

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012859.D
 Acq On : 10 Sep 2019 08:23
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 8:15:47 AM

Quant Time: Sep 10 08:58:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	181825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	293823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	106443	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.88	113	85232	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.32	98	336329	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.62	95	122573	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	31398	31.853	ug/l	95
3) Chloromethane	2.21	50	47639	39.767	ug/l	96
4) Vinyl Chloride	2.35	62	56993	38.802	ug/l	97
5) Bromomethane	2.73	94	37706	47.274	ug/l	99
6) Chloroethane	2.90	64	39327	44.868	ug/l	97
7) Trichlorofluoromethane	3.24	101	35289	34.815	ug/l	100
8) Diethyl Ether	3.67	74	45862	53.835	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.05	101	65608	41.246	ug/l	96
10) Methyl Iodide	4.26	142	96493	48.188	ug/l	96
11) Tert butyl alcohol	5.17	59	40451	260.239	ug/l	98
12) 1,1-Dichloroethene	4.03	96	61372	40.872	ug/l	90
13) Acrolein	3.89	56	28701	174.000	ug/l	99
14) Allyl chloride	4.66	41	132519	42.663	ug/l	97
15) Acrylonitrile	5.35	53	129798	260.860	ug/l	99
16) Acetone	4.11	43	107911	194.838	ug/l	95
17) Carbon Disulfide	4.38	76	112644	35.342	ug/l	100
18) Methyl Acetate	4.66	43	76998	59.255	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	163015	54.742	ug/l	98
20) Methylene Chloride	4.91	84	85786	49.509	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	71752	46.832	ug/l	89
22) Diisopropyl ether	6.31	45	315249	51.171	ug/l	99
23) Vinyl Acetate	6.24	43	917472	234.990	ug/l	99
24) 1,1-Dichloroethane	6.21	63	160569	48.406	ug/l	98
25) 2-Butanone	7.16	43	177724	220.458	ug/l	97
26) 2,2-Dichloropropane	7.16	77	78535	37.485	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	92435	52.032	ug/l	93
28) Bromochloromethane	7.51	49	78992	51.861	ug/l	90
29) Tetrahydrofuran	7.52	42	114724	256.506	ug/l	97
30) Chloroform	7.67	83	163935	49.866	ug/l	100
31) Cyclohexane	7.95	56	109773	36.759	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	121097	45.443	ug/l	98
36) 1,1-Dichloropropene	8.08	75	107109	41.027	ug/l	99
37) Ethyl Acetate	7.24	43	75957	45.640	ug/l	99
38) Carbon Tetrachloride	8.06	117	103691	40.292	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	112762	38.457	ug/l	98
40) Benzene	8.32	78	333843	46.089	ug/l	98
41) Methacrylonitrile	7.48	41	45388	40.878	ug/l	88
42) 1,2-Dichloroethane	8.40	62	120704	47.349	ug/l	98
43) Isopropyl Acetate	8.42	43	145955	46.291	ug/l	97
44) Trichloroethene	9.09	130	84978	45.513	ug/l	91
45) 1,2-Dichloropropane	9.37	63	95017	47.296	ug/l	97
46) Dibromomethane	9.46	93	47034	49.440	ug/l	95
47) Bromodichloromethane	9.64	83	123963	47.363	ug/l	99
48) Methyl methacrylate	9.43	41	74559	49.482	ug/l	95
49) 1,4-Dioxane	9.45	88	19548	1040.257	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	391210	236.455	ug/l	98
52) Toluene	10.38	92	210924	46.655	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	126151	46.873	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	141751	46.429	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	71857	50.452	ug/l	95
56) Ethyl methacrylate	10.65	69	105383	50.548	ug/l	96
57) 1,3-Dichloropropane	10.93	76	129066	48.984	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	282035	254.822	ug/l	96
59) 2-Hexanone	10.96	43	265387	219.558	ug/l	97
60) Dibromochloromethane	11.13	129	83671	49.952	ug/l	99
61) 1,2-Dibromoethane	11.23	107	67479	51.678	ug/l	100
64) Tetrachloroethene	10.86	164	84718	52.677	ug/l	96
65) Chlorobenzene	11.66	112	232835	46.478	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	91123	48.845	ug/l	99
67) Ethyl Benzene	11.73	91	422420	44.943	ug/l	99
68) m/p-Xylenes	11.83	106	310992	91.667	ug/l	98
69) o-Xylene	12.16	106	153603	47.990	ug/l	95
70) Styrene	12.18	104	273235	48.310	ug/l	98
71) Bromoform	12.35	173	51290	49.485	ug/l #	98
73) Isopropylbenzene	12.46	105	419275	44.986	ug/l	100
74) N-amyl acetate	12.27	43	129241	43.687	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	88352	47.203	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	69729m	52.477	ug/l	
77) Bromobenzene	12.74	156	104164	49.331	ug/l	95
78) n-propylbenzene	12.80	91	486204	43.618	ug/l	99
79) 2-Chlorotoluene	12.89	91	292812	45.758	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	361644	46.049	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	25836	41.125	ug/l	99
82) 4-Chlorotoluene	12.99	91	302175	44.643	ug/l	99
83) tert-Butylbenzene	13.21	119	319157	45.961	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	360642	45.573	ug/l	100
85) sec-Butylbenzene	13.38	105	424032	44.005	ug/l	99
86) p-Isopropyltoluene	13.49	119	387481	44.024	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	192348	46.345	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	193564	46.869	ug/l	98
89) n-Butylbenzene	13.82	91	347560	40.675	ug/l	99
90) Hexachloroethane	14.09	117	70349	45.784	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	178684	47.833	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14942	43.622	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	123780	47.593	ug/l	100
94) Hexachlorobutadiene	15.24	225	78358	43.528	ug/l	99
95) Naphthalene	15.36	128	250966	46.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	114886	50.043	ug/l	99

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

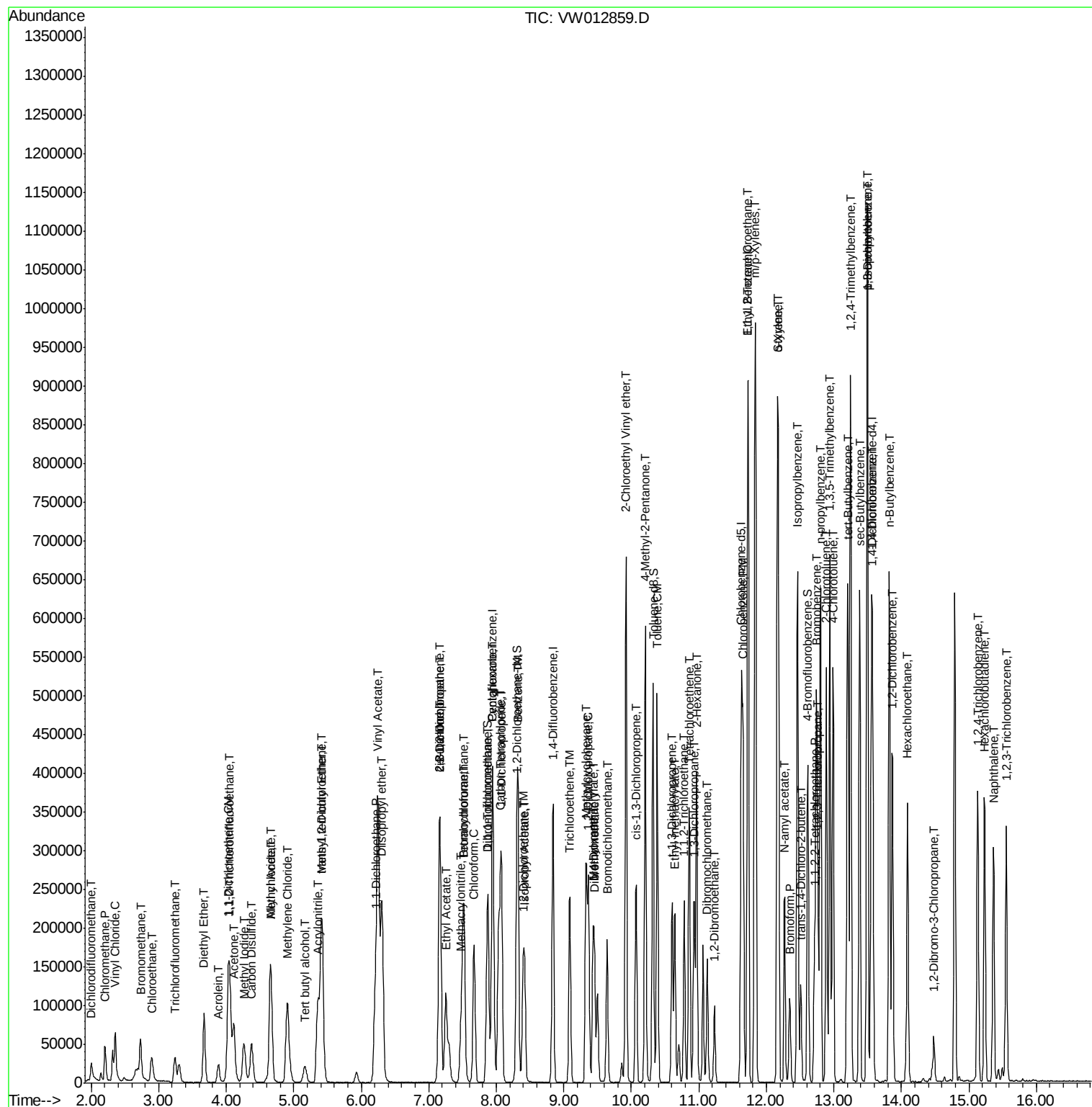
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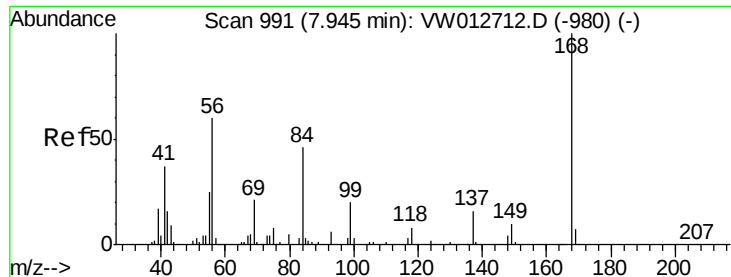
Instrument :
MSVOA_W
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 181825

Ion Ratio Lower Upper

168 100

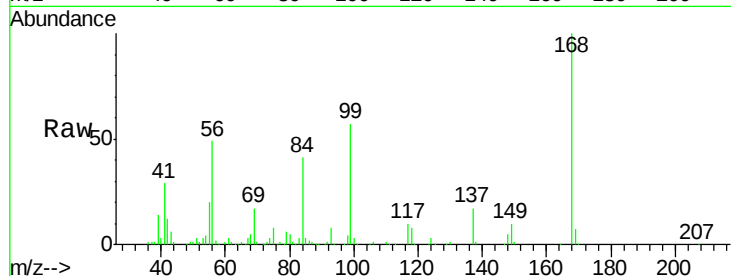
99 57.2 47.8 71.6

Manual Integrations

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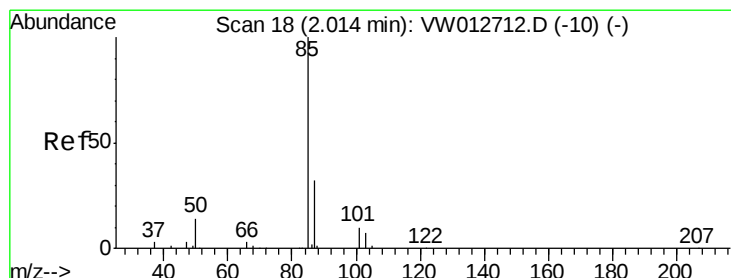
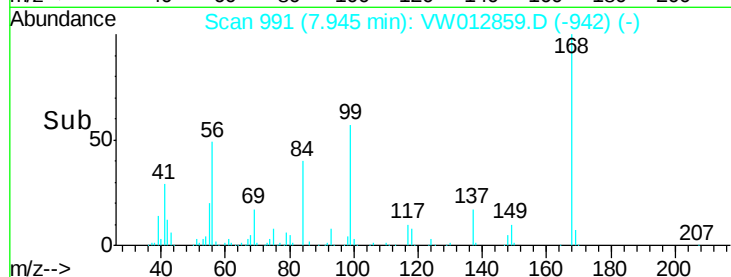
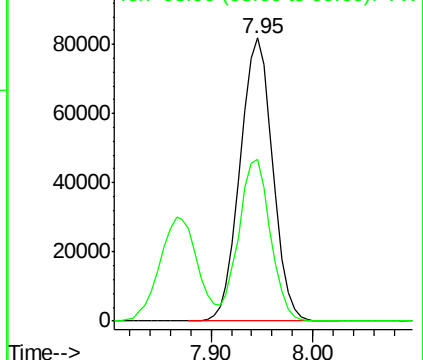
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 31.853 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012859.D

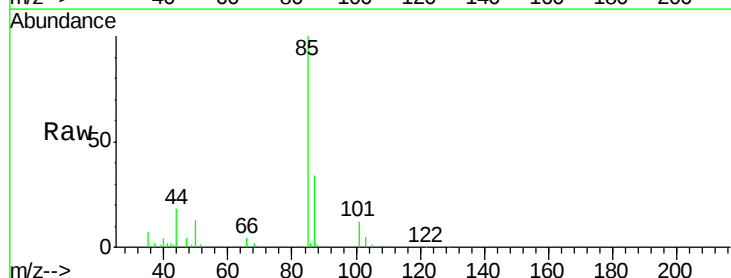
Acq: 10 Sep 2019 08:23

Tgt Ion: 85 Resp: 31398

Ion Ratio Lower Upper

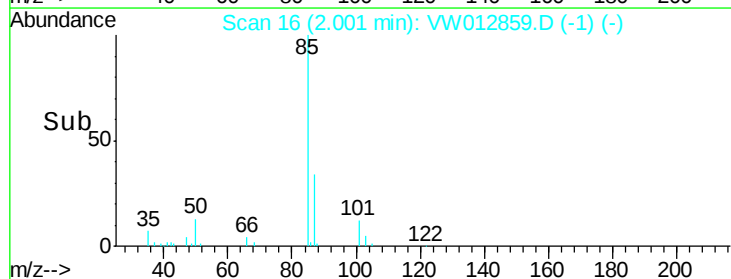
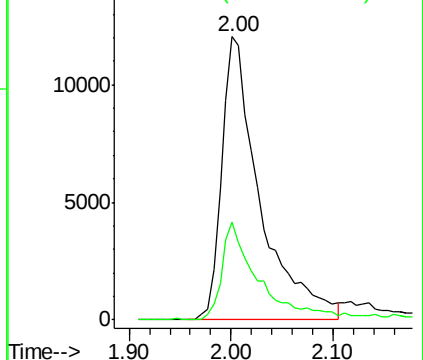
85 100

87 34.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 39.767 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 47639

Ion Ratio Lower Upper

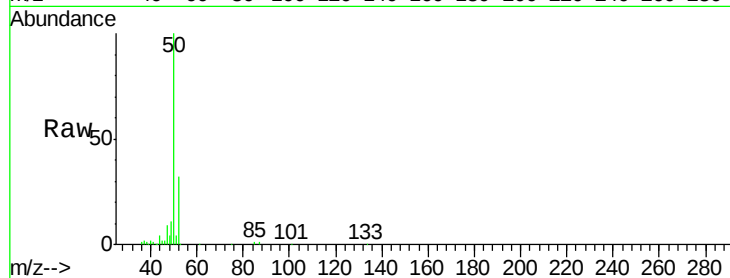
50 100

52 32.3 24.2 36.2

Manual Integrations
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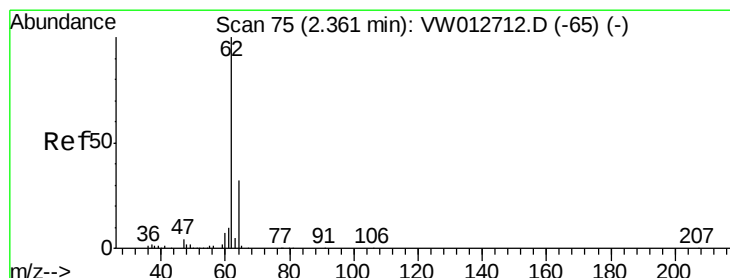
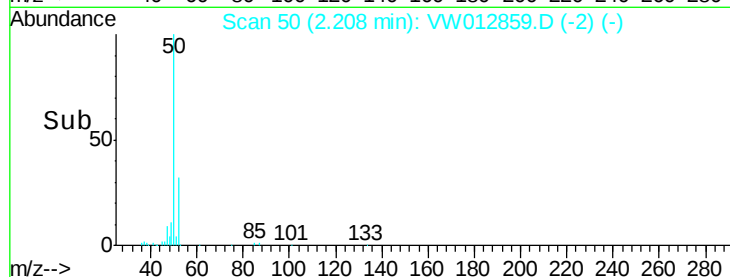
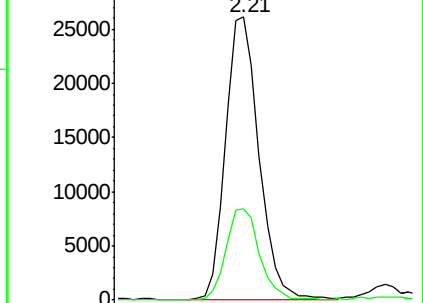
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 38.802 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012859.D

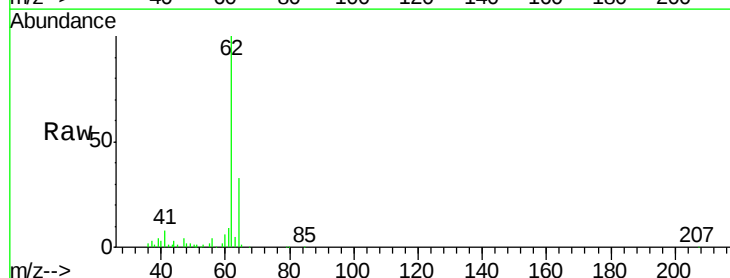
Acq: 10 Sep 2019 08:23

Tgt Ion: 62 Resp: 56993

Ion Ratio Lower Upper

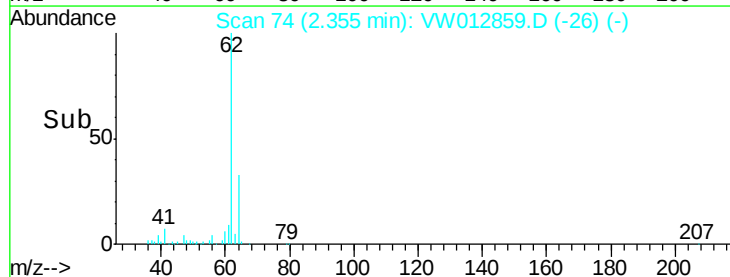
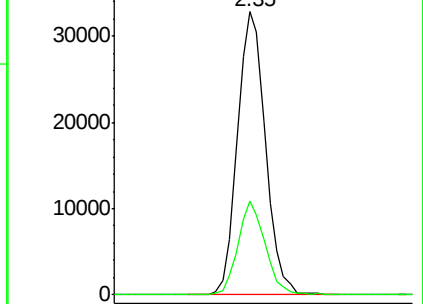
62 100

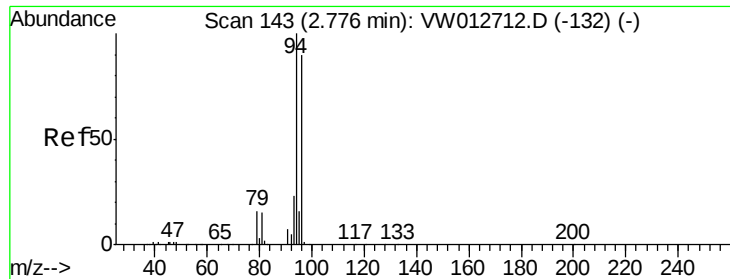
64 33.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 47.274 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 37706

Ion Ratio Lower Upper

94 100

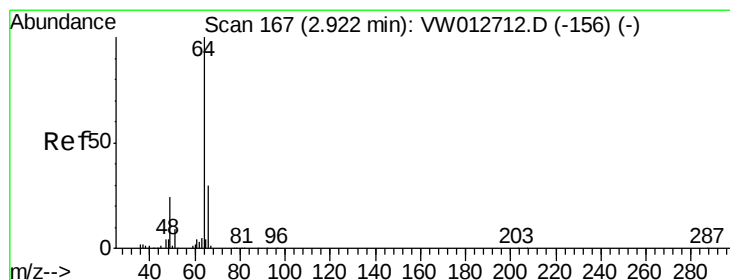
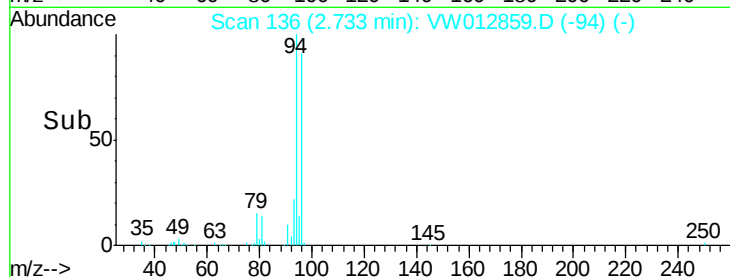
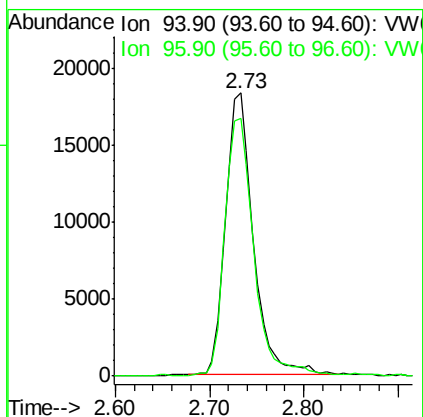
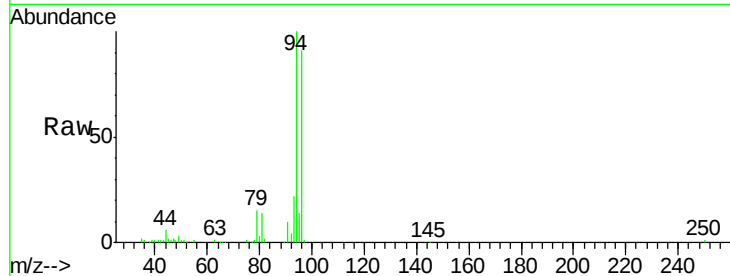
96 91.2 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 44.868 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW012859.D

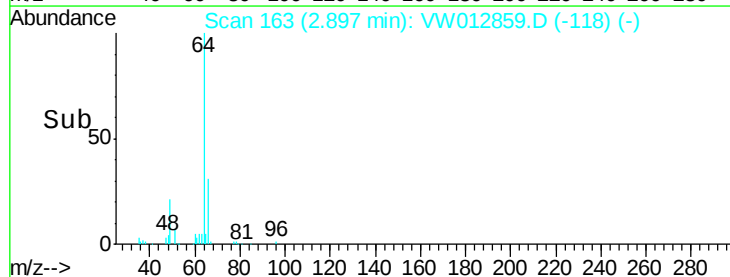
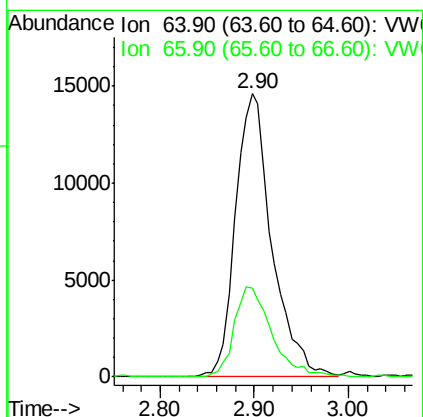
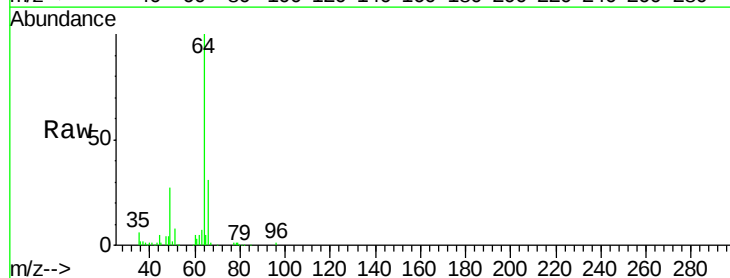
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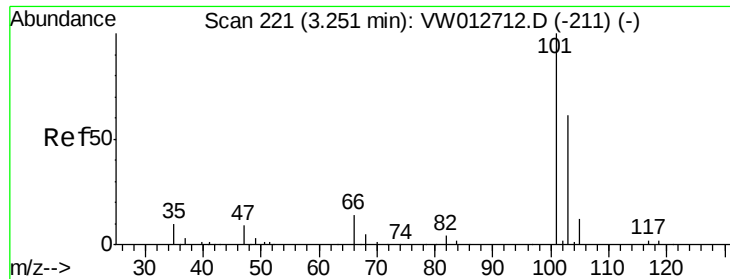
Tgt Ion: 64 Resp: 39327

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.6





#7

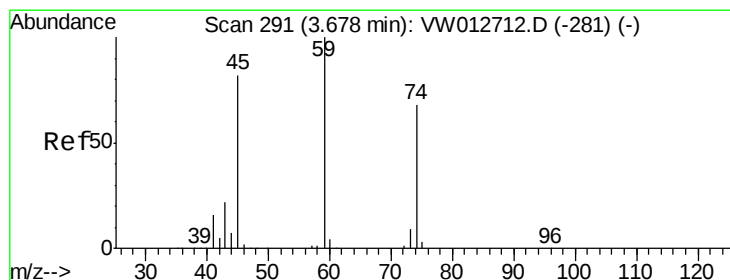
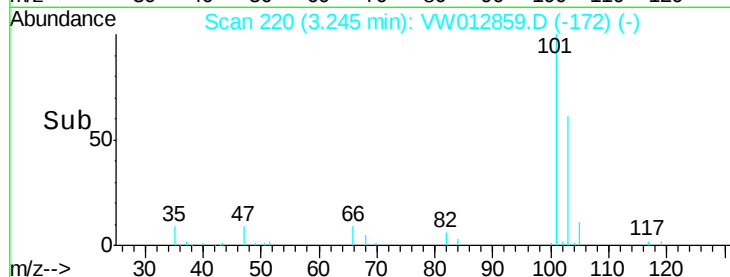
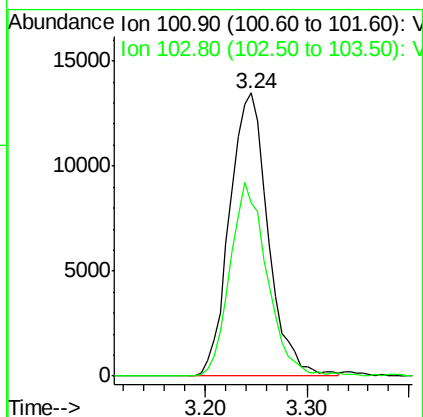
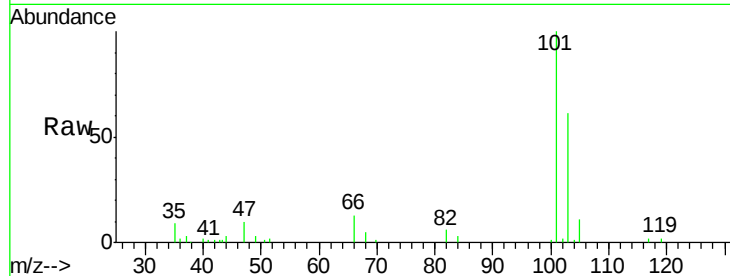
Trichlorofluoromethane
 Concen: 34.815 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.0	49.0	73.4

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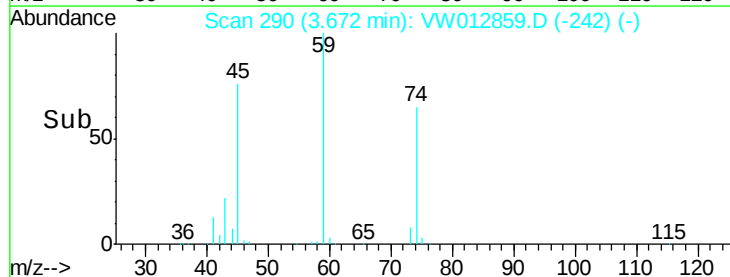
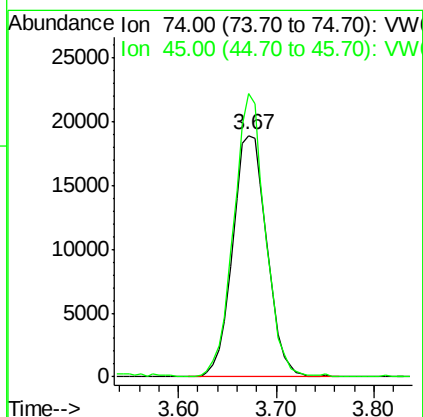
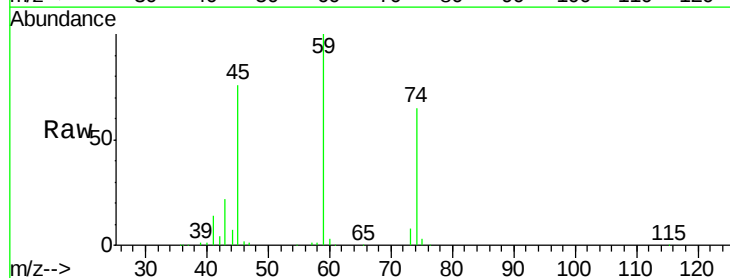
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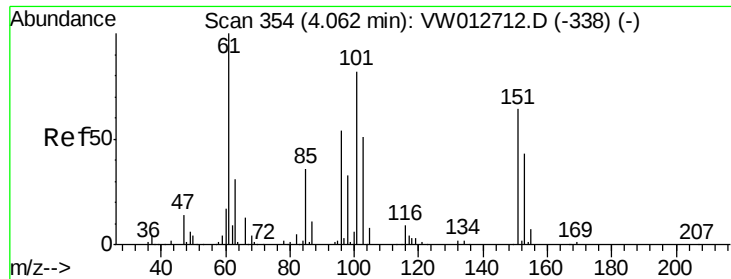


#8

Diethyl Ether
 Concen: 53.835 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.0	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.246 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

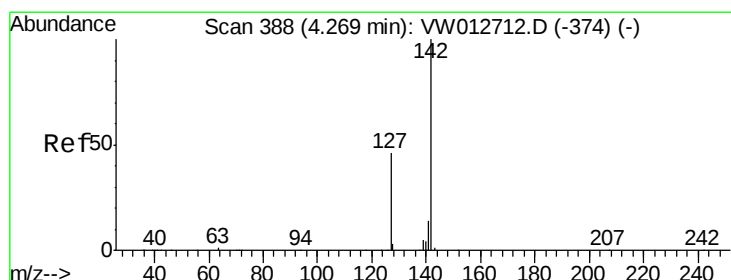
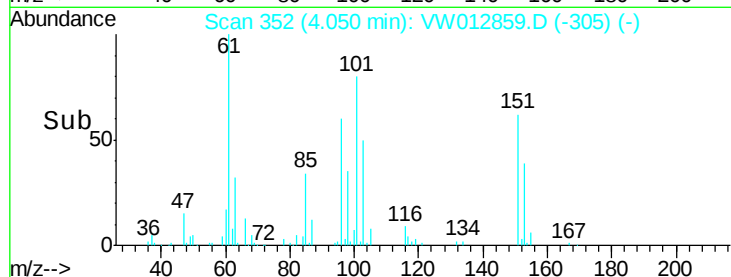
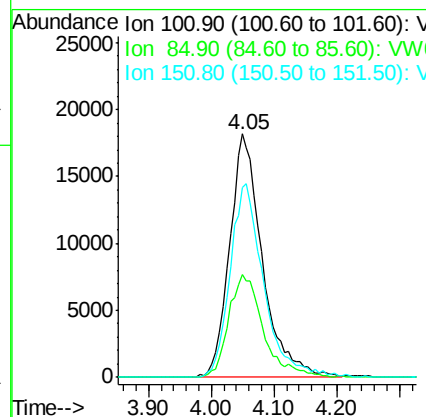
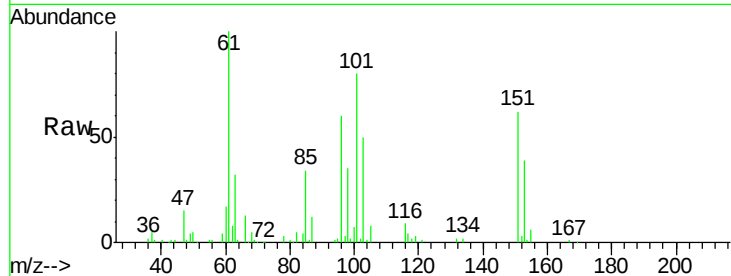
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	65608
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.2	54.2
151	81.9	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 48.188 ug/l

