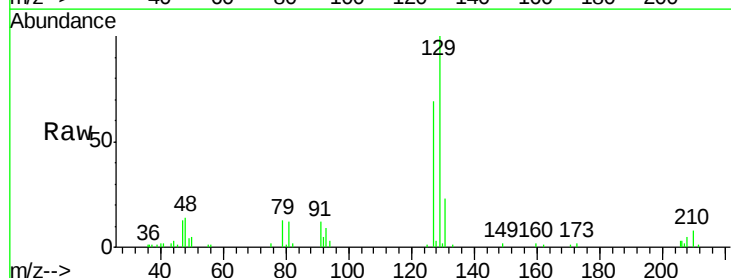
Manual Integrations
APPROVED

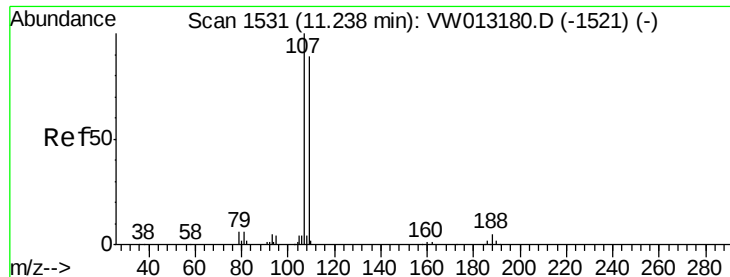
MMDadoda
9/24/2019 5:28:40 AM



#60
Dibromochloromethane
Concen: 5.197 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion: 129 Resp: 13377
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 5.978 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 11789

Ion Ratio Lower Upper

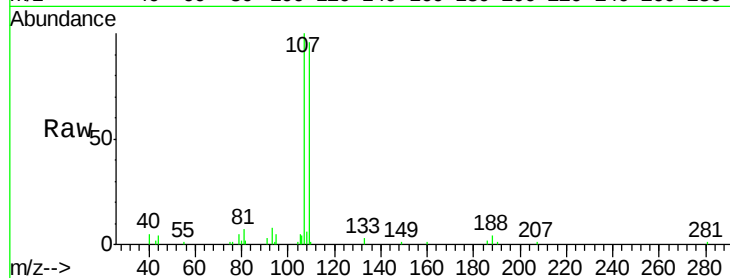
107 100

109 94.6 75.2 112.8

Manual Integrations
APPROVED

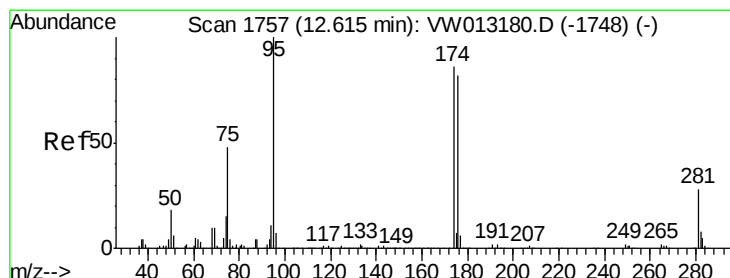
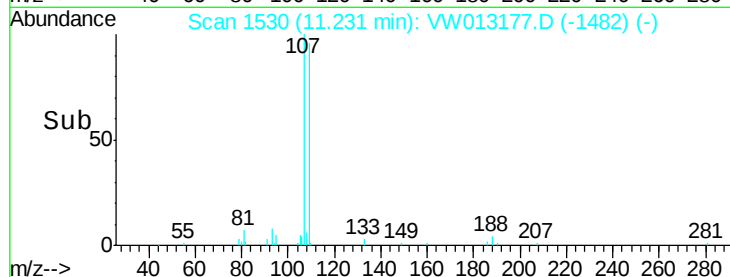
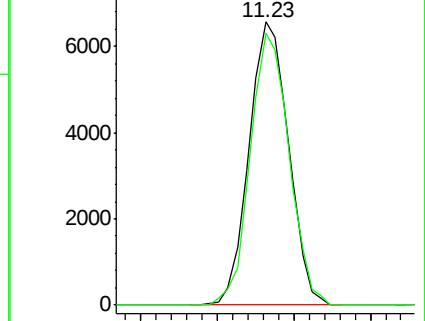
MMDadoda

9/24/2019 5:28:40 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.791 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

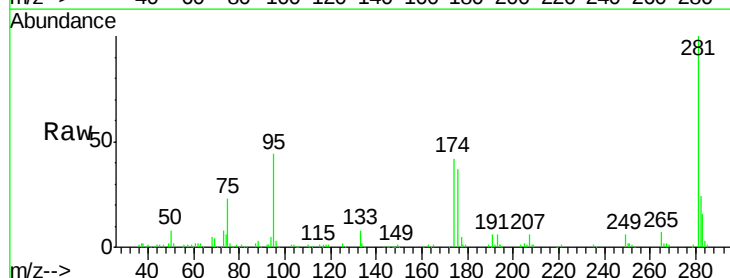
Tgt Ion: 95 Resp: 21761

Ion Ratio Lower Upper

95 100

174 92.4 0.0 178.4

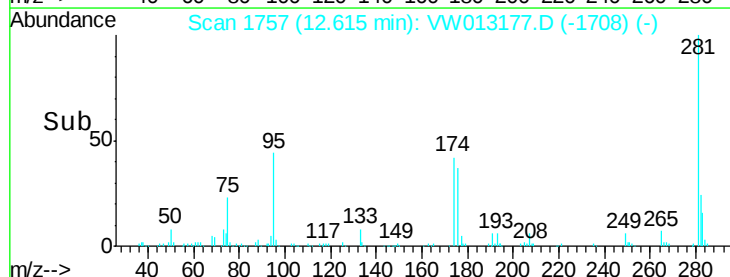
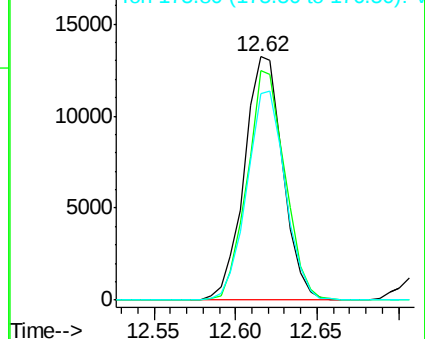
176 85.4 0.0 172.2

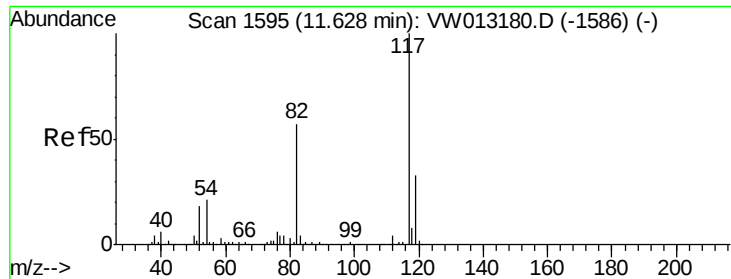


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





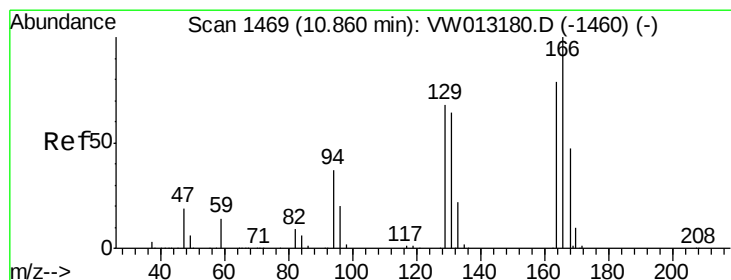
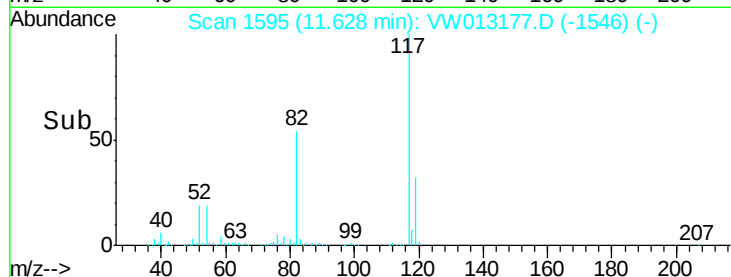
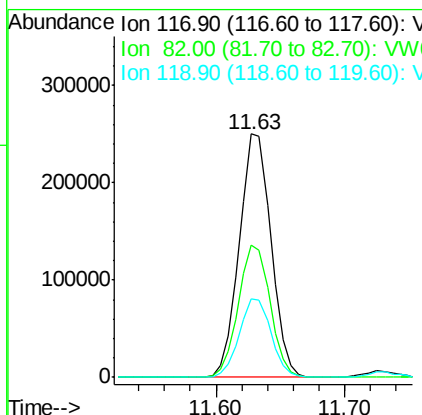
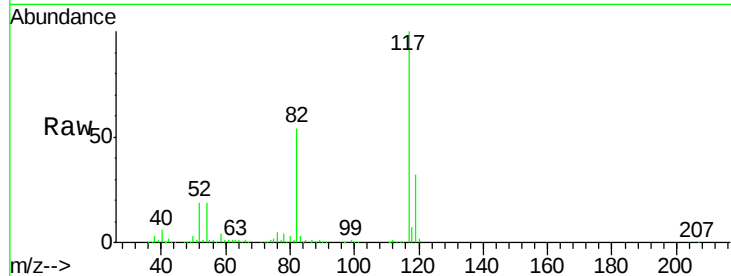
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	427372		
82	54.5		45.9	68.9
119	32.5		26.2	39.2

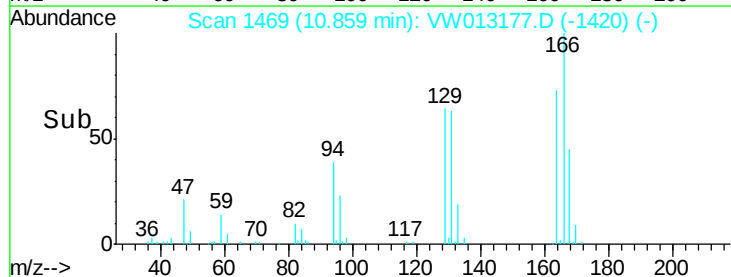
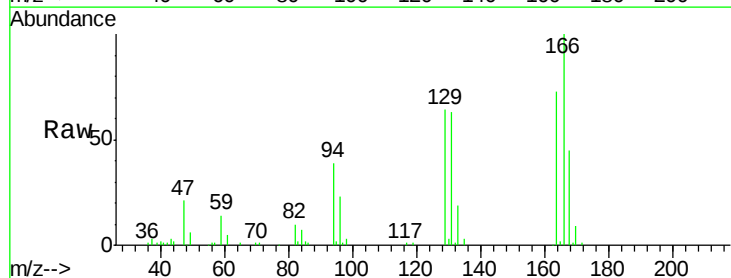
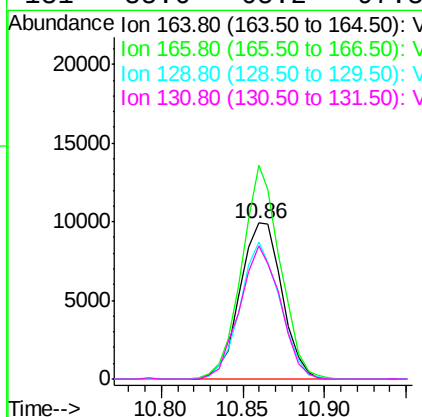
Manual Integrations
APPROVED

