

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012838.D
 Acq On : 09 Sep 2019 22:53
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 8:15:44 AM

Quant Time: Sep 10 07:39:53 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	183575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	274605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	240011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	119186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	99754	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.88	113	80089	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.32	98	322666	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.62	95	114322	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	42620	42.826	ug/l	93
3) Chloromethane	2.21	50	53508	44.241	ug/l	99
4) Vinyl Chloride	2.36	62	69933	47.158	ug/l	97
5) Bromomethane	2.77	94	42017	52.177	ug/l	97
6) Chloroethane	2.92	64	43802	49.497	ug/l #	85
7) Trichlorofluoromethane	3.25	101	44908	43.883	ug/l	99
8) Diethyl Ether	3.68	74	48403	56.276	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	79657	49.601	ug/l	96
10) Methyl Iodide	4.27	142	100106	49.516	ug/l	97
11) Tert butyl alcohol	5.19	59	47960	305.606	ug/l	99
12) 1,1-Dichloroethene	4.04	96	72224	47.641	ug/l	95
13) Acrolein	3.89	56	43085	258.713	ug/l	99
14) Allyl chloride	4.67	41	143736	45.833	ug/l	99
15) Acrylonitrile	5.37	53	145386	289.403	ug/l	100
16) Acetone	4.13	43	130989	234.251	ug/l	97
17) Carbon Disulfide	4.39	76	140923	43.793	ug/l	99
18) Methyl Acetate	4.67	43	77021	58.708	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	167837	55.824	ug/l	98
20) Methylene Chloride	4.91	84	87456	49.992	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	75538	48.833	ug/l	89
22) Diisopropyl ether	6.31	45	313372	50.382	ug/l	97
23) Vinyl Acetate	6.25	43	1057548	268.285	ug/l	99
24) 1,1-Dichloroethane	6.21	63	164070	48.989	ug/l	99
25) 2-Butanone	7.17	43	201553	245.207	ug/l	100
26) 2,2-Dichloropropane	7.17	77	99599	47.086	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	91730	51.143	ug/l	96
28) Bromochloromethane	7.51	49	75185	48.891	ug/l #	92
29) Tetrahydrofuran	7.53	42	130604	289.228	ug/l	97
30) Chloroform	7.67	83	163880	49.374	ug/l	97
31) Cyclohexane	7.95	56	135646	44.989	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	133562	49.643	ug/l	98
36) 1,1-Dichloropropene	8.08	75	120648	49.447	ug/l	99
37) Ethyl Acetate	7.25	43	89569	57.586	ug/l	99
38) Carbon Tetrachloride	8.07	117	121352	50.455	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	135988	49.624	ug/l	98
40) Benzene	8.32	78	336721	49.740	ug/l	99
41) Methacrylonitrile	7.48	41	54702	51.603	ug/l	97
42) 1,2-Dichloroethane	8.40	62	121739	51.097	ug/l	100
43) Isopropyl Acetate	8.42	43	166234	56.412	ug/l	99
44) Trichloroethene	9.09	130	89283	51.165	ug/l	94
45) 1,2-Dichloropropane	9.37	63	94520	50.341	ug/l	98
46) Dibromomethane	9.46	93	49245	55.387	ug/l	98
47) Bromodichloromethane	9.64	83	126412	51.678	ug/l	100
48) Methyl methacrylate	9.43	41	78184	55.519	ug/l	99
49) 1,4-Dioxane	9.46	88	21117	1202.397	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	453886	293.537	ug/l	98
52) Toluene	10.38	92	218537	51.722	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	133921	53.243	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	147590	51.724	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	75691	56.864	ug/l	95
56) Ethyl methacrylate	10.64	69	113473	58.237	ug/l	98
57) 1,3-Dichloropropane	10.93	76	132100	53.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	301889	291.849	ug/l	97
59) 2-Hexanone	10.96	43	315141	278.966	ug/l	98
60) Dibromochloromethane	11.13	129	87720	56.034	ug/l	99
61) 1,2-Dibromoethane	11.23	107	69867	57.252	ug/l	99
64) Tetrachloroethene	10.86	164	78625	53.988	ug/l	98
65) Chlorobenzene	11.66	112	234622	51.721	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	90799	53.749	ug/l	98
67) Ethyl Benzene	11.73	91	439501	51.638	ug/l	98
68) m/p-Xylenes	11.83	106	321768	104.737	ug/l	98
69) o-Xylene	12.16	106	152127	52.488	ug/l	99
70) Styrene	12.18	104	272771	53.259	ug/l	99
71) Bromoform	12.35	173	55773	59.423	ug/l #	99
73) Isopropylbenzene	12.46	105	445391	52.103	ug/l	100
74) N-amyl acetate	12.27	43	151242	55.739	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	95747	55.772	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61566m	50.517	ug/l	
77) Bromobenzene	12.74	156	103723	53.556	ug/l	96
78) n-propylbenzene	12.80	91	520919	50.952	ug/l	99
79) 2-Chlorotoluene	12.89	91	295789	50.397	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	374516	51.993	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	32117	55.738	ug/l	98
82) 4-Chlorotoluene	12.99	91	314550	50.666	ug/l	99
83) tert-Butylbenzene	13.21	119	341358	53.596	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	374095	51.541	ug/l	98
85) sec-Butylbenzene	13.38	105	464018	52.502	ug/l	98
86) p-Isopropyltoluene	13.50	119	425827	52.748	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	197043	51.762	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	195839	51.701	ug/l	99
89) n-Butylbenzene	13.82	91	392847	50.125	ug/l	99
90) Hexachloroethane	14.09	117	73878	52.422	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	179390	52.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18142	57.745	ug/l	96