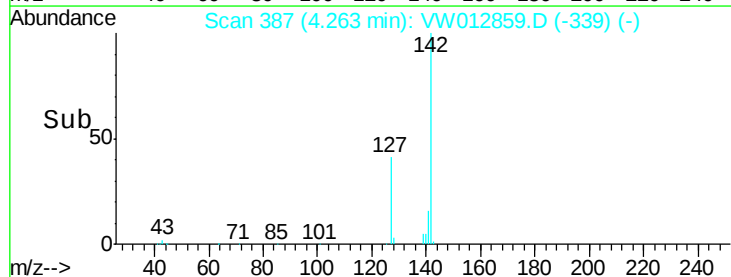
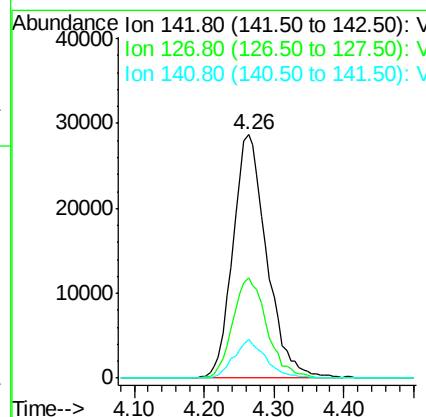
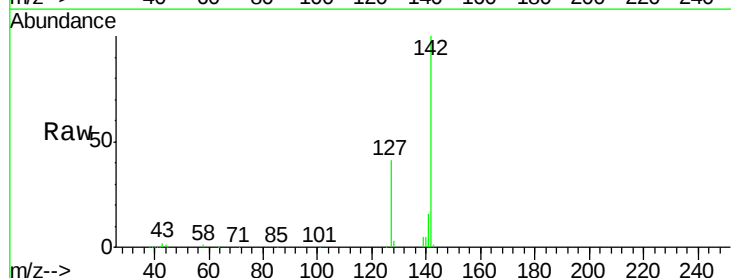
RT: 4.26 min Scan# 387

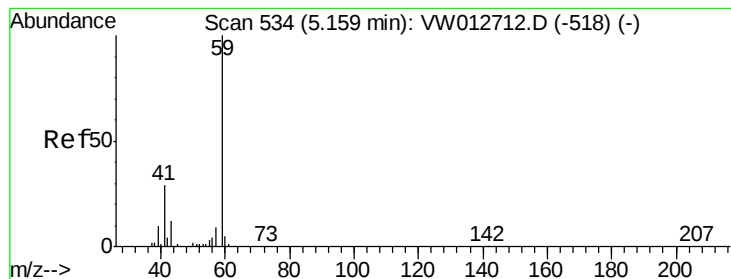
Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion:	142	Resp:	96493
Ion Ratio	Lower	Upper	
142	100		
127	41.9	36.0	54.0
141	15.0	12.2	18.4





#11

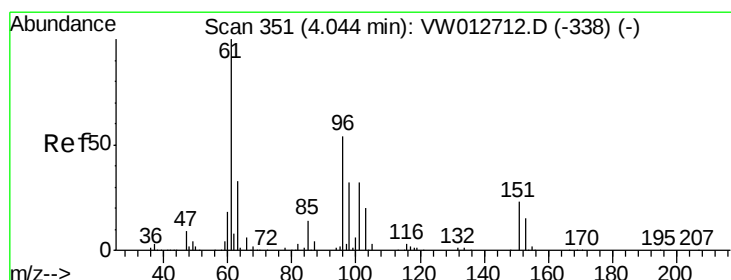
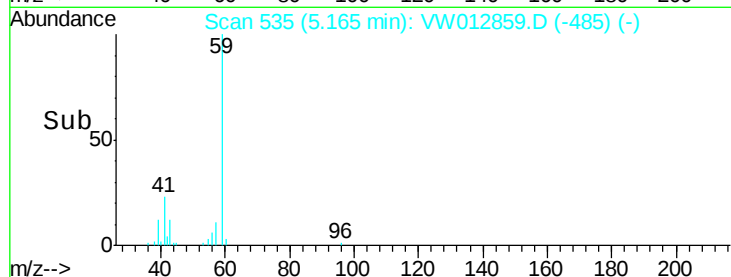
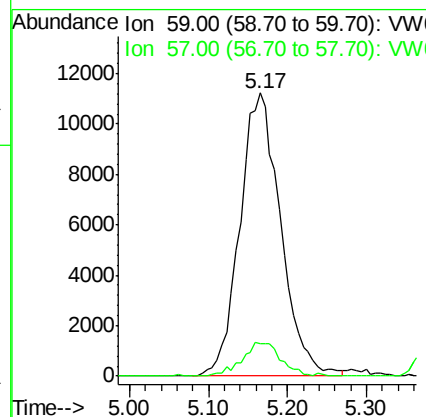
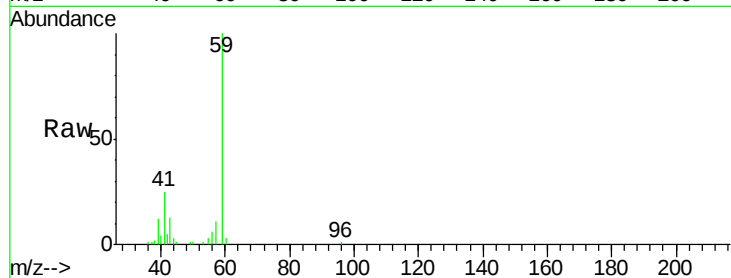
Tert butyl alcohol
Concen: 260.239 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	11.2		8.2	12.4

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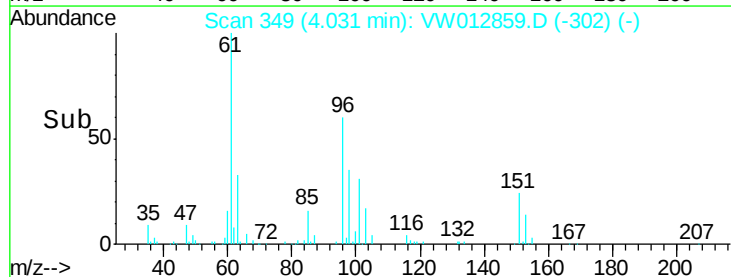
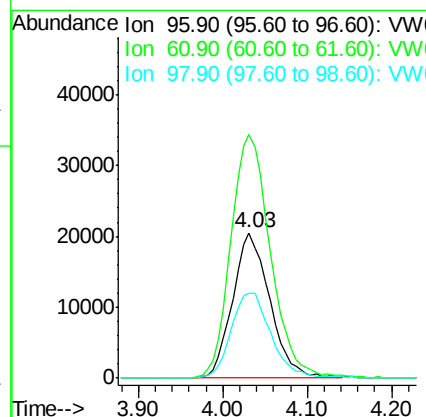
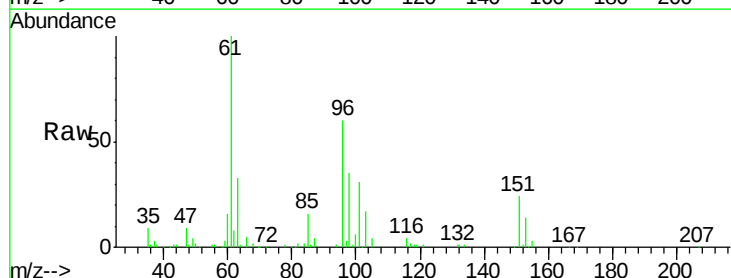
MMDadoda
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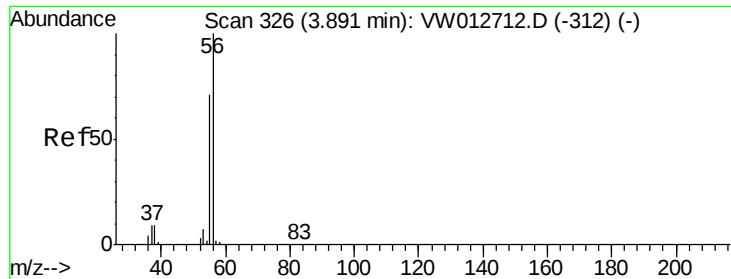


#12

1,1-Dichloroethene
Concen: 40.872 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	167.3		147.8	221.6
98	98	58.4		47.9	71.9





#13

Acrolein

Concen: 174.000 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 28701

Ion Ratio Lower Upper

56 100

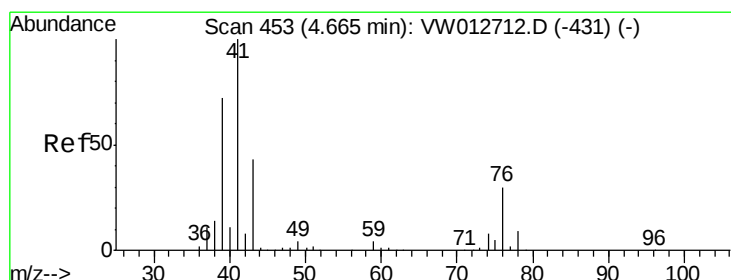
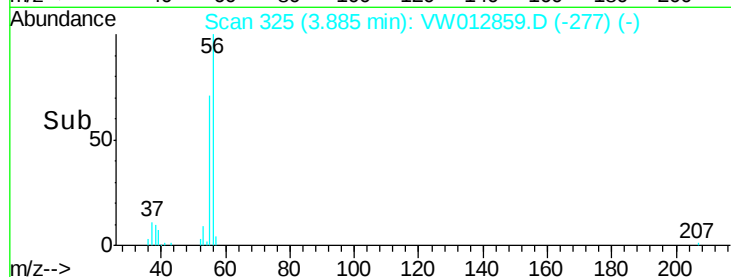
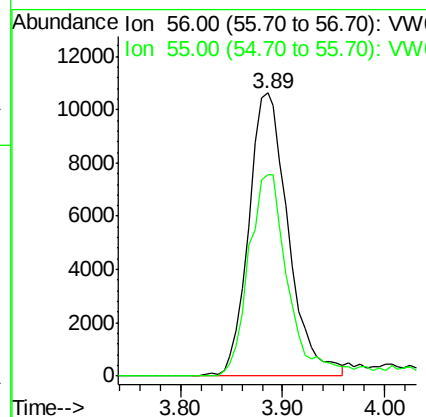
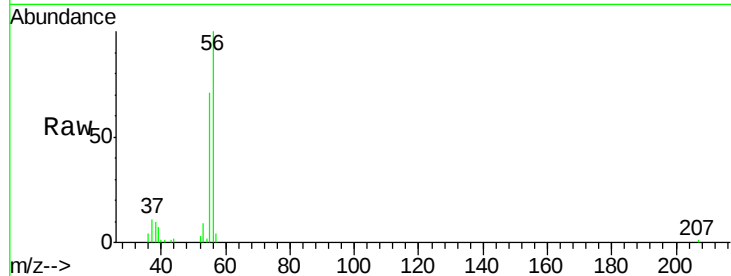
55 70.4 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 42.663 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

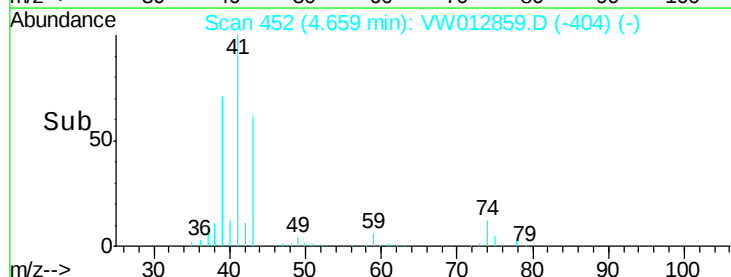
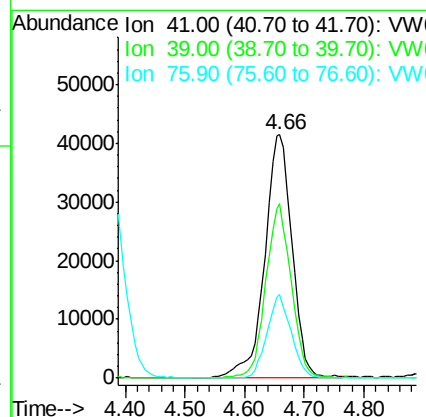
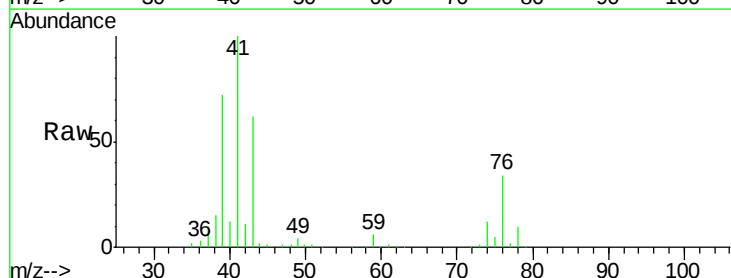
Tgt Ion: 41 Resp: 132519

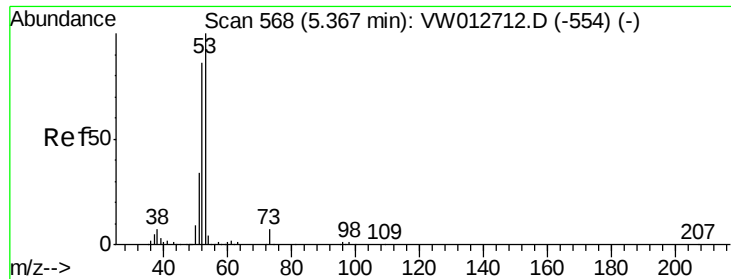
Ion Ratio Lower Upper

41 100

39 66.5 55.0 82.6

76 30.2 23.0 34.4





#15

Acrylonitrile

Concen: 260.860 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

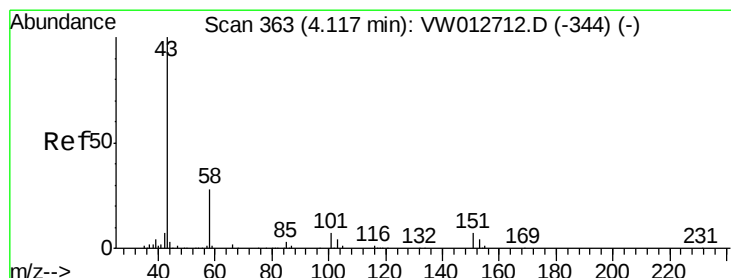
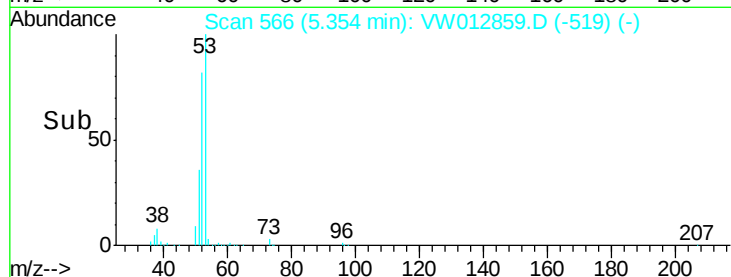
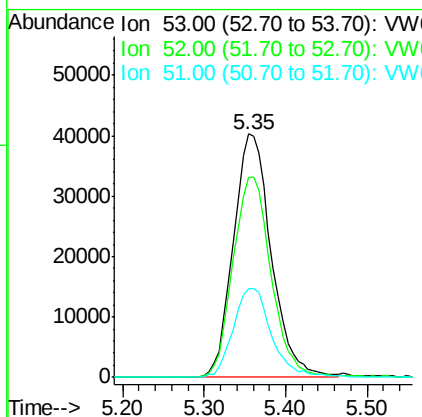
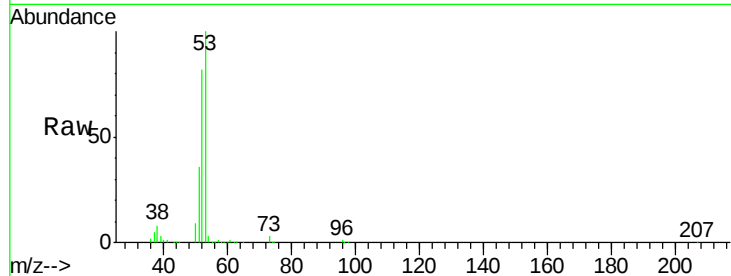
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	129798
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.0	100.4
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 194.838 ug/l

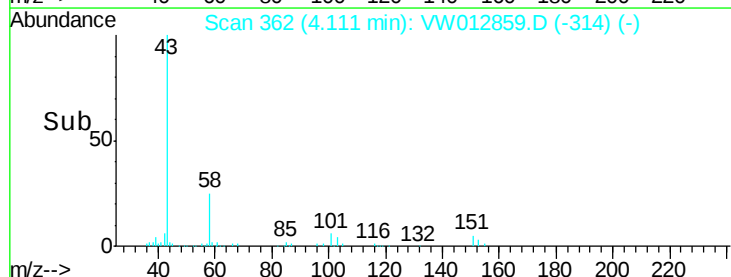
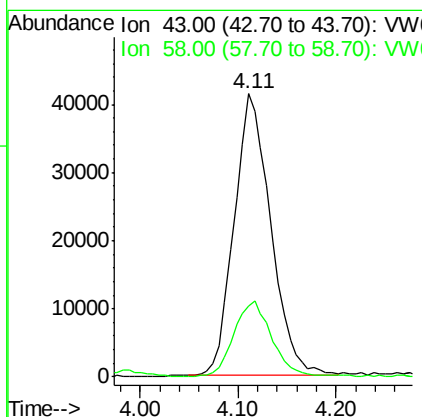
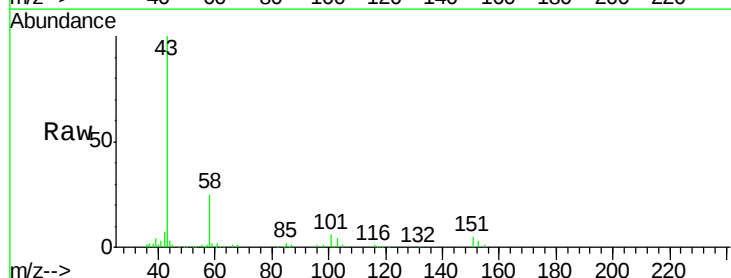
RT: 4.11 min Scan# 362

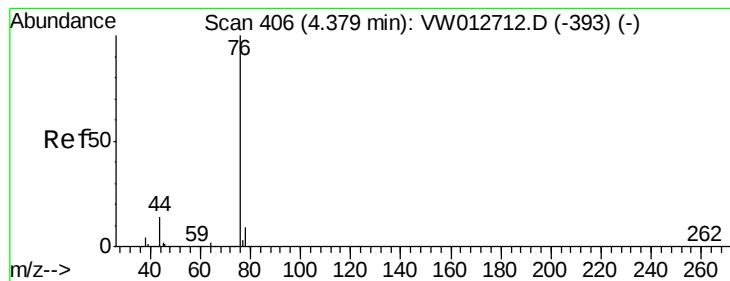
Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion:	43	Resp:	107911
Ion	Ratio	Lower	Upper
43	100		
58	25.4	22.6	33.8





#17

Carbon Disulfide

Concen: 35.342 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 112644

Ion Ratio Lower Upper

76 100

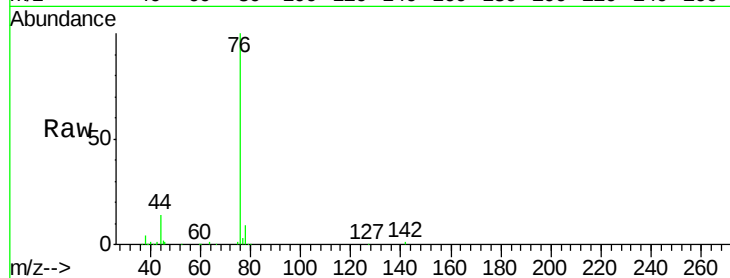
78 9.0 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

40000

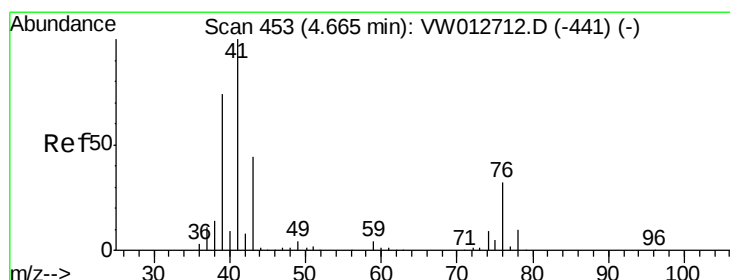
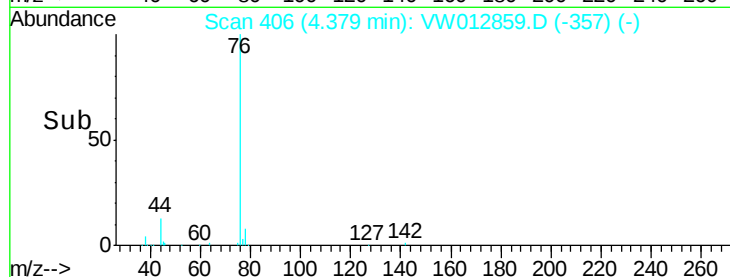
30000

20000

10000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 59.255 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012859.D

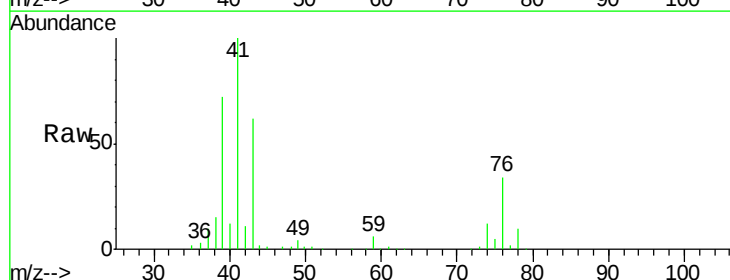
Acq: 10 Sep 2019 08:23

Tgt Ion: 43 Resp: 76998

Ion Ratio Lower Upper

43 100

74 20.1 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.66

30000

25000

20000

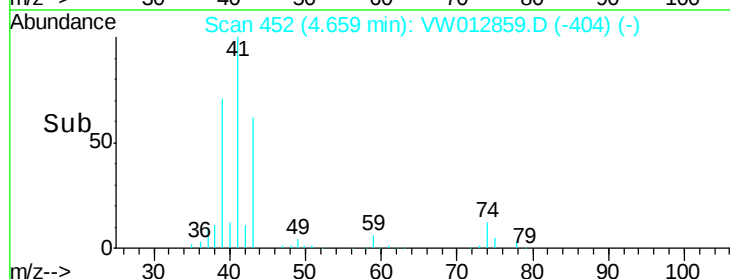
15000

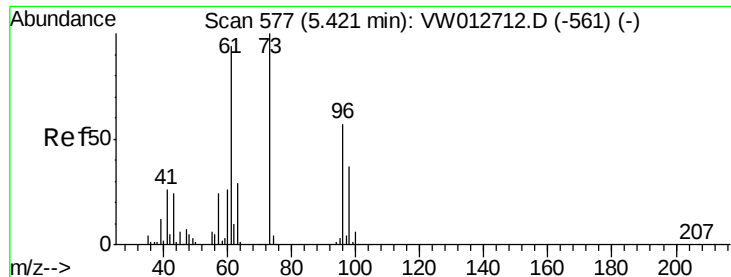
10000

5000

0

Time--> 4.50 4.60 4.70 4.80





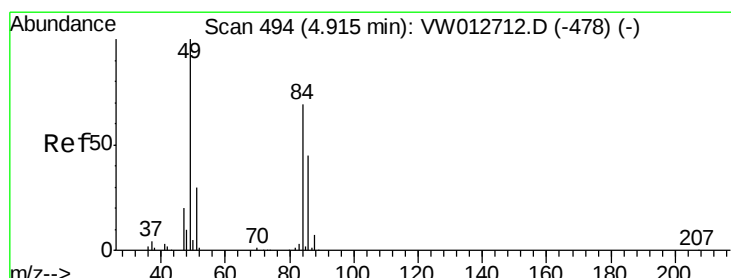
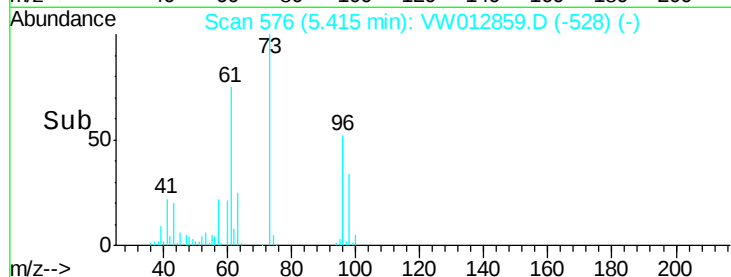
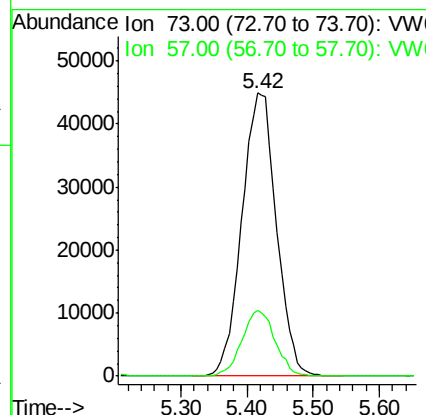
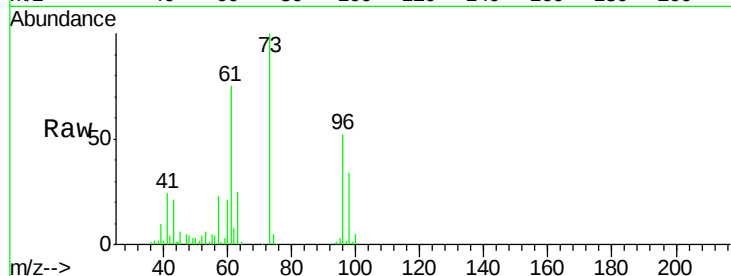
#19
Methvl tert-butvl Ether
Concen: 54.742 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 163015
Ion Ratio Lower Upper
73 100
57 23.1 19.2 28.8

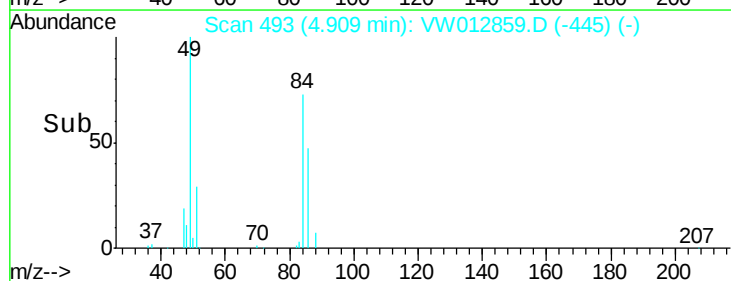
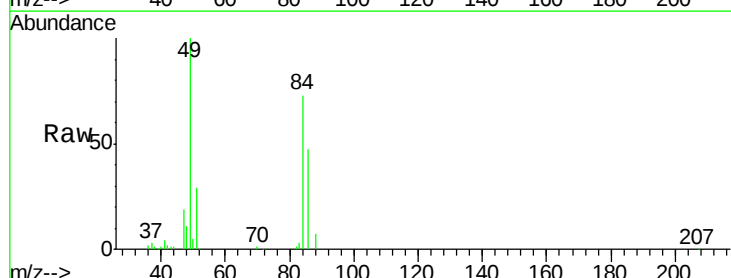
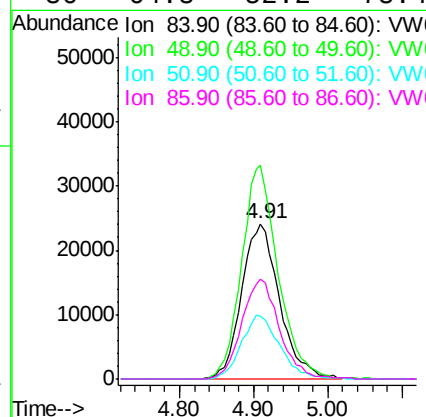
Manual Integrations
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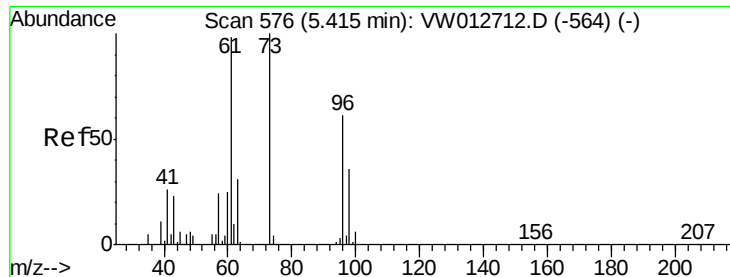
MMDadoda
9/11/2019 8:15:47 AM



#20
Methylene Chloride
Concen: 49.509 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion: 84 Resp: 85786
Ion Ratio Lower Upper
84 100
49 137.9 115.4 173.0
51 40.4 34.9 52.3
86 64.8 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 46.832 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 71752

Ion Ratio Lower Upper

96 100

61 145.4 129.2 193.8

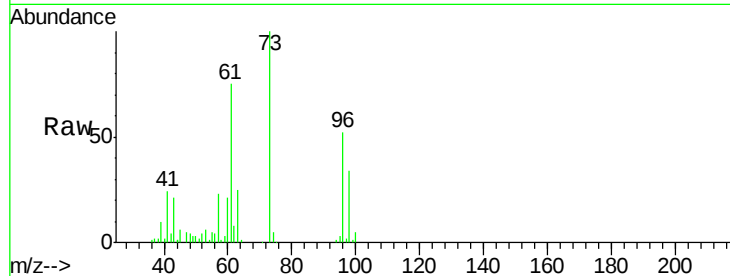
98 65.0 48.0 72.0

Manual Integrations

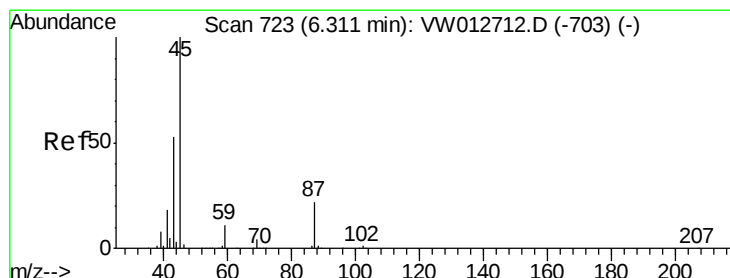
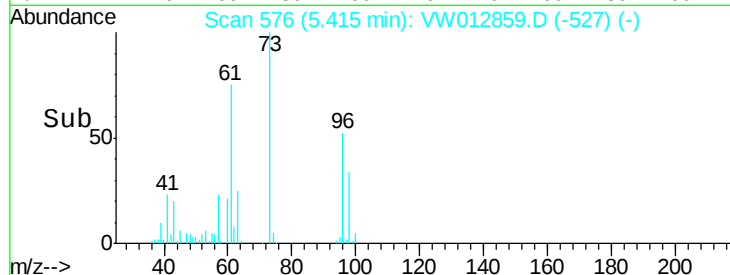
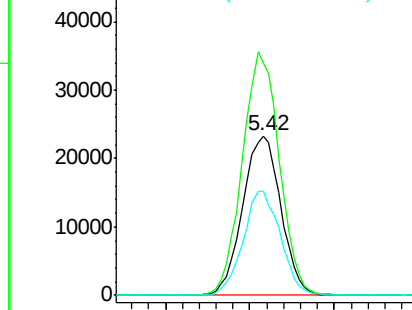
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 51.171 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion: 45 Resp: 315249

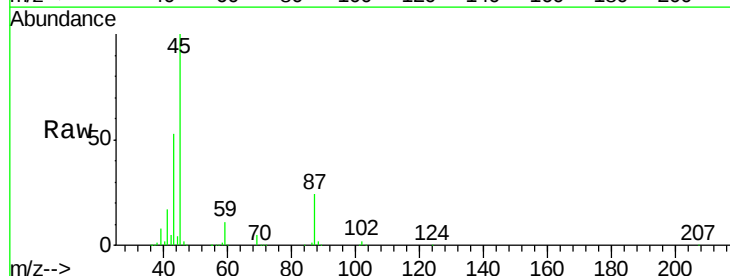
Ion Ratio Lower Upper

45 100

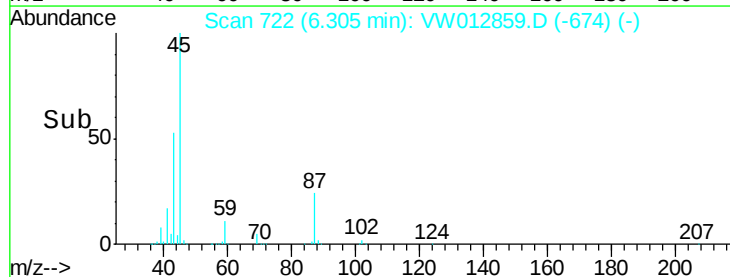
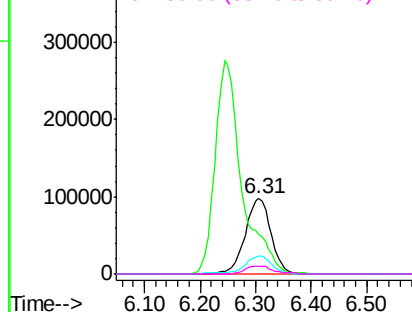
43 52.6 42.3 63.5