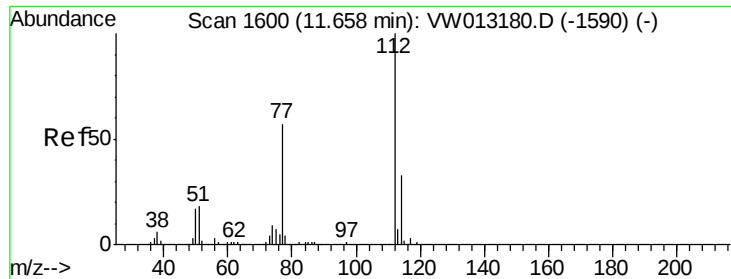
MMDadoda
9/24/2019 5:28:40 AM



#64
Tetrachloroethene
Concen: 6.664 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	17698		
166	136.8		101.2	151.8
129	87.9		68.8	103.2
131	85.6		65.2	97.8





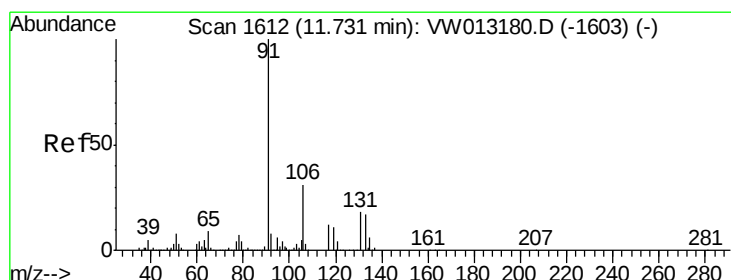
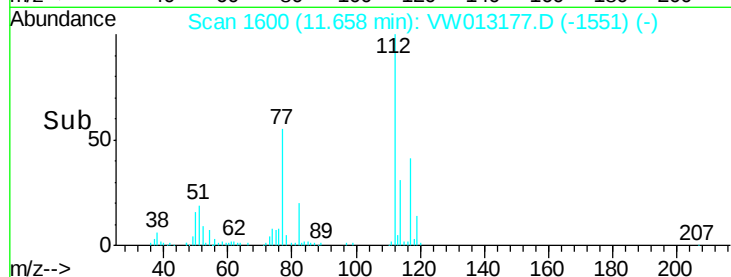
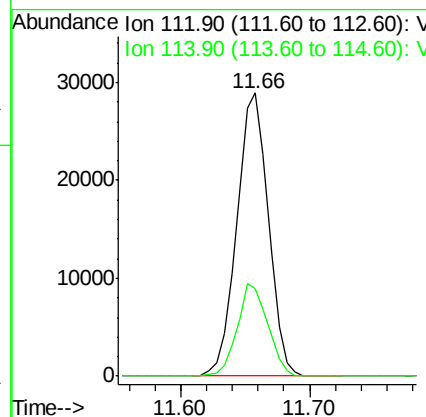
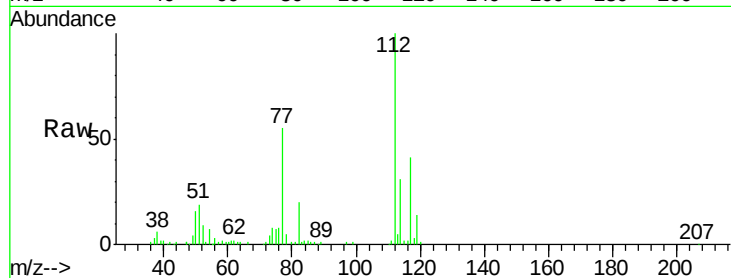
#65
Chlorobenzene
Concen: 6.283 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.5	39.7

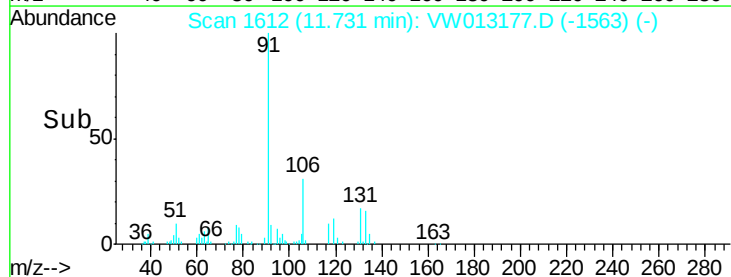
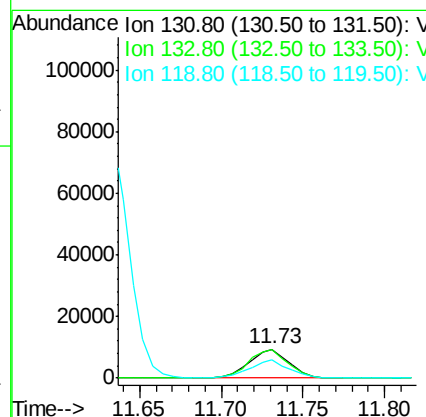
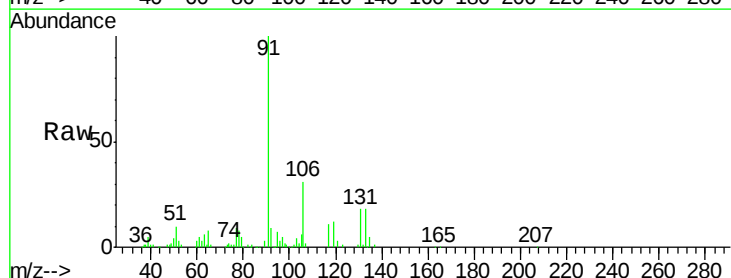
Manual Integrations
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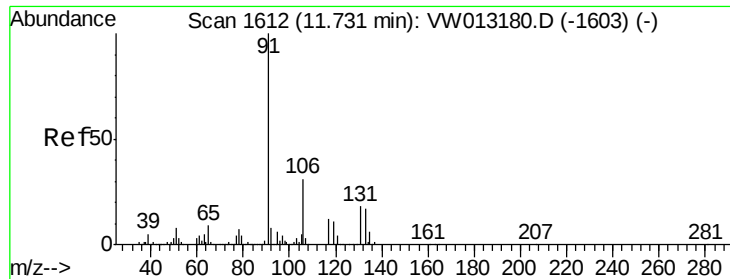
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.359 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.5	47.5	142.6
119	62.4	32.5	97.5





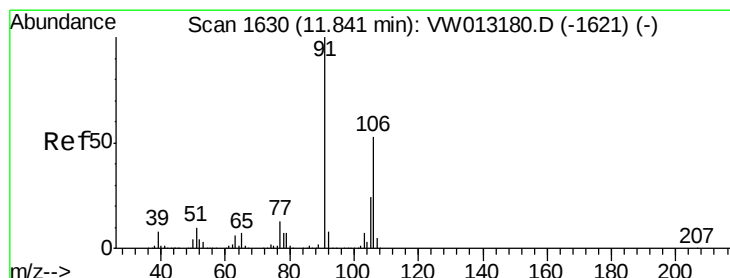
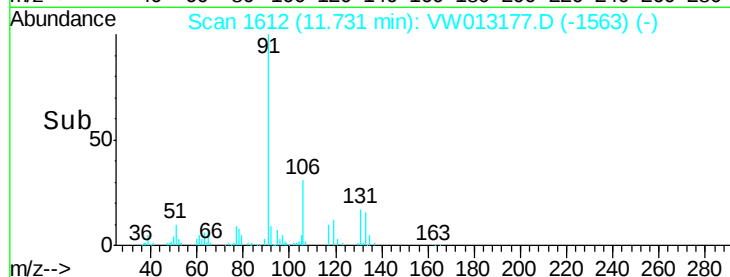
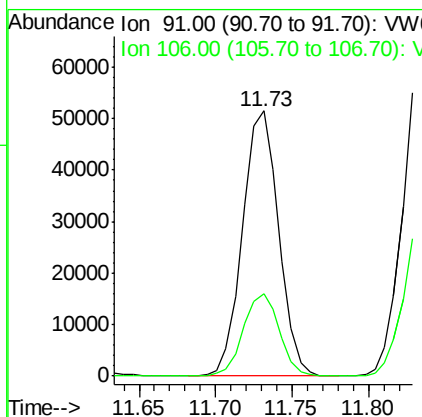
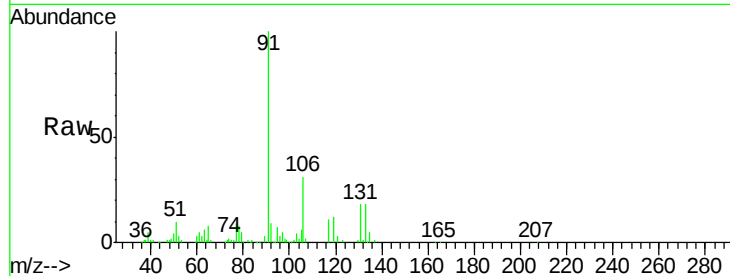
#67
Ethyl Benzene
Concen: 5.893 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	91	Resp	84656
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.9	37.3

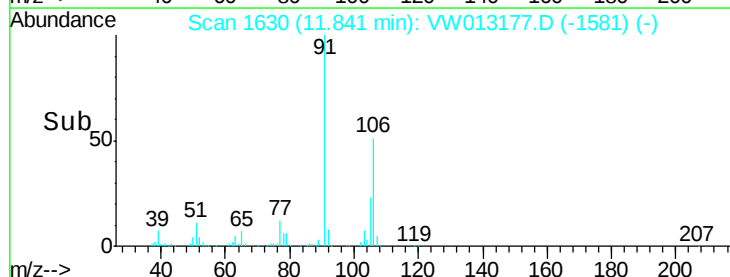
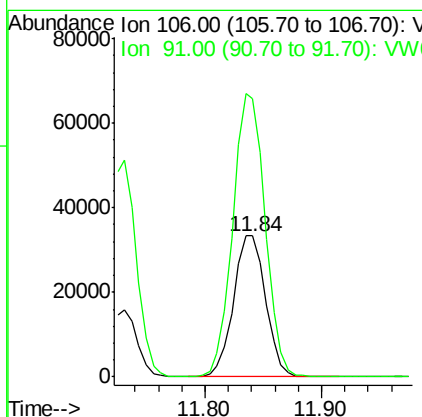
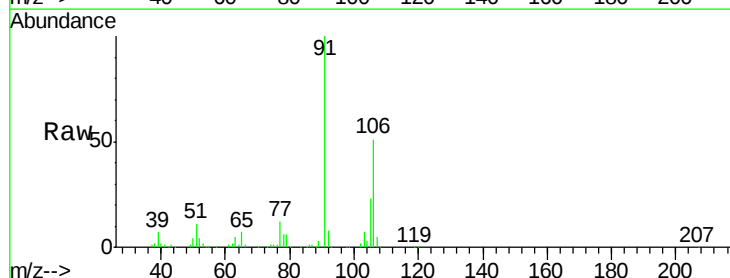
Manual Integrations
APPROVED

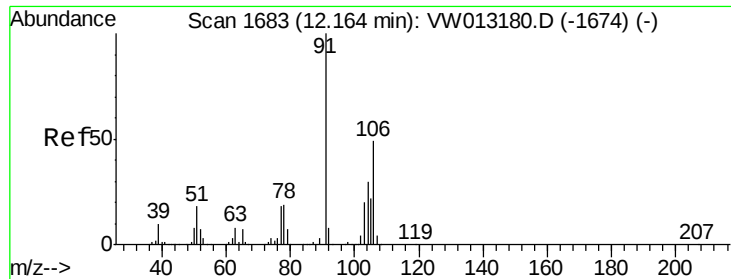
MMDadoda
9/24/2019 5:28:40 AM



#68
m/p-Xylenes
Concen: 12.126 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	106	Resp	64190
Ion Ratio	Lower	Upper	
106	100		
91	201.7	157.9	236.9