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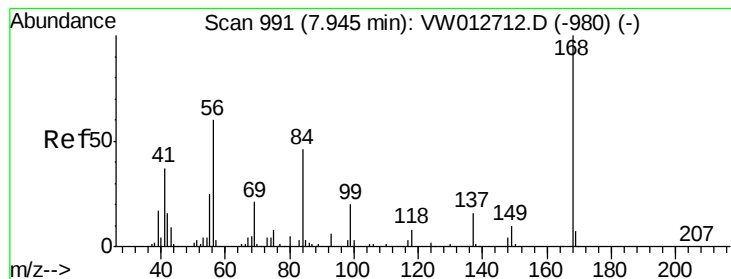
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	134077	56.206	ug/l	97
94) Hexachlorobutadiene	15.23	225	88479	53.587	ug/l	99
95) Naphthalene	15.36	128	283912	56.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	120736	57.340	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

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MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 183575

Ion Ratio Lower Upper

168 100

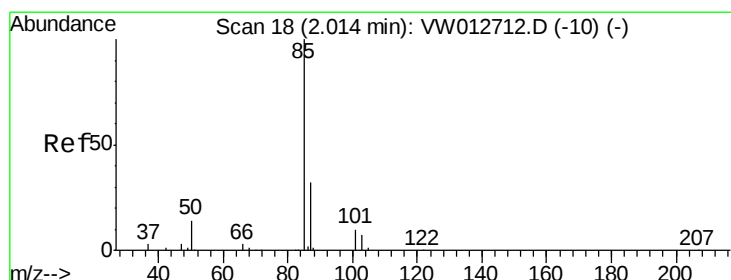
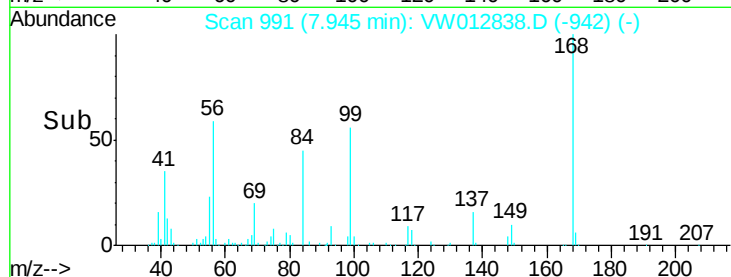
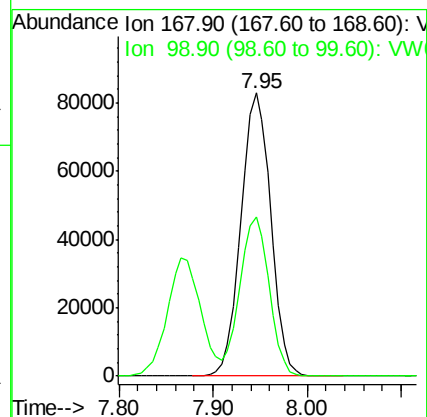
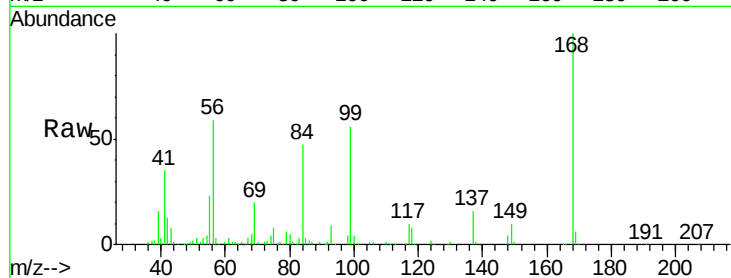
99 56.1 47.8 71.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 42.826 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012838.D

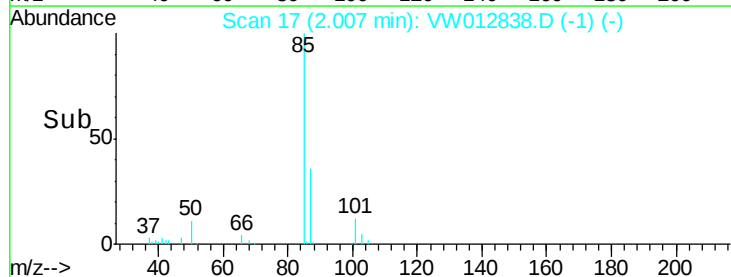
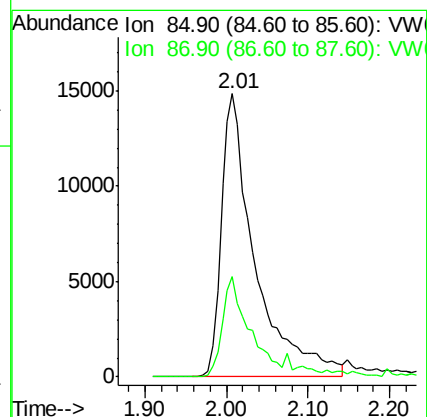
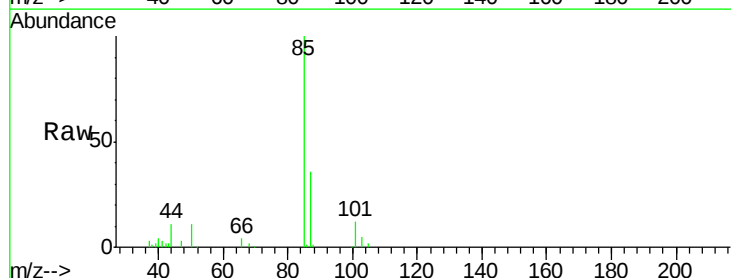
Acq: 09 Sep 2019 22:53