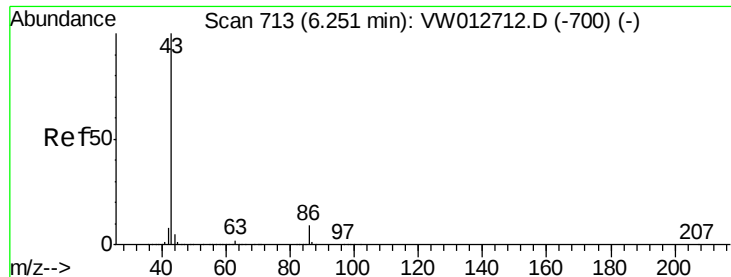
87 23.9 18.2 27.2

59 10.9 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 234.990 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 917472

Ion Ratio Lower Upper

43 100

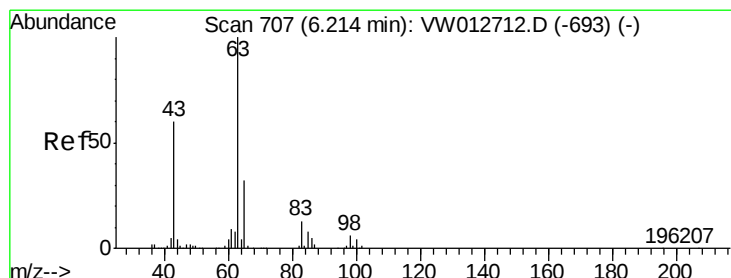
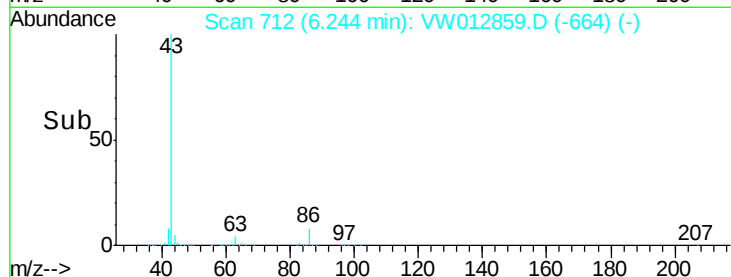
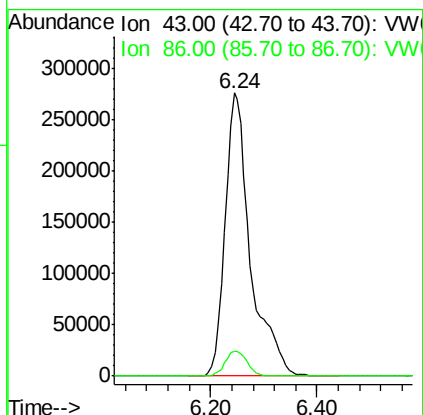
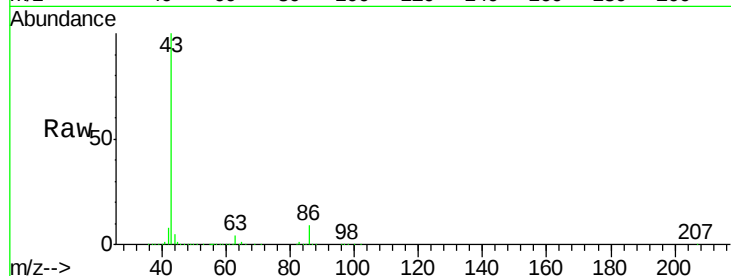
86 8.6 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.406 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

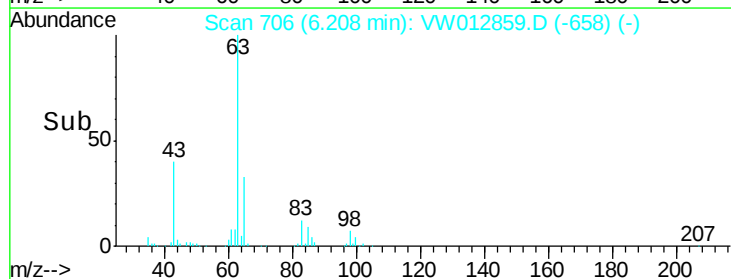
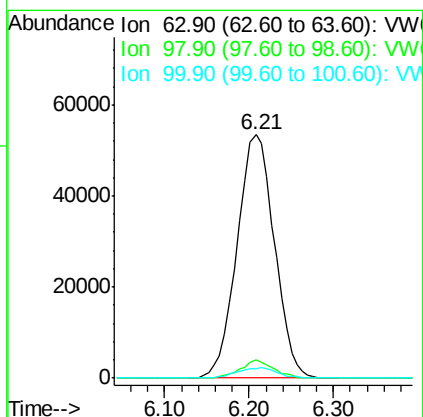
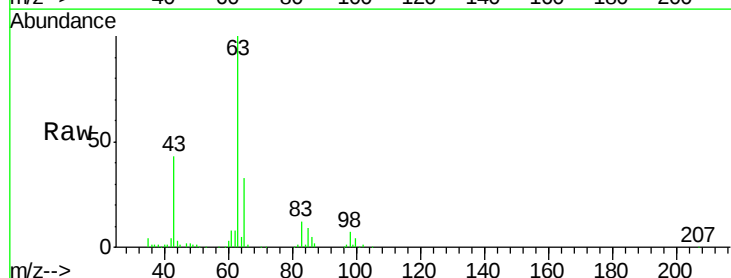
Tgt Ion: 63 Resp: 160569

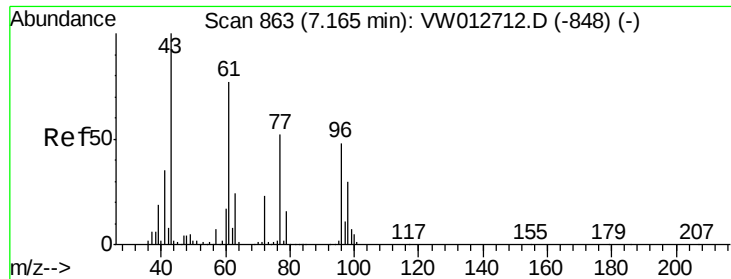
Ion Ratio Lower Upper

63 100

98 7.5 3.1 9.3

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 220.458 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 177724

Ion Ratio Lower Upper

43 100

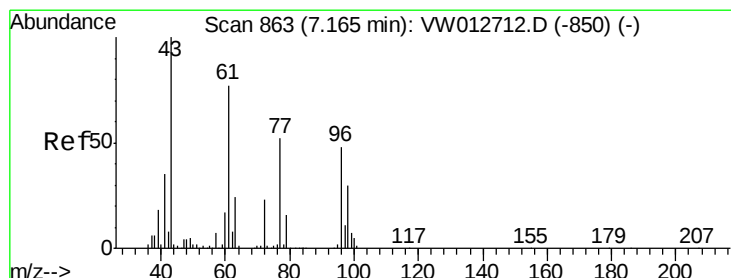
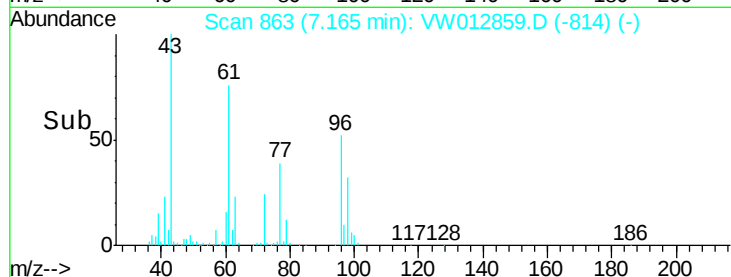
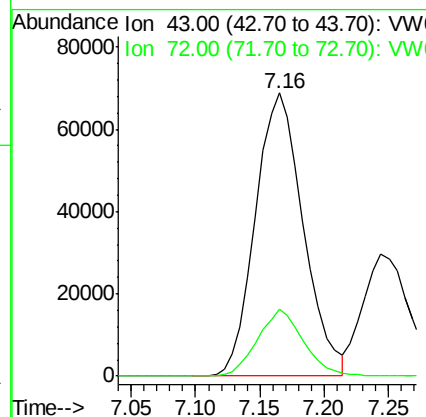
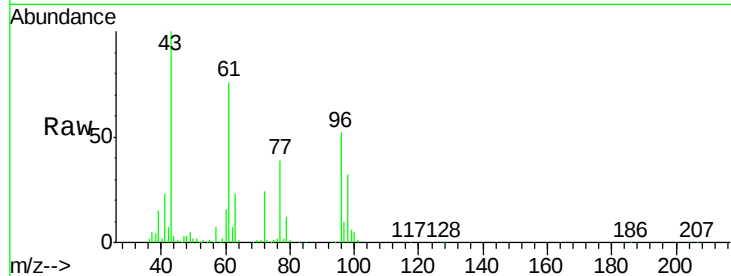
72 23.8 18.0 27.0

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#26

2,2-Dichloropropane

Concen: 37.485 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012859.D

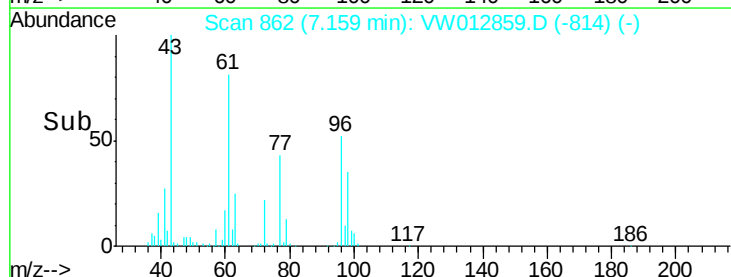
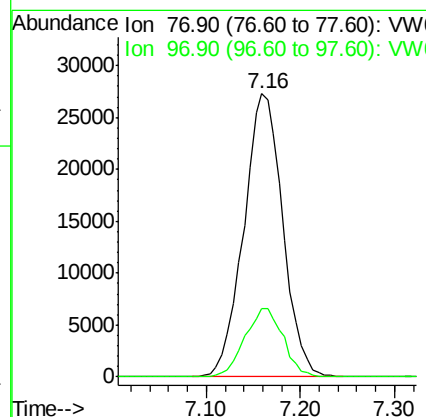
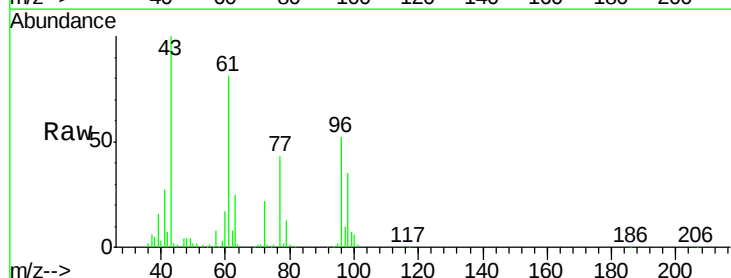
Acq: 10 Sep 2019 08:23

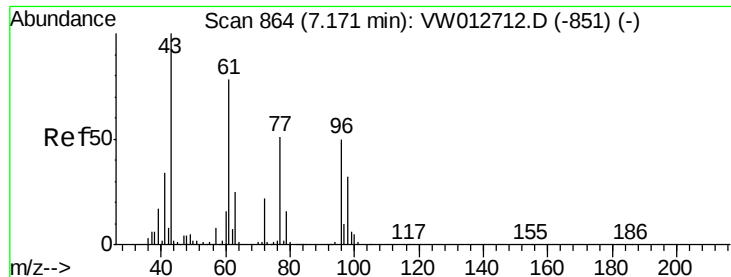
Tgt Ion: 77 Resp: 78535

Ion Ratio Lower Upper

77 100

97 23.9 10.7 32.1





#27

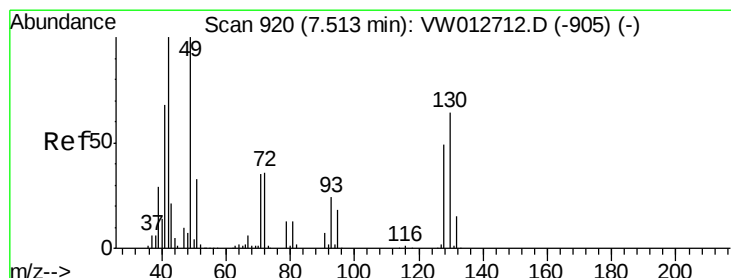
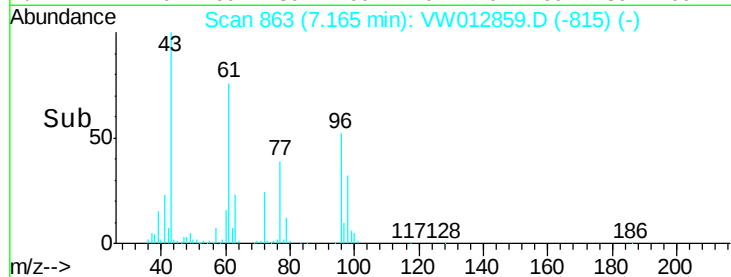
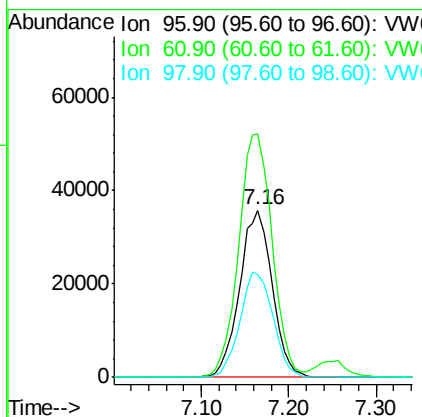
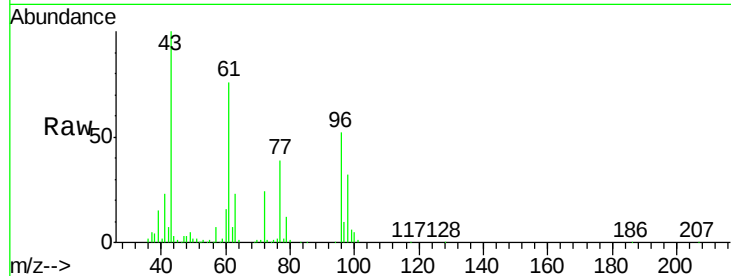
cis-1,2-Dichloroethene
Concen: 52.032 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	325.8
98	64.2	0.0	127.0

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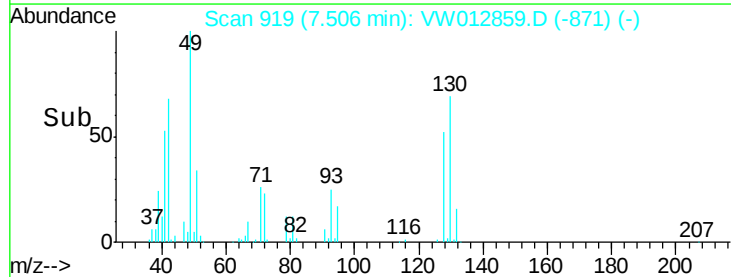
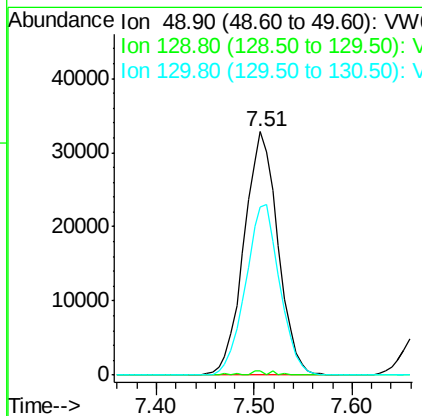
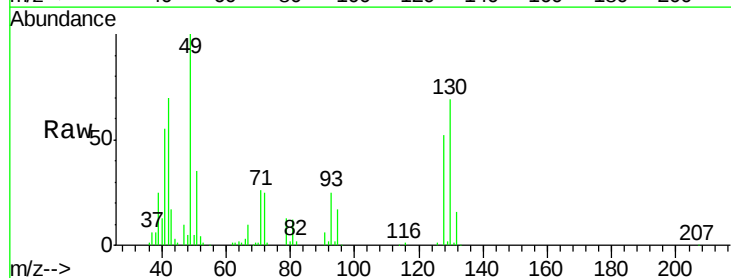
MMDadoda
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#28

Bromochloromethane
Concen: 51.861 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	0.8
130	70.1	49.8	74.8





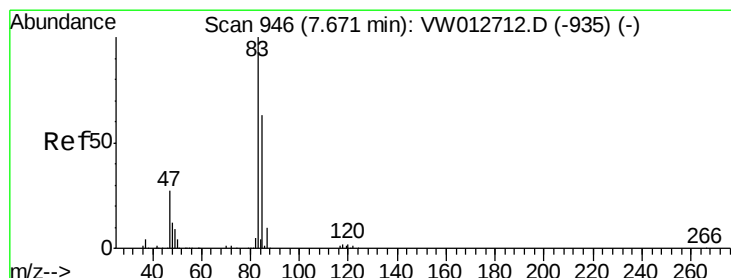
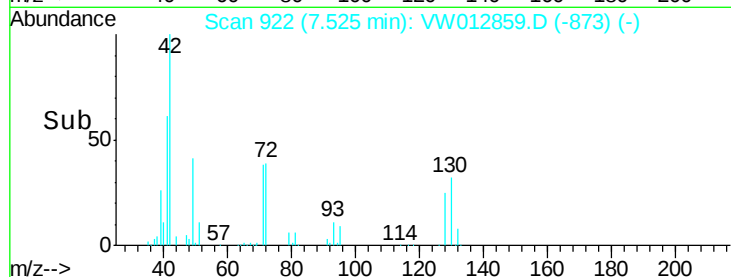
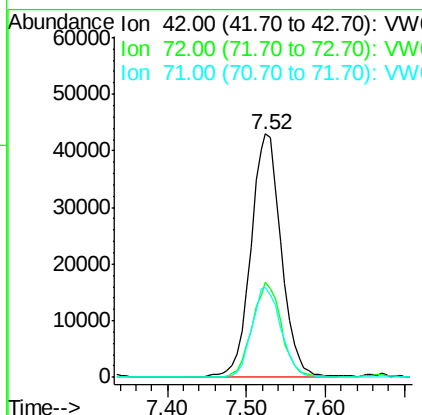
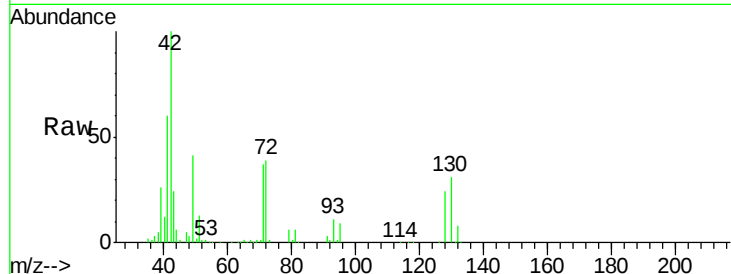
#29
Tetrahydrofuran
Concen: 256.506 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	28.4	42.6
71	35.9	27.1	40.7

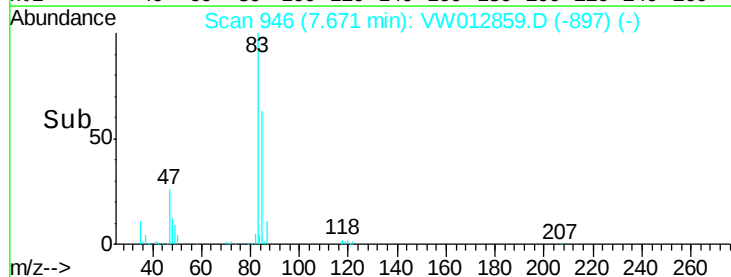
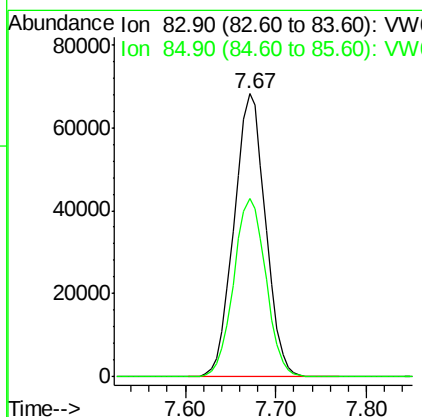
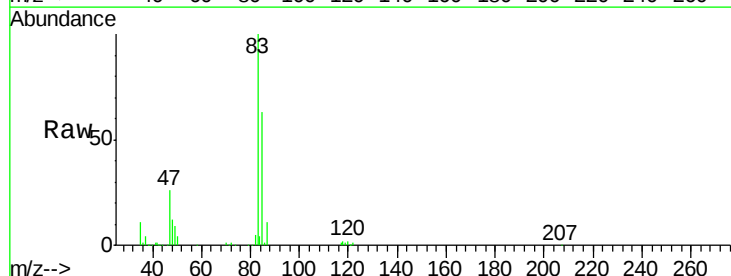
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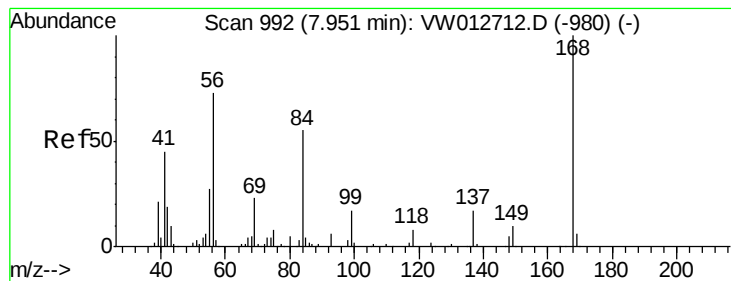
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#30
Chloroform
Concen: 49.866 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.6	76.0





#31

Cyclohexane

Concen: 36.759 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

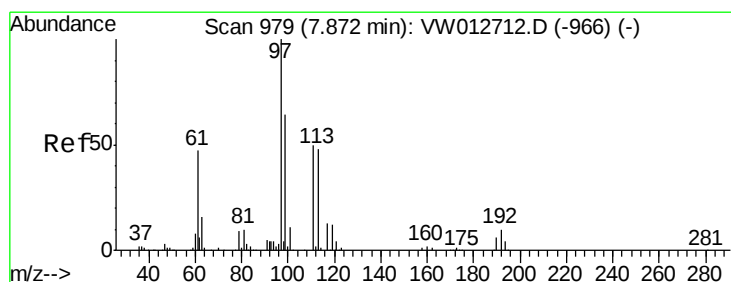
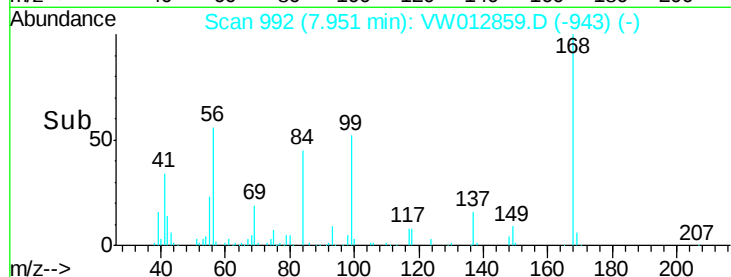
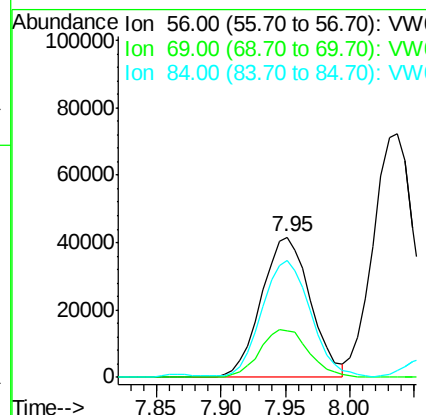
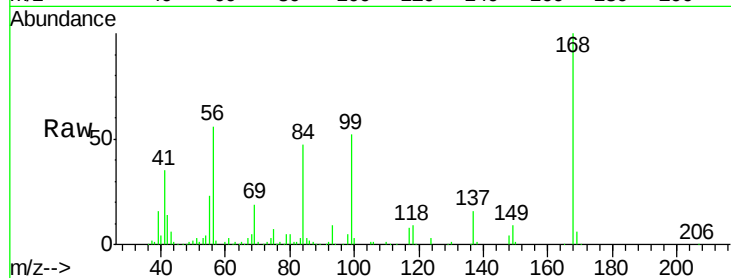
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	109773
Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.7	38.5
84	82.2	60.4	90.6

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#32

1,1,1-Trichloroethane

Concen: 45.443 ug/l

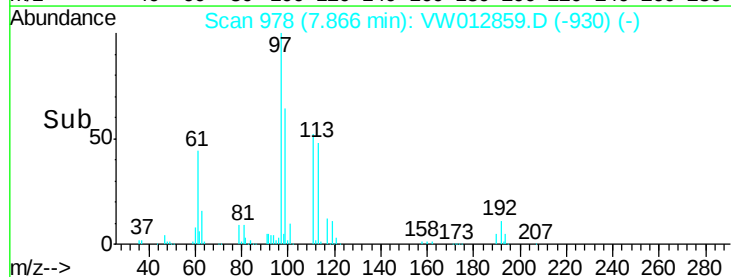
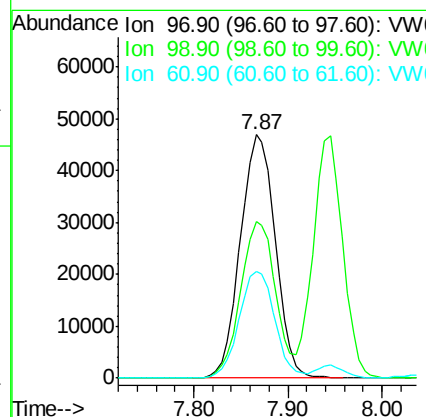
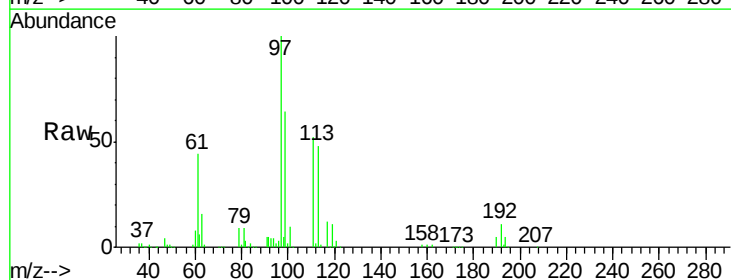
RT: 7.87 min Scan# 978

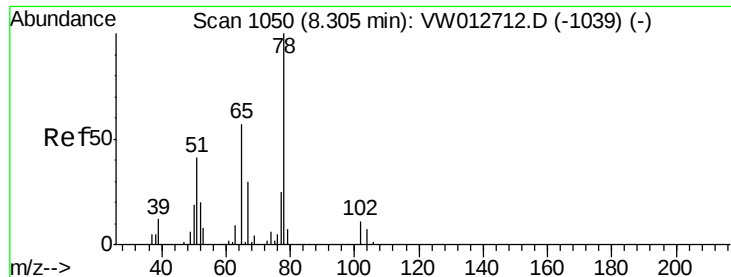
Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion:	97	Resp:	121097
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.5	77.3
61	44.7	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 52.394 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 106443

Ion Ratio Lower Upper

65 100

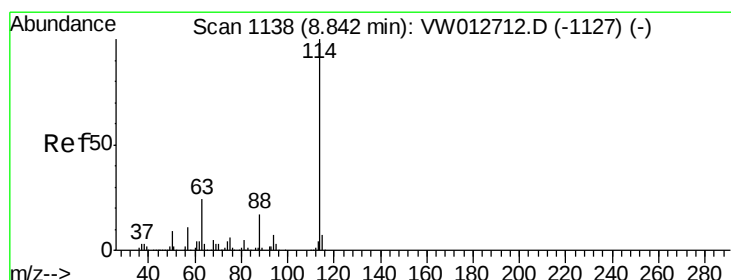
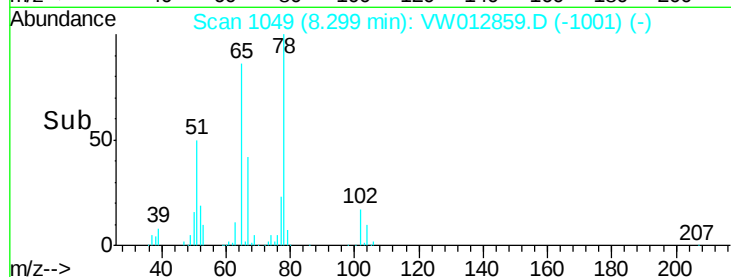
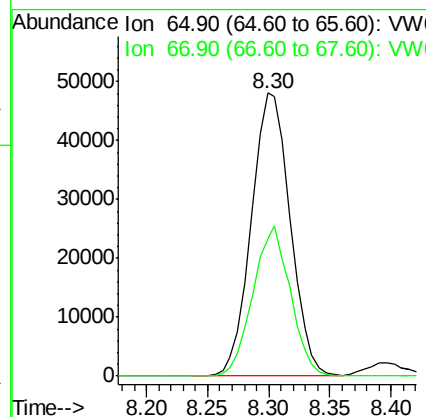
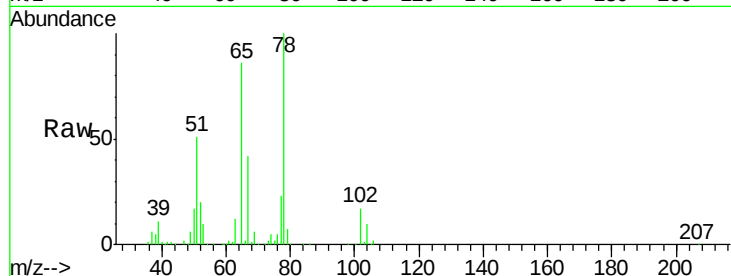
67 51.0 0.0 101.8

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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: VW012859.D

Acq: 10 Sep 2019 08:23

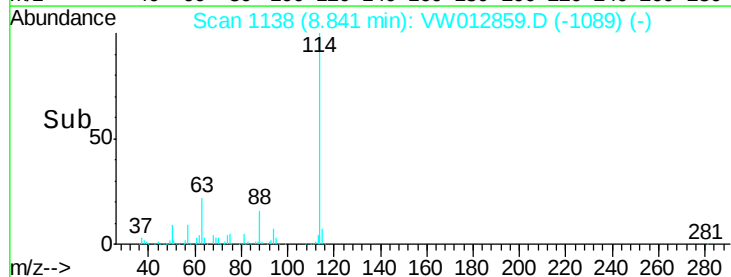
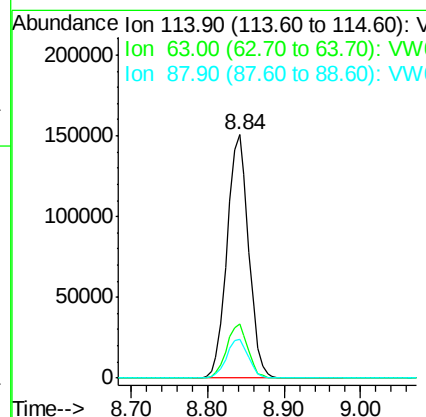
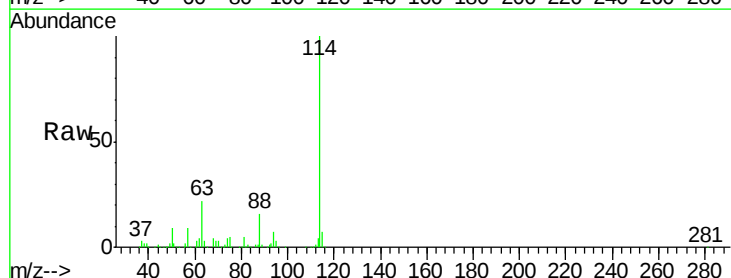
Tgt Ion: 114 Resp: 293823

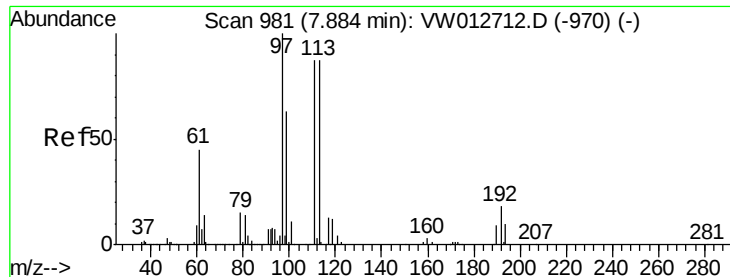
Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.2