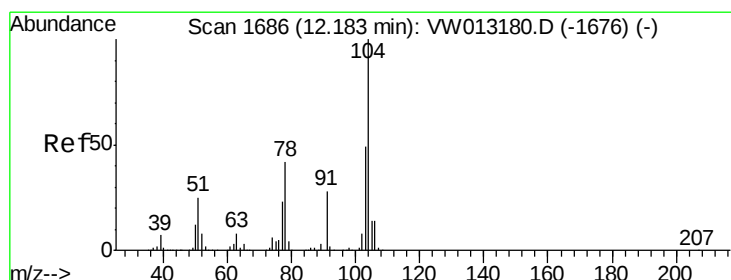
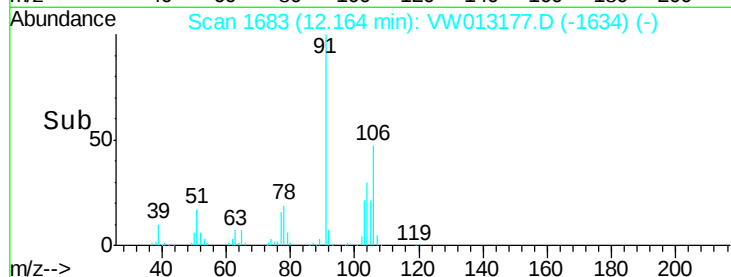
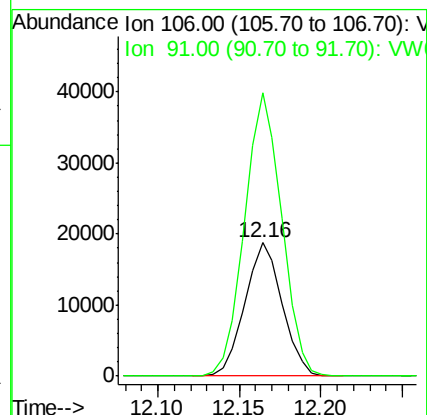
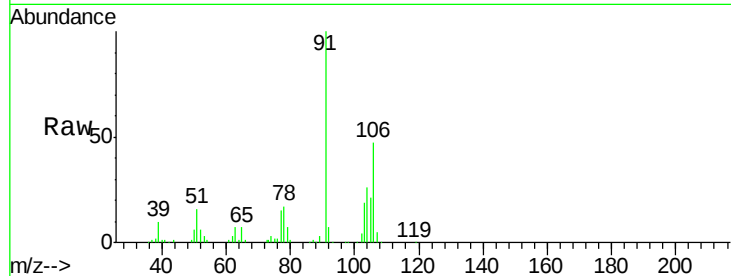
#69
o-Xylene
Concen: 6.051 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.1	106.5	319.5

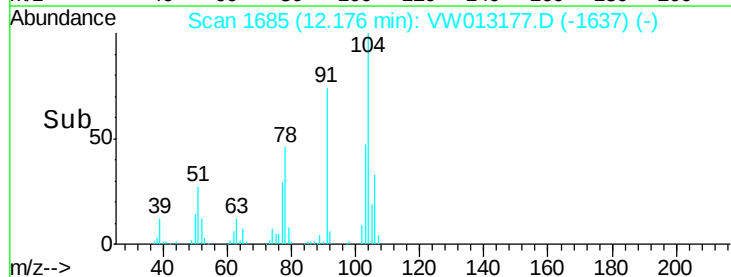
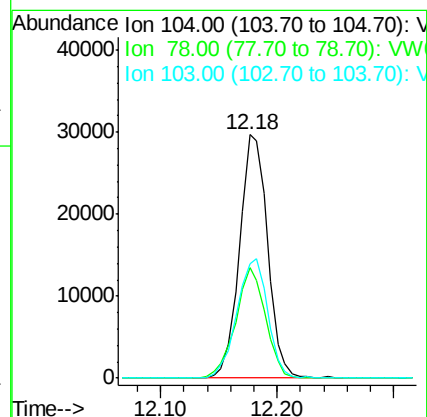
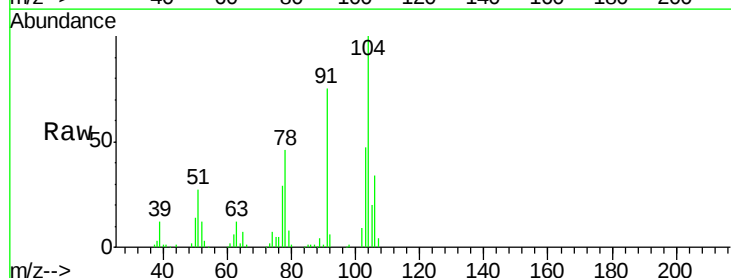
Manual Integrations
APPROVED

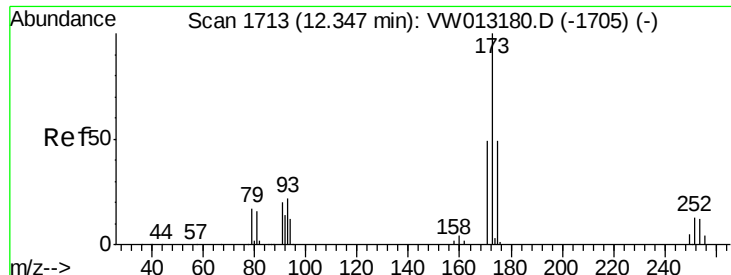
MMDadoda
9/24/2019 5:28:40 AM



#70
Styrene
Concen: 5.710 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.4	57.6
103	53.8	43.3	64.9





#71

Bromoform

Concen: 5.051 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7737

Ion Ratio Lower Upper

173 100

175 51.9 24.3 73.0

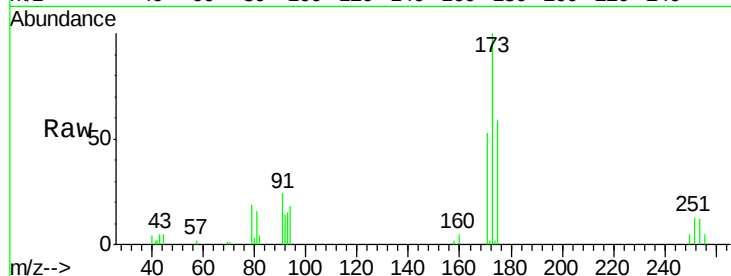
254 0.0 0.1 0.1#

Manual Integrations

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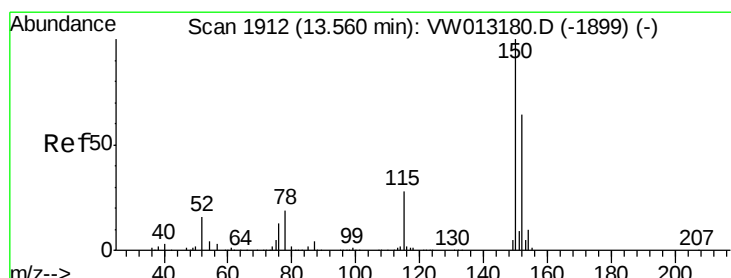
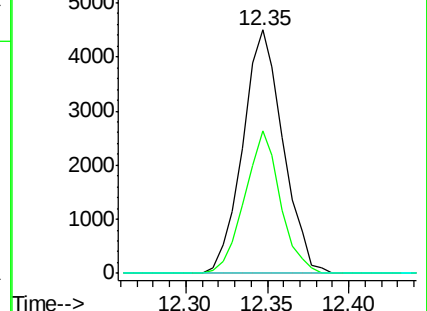
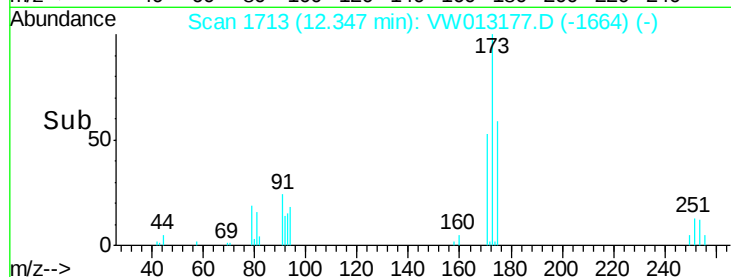
9/24/2019 5:28:40 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

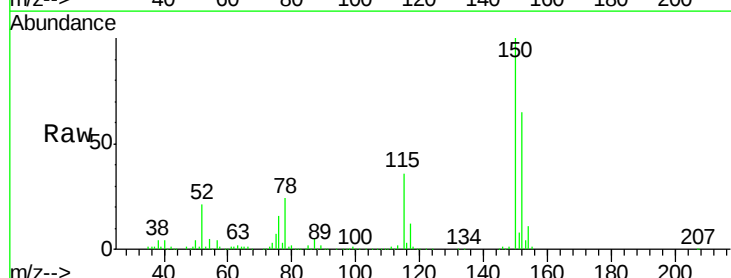
Tgt Ion:152 Resp: 216312

Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.9

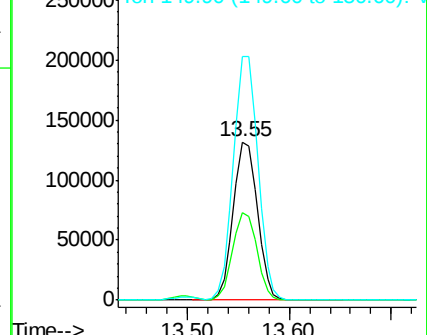
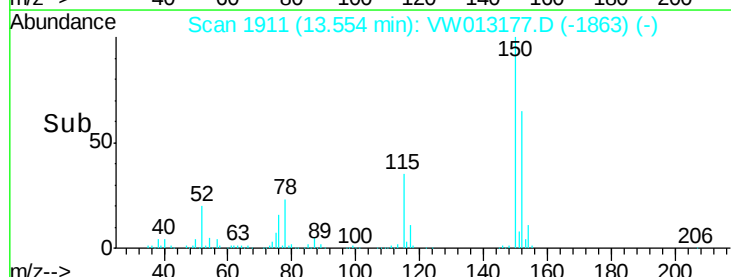
150 156.6 0.0 349.0

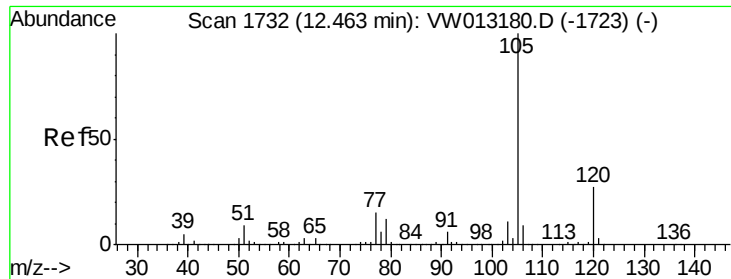


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.620 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 81858

Ion Ratio Lower Upper

105 100

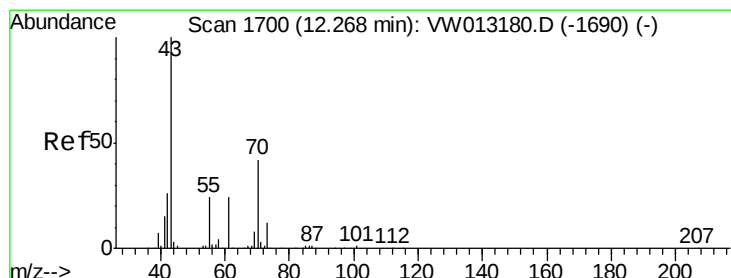
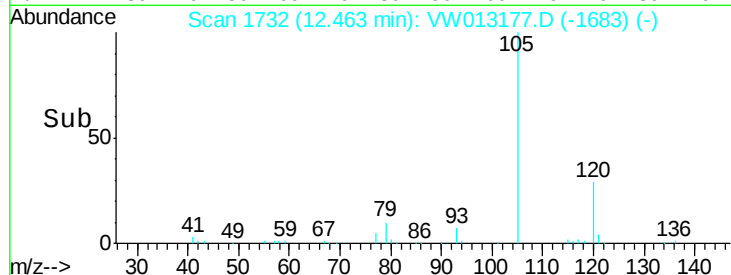
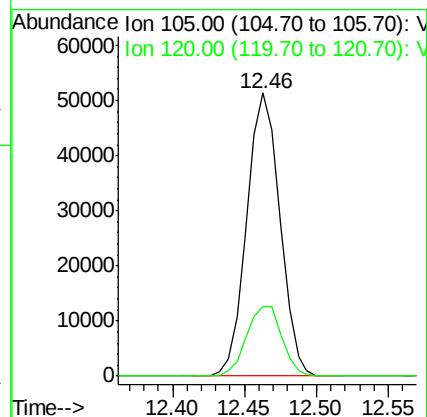
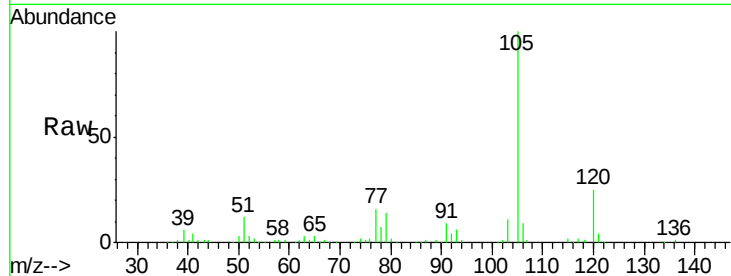
120 26.2 13.4 40.1