Tgt Ion: 85 Resp: 42620

Ion Ratio Lower Upper

85 100

87 35.7 15.8 47.4





#3

Chloromethane

Concen: 44.241 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 53508

Ion Ratio Lower Upper

50 100

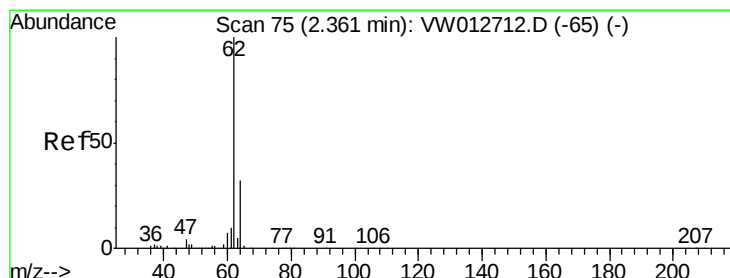
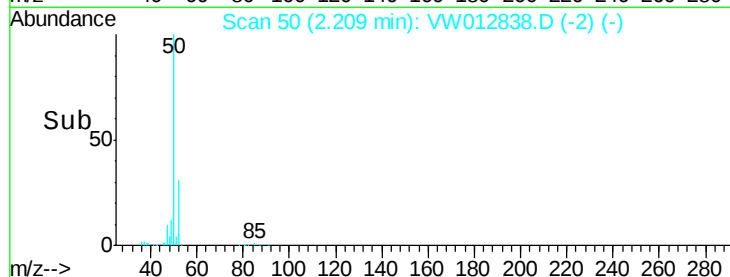
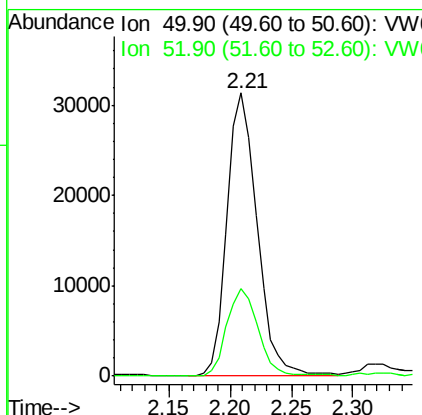
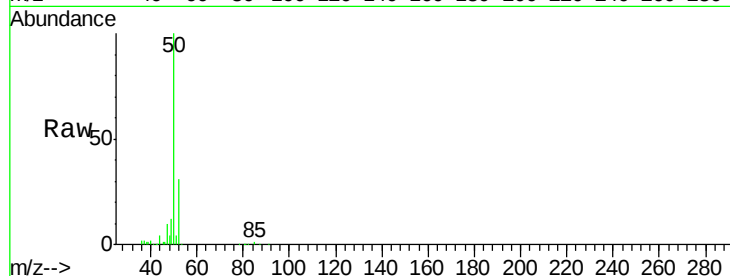
52 30.9 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.158 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012838.D

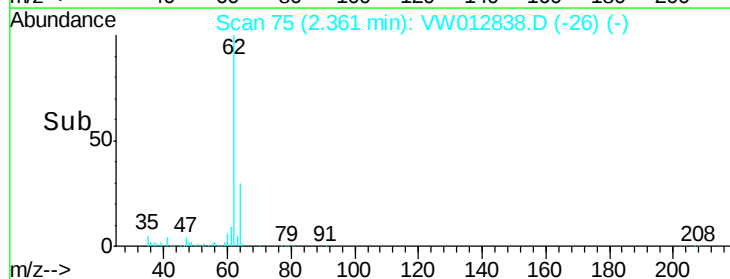
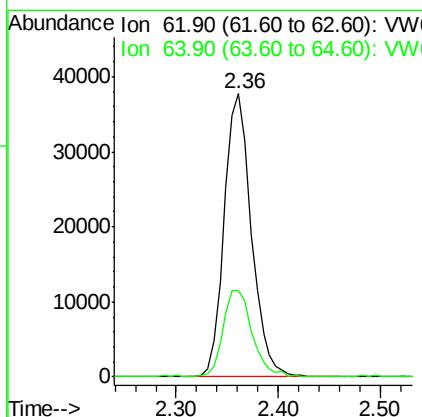
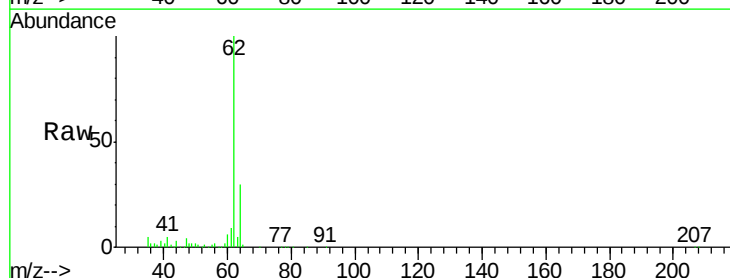
Acq: 09 Sep 2019 22:53