88 16.2 0.0 34.0





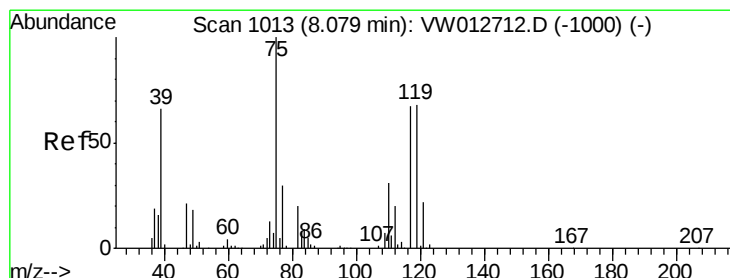
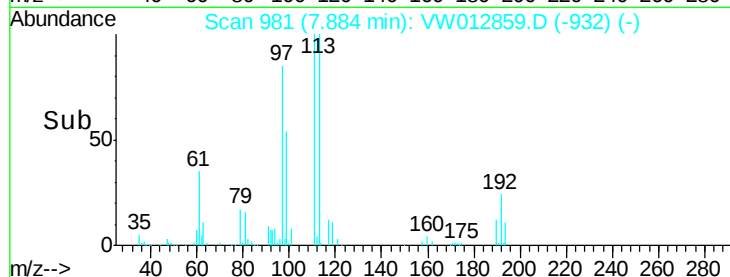
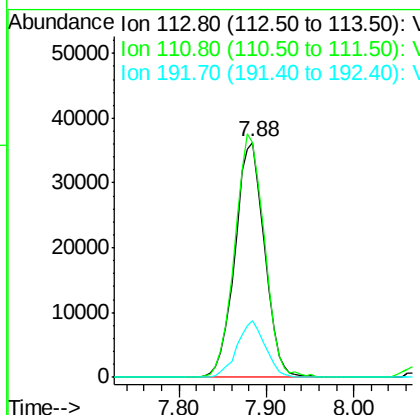
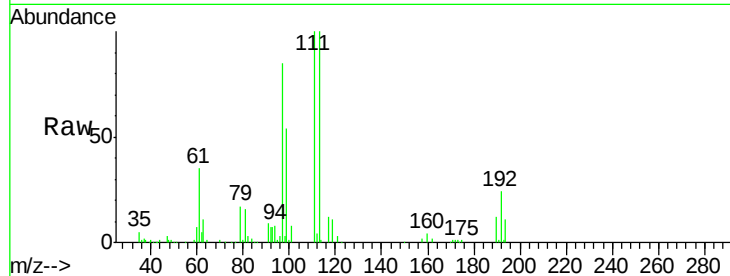
#35
 Dibromofluoromethane
 Concen: 48.792 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.2	120.4
192	22.9	17.3	25.9

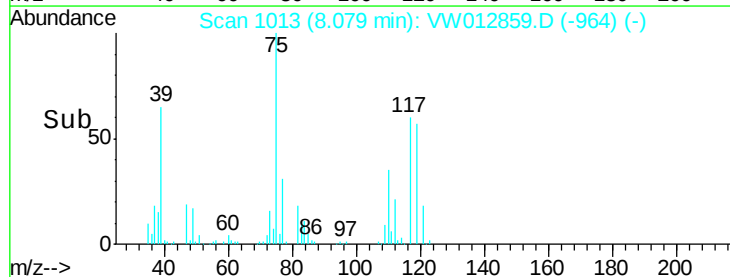
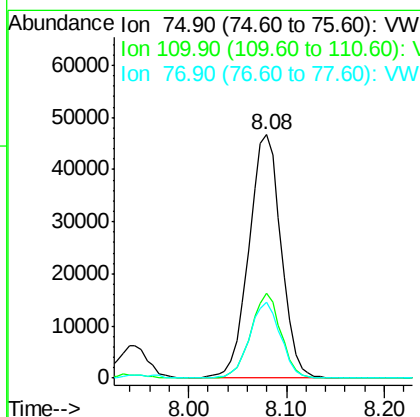
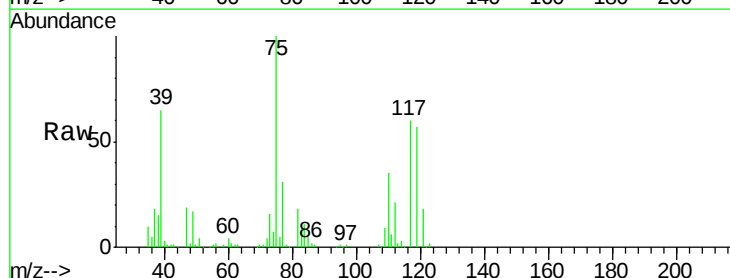
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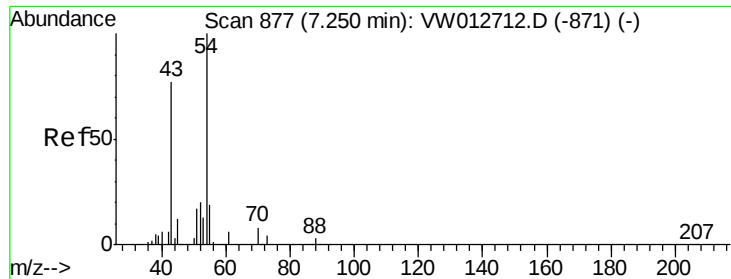
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#36
 1,1-Dichloropropene
 Concen: 41.027 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	15.9	47.7
77	30.5	25.0	37.4





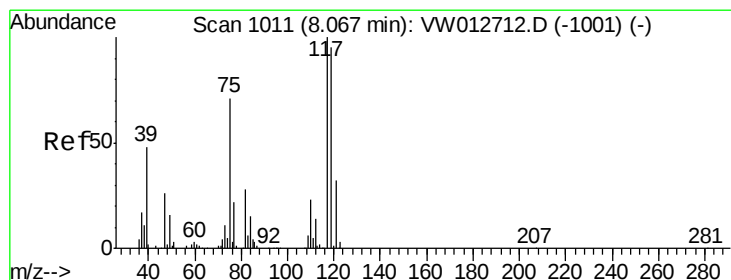
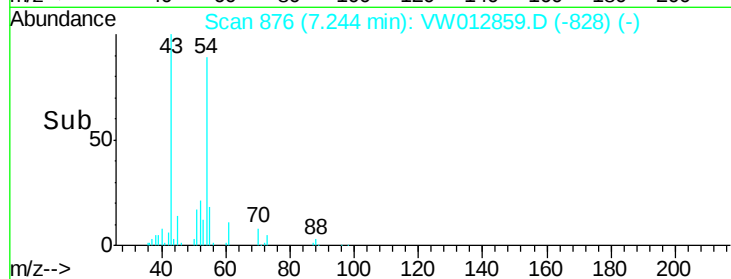
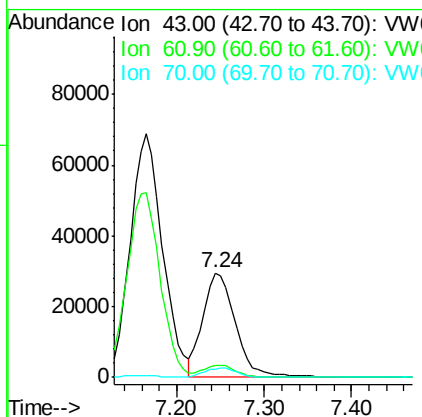
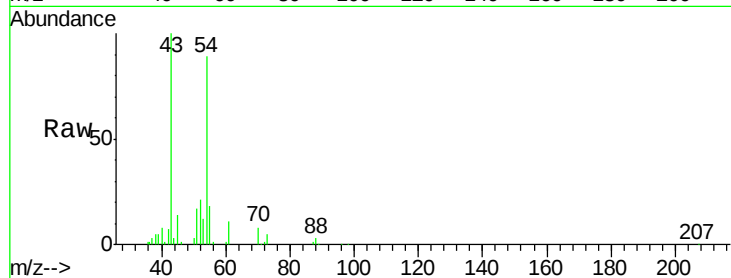
#37
Ethyl Acetate
Concen: 45.640 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.5	14.3
70	9.4	7.0	10.6

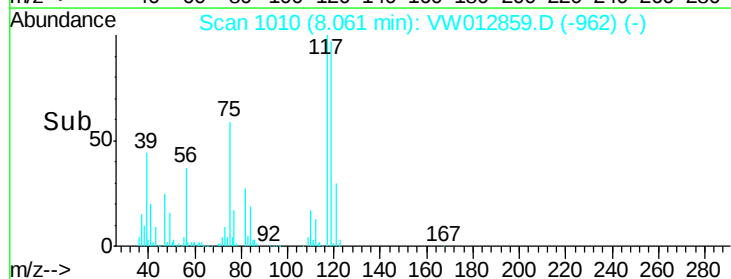
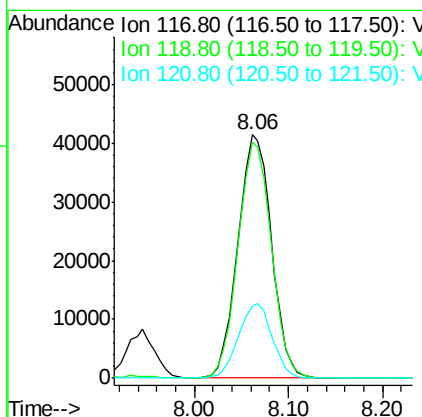
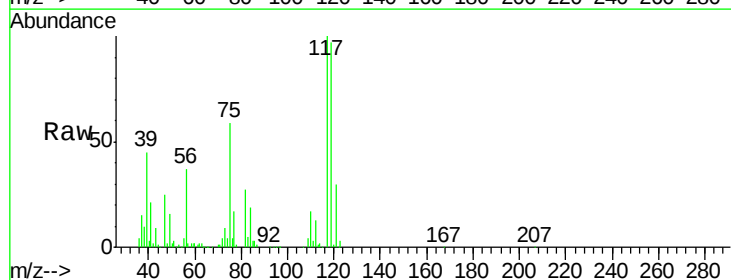
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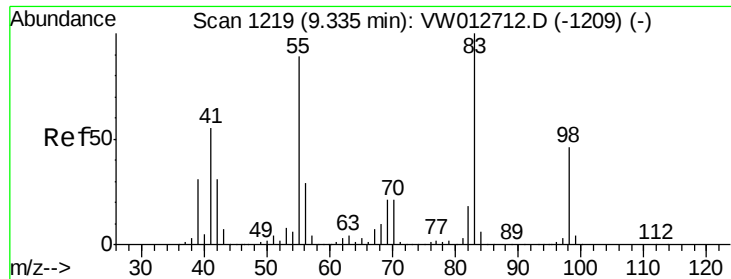
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#38
Carbon Tetrachloride
Concen: 40.292 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.2	114.2
121	29.6	25.4	38.2





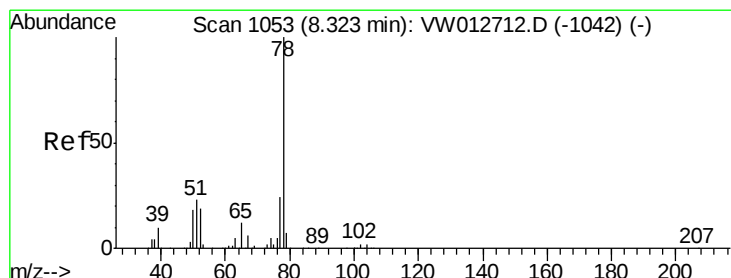
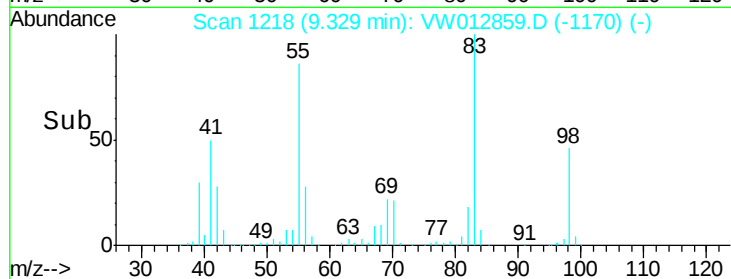
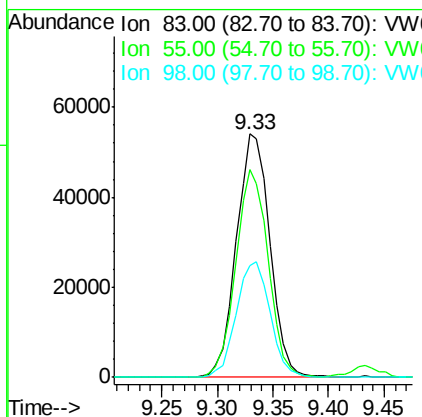
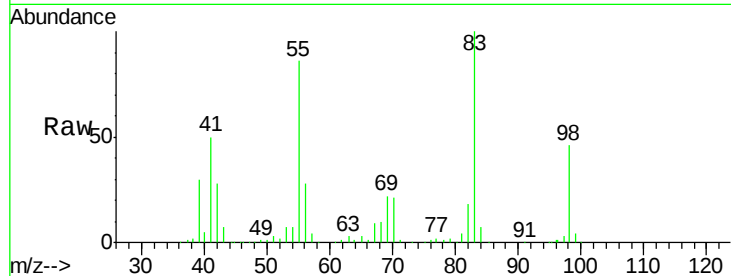
#39
Methvlcvclohexane
Concen: 38.457 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	112762
Ion Ratio	Lower	Upper	
83	100		
55	85.5	71.0	106.4
98	46.1	36.9	55.3

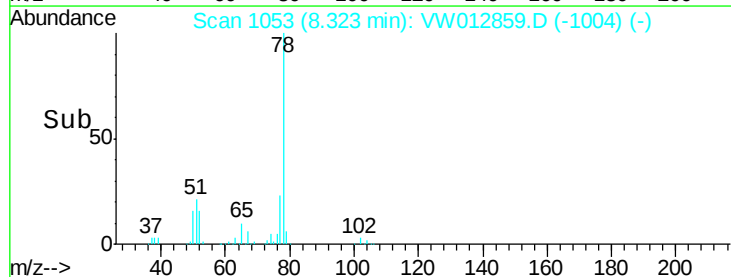
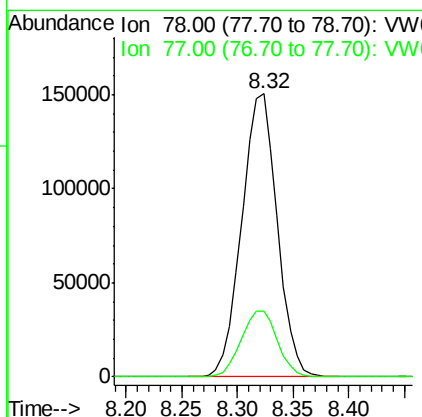
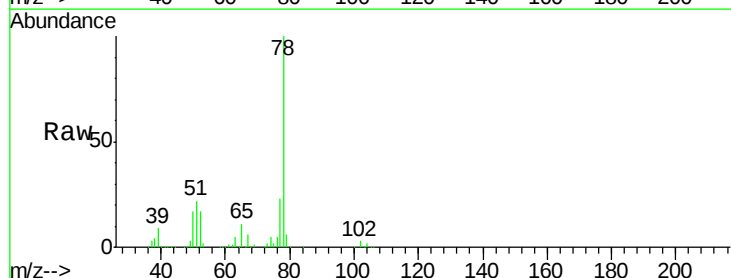
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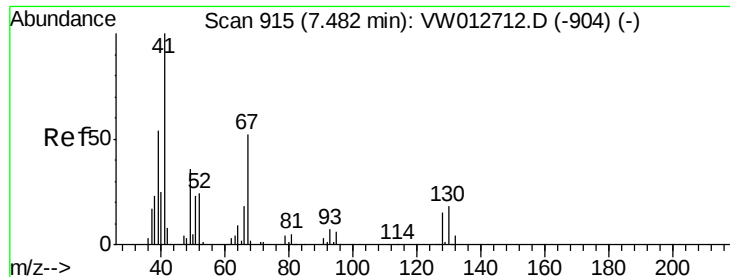
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#40
Benzene
Concen: 46.089 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	78	Resp	333843
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.3	28.9





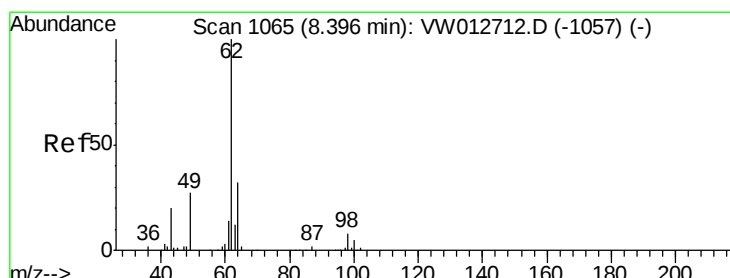
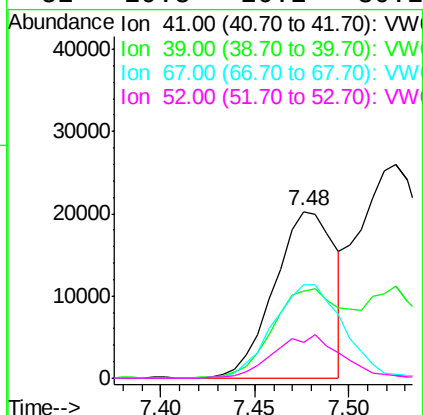
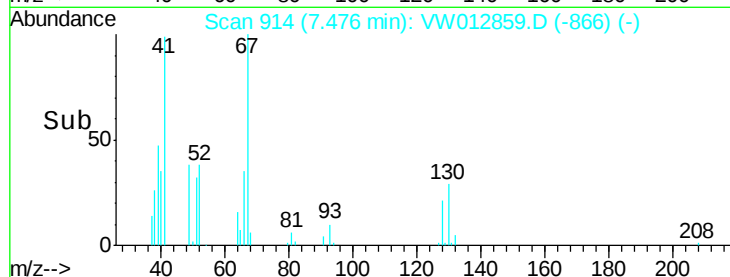
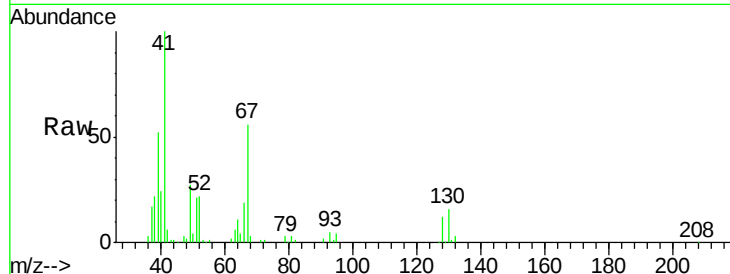
#41
Methacrylonitrile
Concen: 40.878 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		45388		
39	68.6	47.5	71.3		
67	66.4	45.1	67.7		
52	29.8	20.2	30.2		

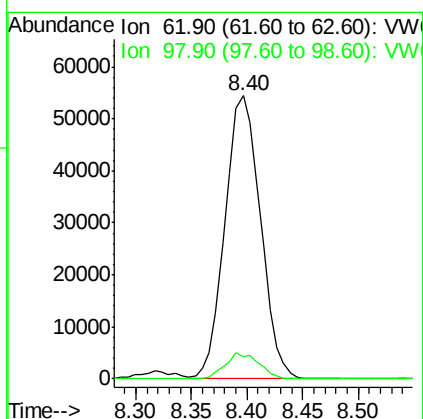
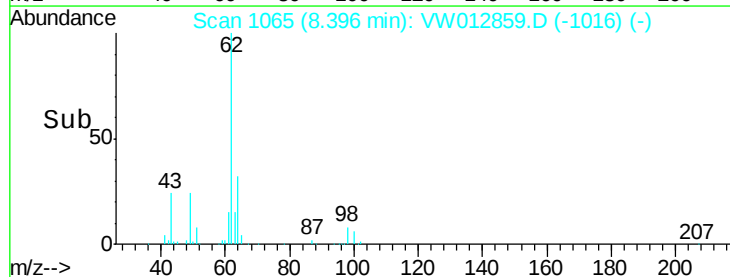
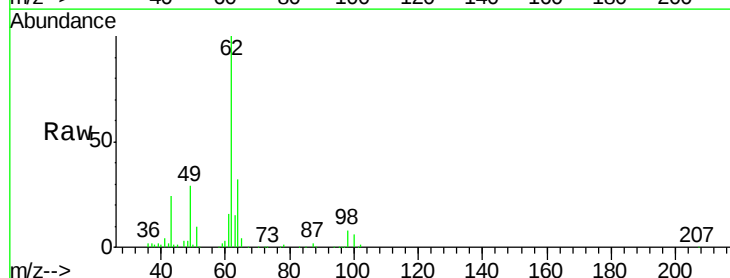
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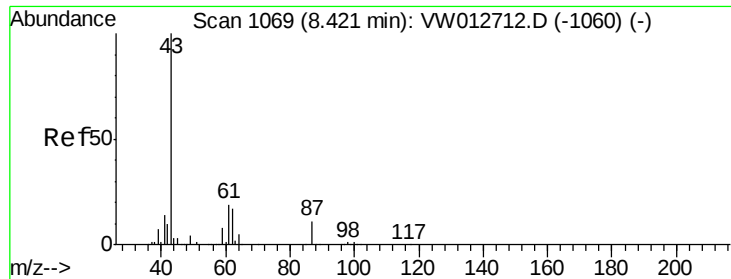
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.349 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		120704		
98	8.8	0.0	16.2		





#43

Isopropyl Acetate

Concen: 46.291 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

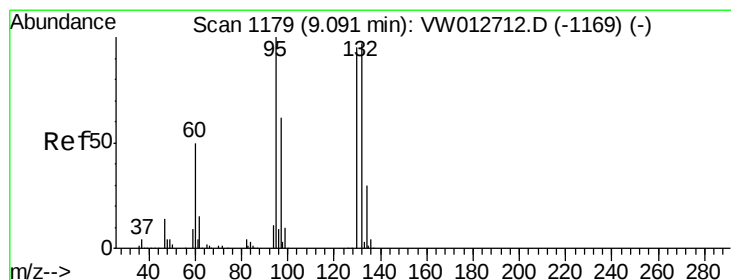
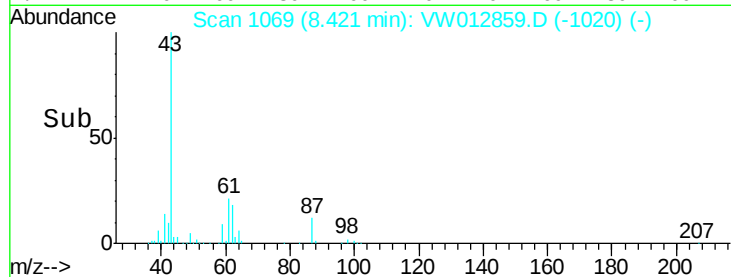
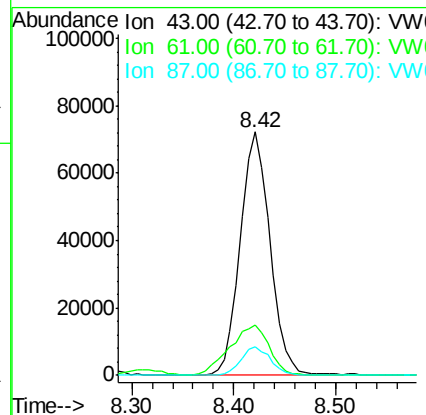
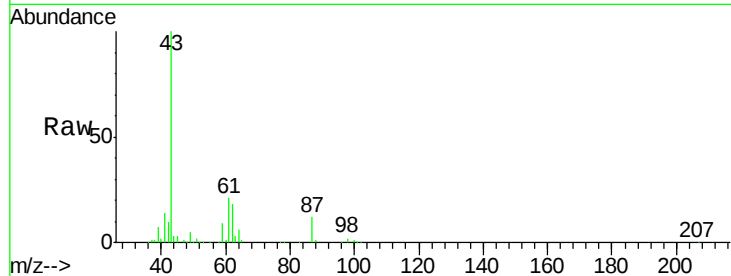
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	145955
Ion	Ratio	Lower	Upper
43	100		
61	27.5	20.6	30.8
87	11.6	8.6	13.0

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#44

Trichloroethene

Concen: 45.513 ug/l

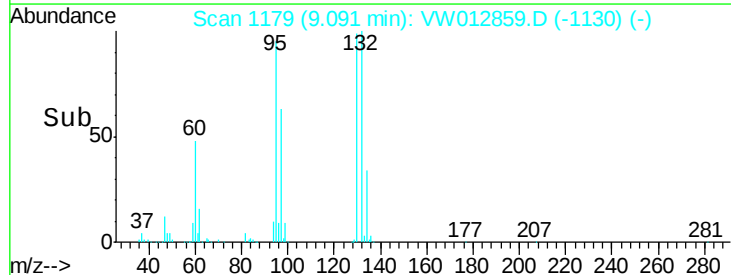
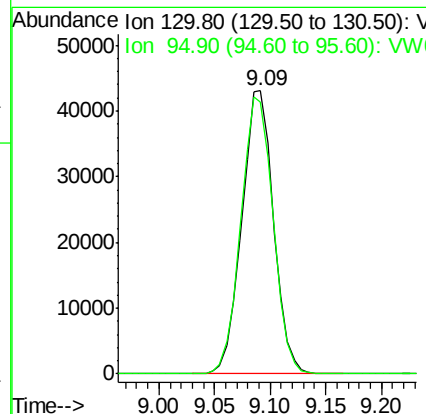
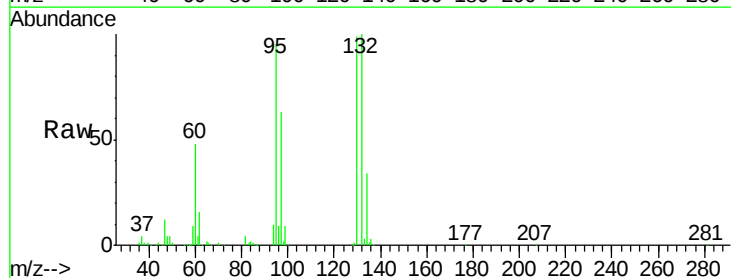
RT: 9.09 min Scan# 1179

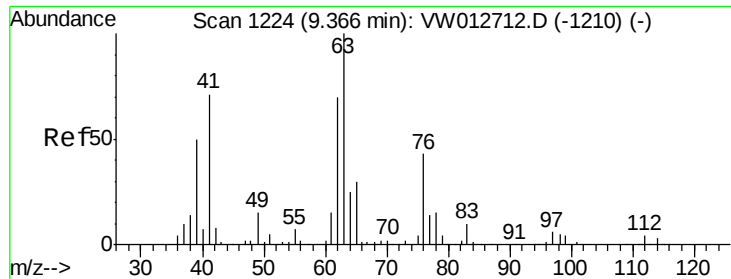
Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion:	130	Resp:	84978
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	210.6





#45

1,2-Dichloropropane

Concen: 47.296 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 95017

Ion Ratio Lower Upper

63 100

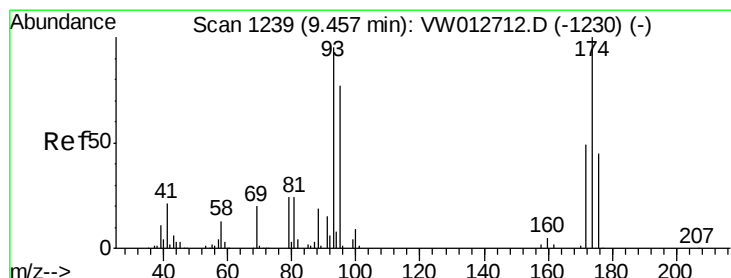
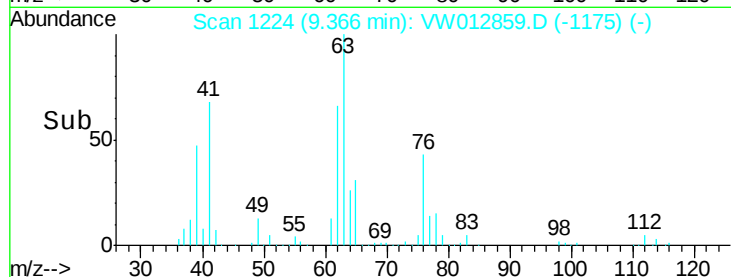
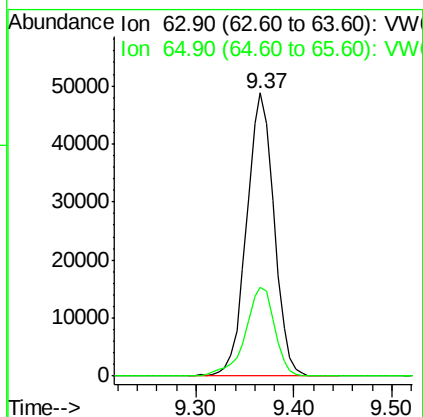
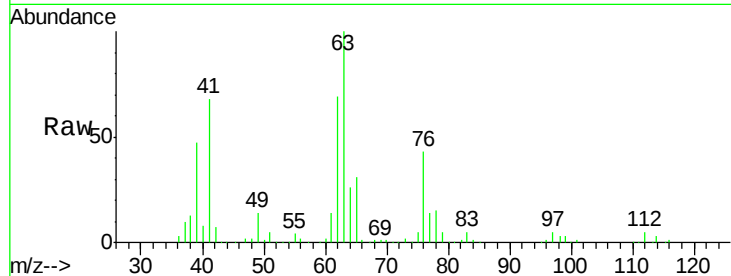
65 31.4 23.8 35.8

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#46

Dibromomethane

Concen: 49.440 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

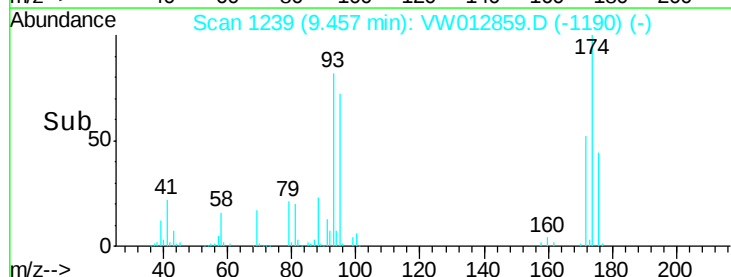
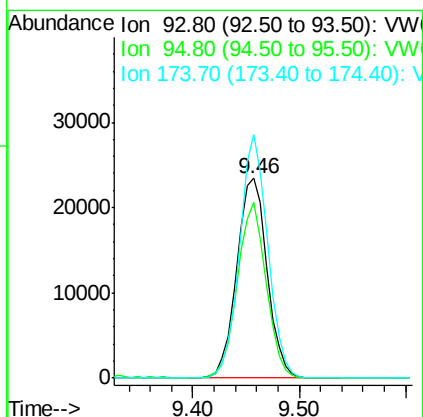
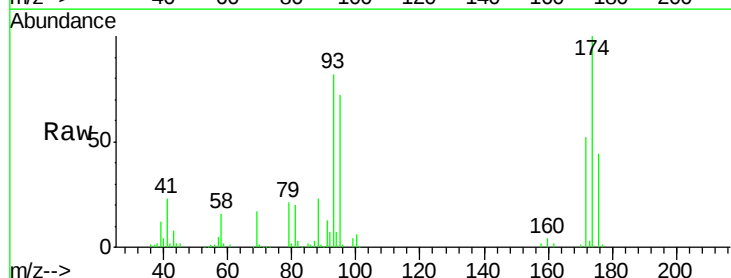
Tgt Ion: 93 Resp: 47034