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#74

N-ethyl acetate

Concen: 4.572 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion: 43 Resp: 16697

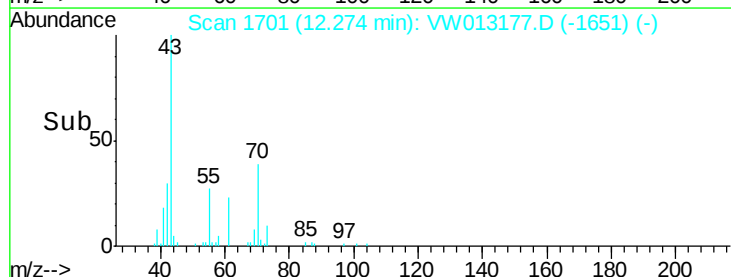
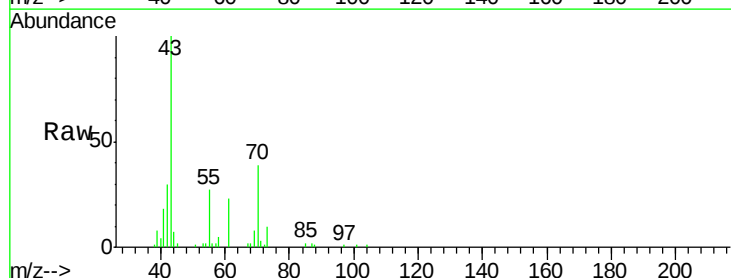
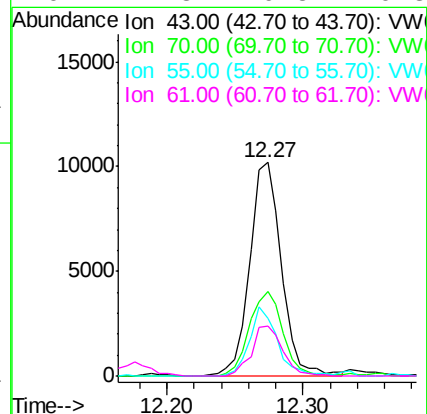
Ion Ratio Lower Upper

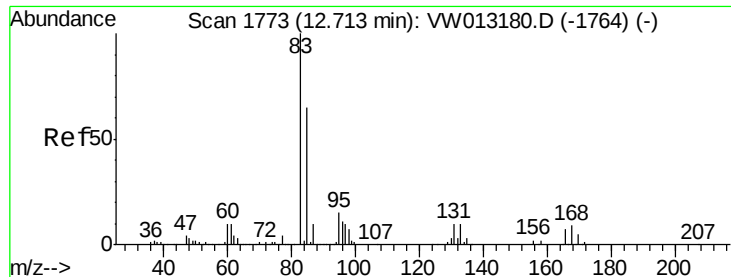
43 100

70 41.7 35.1 52.7

55 28.2 19.9 29.9

61 22.8 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.616 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

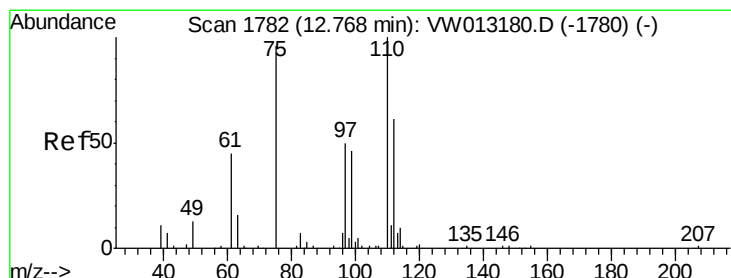
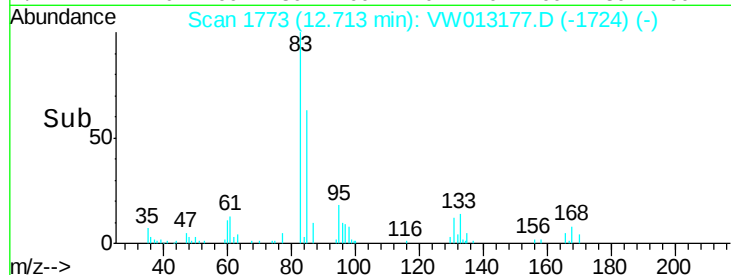
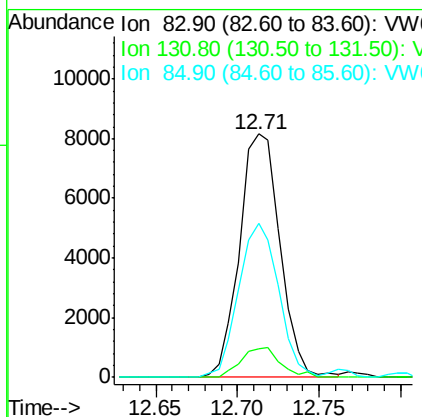
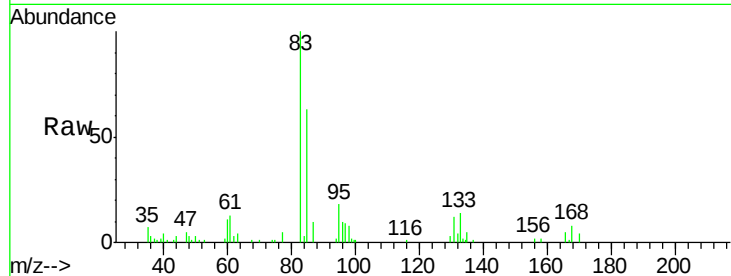
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14141
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.4	16.2
85	62.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.705 ug/l m

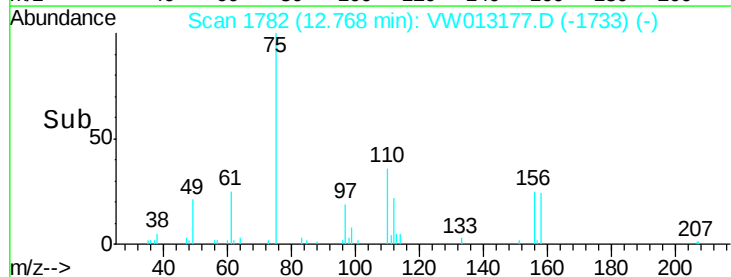
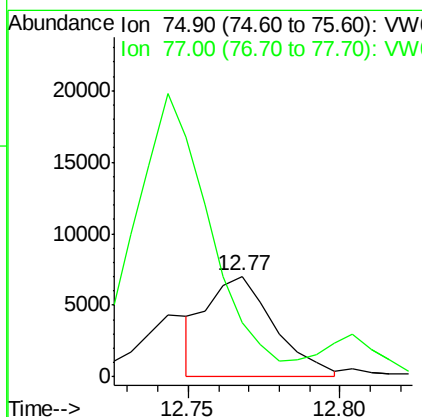
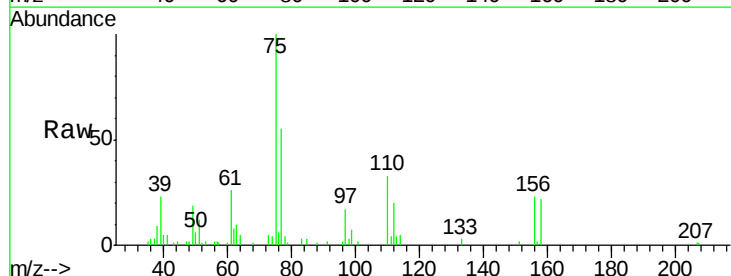
RT: 12.77 min Scan# 1782

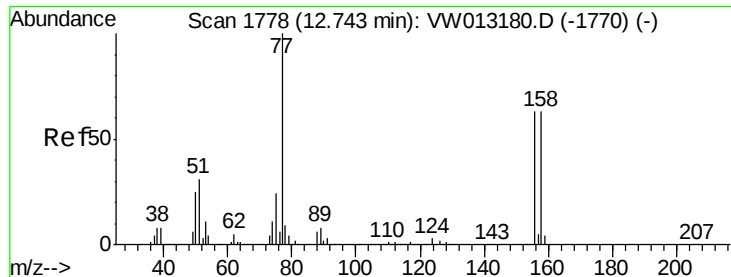
Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion:	75	Resp:	10765
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.866 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 19907

Ion Ratio Lower Upper

156 100

77 172.0 85.7 257.1

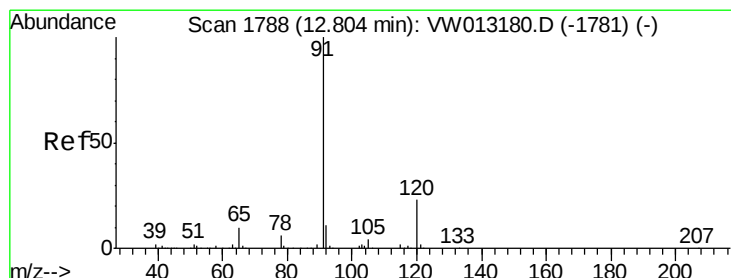
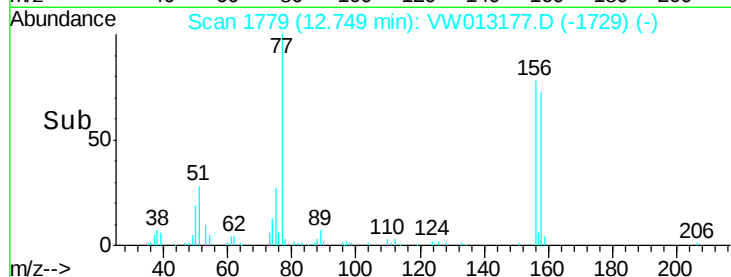
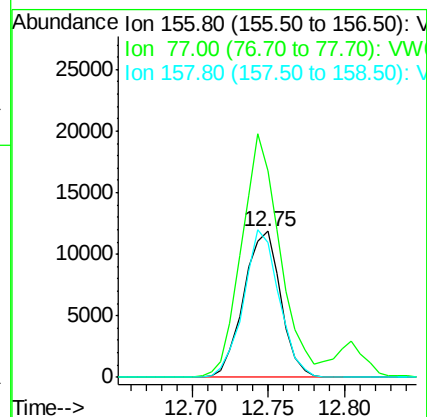
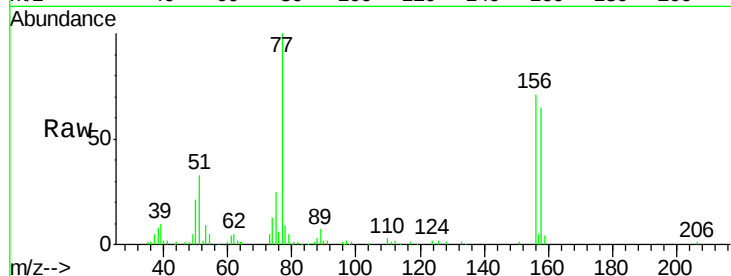
158 97.4 48.1 144.4