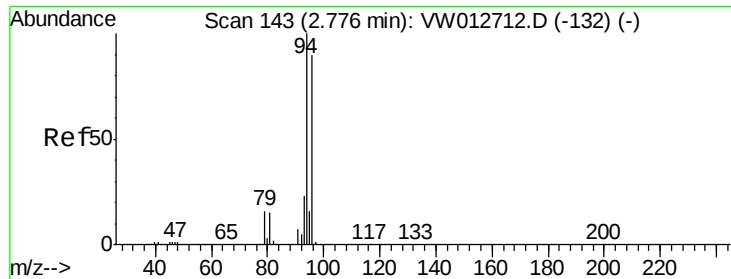
Tgt Ion: 62 Resp: 69933

Ion Ratio Lower Upper

62 100

64 30.1 25.3 37.9





#5

Bromomethane

Concen: 52.177 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 42017

Ion Ratio Lower Upper

94 100

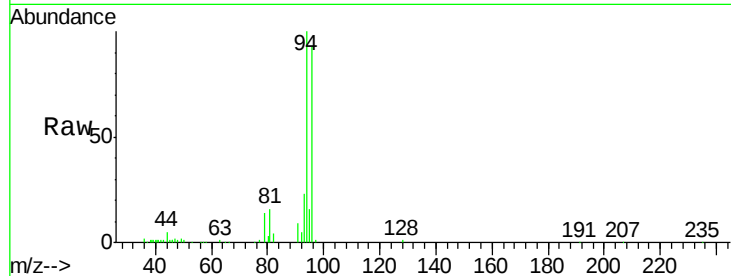
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Manual Integrations

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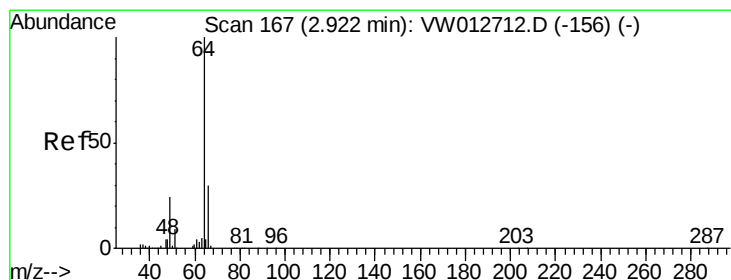
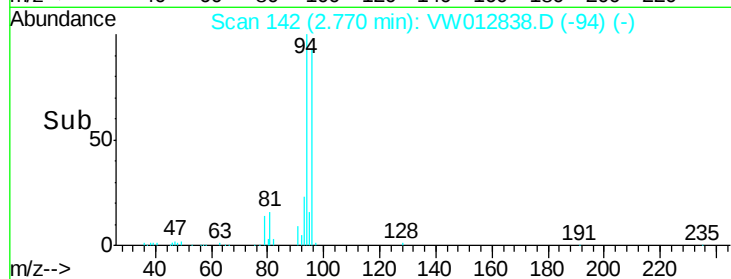
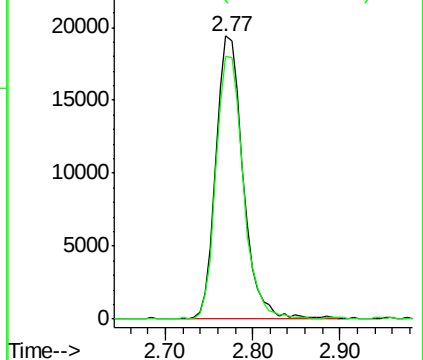
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 49.497 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012838.D

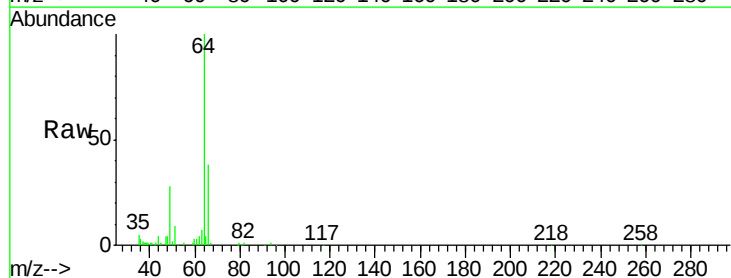
Acq: 09 Sep 2019 22:53

Tgt Ion: 64 Resp: 43802

Ion Ratio Lower Upper

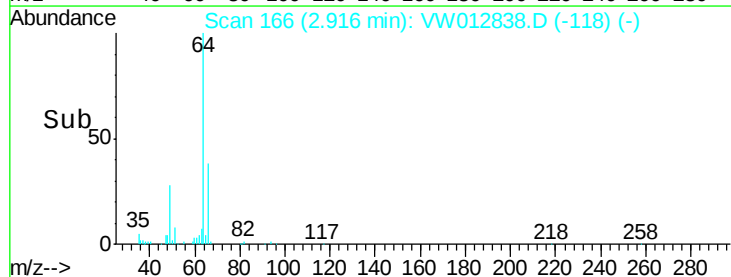
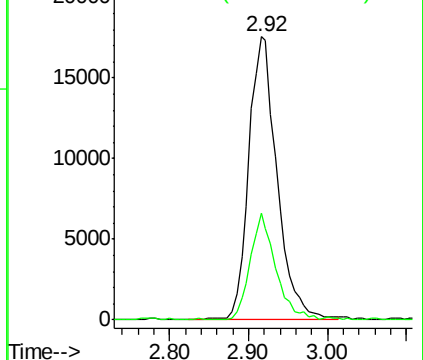
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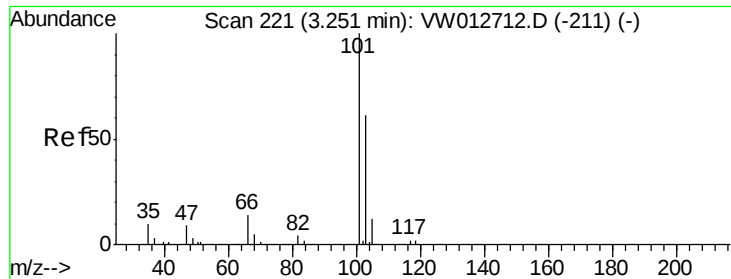
66 37.9 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