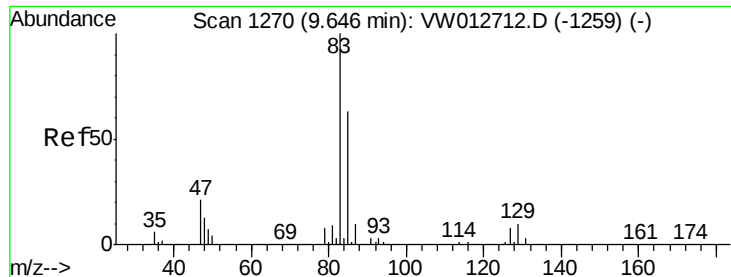
Ion Ratio Lower Upper

93 100

95 83.3 65.2 97.8

174 112.7 84.2 126.4





#47

Bromodichloromethane

Concen: 47.363 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

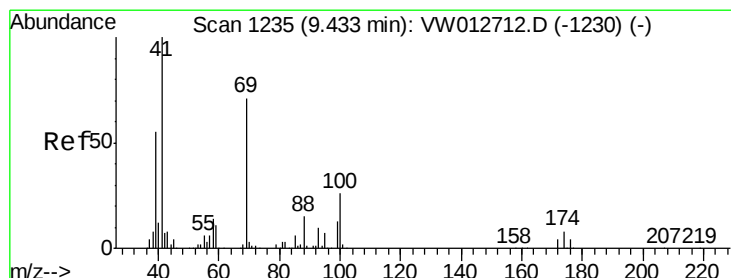
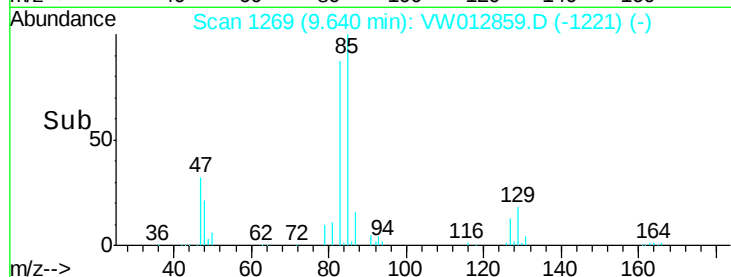
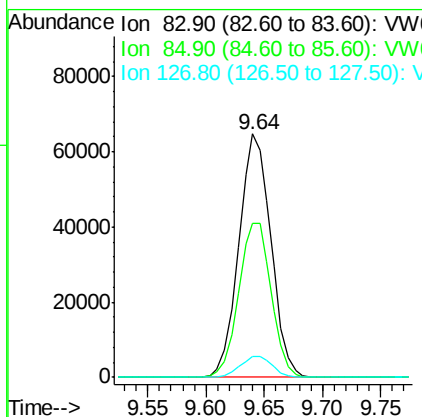
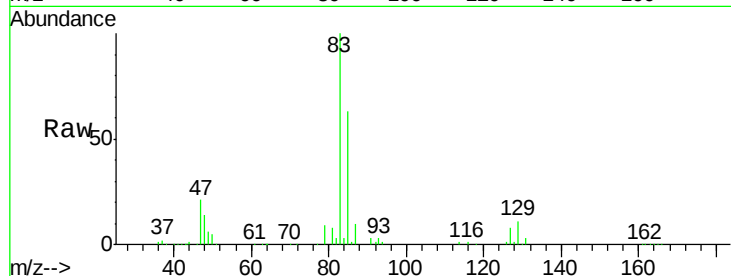
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	123963
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.2	75.2
127	8.4	6.6	9.8

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#48

Methyl methacrylate

Concen: 49.482 ug/l

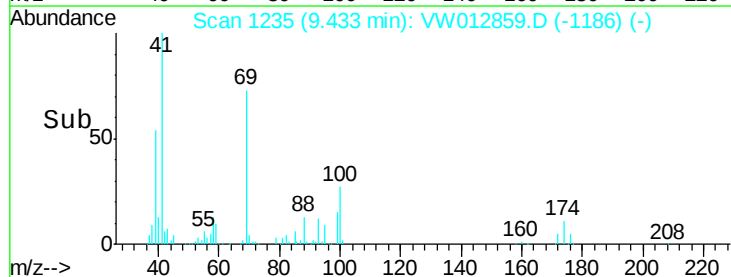
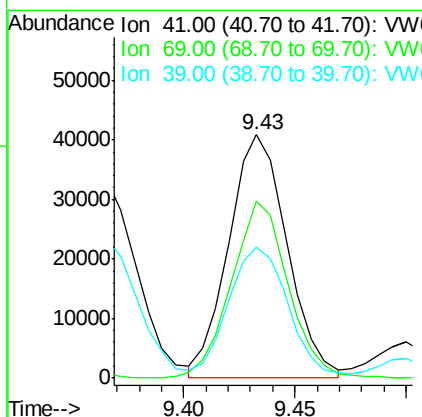
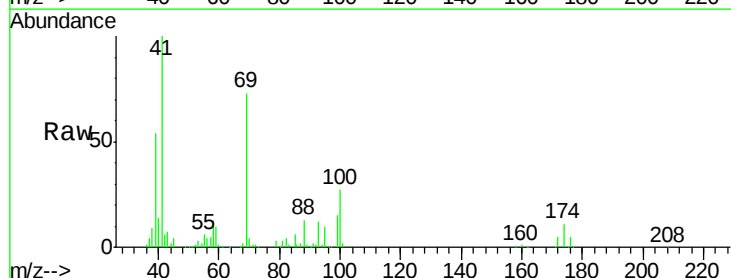
RT: 9.43 min Scan# 1235

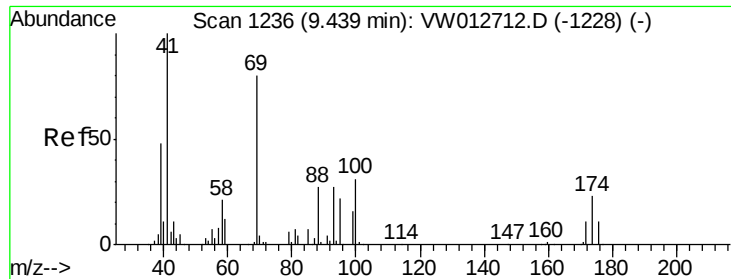
Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion:	41	Resp:	74559
Ion	Ratio	Lower	Upper
41	100		
69	71.4	59.8	89.8
39	54.9	47.0	70.6





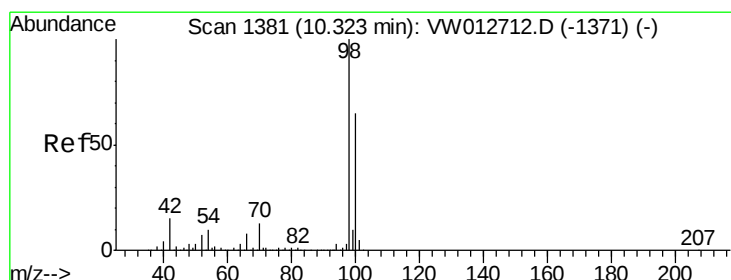
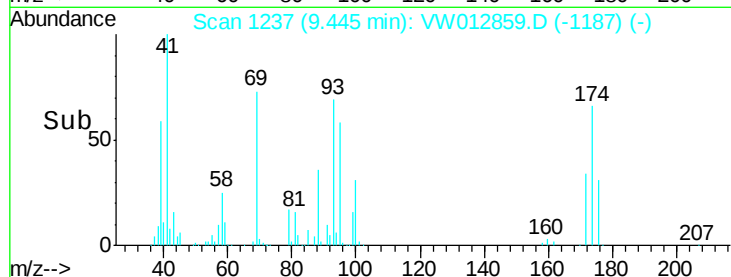
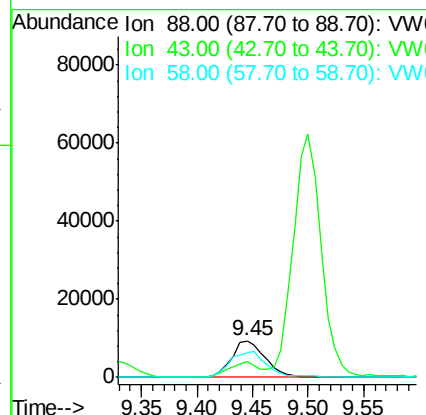
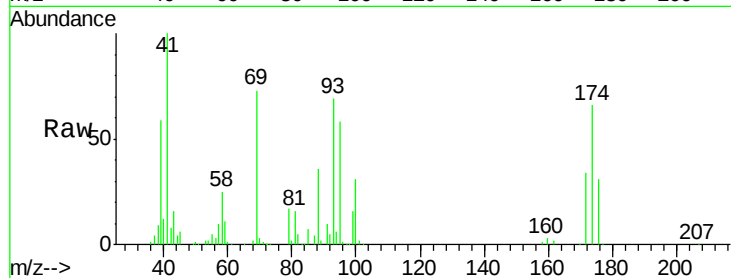
#49
1,4-Dioxane
Concen: 1040.257 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	19548
Ion Ratio	Lower	Upper	
88	100		
43	39.8	34.8	52.2
58	79.0	64.1	96.1

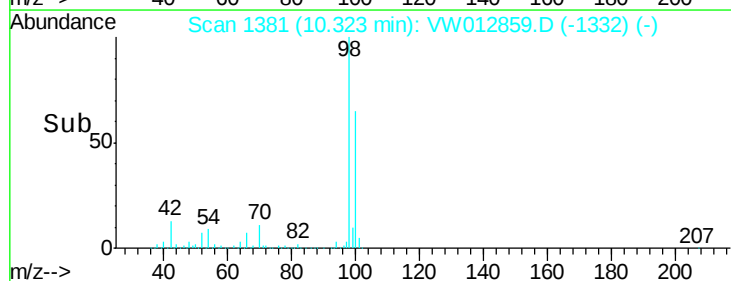
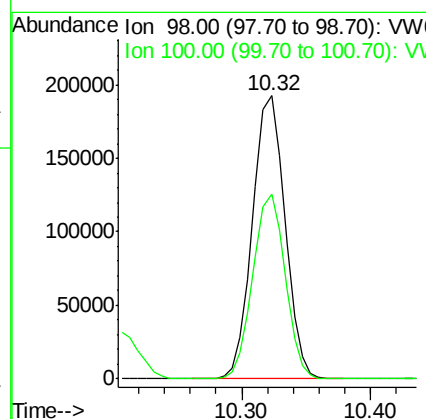
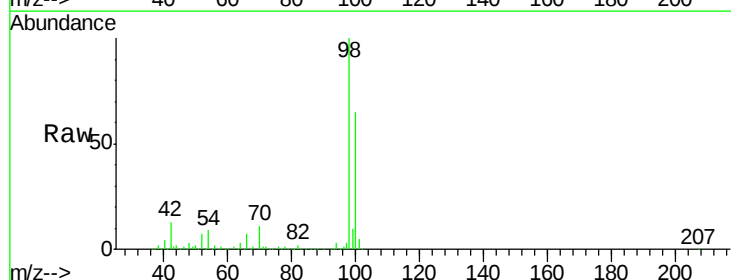
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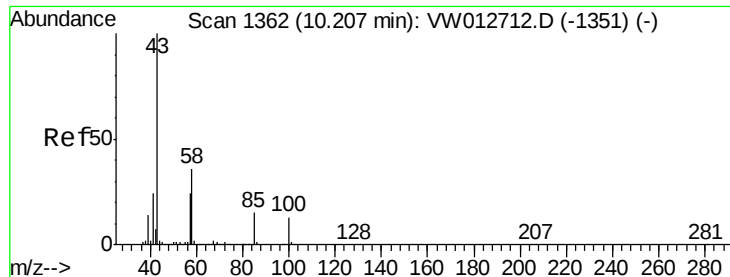
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#50
Toluene-d8
Concen: 49.144 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	98	Resp	336329
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.2	78.4





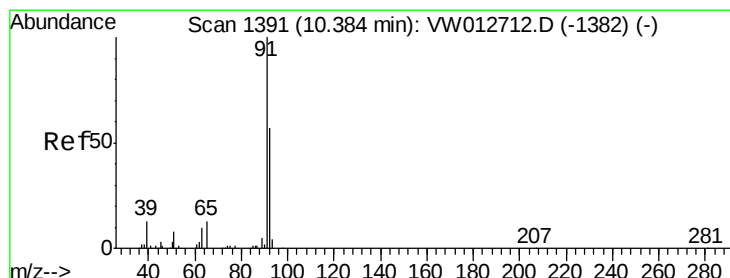
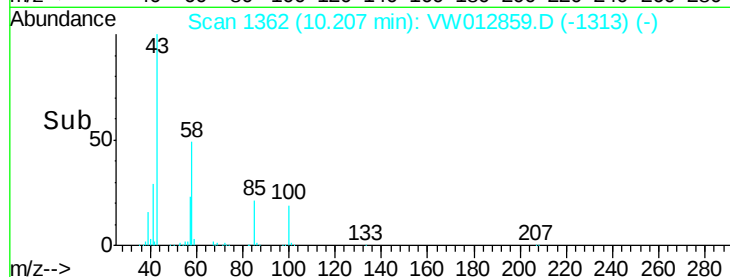
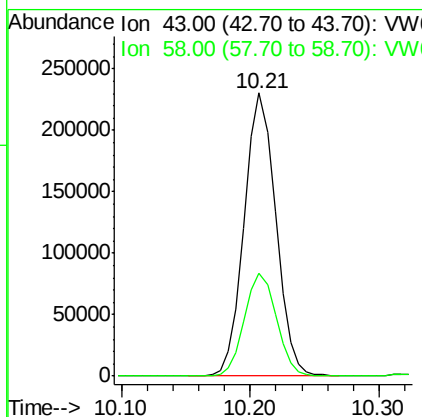
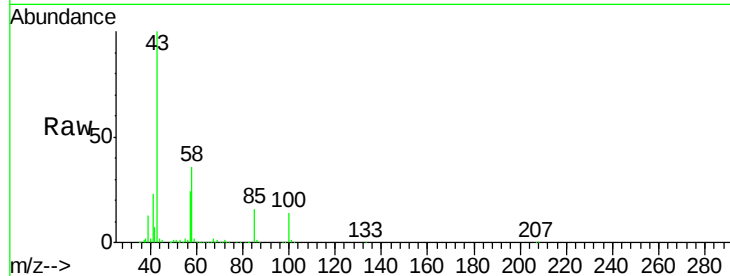
#51
 4-Methyl-2-Pentanone
 Concen: 236.455 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	391210
Ion Ratio	100	Lower	Upper
43	100		
58	36.9	28.4	42.6

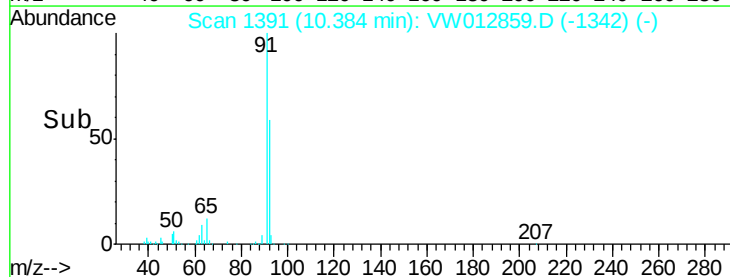
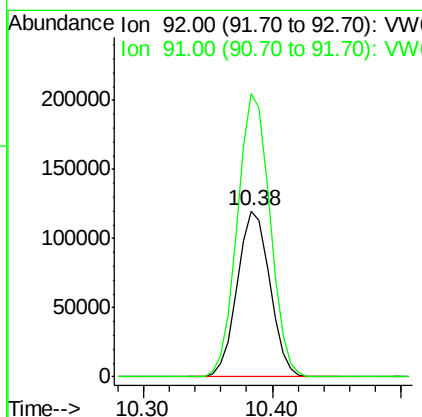
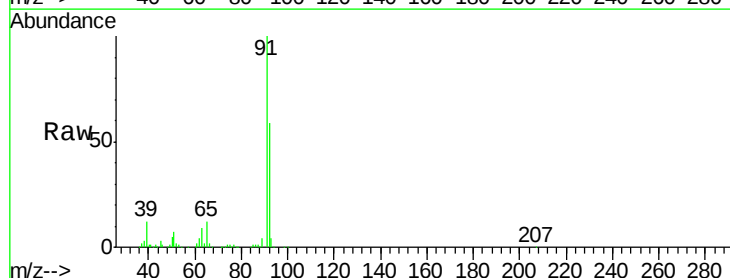
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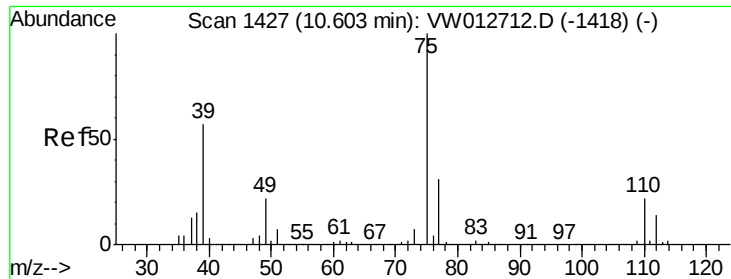
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#52
 Toluene
 Concen: 46.655 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Tgt Ion	92	Resp	210924
Ion Ratio	100	Lower	Upper
92	100		
91	170.5	137.0	205.4





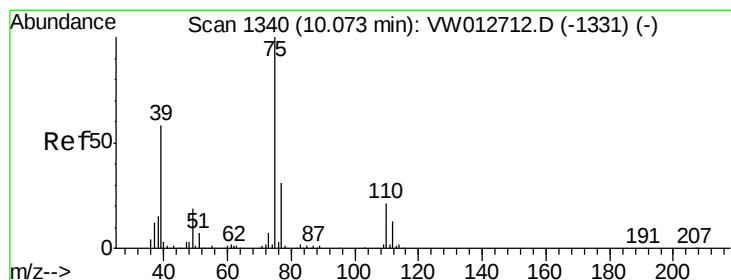
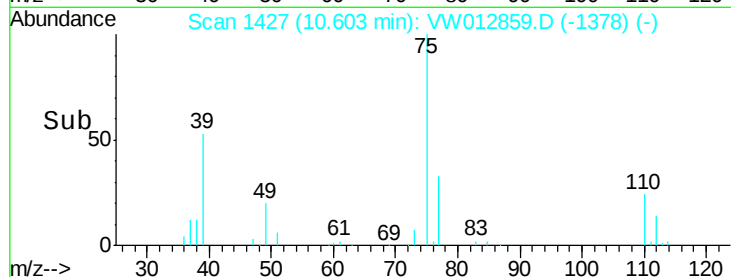
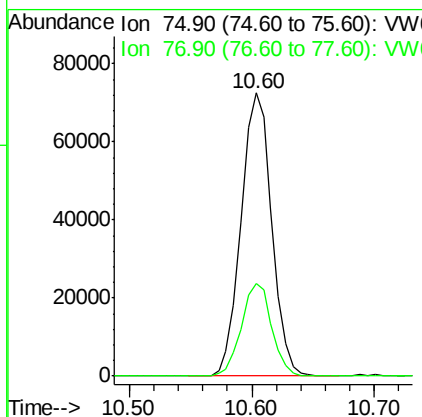
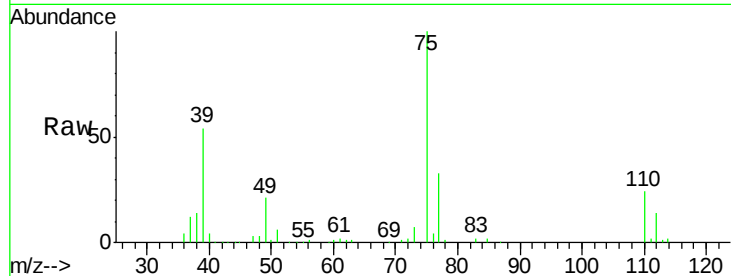
#53
 t-1,3-Dichloropropene
 Concen: 46.873 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 126151
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.7 37.1

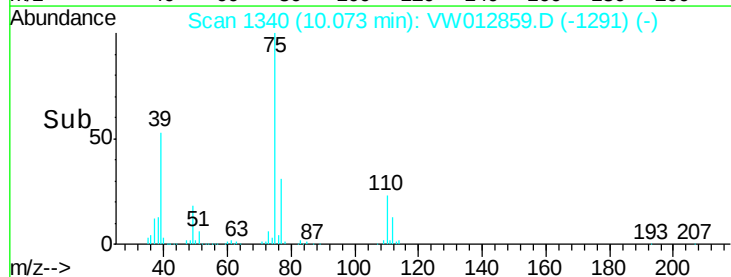
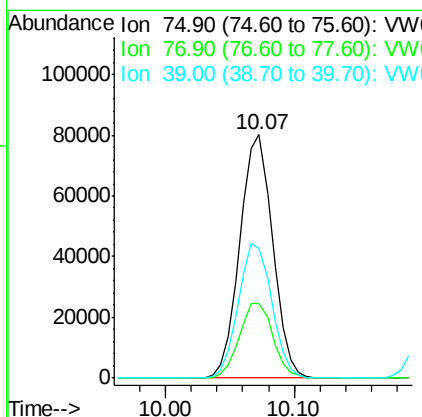
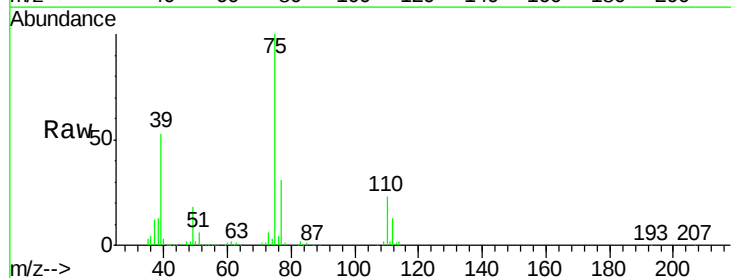
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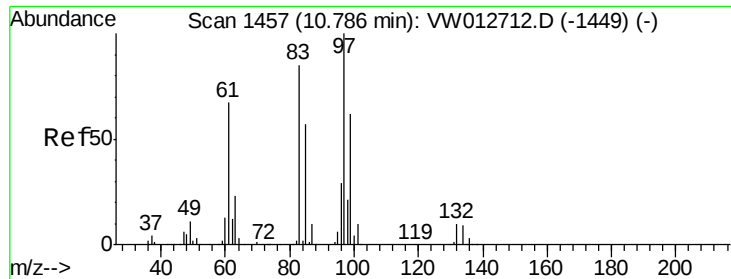
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#54
 cis-1,3-Dichloropropene
 Concen: 46.429 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Tgt Ion: 75 Resp: 141751
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 36.8
 39 53.0 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 50.452 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

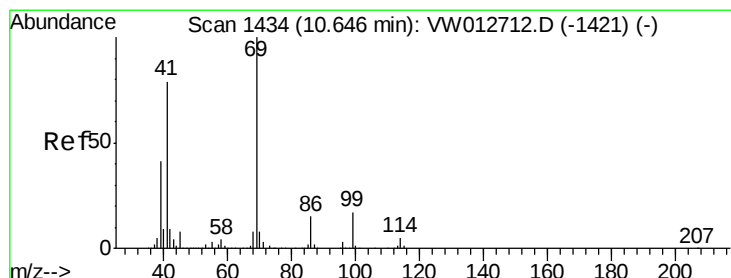
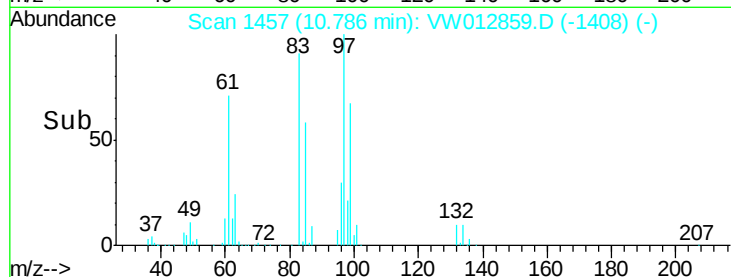
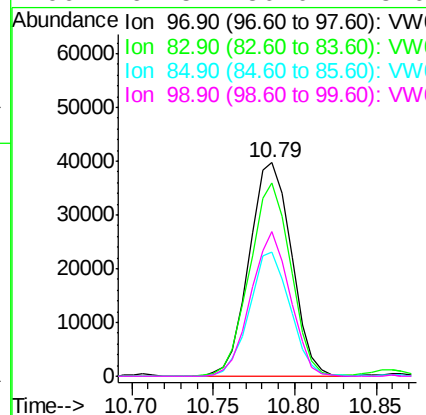
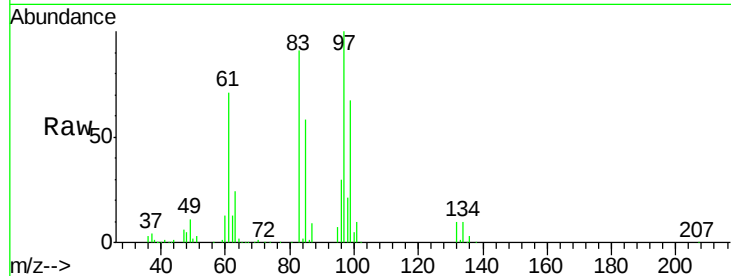
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	71857
Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.1	102.1
85	58.4	45.3	67.9
99	67.5	50.0	75.0

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#56

Ethyl methacrylate

Concen: 50.548 ug/l

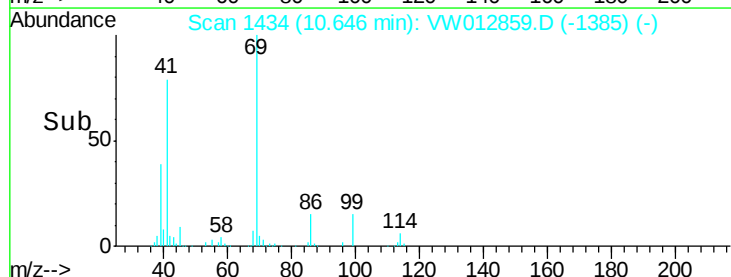
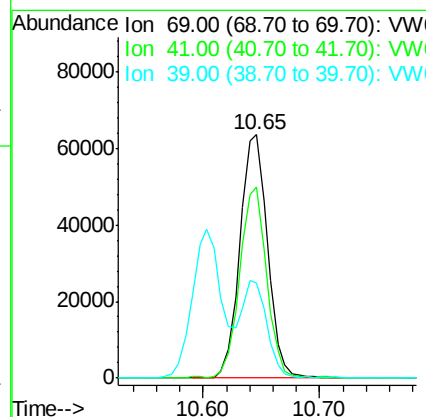
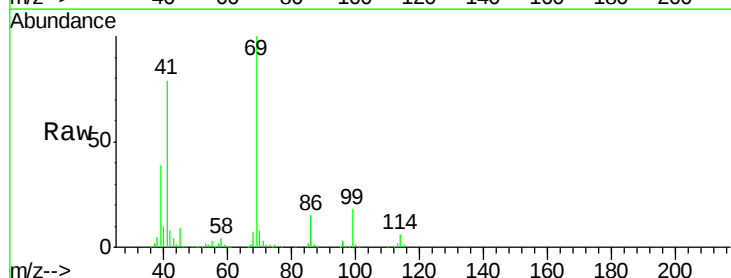
RT: 10.65 min Scan# 1434

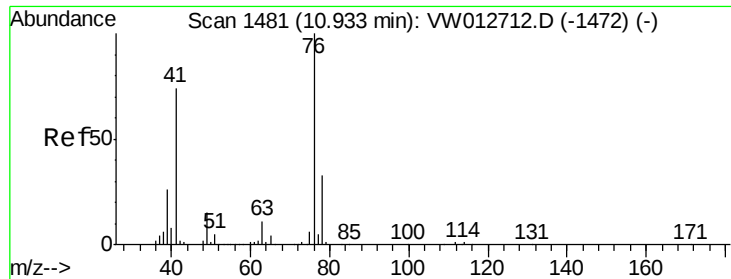
Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion:	69	Resp:	105383
Ion	Ratio	Lower	Upper
69	100		
41	77.8	64.4	96.6
39	35.1	31.1	46.7





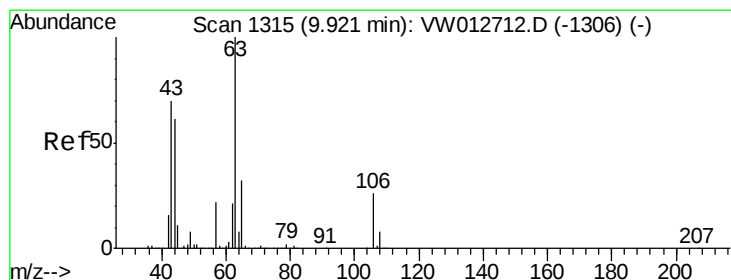
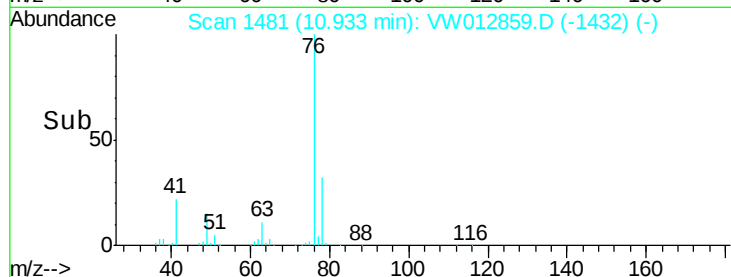
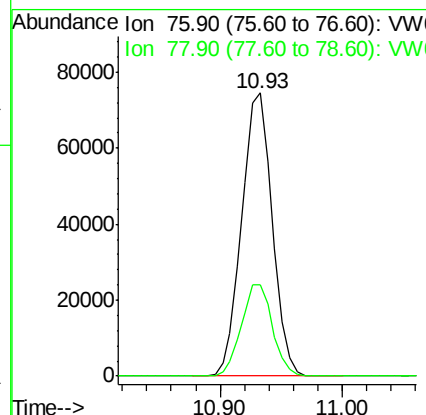
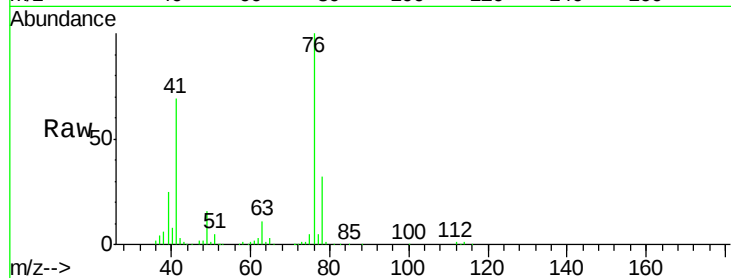
#57
 1,3-Dichloropropane
 Concen: 48.984 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9

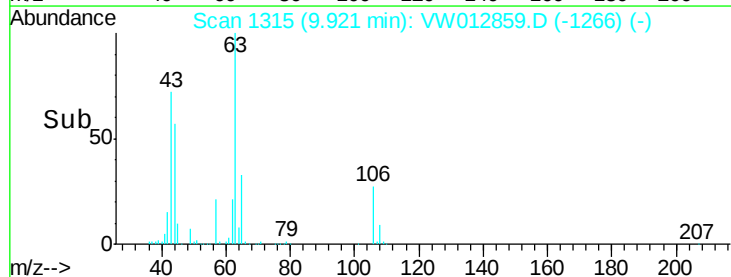
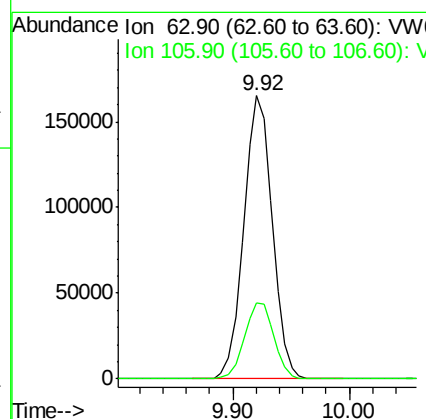
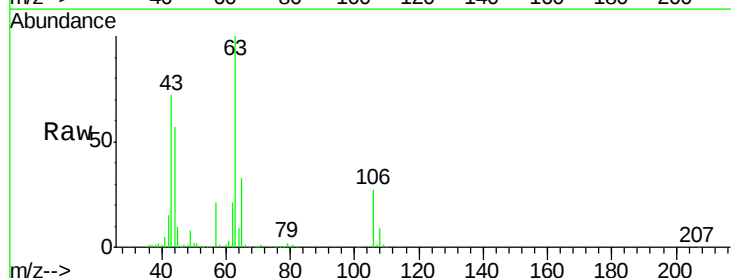
Manual Integrations
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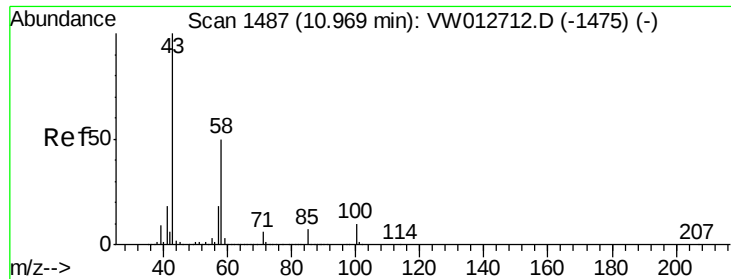
MMDadoda
 9/11/2019 8:15:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.822 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	20.5	30.7