Manual Integrations

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#78

n-propylbenzene

Concen: 5.651 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013177.D

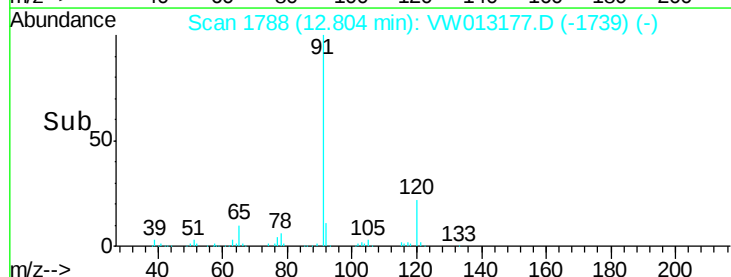
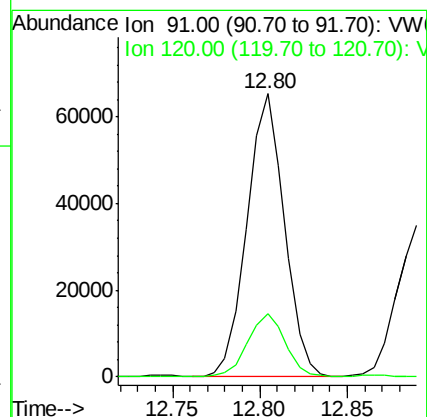
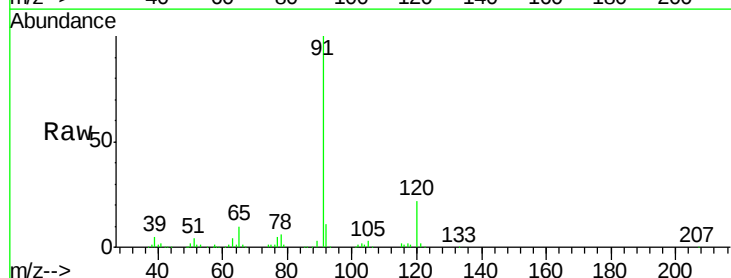
Acq: 20 Sep 2019 12:43

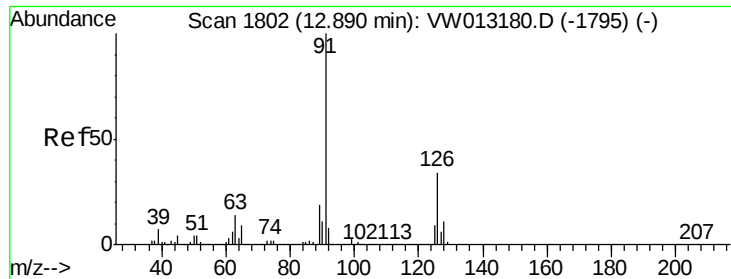
Tgt Ion: 91 Resp: 96757

Ion Ratio Lower Upper

91 100

120 22.4 11.7 35.1





#79

2-Chlorotoluene

Concen: 5.647 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 55397

Ion Ratio Lower Upper

91 100

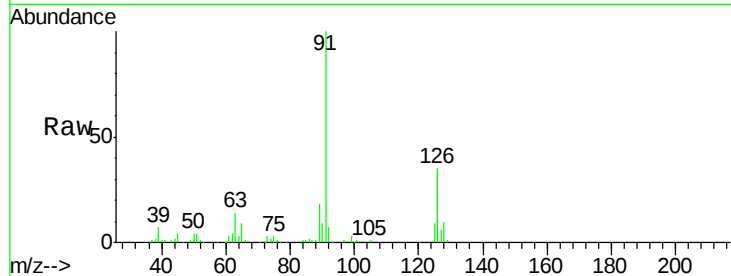
126 34.6 17.2 51.5

Manual Integrations

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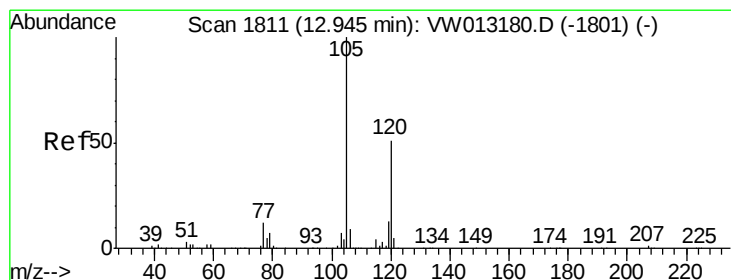
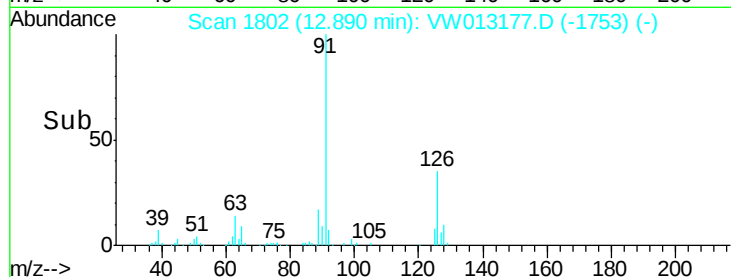
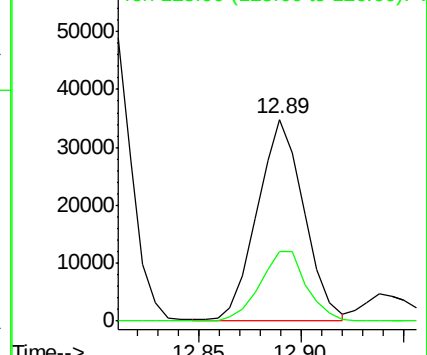
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 5.639 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013177.D

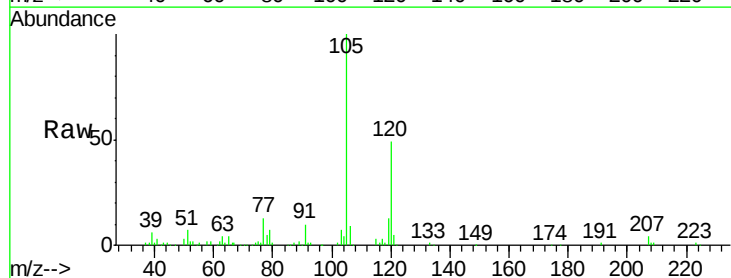
Acq: 20 Sep 2019 12:43

Tgt Ion: 105 Resp: 69583

Ion Ratio Lower Upper

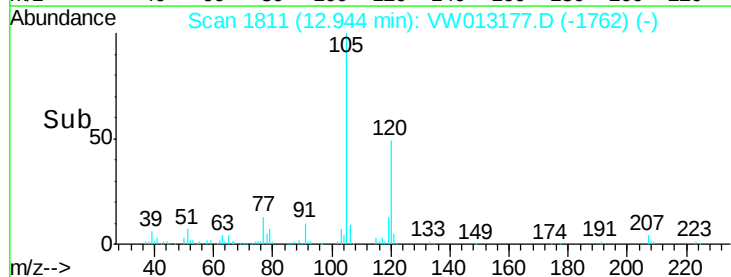
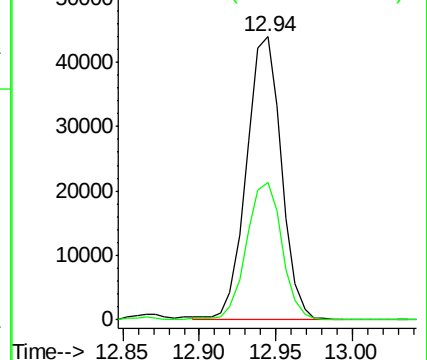
105 100

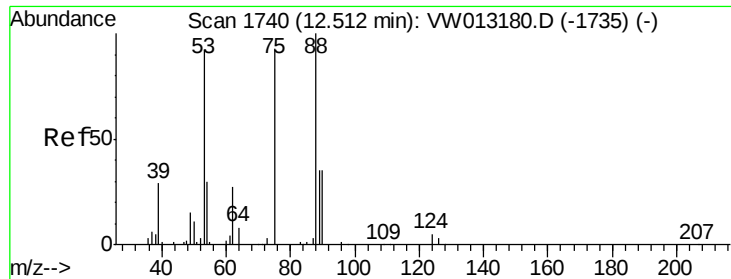
120 49.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.386 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

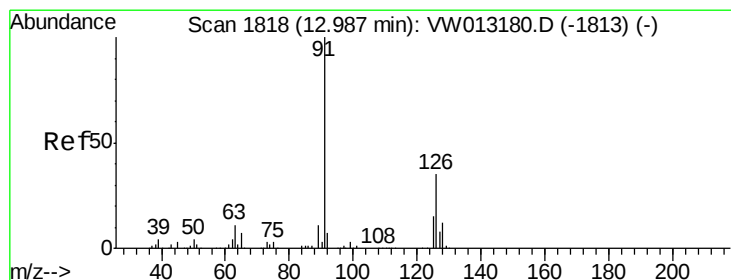
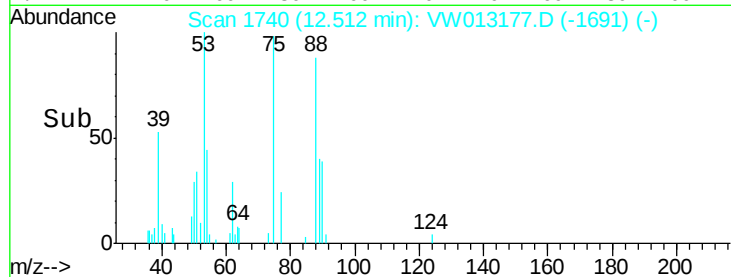
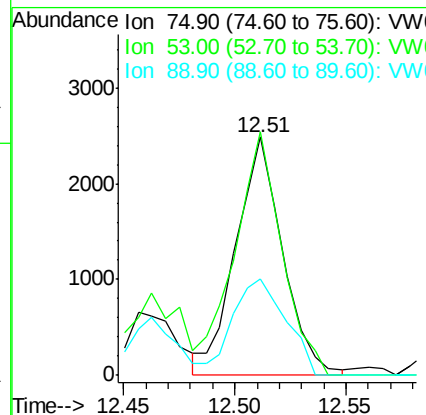
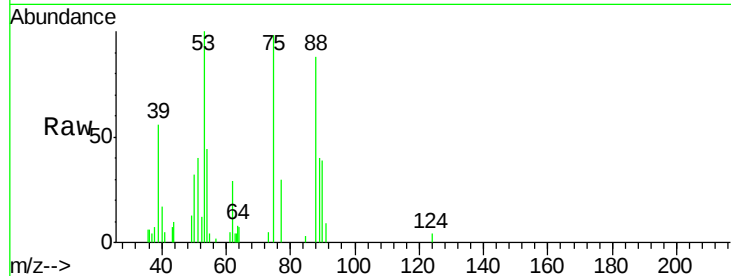
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3658
Ion	Ratio	Lower	Upper
75	100		
53	102.8	76.6	114.8
89	44.9	33.5	50.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.713 ug/l

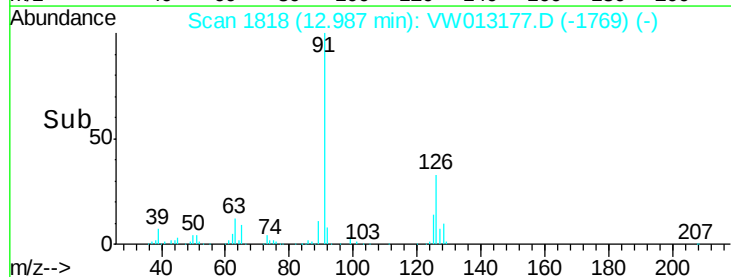
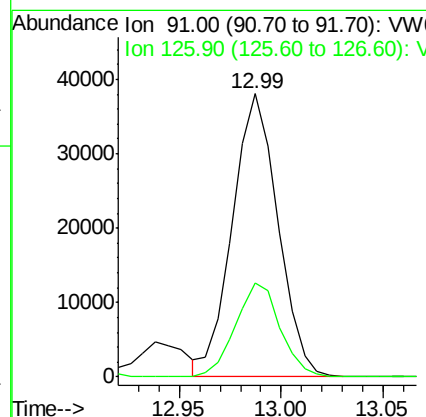
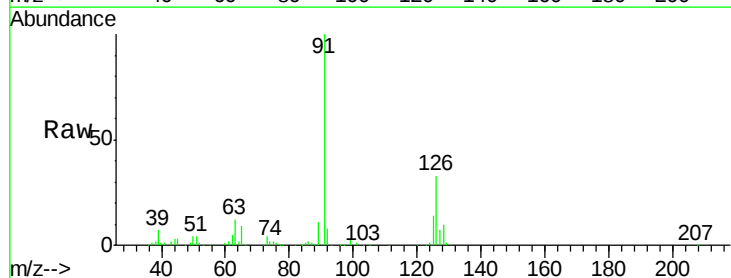
RT: 12.99 min Scan# 1818