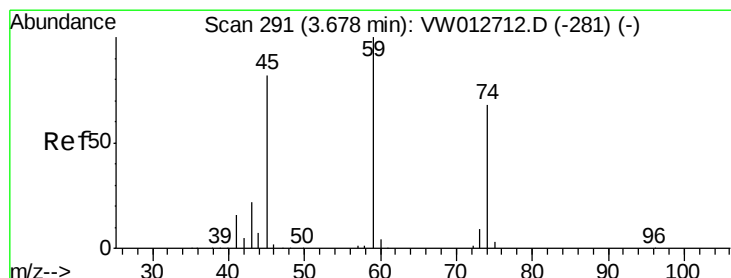
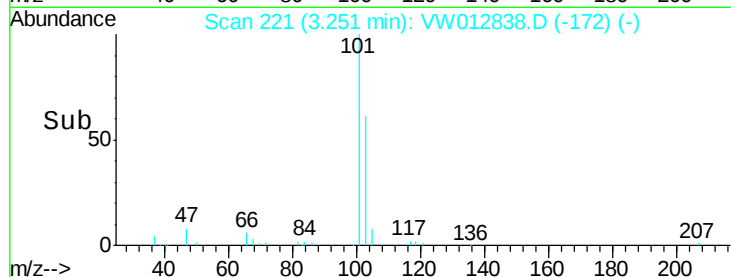
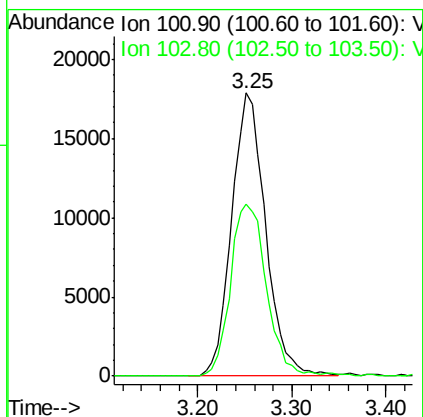
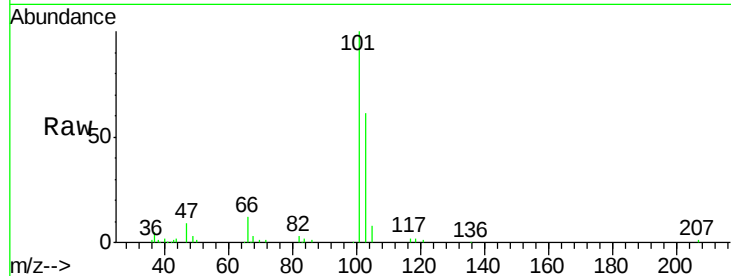
Trichlorofluoromethane
Concen: 43.883 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	49.0	73.4

Manual Integrations
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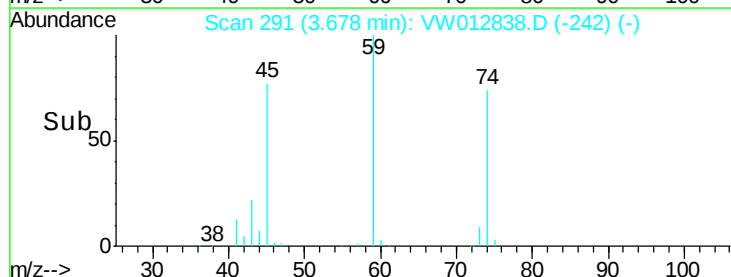
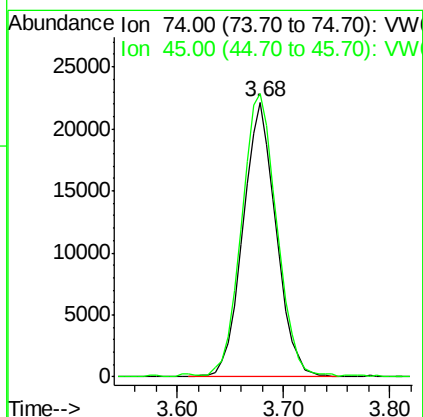
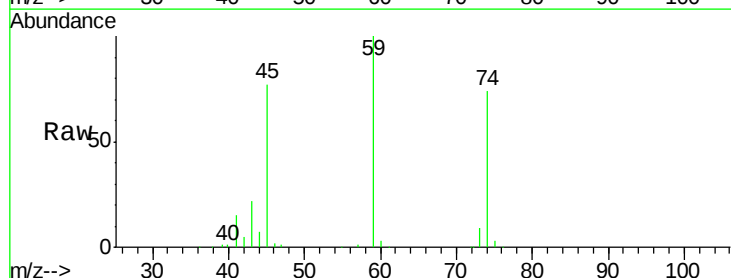
MMDadoda
9/11/2019 8:15:44 AM

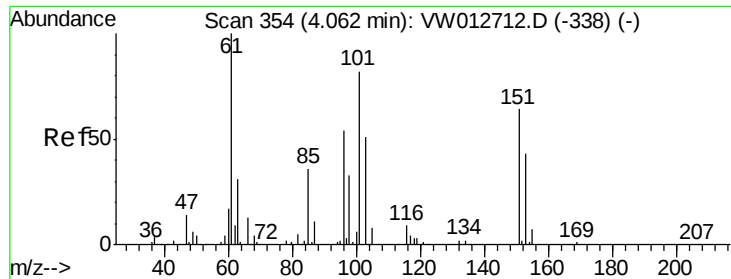


#8

Diethyl Ether
Concen: 56.276 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.2	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.601 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