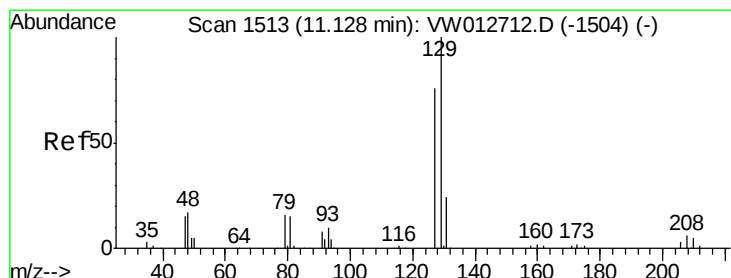
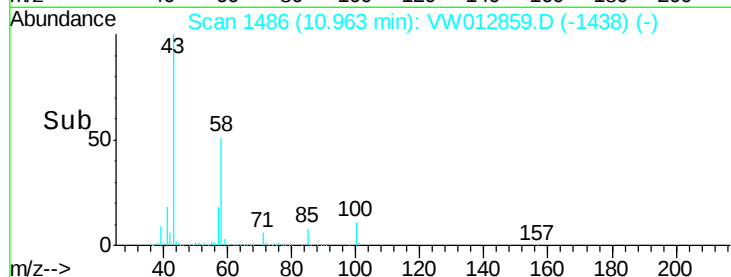
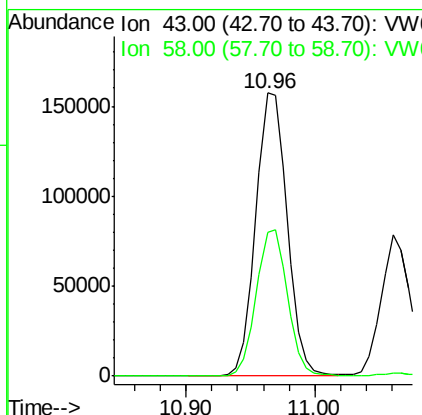
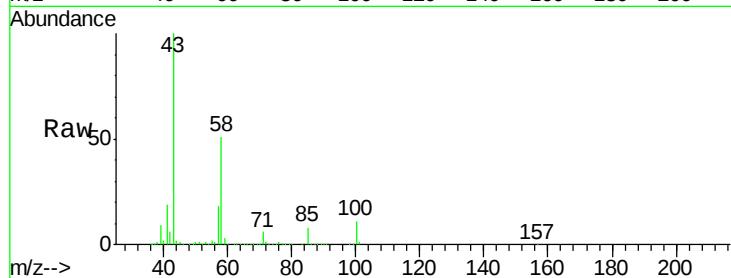
#59
2-Hexanone
Concen: 219.558 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 265387
Ion Ratio Lower Upper
43 100
58 51.6 24.7 74.1

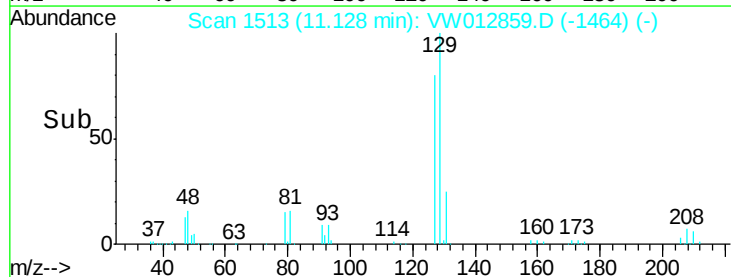
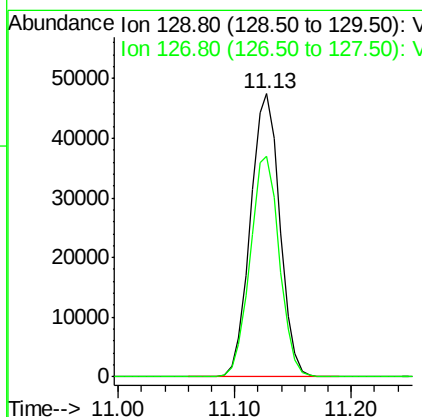
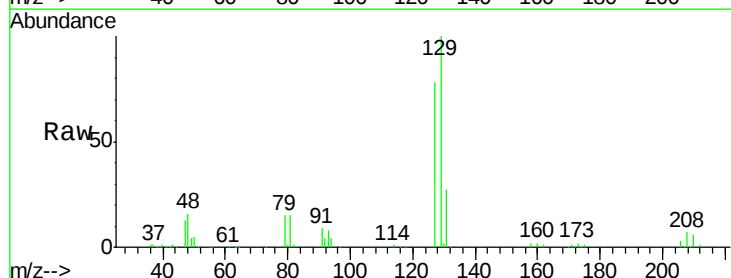
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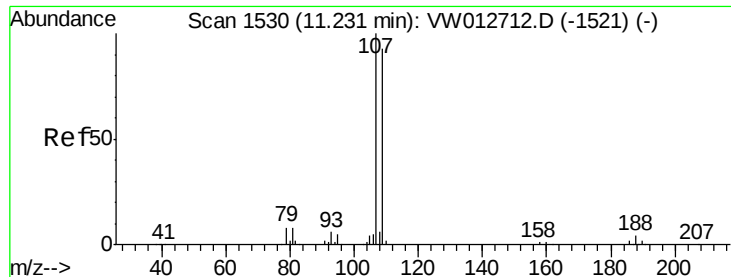
MMDadoda
9/11/2019 8:15:47 AM



#60
Dibromochloromethane
Concen: 49.952 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion: 129 Resp: 83671
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





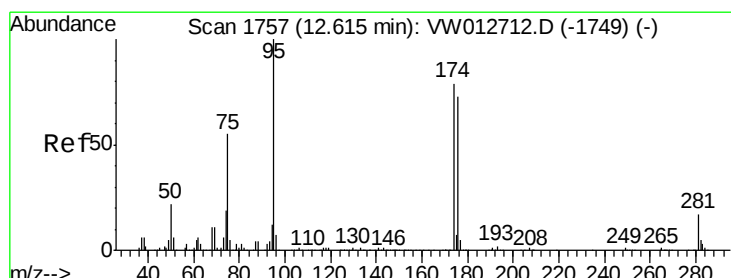
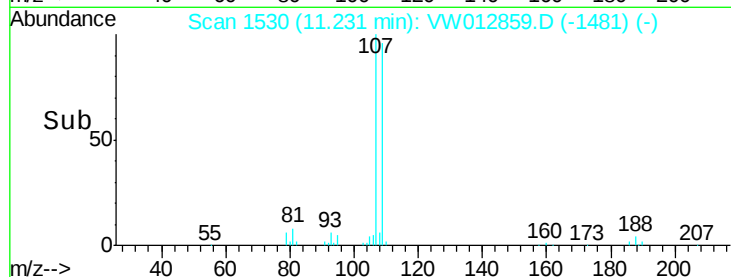
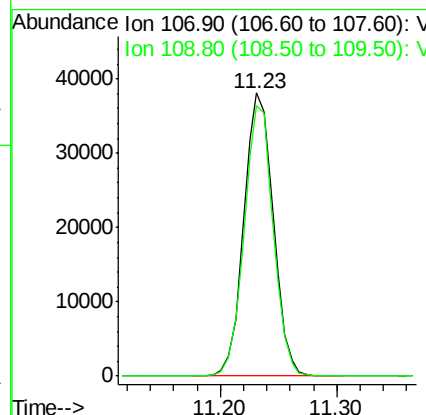
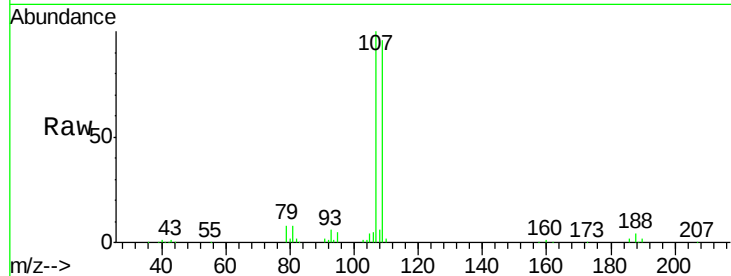
#61
 1,2-Dibromoethane
 Concen: 51.678 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.0	112.6

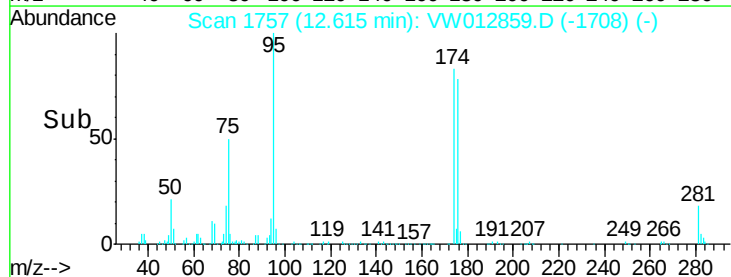
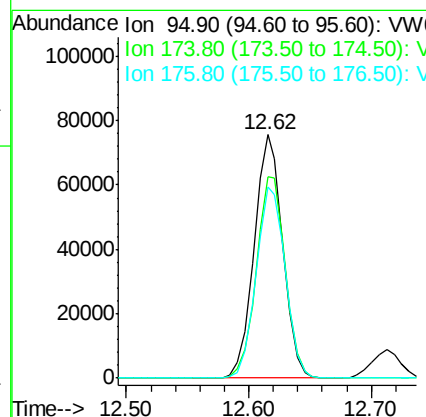
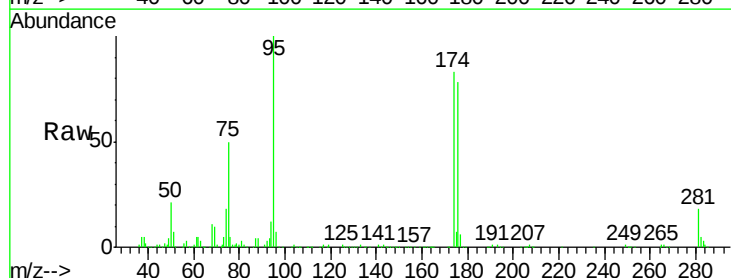
Manual Integrations
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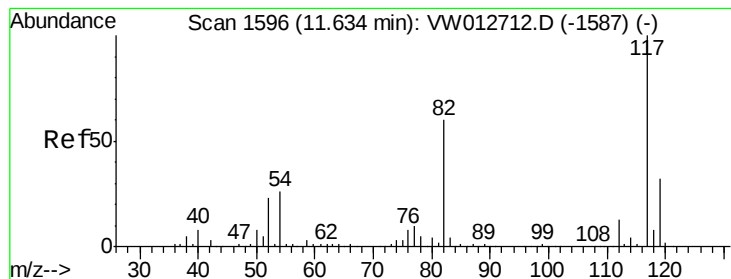
MMDadoda
 9/11/2019 8:15:47 AM



#62
 4-Bromofluorobenzene
 Concen: 49.335 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	161.0
176	80.1	0.0	156.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

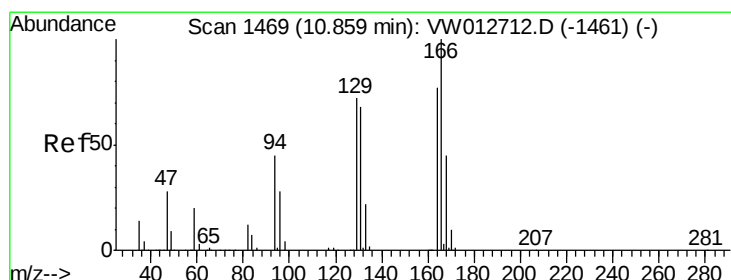
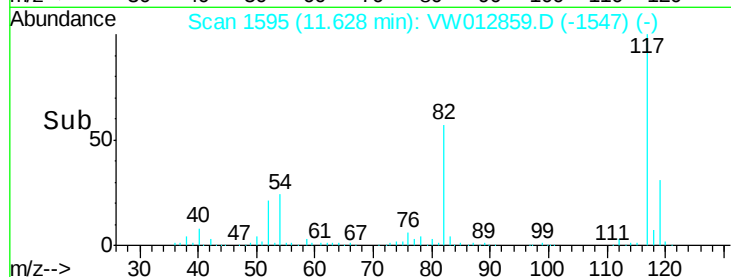
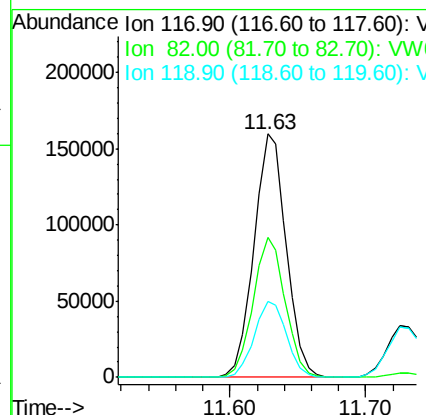
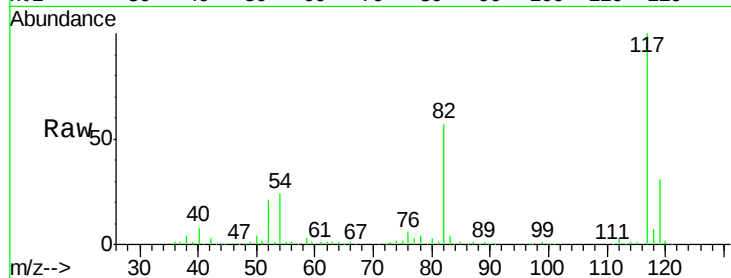
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	265050
Ion Ratio	Lower	Upper	
117	100		
82	57.3	48.2	72.4
119	31.0	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 52.677 ug/l

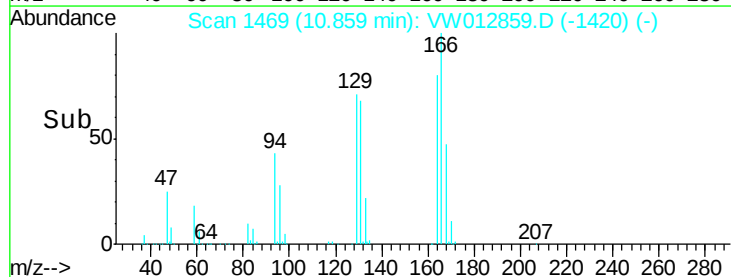
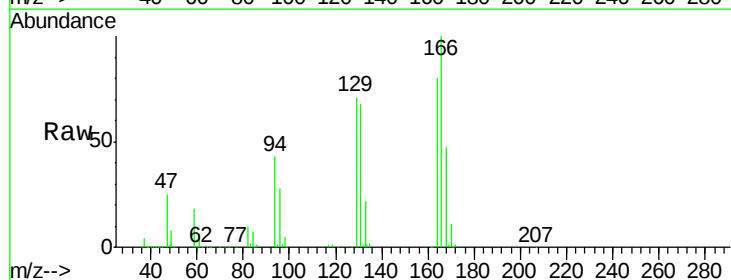
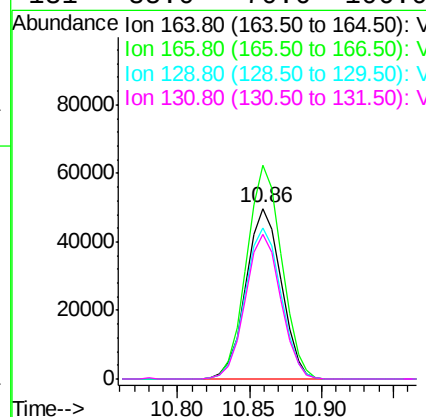
RT: 10.86 min Scan# 1469

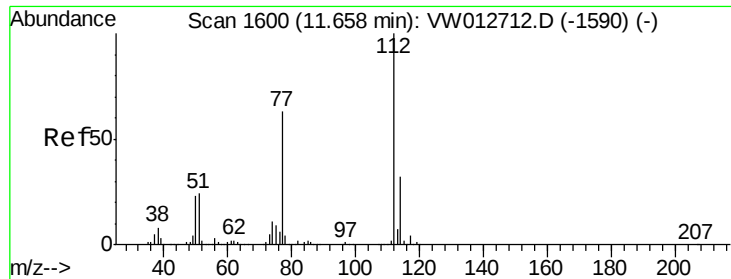
Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion:	164	Resp:	84718
Ion Ratio	Lower	Upper	
164	100		
166	125.4	103.6	155.4
129	88.9	74.6	112.0
131	85.0	70.6	106.0





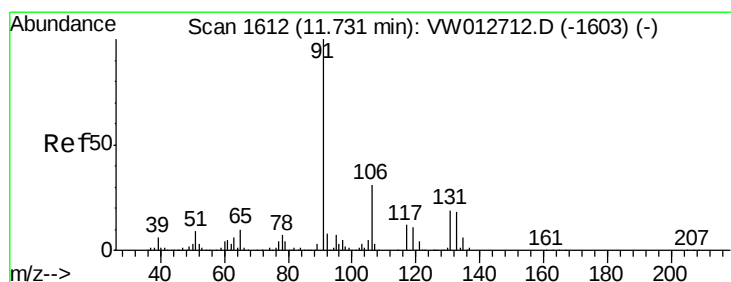
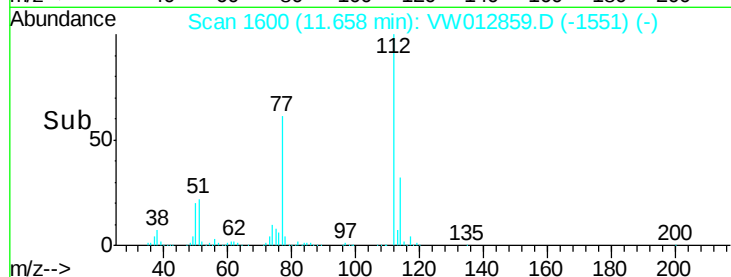
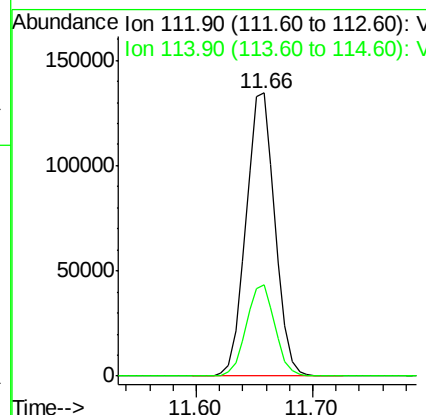
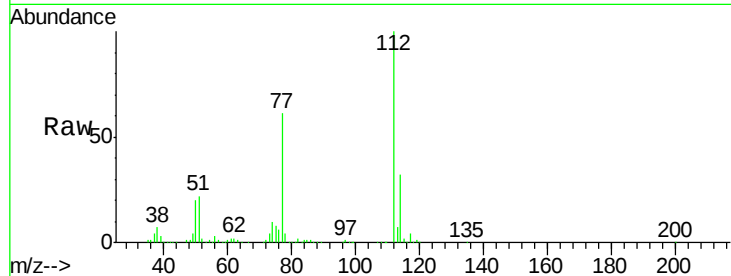
#65
Chlorobenzene
Concen: 46.478 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.3	37.9

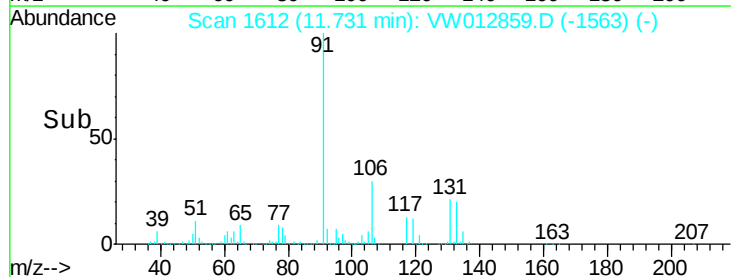
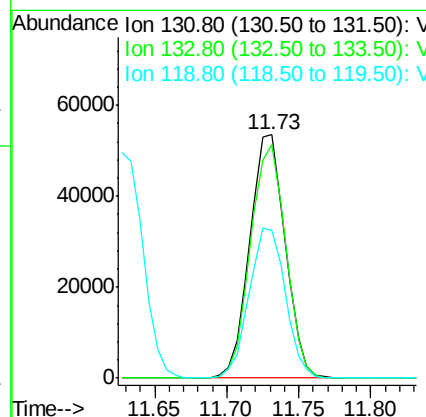
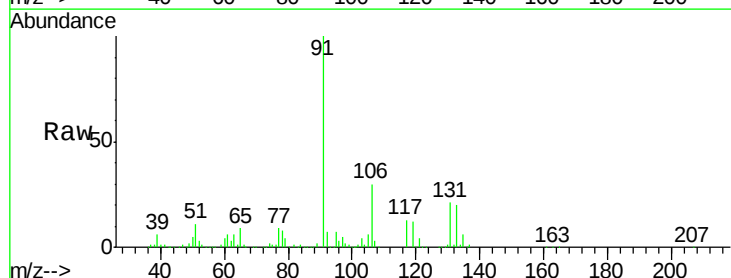
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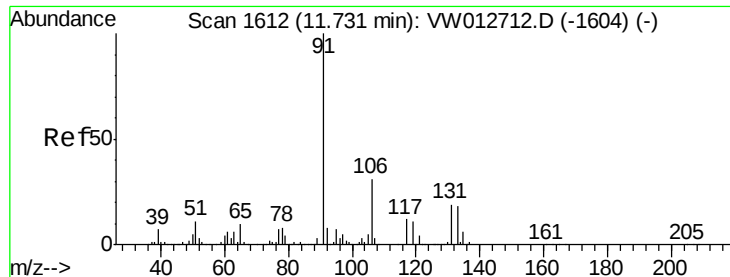
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.845 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.6	142.8
119	62.9	30.6	92.0





#67

Ethyl Benzene

Concen: 44.943 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 422420

Ion Ratio Lower Upper

91 100

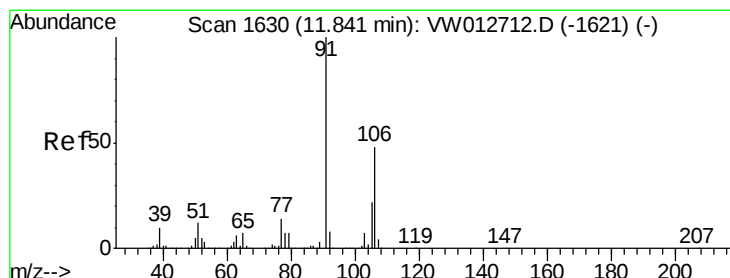
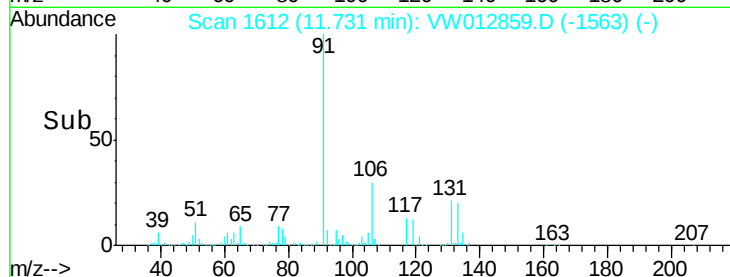
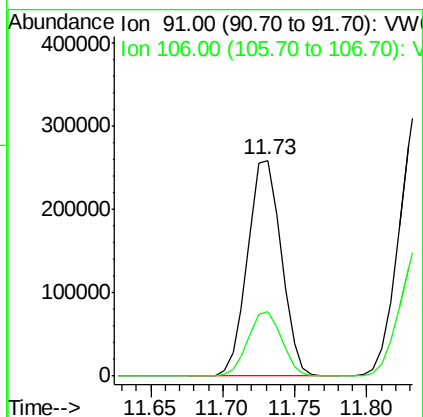
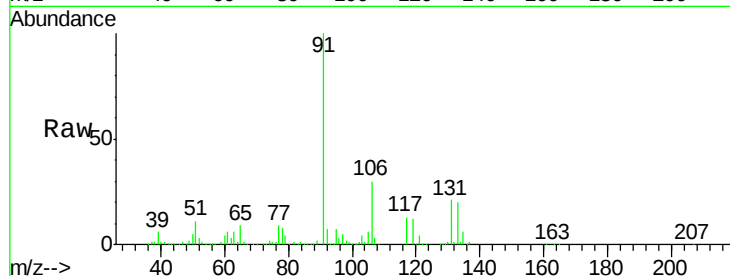
106 30.1 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 91.667 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW012859.D

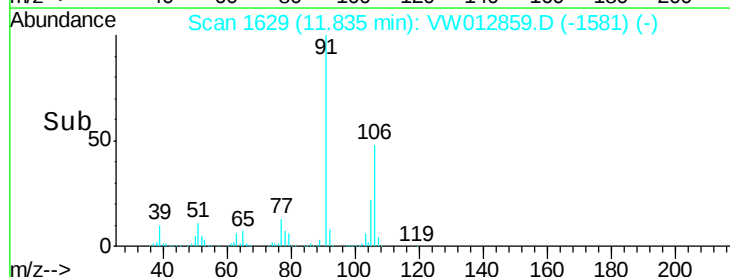
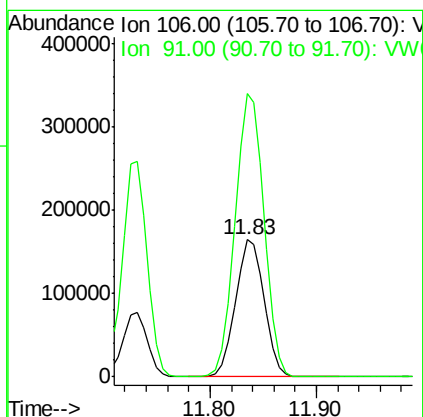
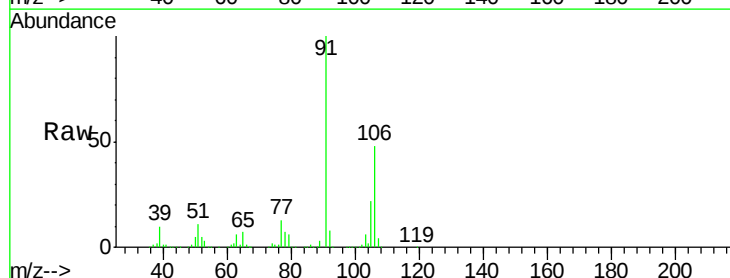
Acq: 10 Sep 2019 08:23

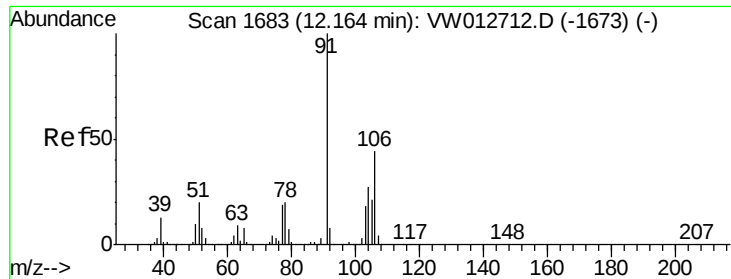
Tgt Ion: 106 Resp: 310992

Ion Ratio Lower Upper

106 100

91 207.9 168.2 252.4





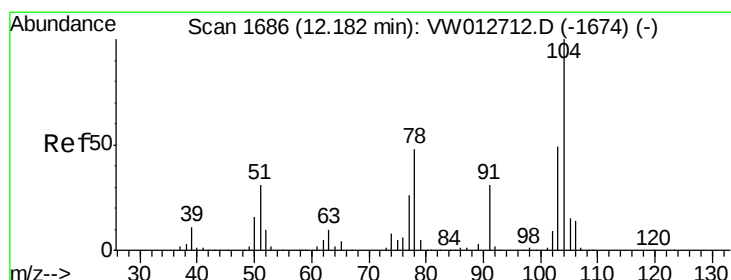
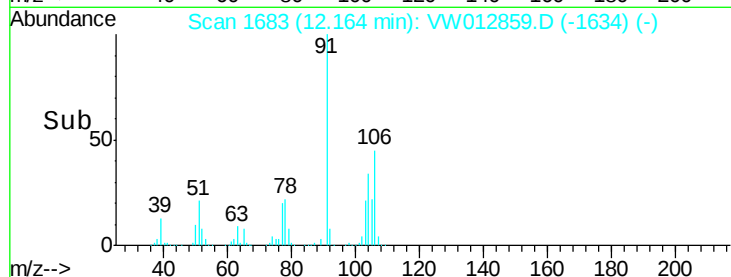
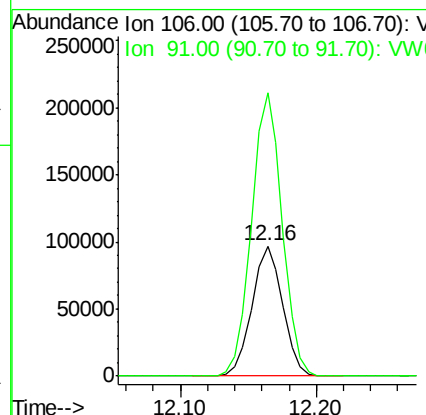
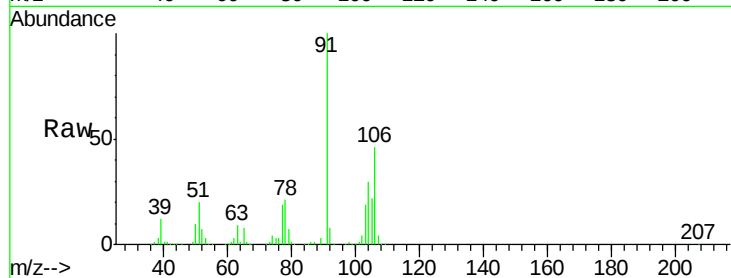
#69
o-Xylene
Concen: 47.990 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		153603		
91	216.3	112.3	336.8		

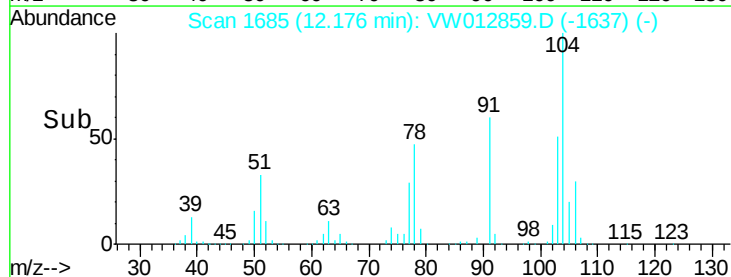
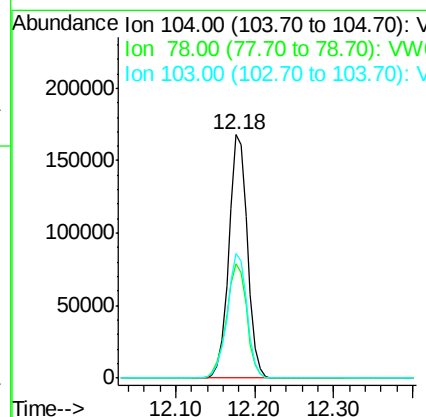
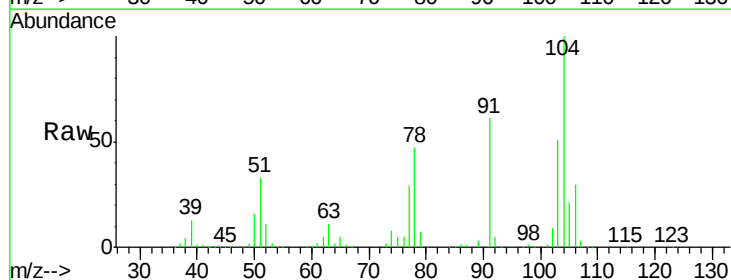
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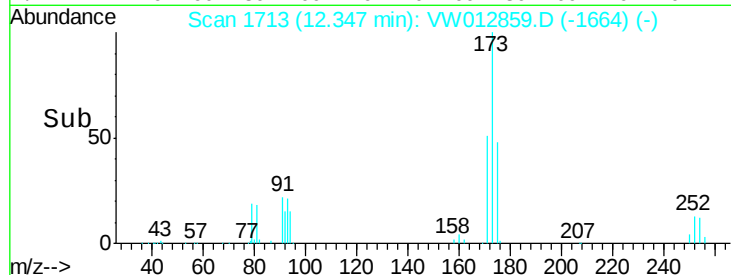
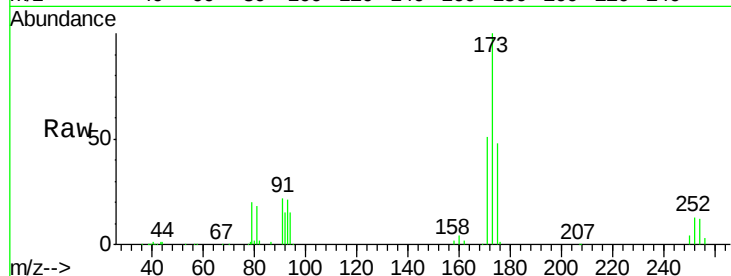
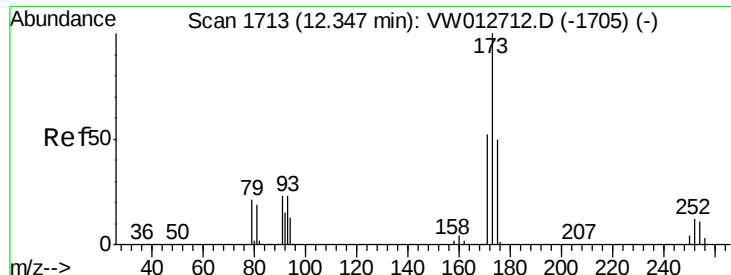
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#70
Styrene
Concen: 48.310 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		273235		
78	51.7	43.3	64.9		
103	54.2	44.0	66.0		