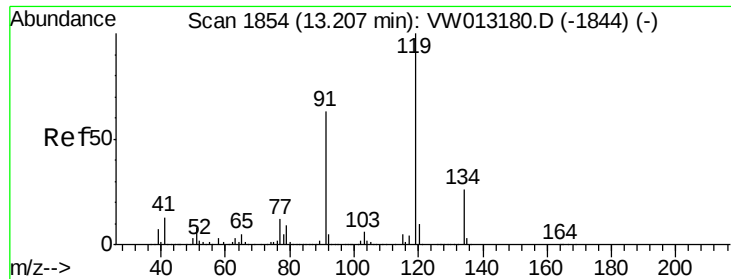
Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion:	91	Resp:	58821
Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.3	51.7





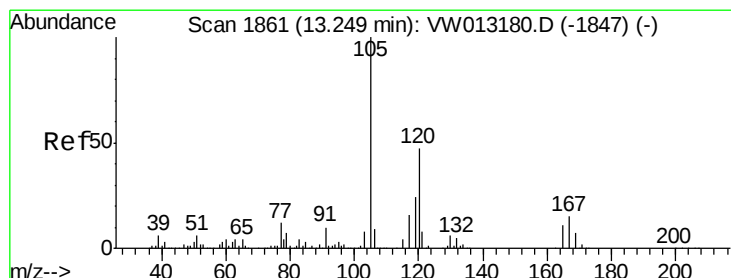
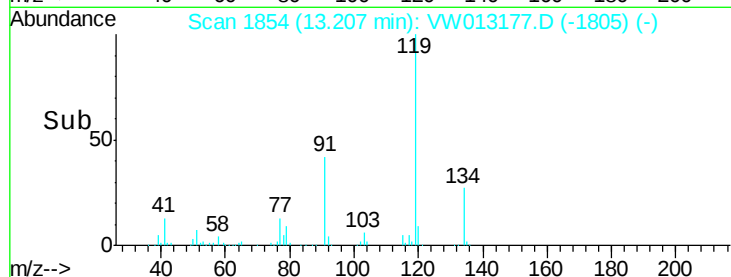
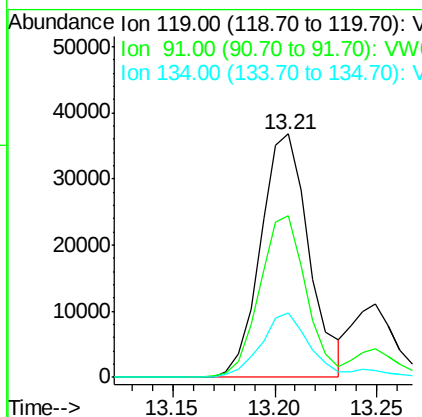
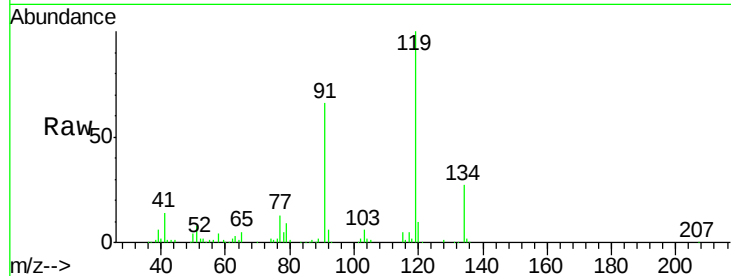
#83
tert-Butylbenzene
Concen: 5.532 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.7	92.1
134	26.6	12.6	37.6

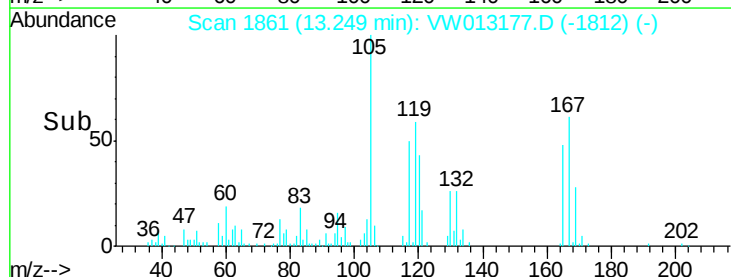
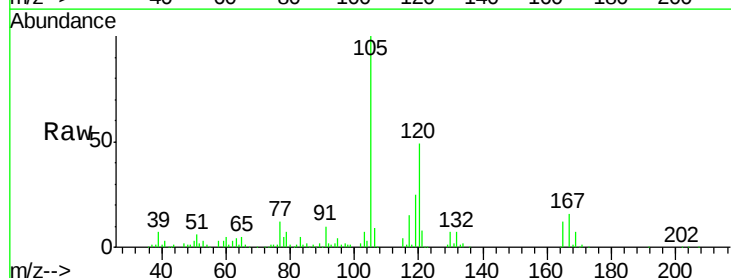
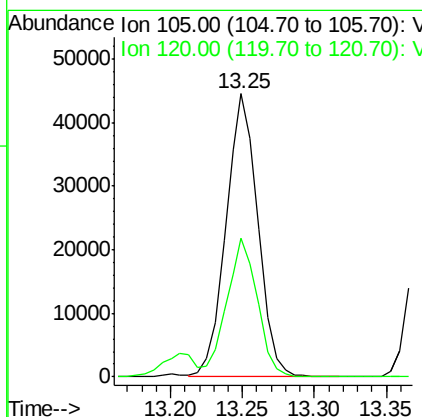
Manual Integrations
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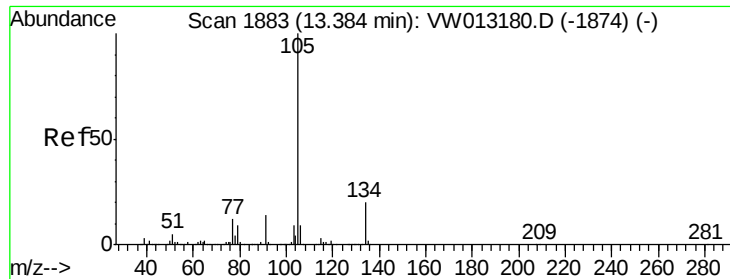
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 5.665 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 5.675 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 85205

Ion Ratio Lower Upper

105 100

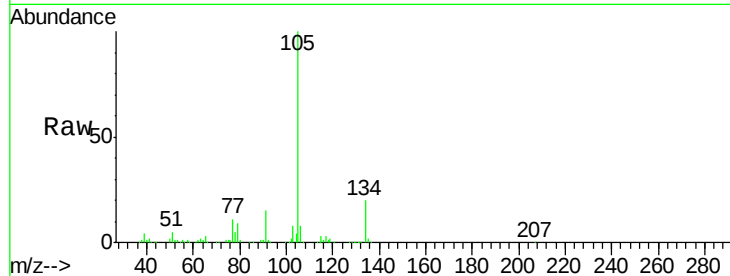
134 20.7 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

60000

50000

40000

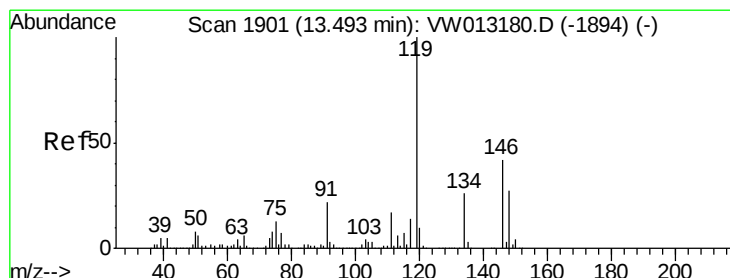
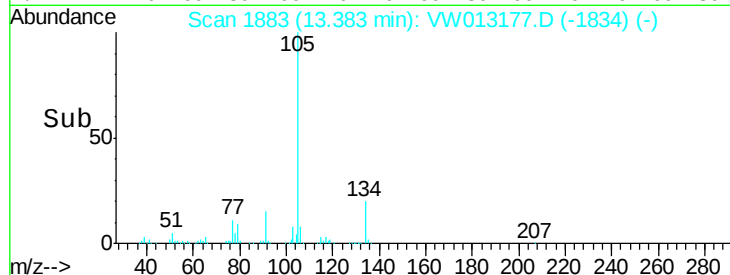
30000

20000

10000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.685 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

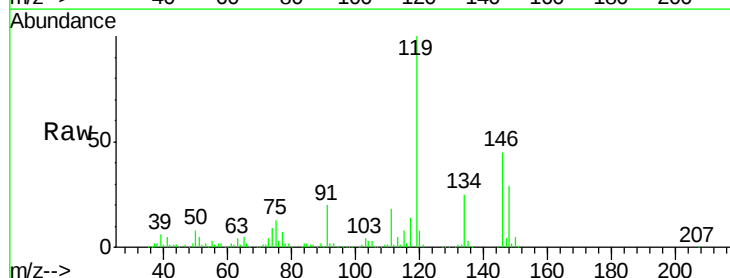
Tgt Ion:119 Resp: 78484

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 21.7 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

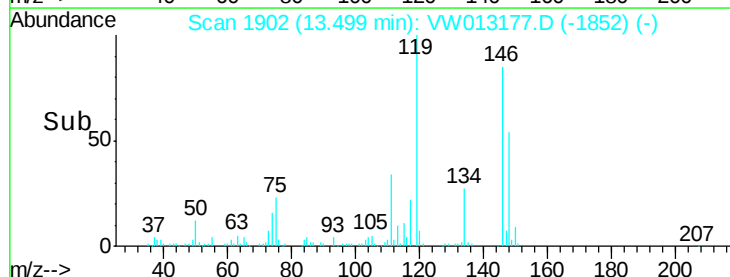
60000

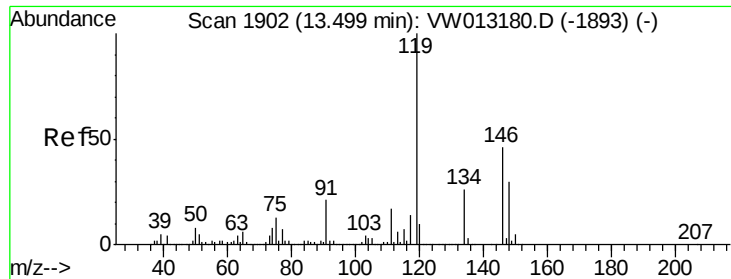
40000

20000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 5.866 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