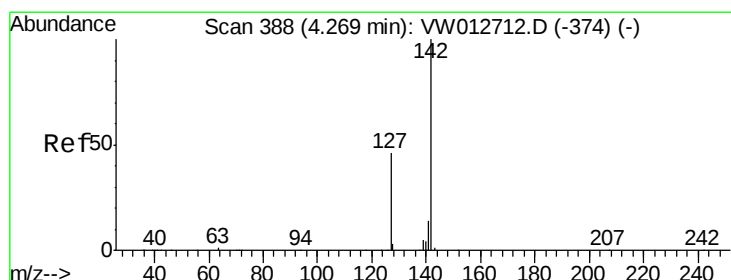
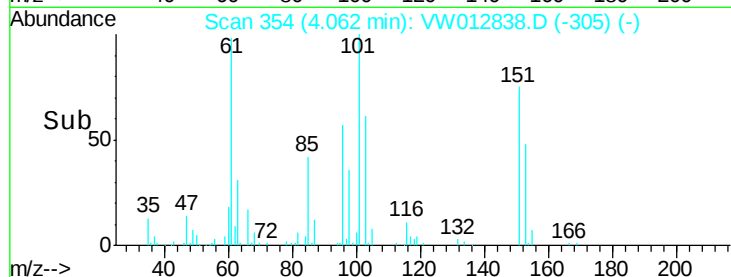
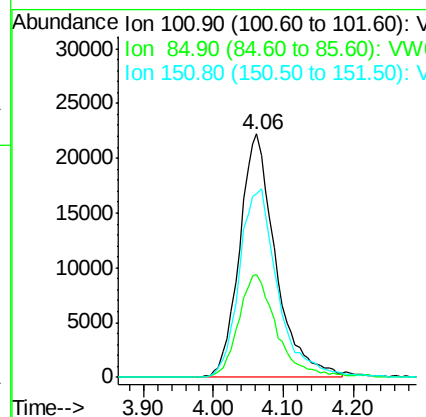
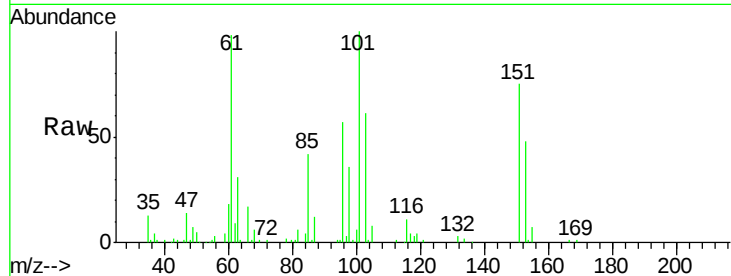
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	79657
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.2	54.2
151	82.9	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 49.516 ug/l

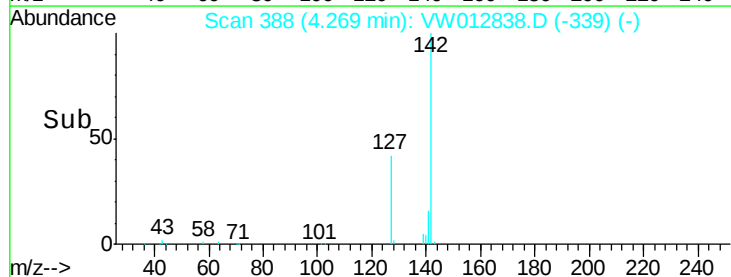
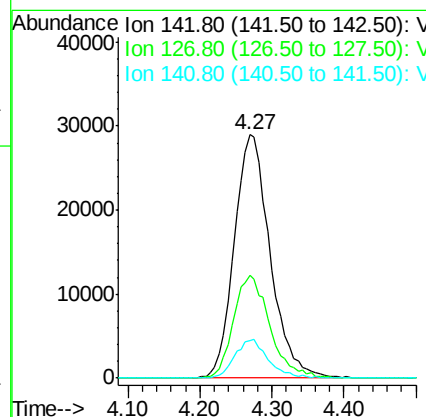
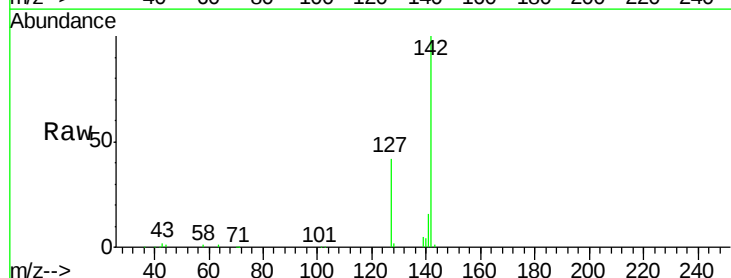
RT: 4.27 min Scan# 388

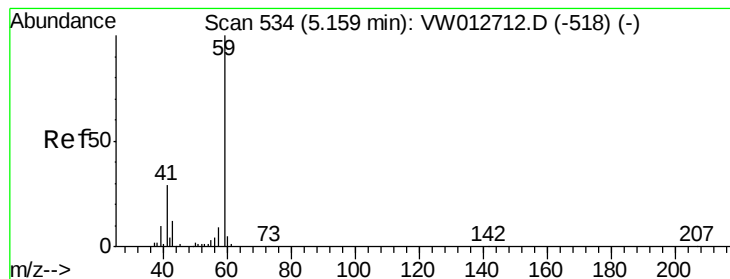
Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Tgt Ion:	142	Resp:	100106
Ion Ratio	Lower	Upper	
142	100		
127	42.7	36.0	54.0
141	15.0	12.2	18.4