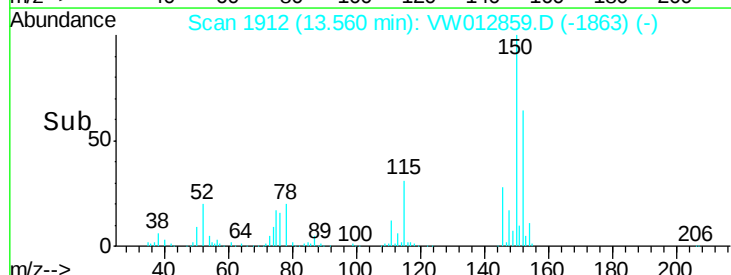
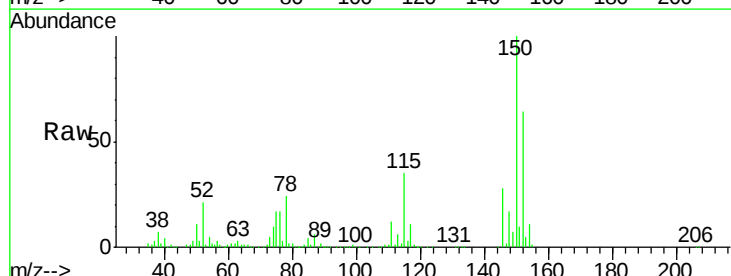
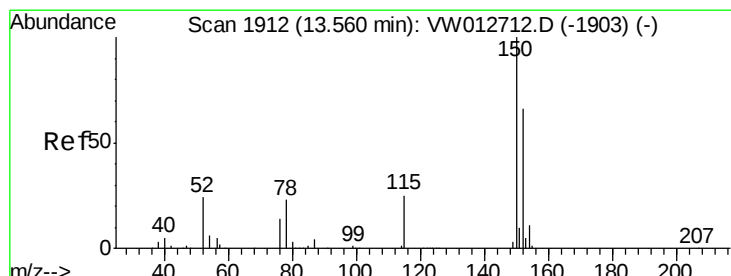
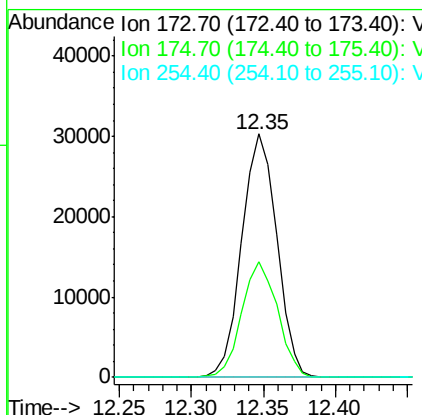
#71
Bromoform
Concen: 49.485 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.8	74.3
254	0.0	0.1	0.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

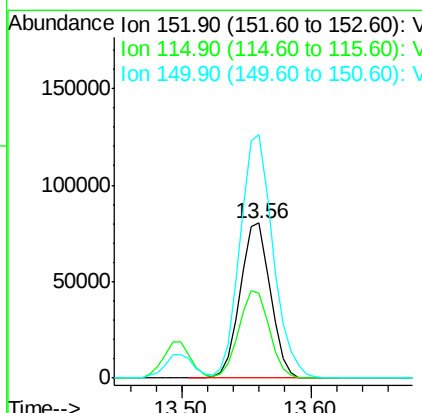
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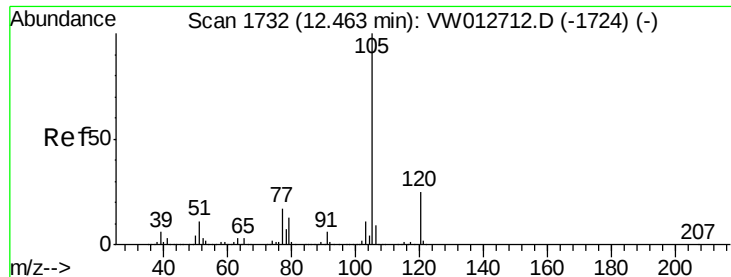
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	30.0	90.1
150	171.4	0.0	349.0





#73

Isopropylbenzene

Concen: 44.986 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 419275

Ion Ratio Lower Upper

105 100

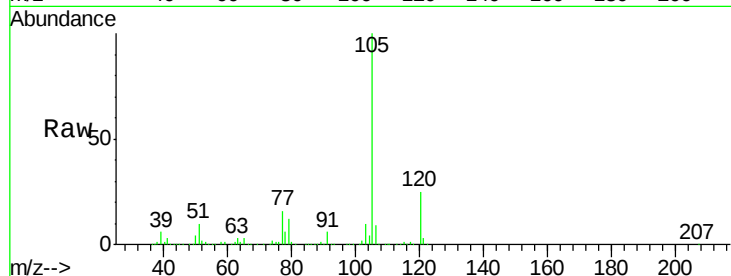
120 25.7 13.0 38.9

Manual Integrations

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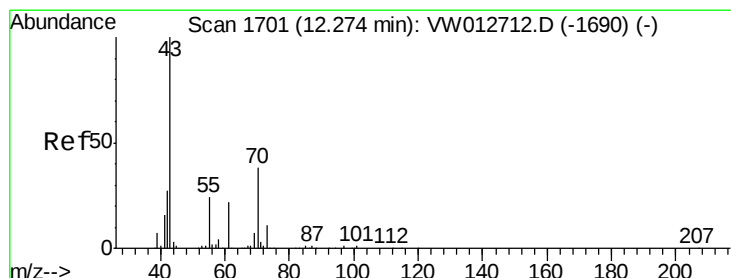
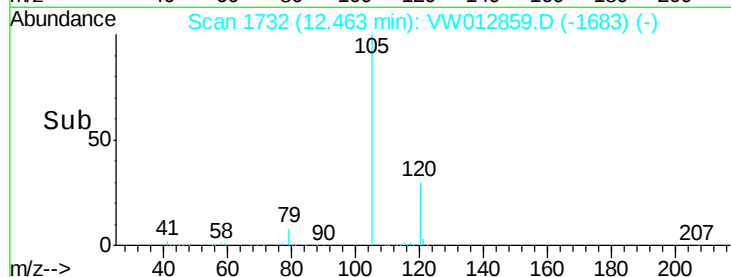
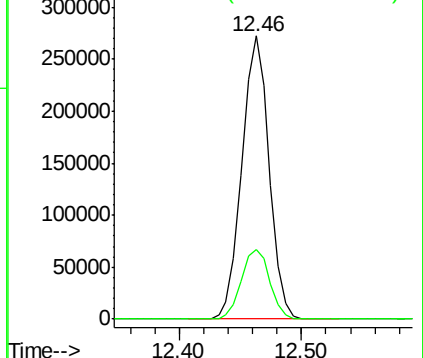
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.687 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion: 43 Resp: 129241

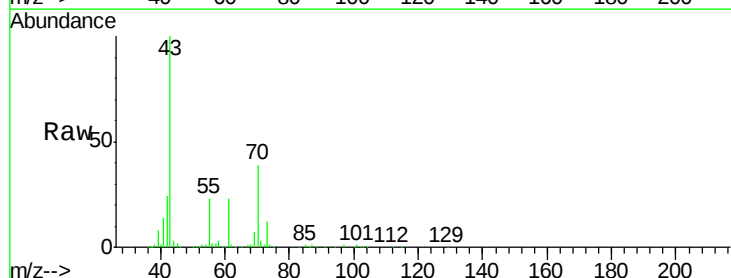
Ion Ratio Lower Upper

43 100

70 39.2 29.4 44.0

55 23.1 18.6 27.8

61 23.0 17.8 26.6

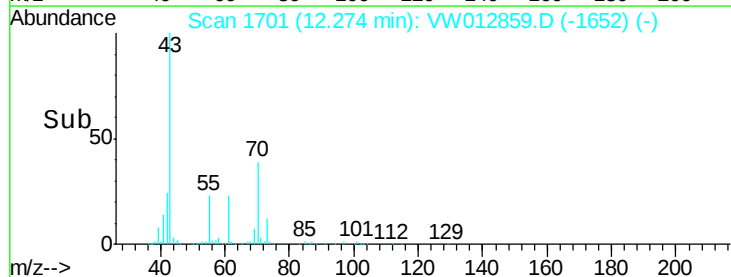
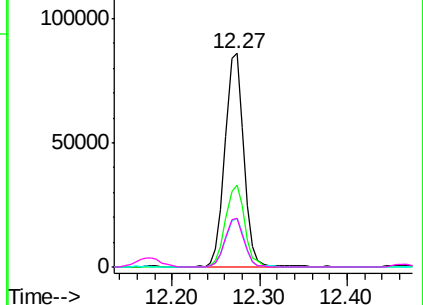


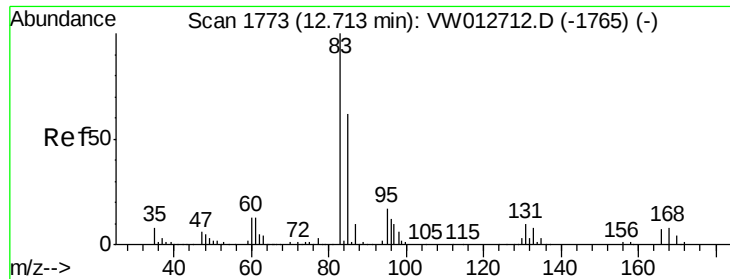
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 47.203 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

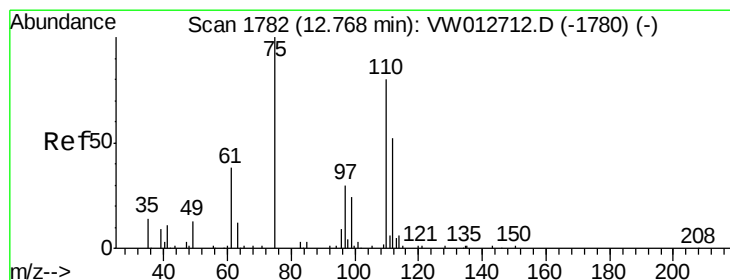
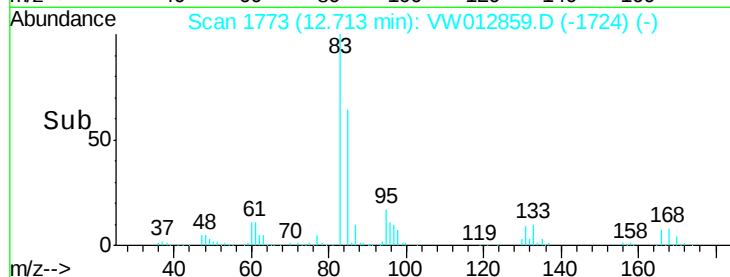
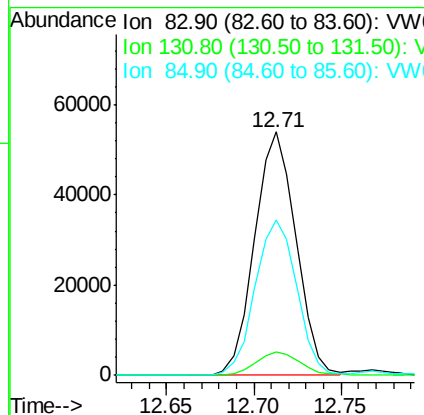
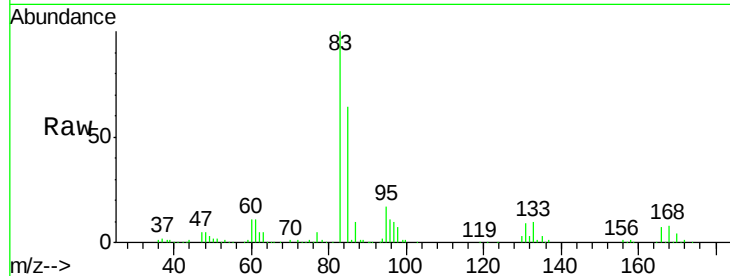
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	88352
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	64.5	31.4	94.2

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#76

1,2,3-Trichloropropane

Concen: 52.477 ug/l m

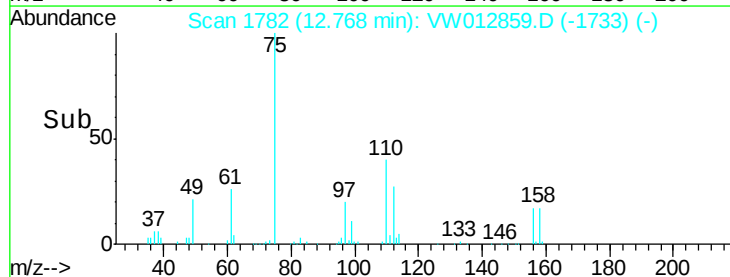
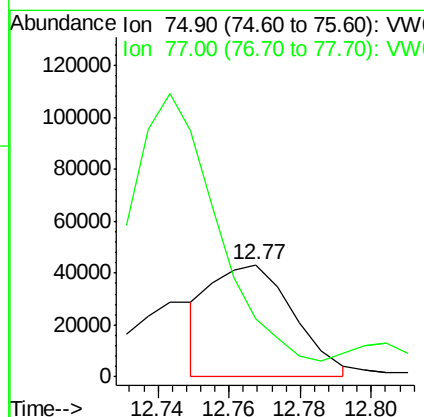
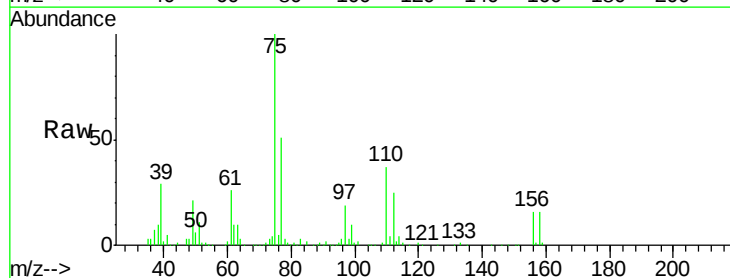
RT: 12.77 min Scan# 1782

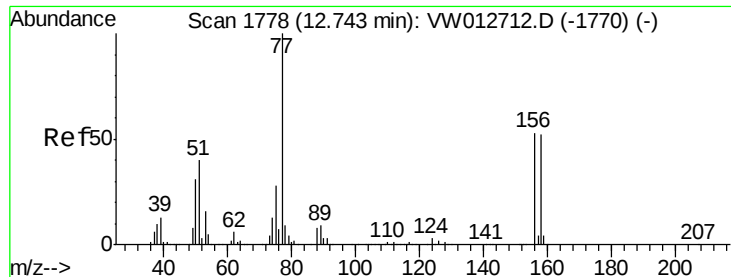
Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion:	75	Resp:	69729
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.331 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

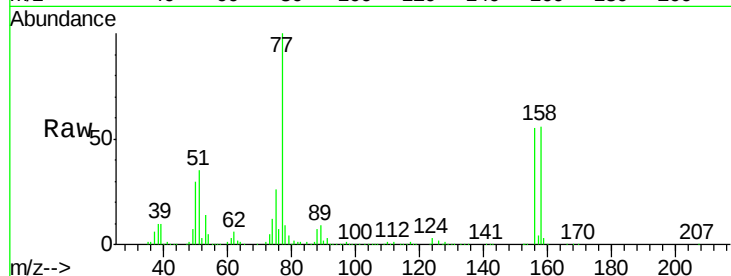
ClientSampleId :

VSTDCCC050EC

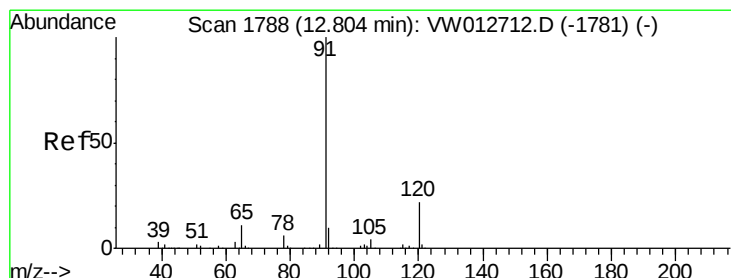
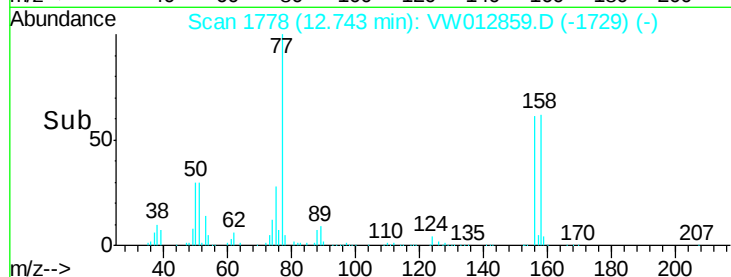
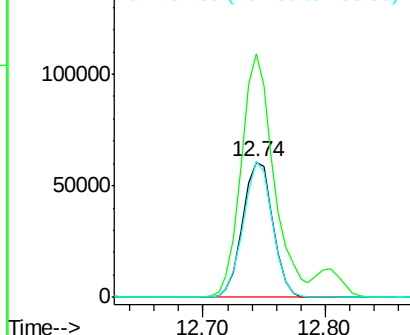
Tot Ion:	156	Resp:	104164
Ion Ratio	Lower	Upper	
156	100		
77	193.8	102.3	306.9
158	97.2	48.9	146.8

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.618 ug/l

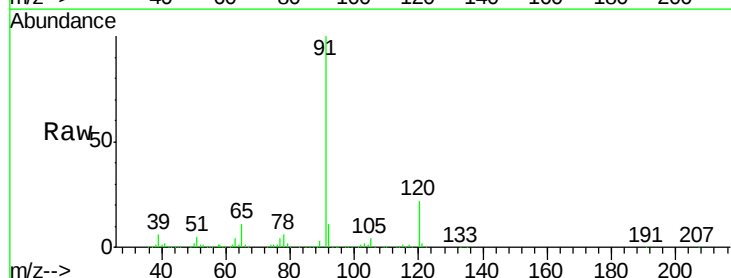
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

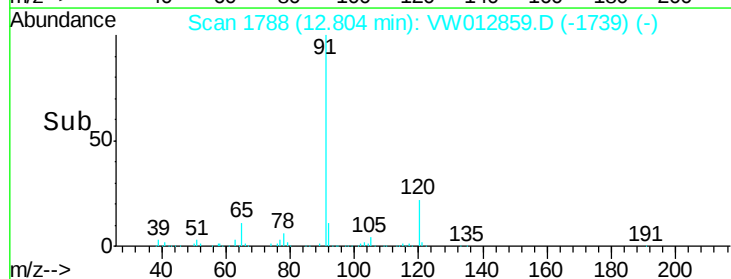
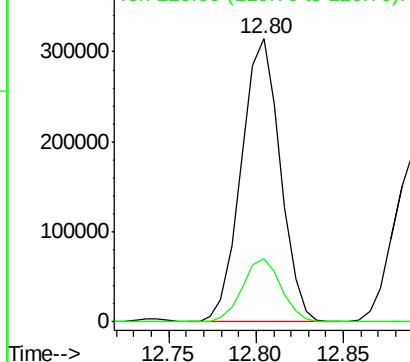
Lab File: VW012859.D

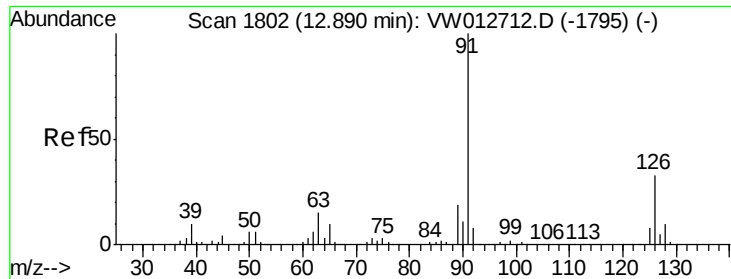
Acq: 10 Sep 2019 08:23

Tgt Ion:	91	Resp:	486204
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.758 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 292812

Ion Ratio Lower Upper

91 100

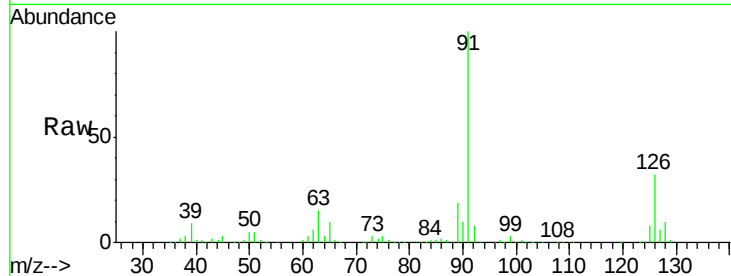
126 32.7 16.1 48.3

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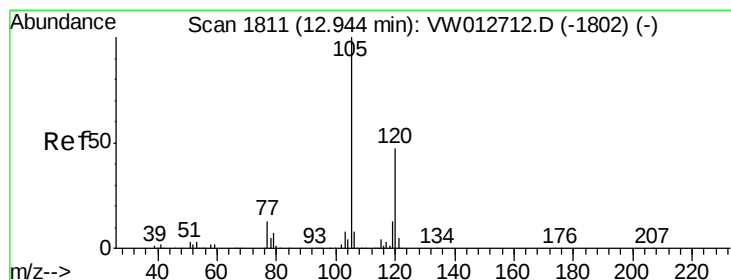
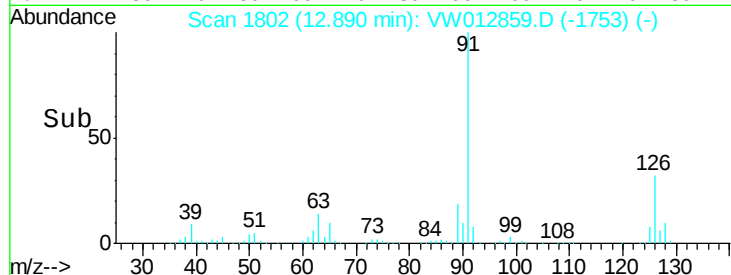
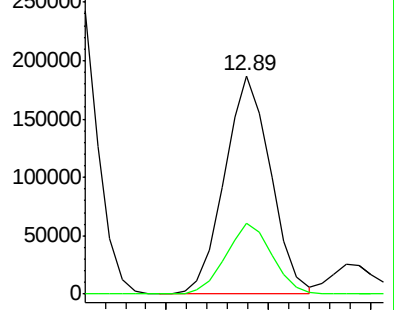
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.049 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW012859.D

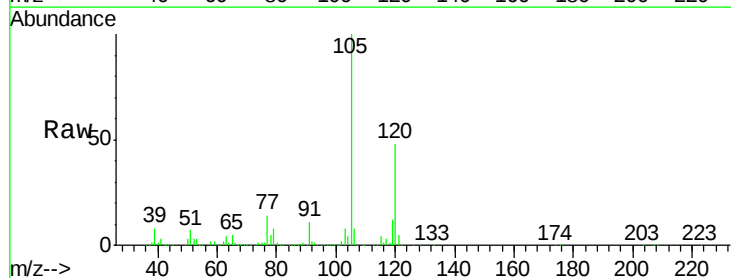
Acq: 10 Sep 2019 08:23

Tgt Ion:105 Resp: 361644

Ion Ratio Lower Upper

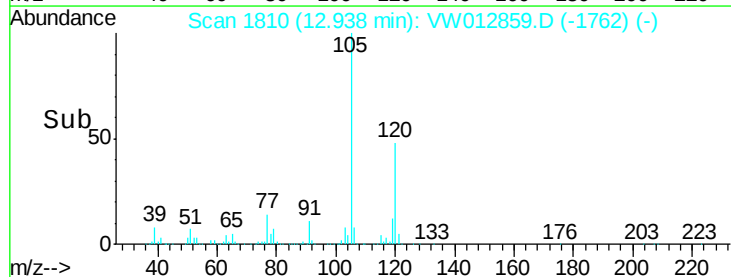
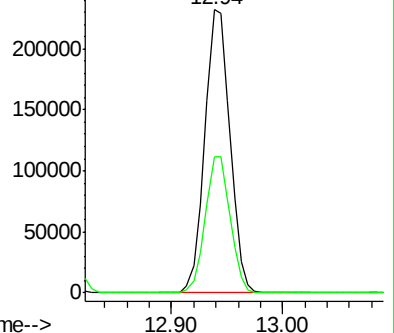
105 100

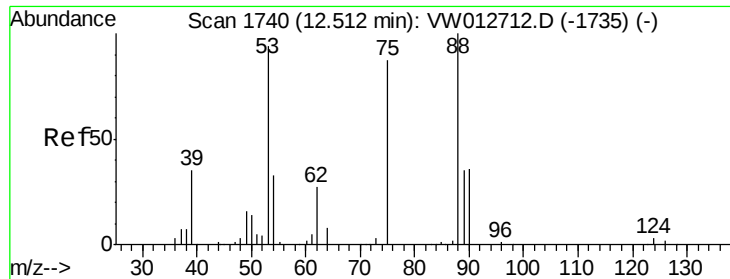
120 47.9 23.9 71.8



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: 41.125 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

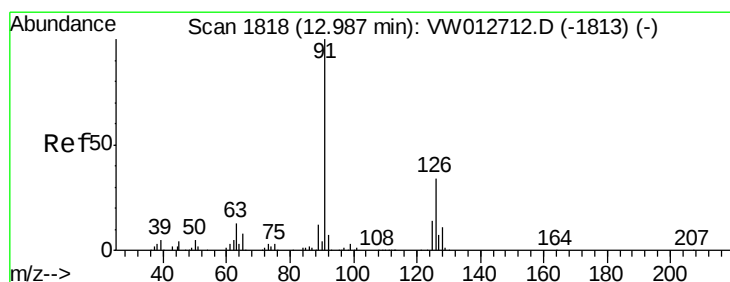
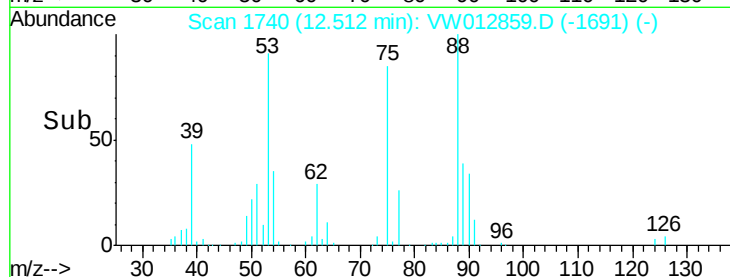
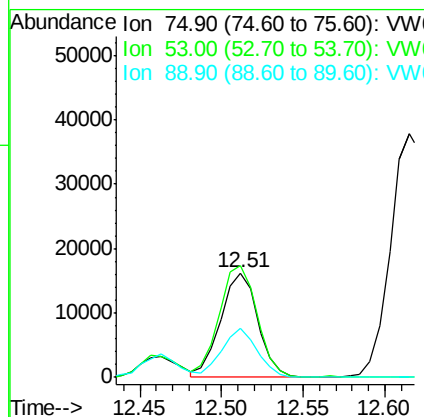
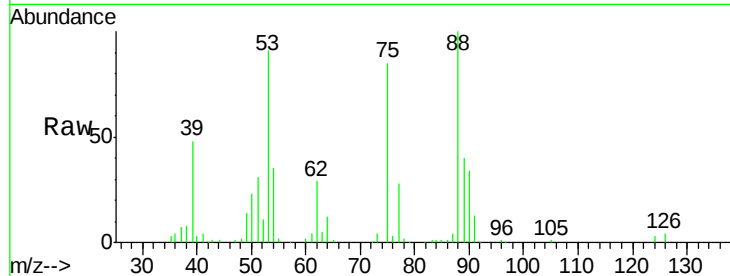
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	25836
Ion Ratio	Lower	Upper	
75	100		
53	108.2	87.6	131.4
89	44.3	35.5	53.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 44.643 ug/l

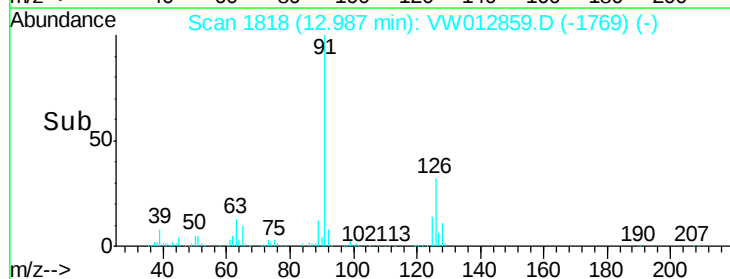
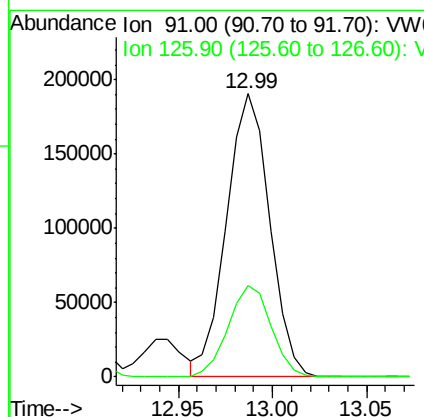
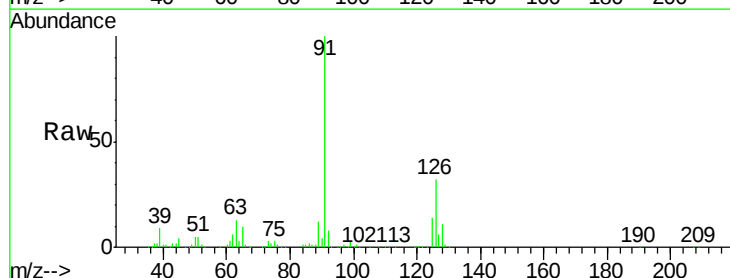
RT: 12.99 min Scan# 1818

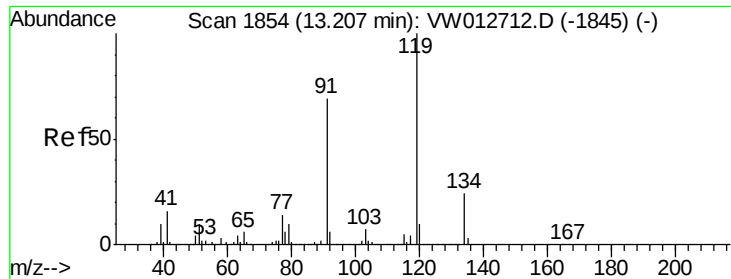
Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion:	91	Resp:	302175
Ion Ratio	Lower	Upper	
91	100		
126	32.3	15.9	47.6





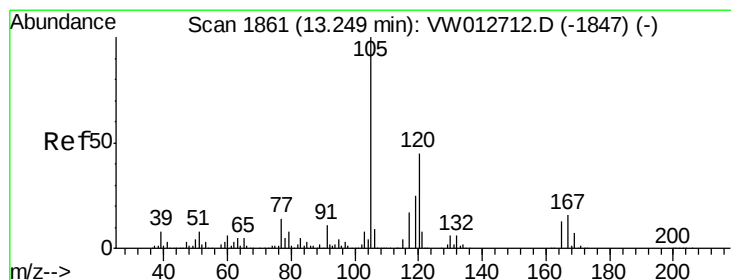
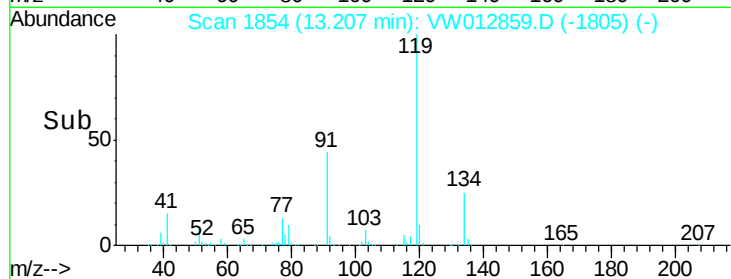
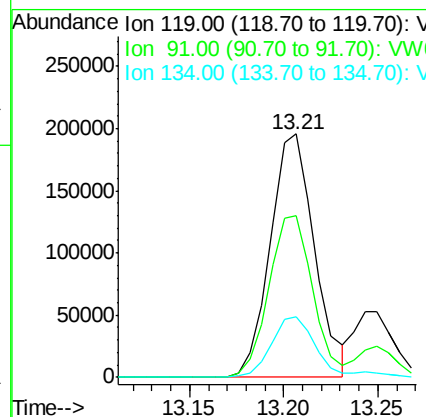
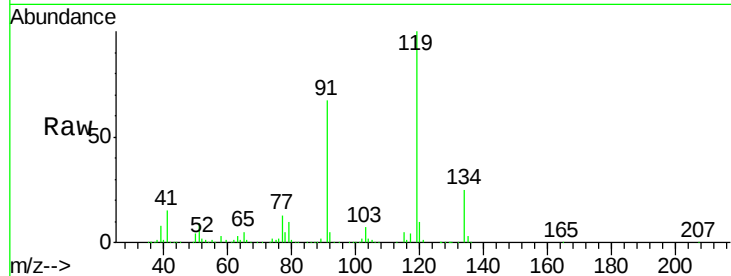
#83
 tert-Butylbenzene
 Concen: 45.961 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	34.2	102.5
134	25.8	12.3	36.9