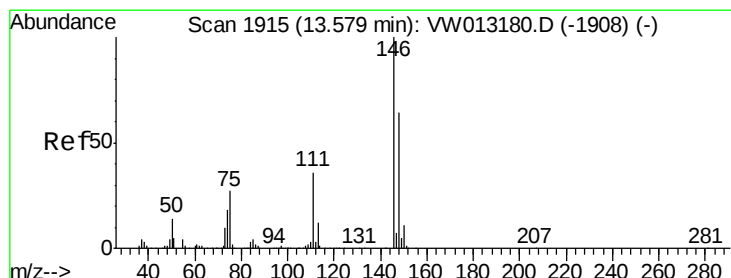
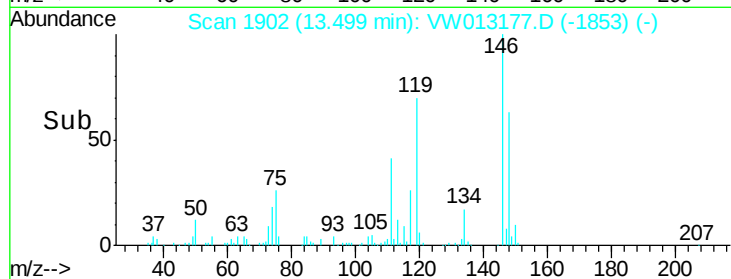
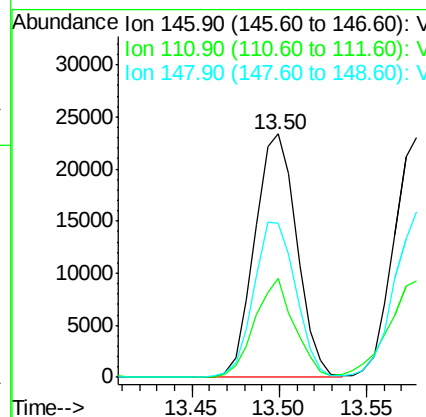
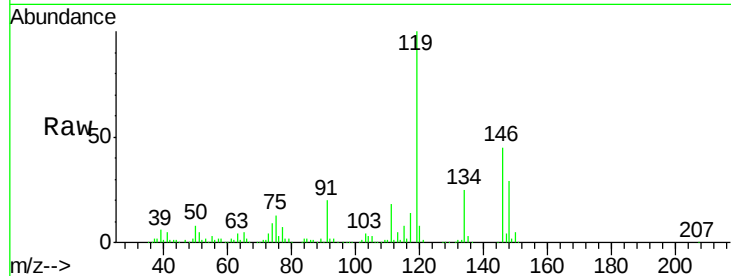
Instrument :
MSVOA_W

ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.8	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.846 ug/l

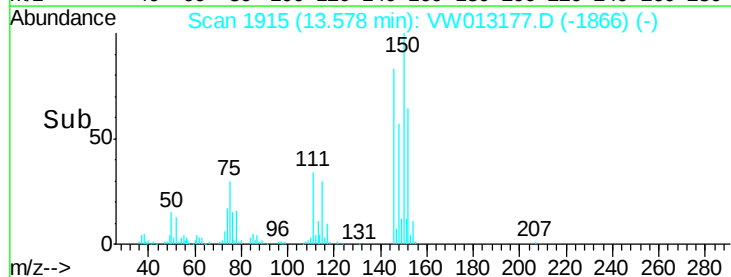
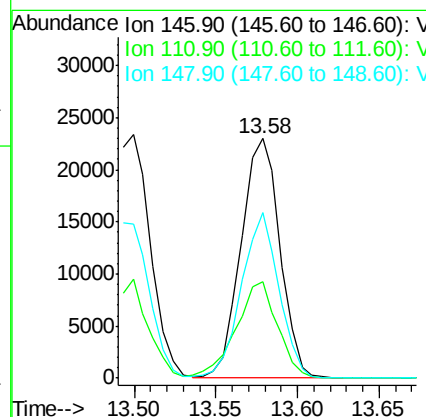
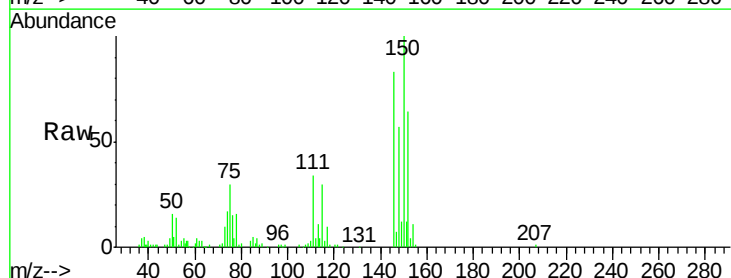
RT: 13.58 min Scan# 1915

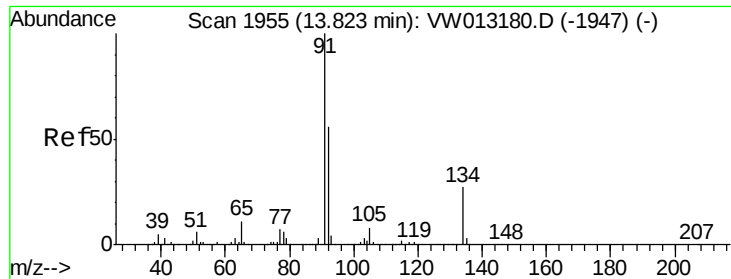
Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	18.4	55.0
148	66.8	32.1	96.3





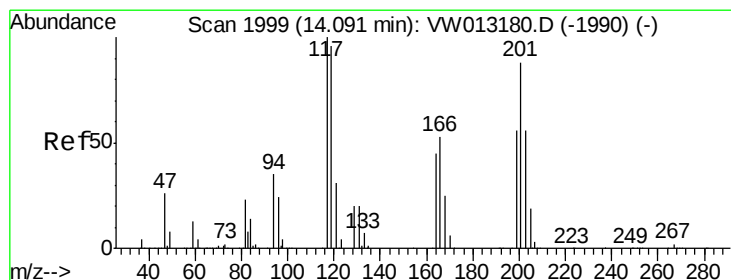
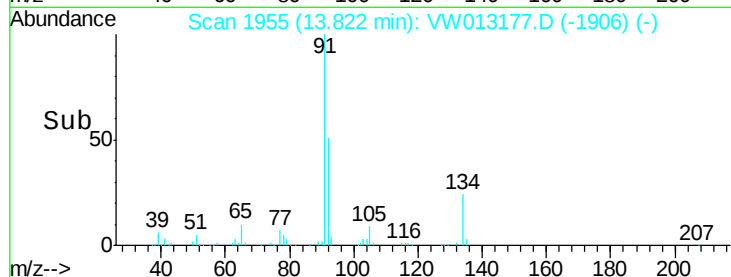
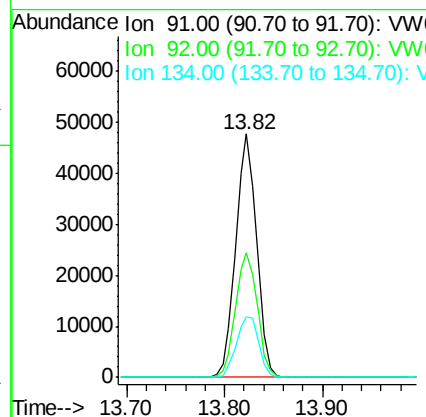
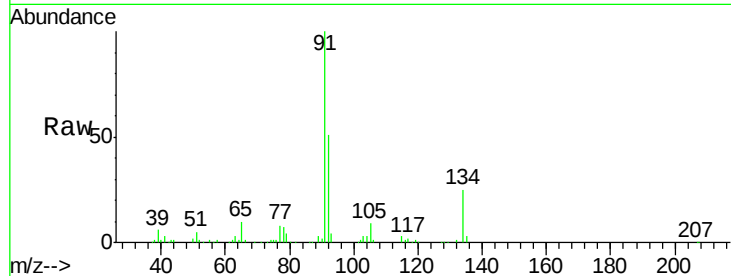
#89
n-Butylbenzene
Concen: 5.483 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.6	82.8
134	26.8	13.7	41.1

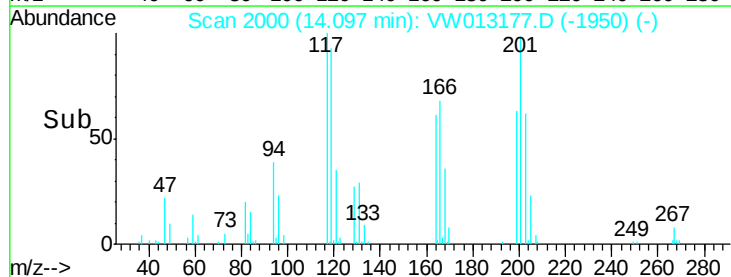
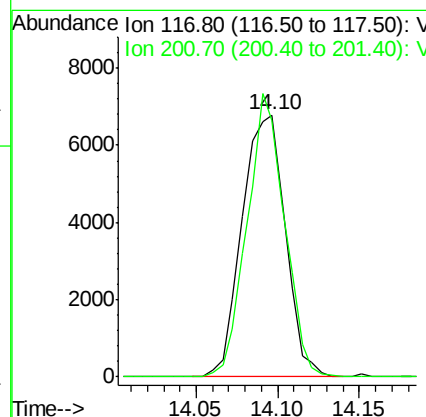
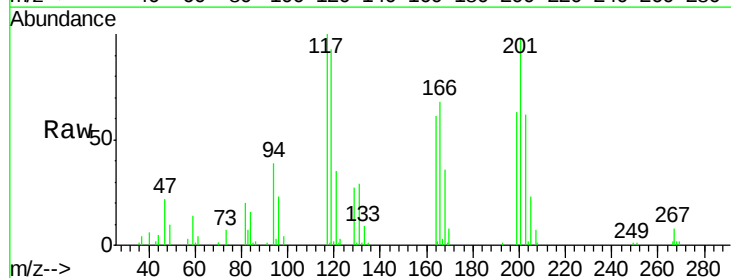
Manual Integrations
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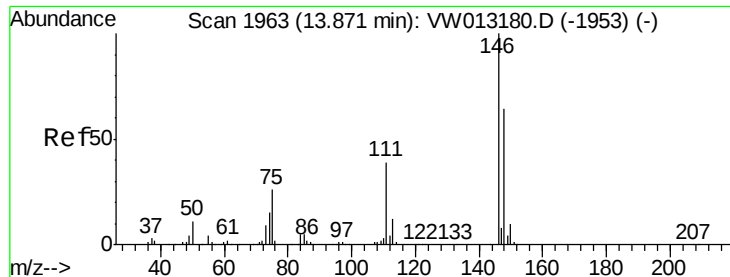
MMDadoda
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#90
Hexachloroethane
Concen: 5.111 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.5	44.5	133.5





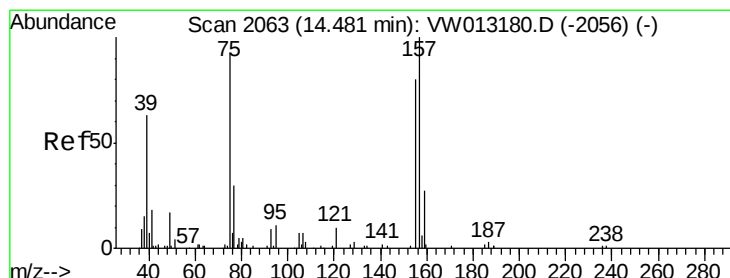
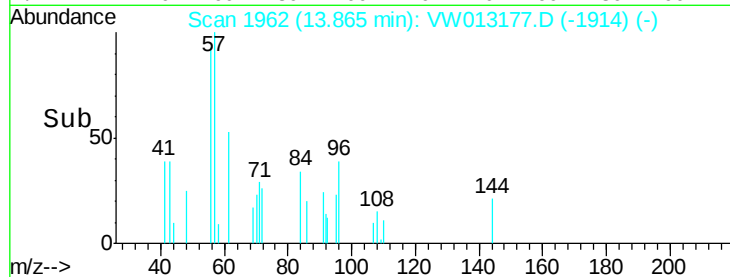
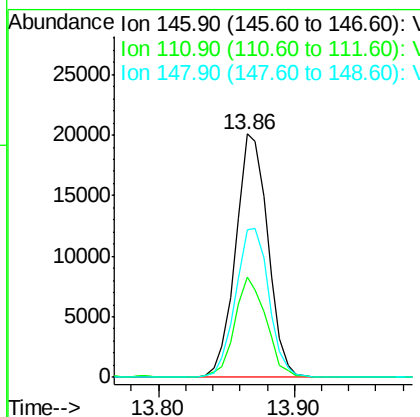
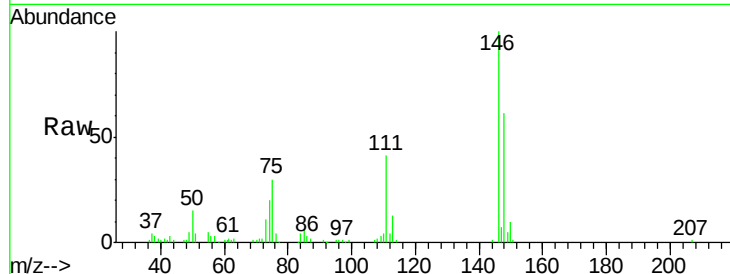
#91
 1,2-Dichlorobenzene
 Concen: 5.676 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.3
148	63.3	32.0	96.0