#11

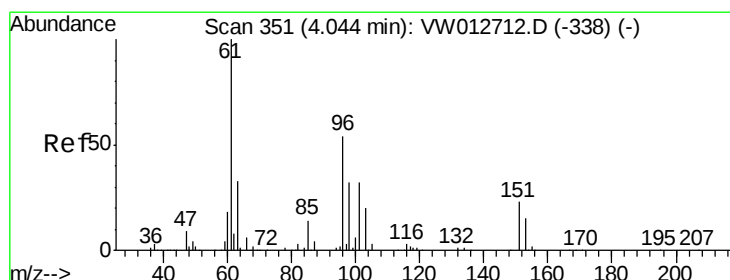
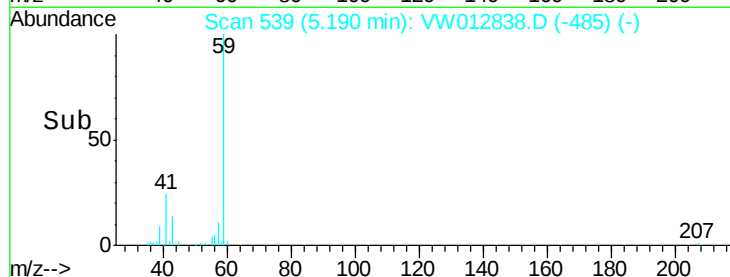
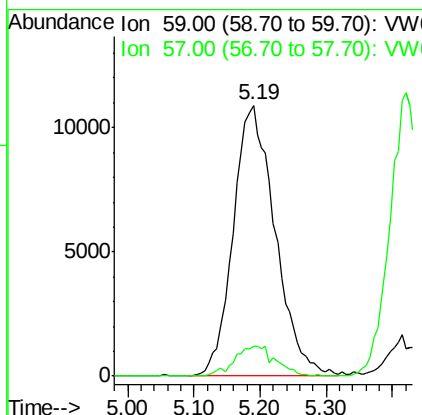
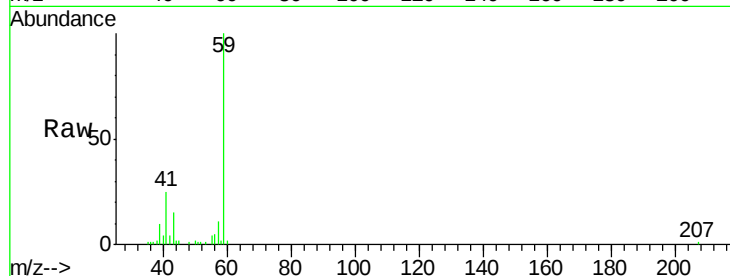
Tert butyl alcohol
Concen: 305.606 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.03 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.8	Resp	Lower	Upper
59	100					47960		
57		10.8					8.2	12.4

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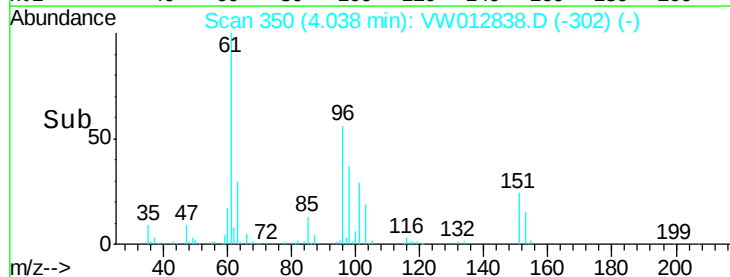
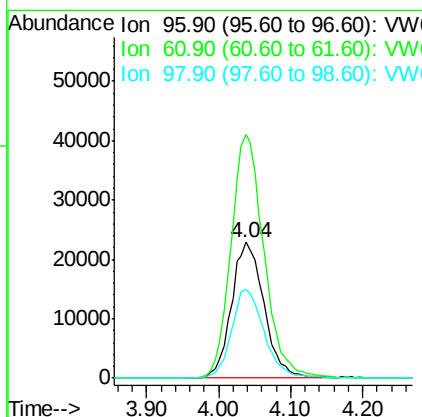
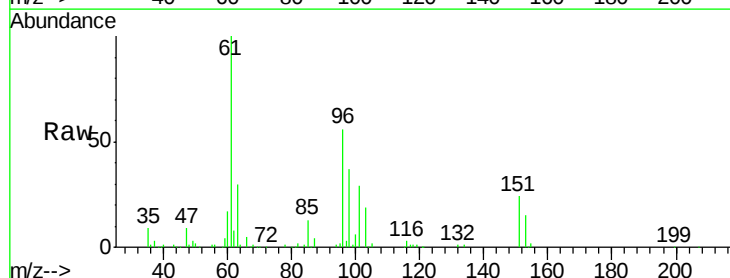
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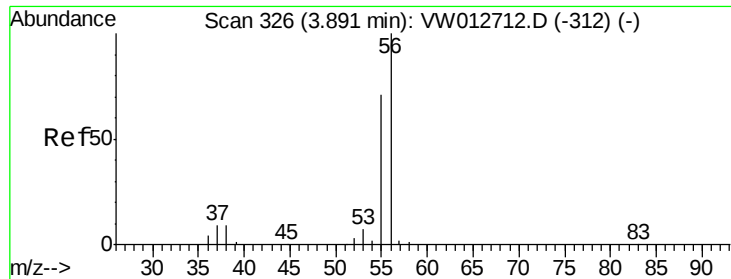


#12

1,1-Dichloroethene
Concen: 47.641 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	96	61	98	Ratio	100	179.4	65.8	Resp	Lower	Upper
96	100							72224		
61		179.4				147.8			221.6	
98			65.8				47.9			71.9