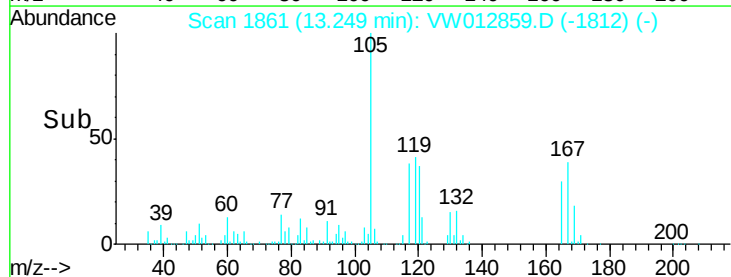
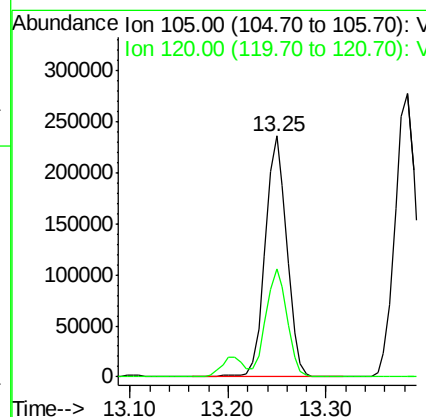
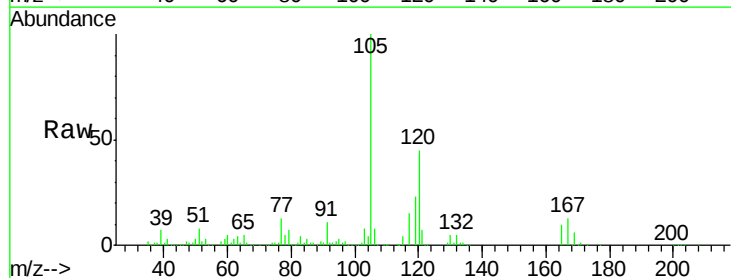
Manual Integrations
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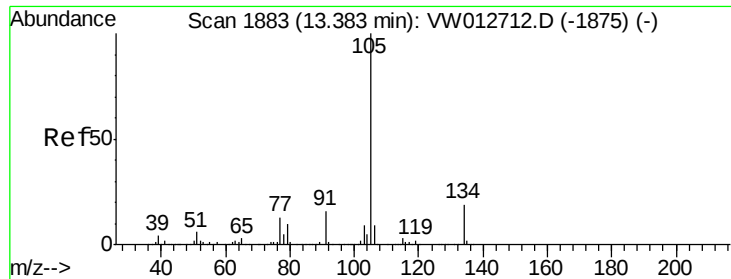
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.573 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.3





#85

sec-Butylbenzene

Concen: 44.005 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 424032

Ion Ratio Lower Upper

105 100

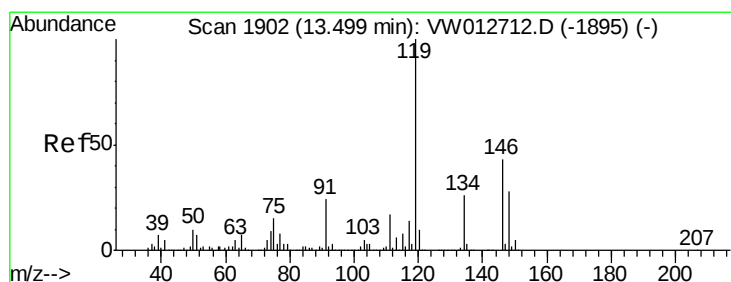
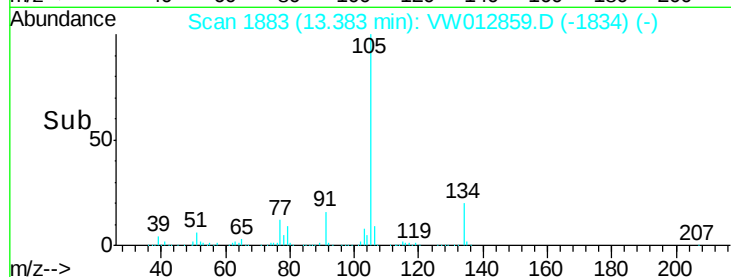
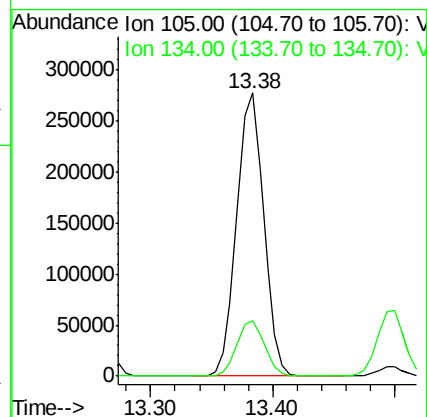
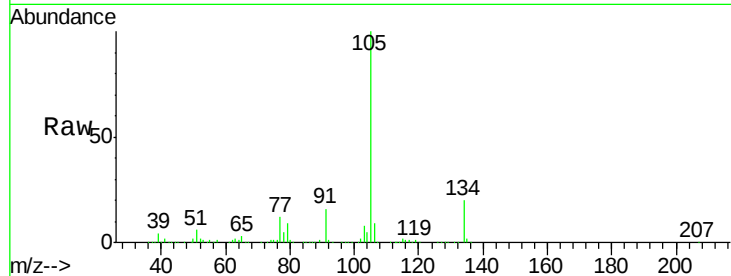
134 19.9 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 44.024 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

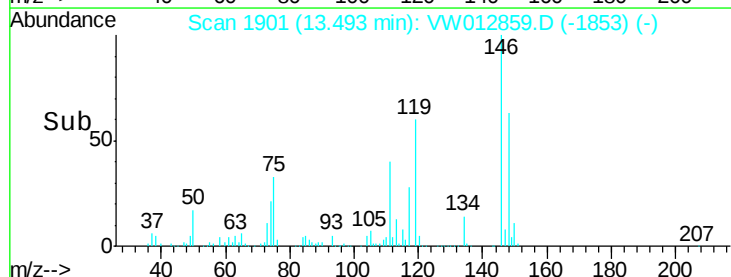
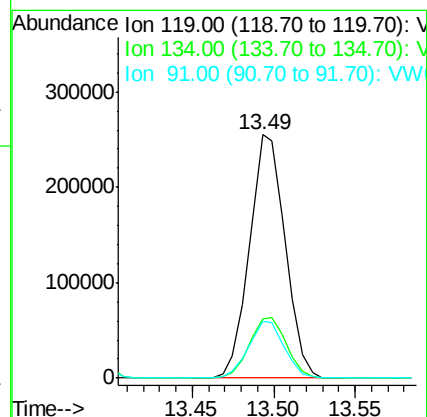
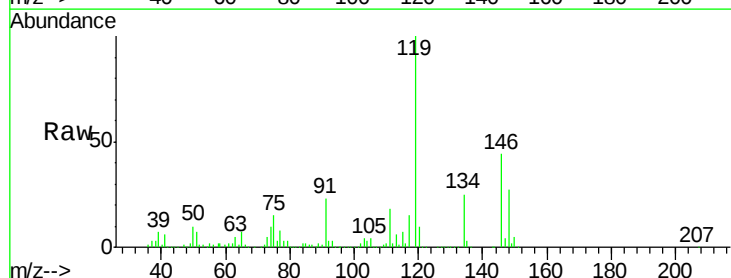
Tgt Ion:119 Resp: 387481

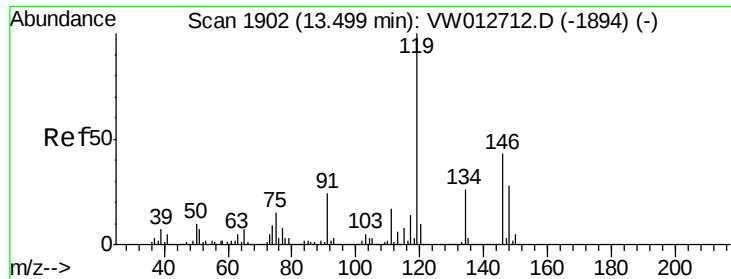
Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 23.5 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 46.345 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

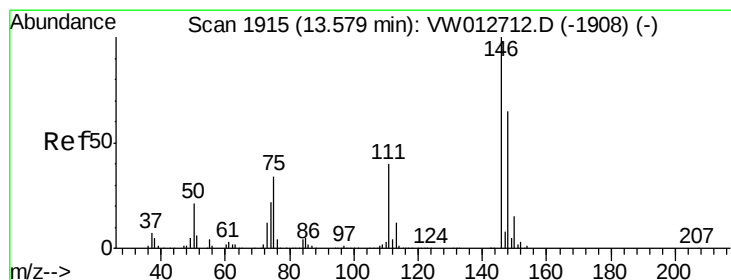
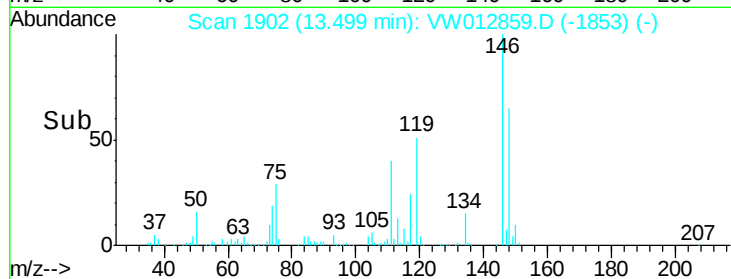
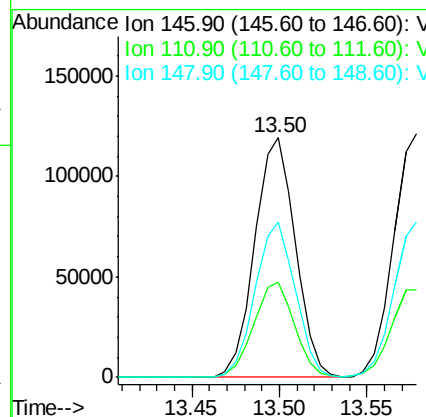
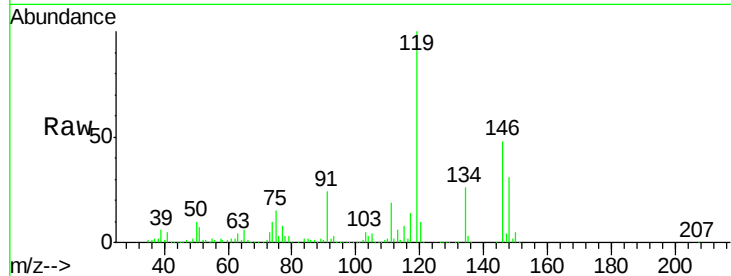
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	192348		
111	40.0	20.4	61.2	
148	63.9	31.8	95.4	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.869 ug/l

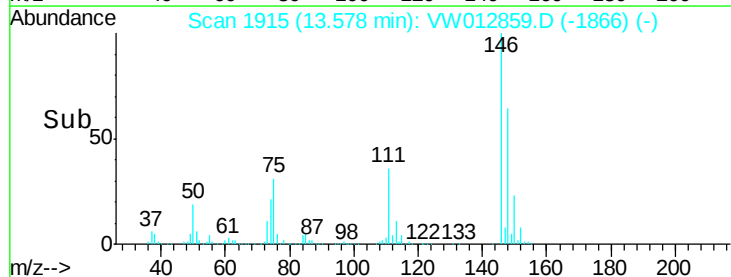
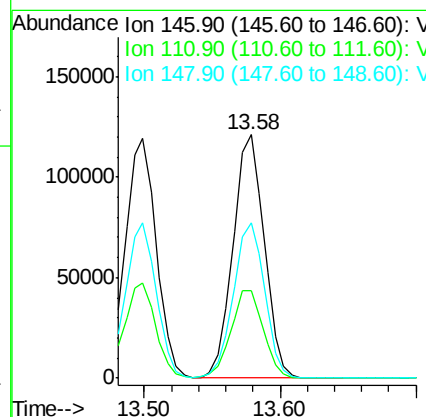
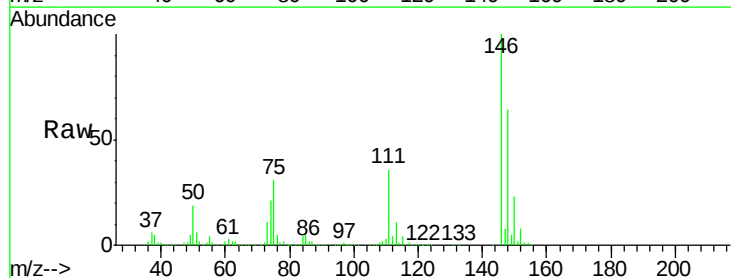
RT: 13.58 min Scan# 1915

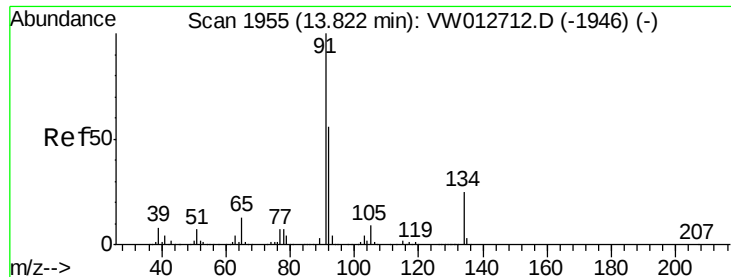
Delta R.T. -0.00 min

Lab File: VW012859.D

Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	193564		
111	37.4	20.0	60.0	
148	64.0	32.2	96.6	





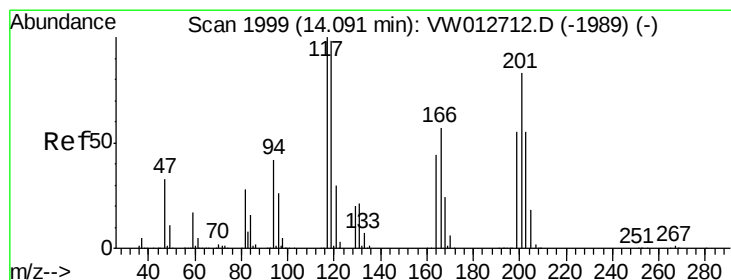
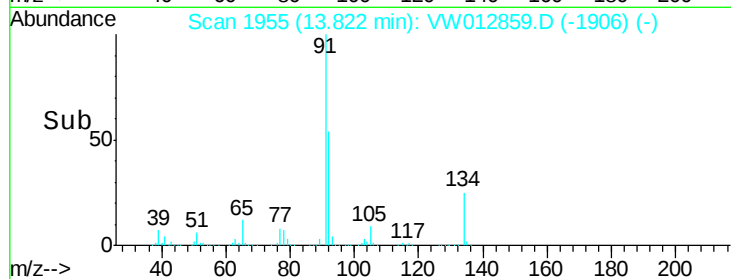
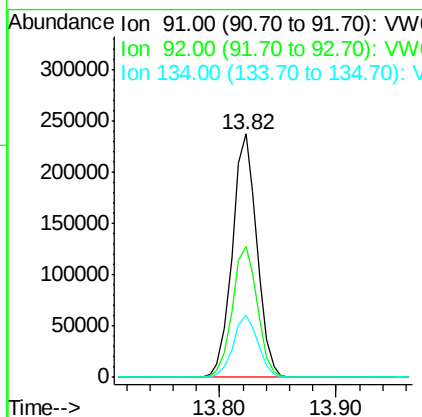
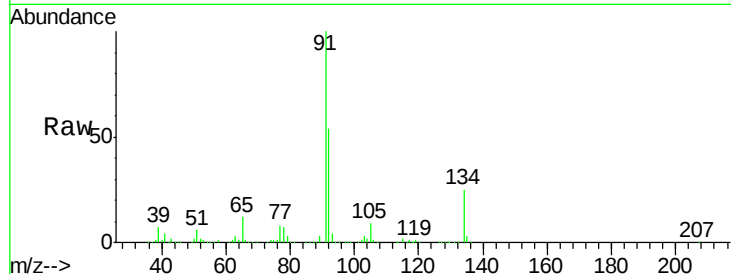
#89
n-Butylbenzene
Concen: 40.675 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.5
134	25.6	12.7	38.1

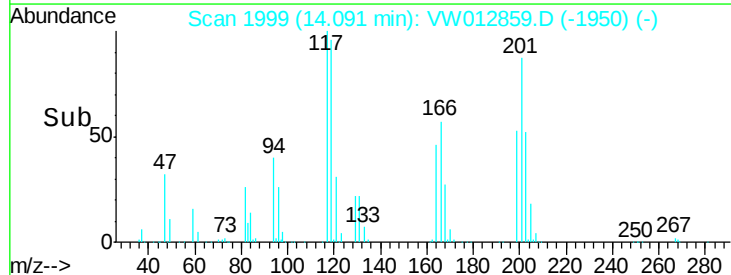
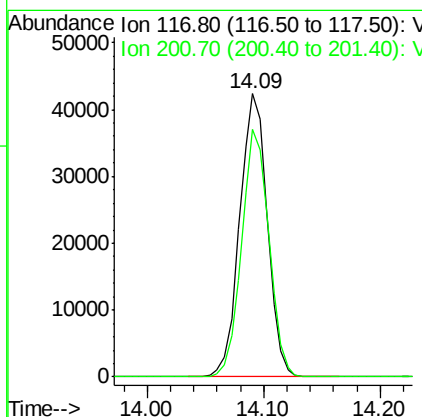
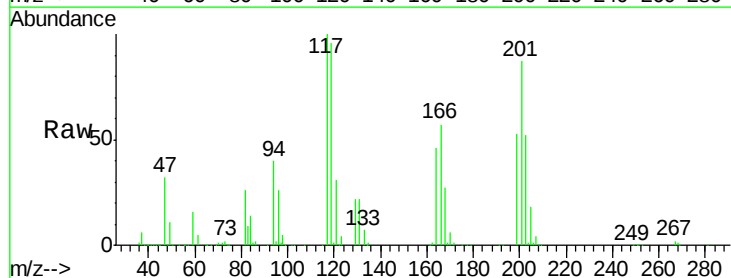
Manual Integrations
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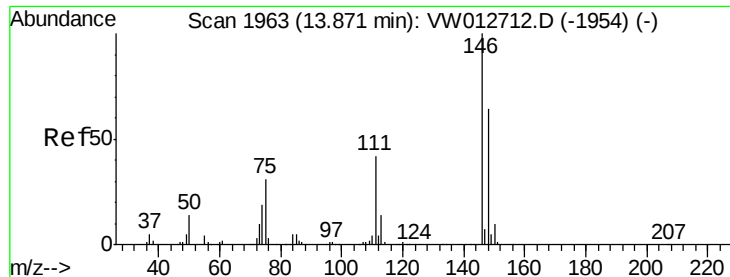
MMDadoda
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#90
Hexachloroethane
Concen: 45.784 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	42.8	128.4





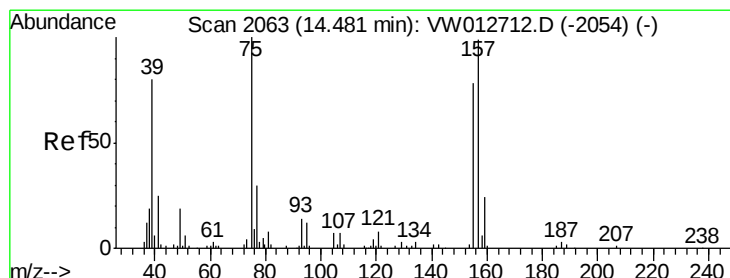
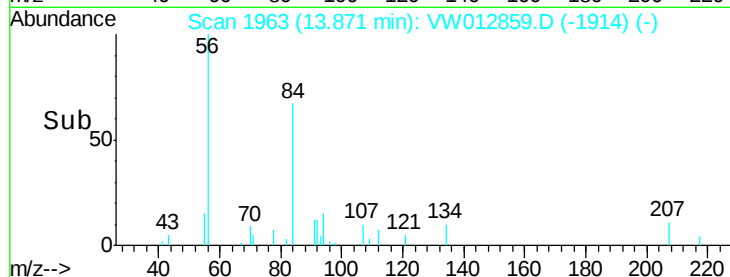
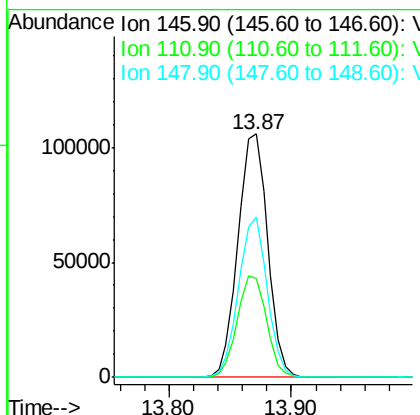
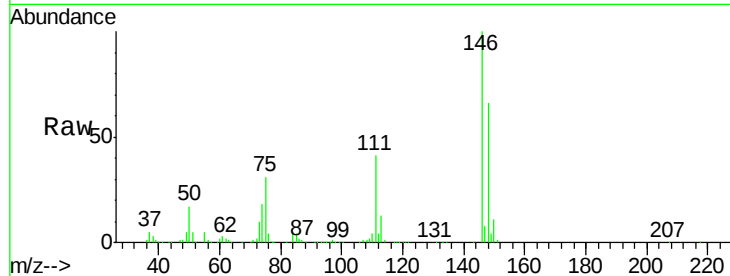
#91
 1,2-Dichlorobenzene
 Concen: 47.833 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	63.9
148	63.3	32.1	96.5

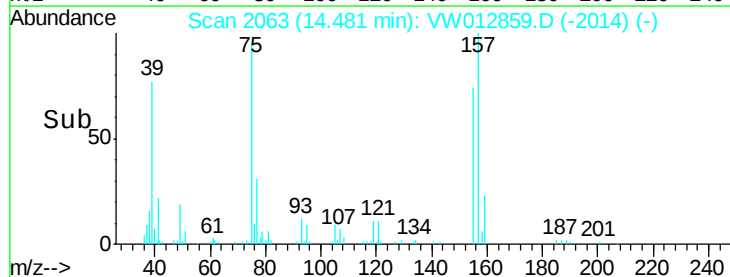
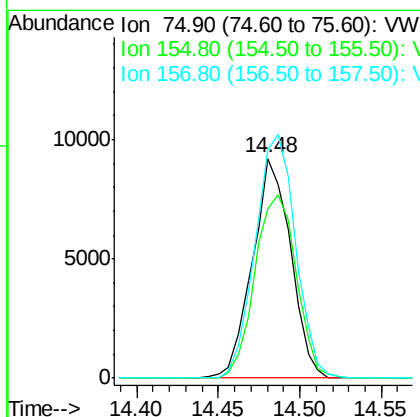
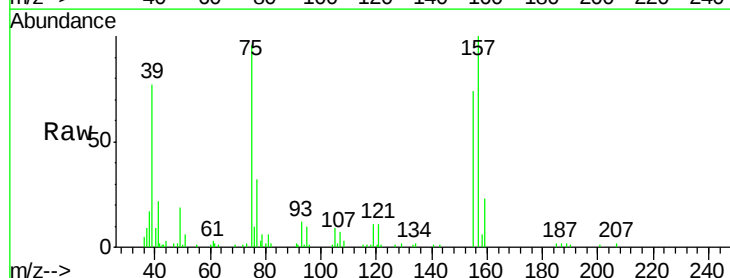
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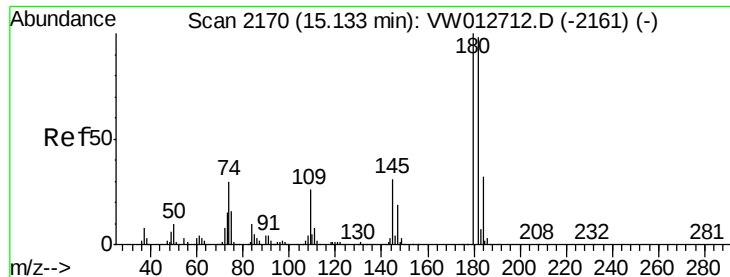
MMDadoda
 9/11/2019 8:15:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.622 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	40.6	122.0
157	116.7	52.5	157.5





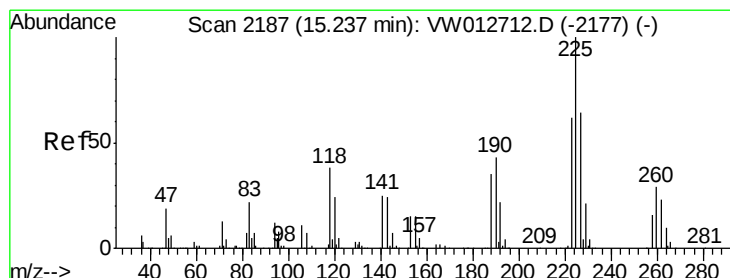
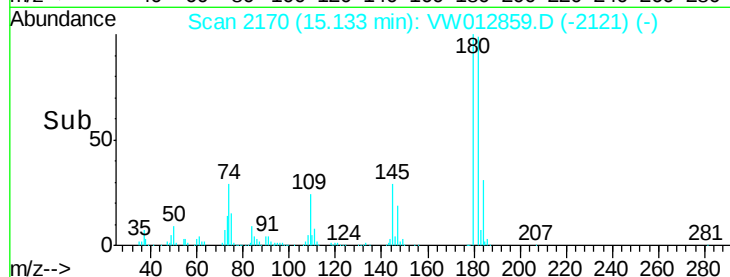
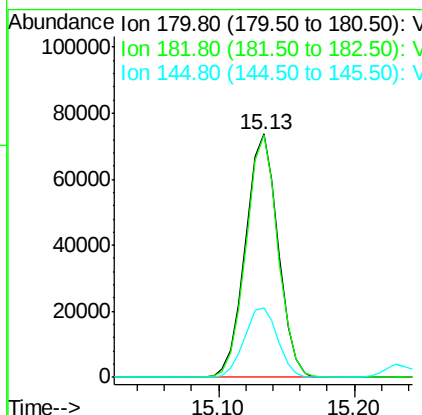
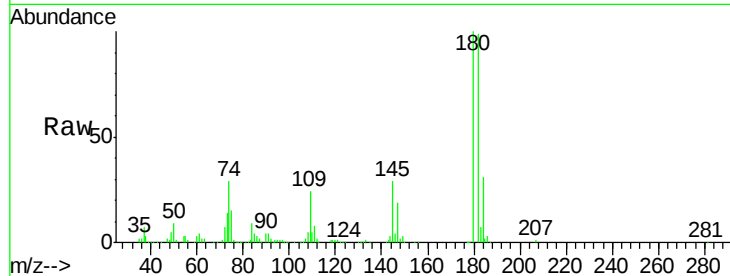
#93
 1,2,4-Trichlorobenzene
 Concen: 47.593 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123780		
182	97.3	48.7	146.1	
145	29.4	15.0	45.1	

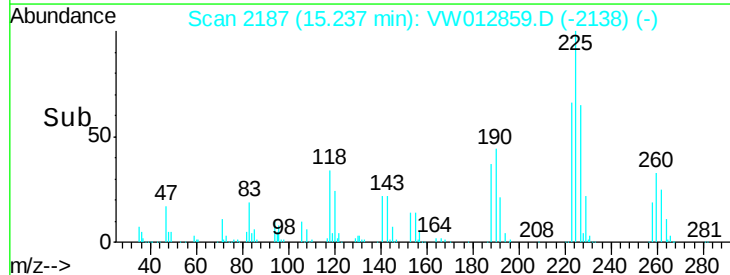
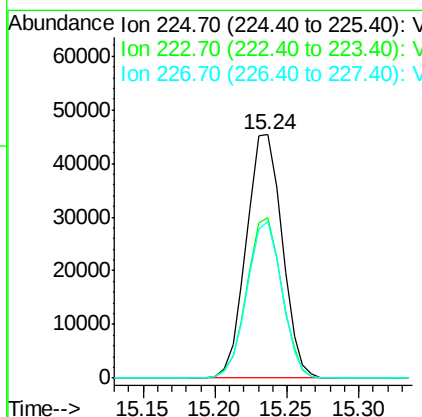
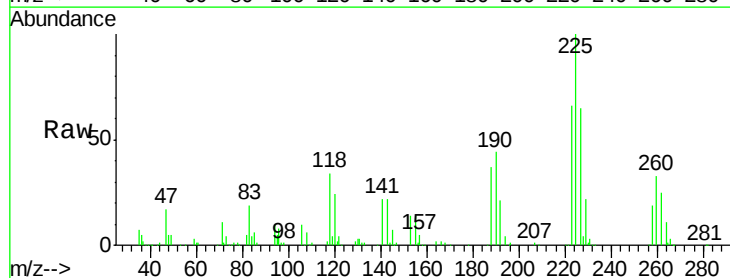
Manual Integrations
 APPROVED

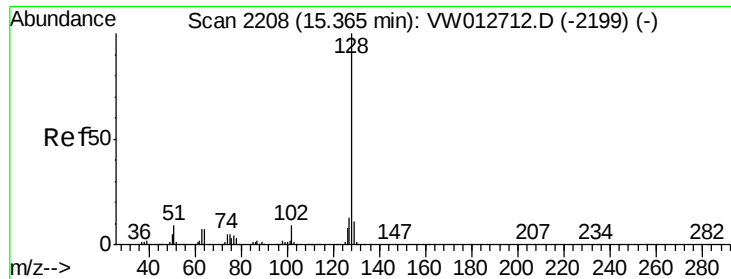
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 9/11/2019 8:15:47 AM



#94
 Hexachlorobutadiene
 Concen: 43.528 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012859.D
 Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78358		
223	64.2	31.1	93.3	
227	62.5	31.4	94.2	





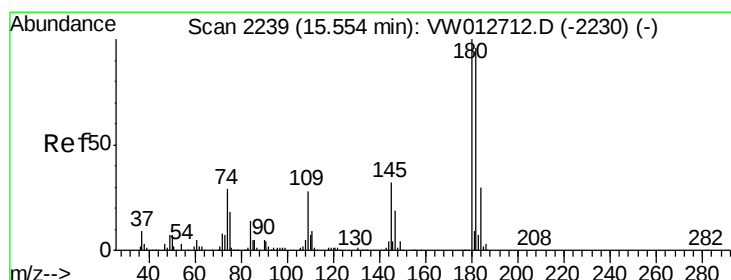
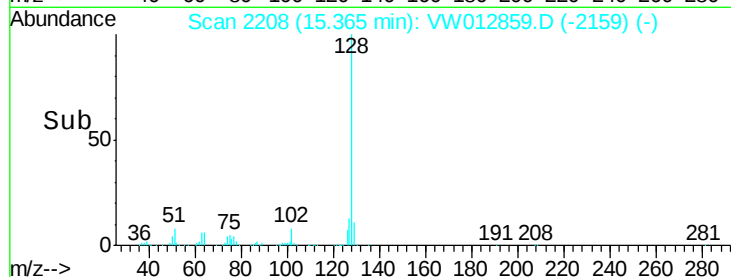
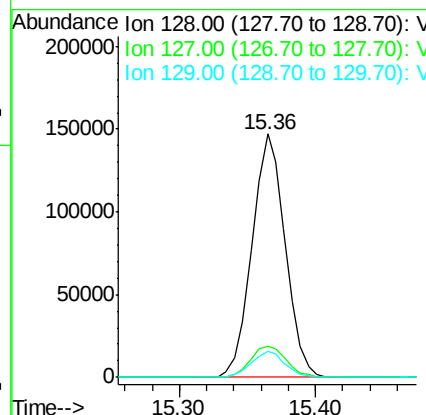
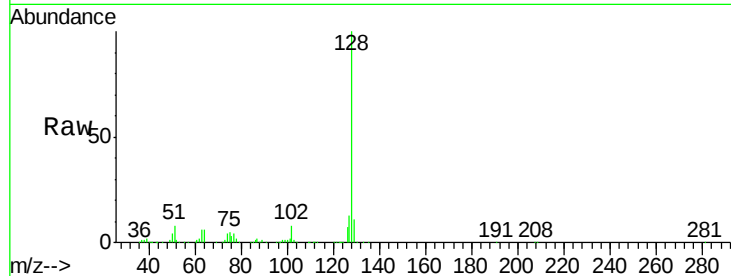
#95
Naphthalene
Concen: 46.385 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	250966		
127	13.9		10.7	16.1
129	10.8		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.043 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012859.D
Acq: 10 Sep 2019 08:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114886		
182	94.4		47.8	143.3
145	30.9		15.4	46.2