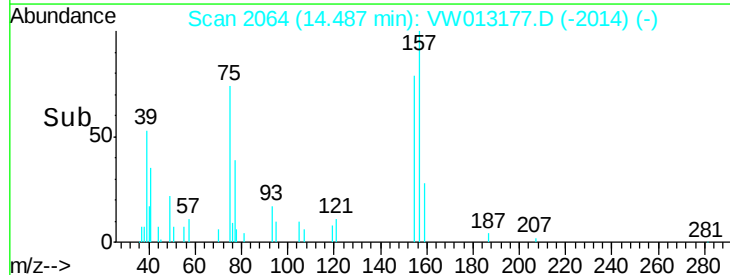
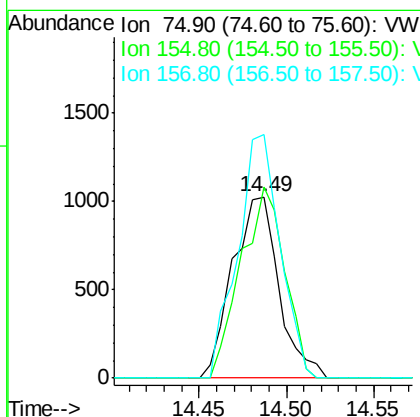
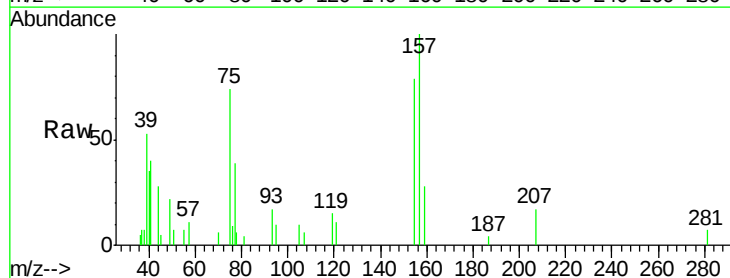
Manual Integrations
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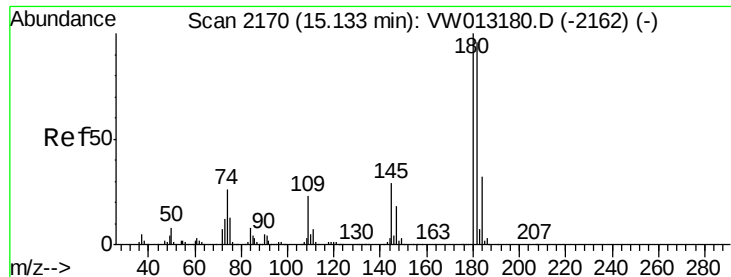
MMDadoda
 9/24/2019 5:28:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.164 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	46.1	138.3
157	123.4	60.4	181.2





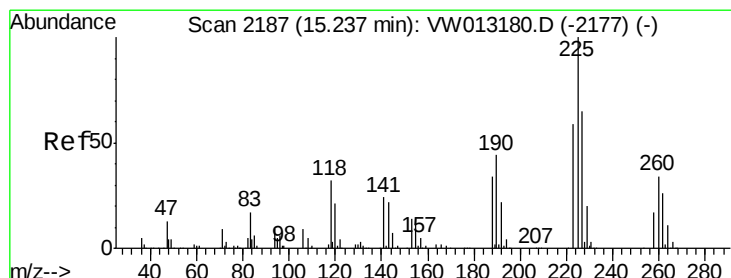
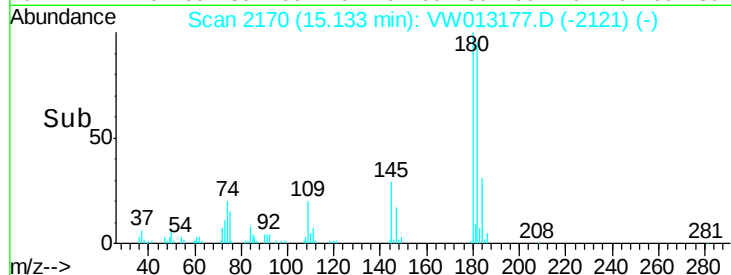
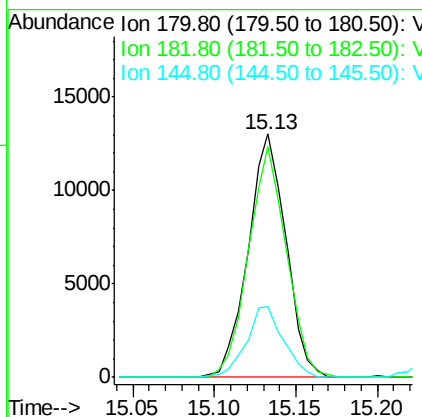
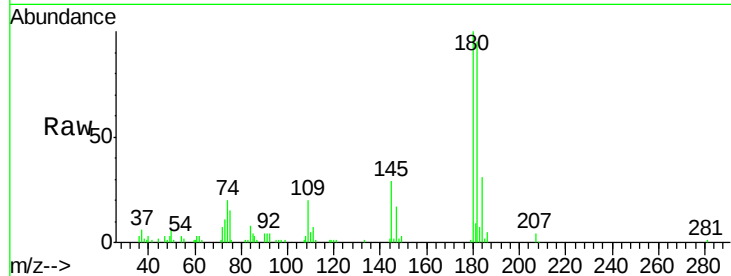
#93
 1,2,4-Trichlorobenzene
 Concen: 5.043 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	21061		
182	94.7	47.3	142.0	
145	28.3	14.2	42.8	

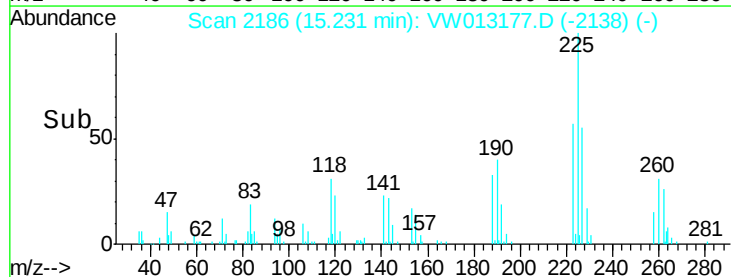
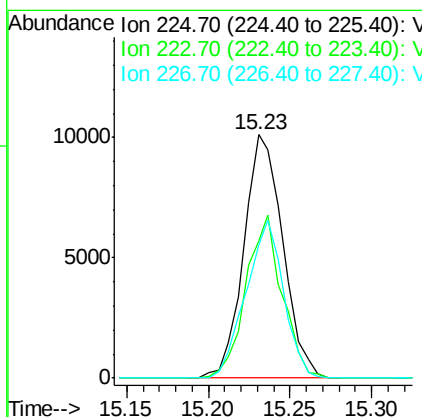
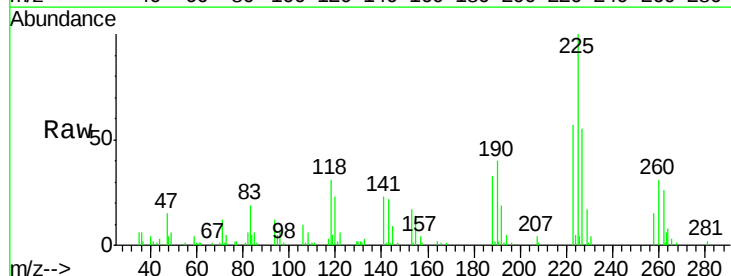
Manual Integrations
 APPROVED

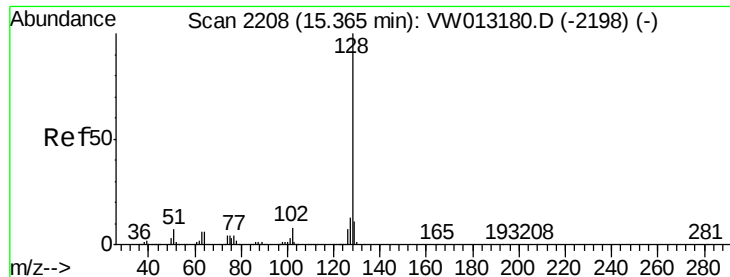
MMDadoda
 9/24/2019 5:28:40 AM



#94
 Hexachlorobutadiene
 Concen: 5.703 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16777		
223	62.4	30.6	91.8	
227	62.5	31.9	95.9	





#95

Naphthalene

Concen: 4.473 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

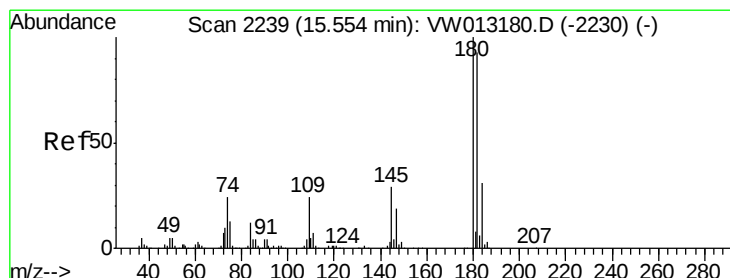
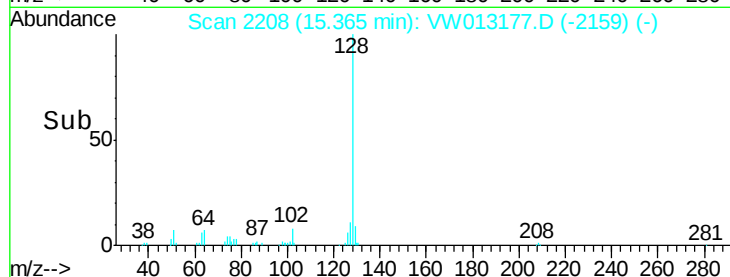
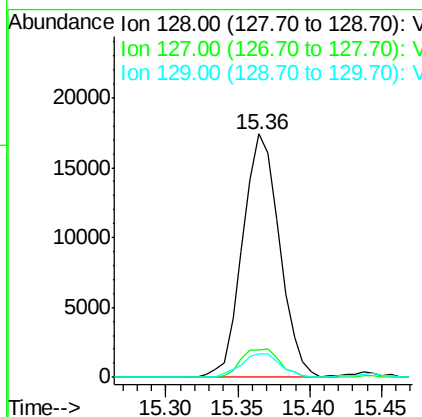
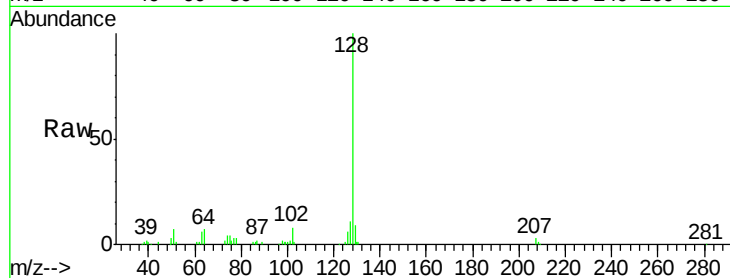
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	30972
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.6	15.8
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.164 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion:	180	Resp:	19002
Ion Ratio	Lower	Upper	
180	100		
182	88.6	47.9	143.7
145	29.2	15.0	45.0