#13

Acrolein

Concen: 258.713 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43085

Ion Ratio Lower Upper

56 100

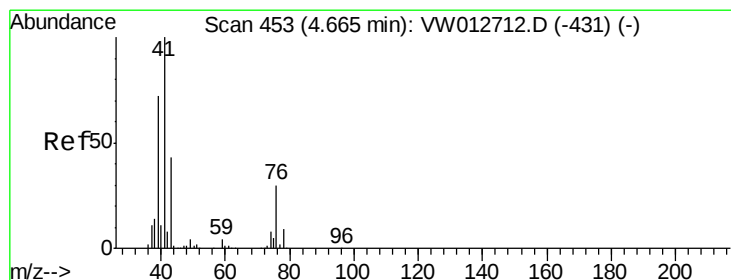
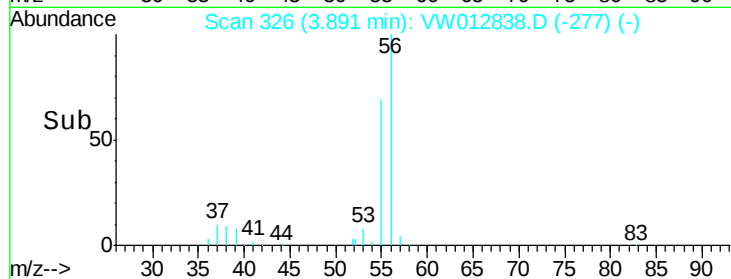
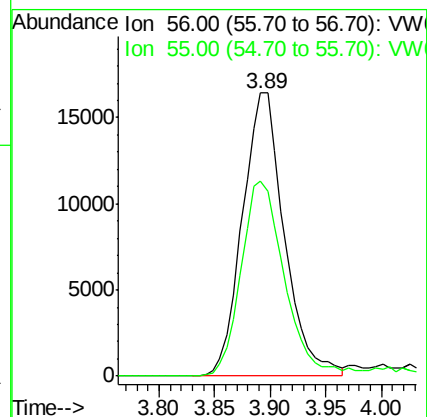
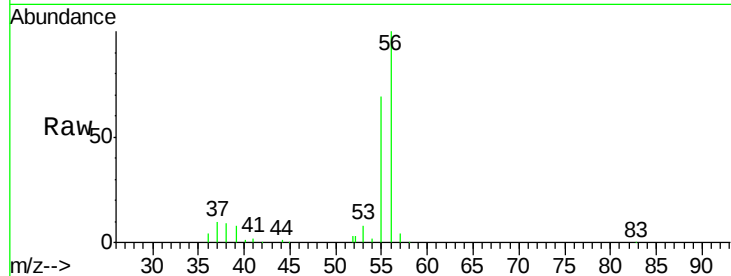
55 71.5 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 45.833 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

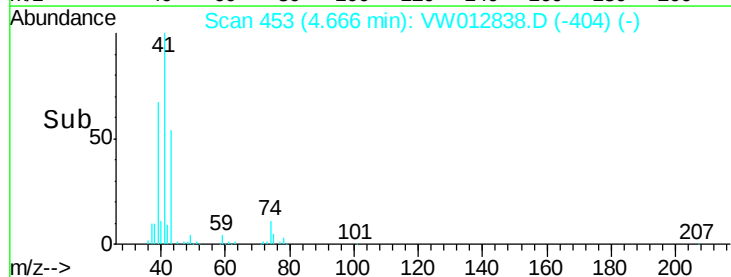
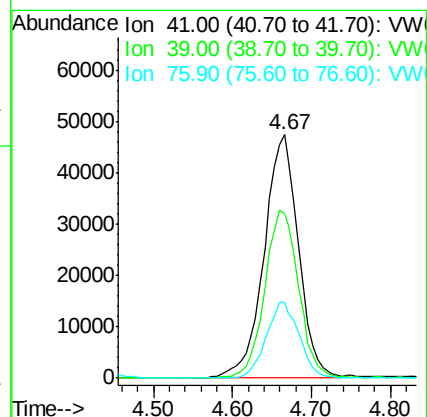
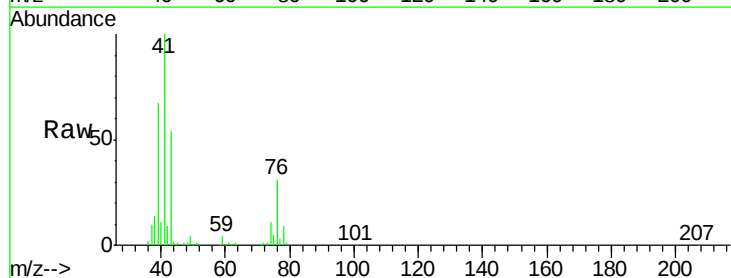
Tgt Ion: 41 Resp: 143736

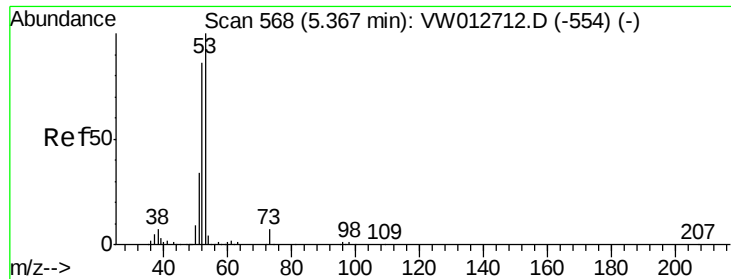
Ion Ratio Lower Upper

41 100

39 68.1 55.0 82.6

76 30.1 23.0 34.4





#15

Acrylonitrile

Concen: 289.403 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

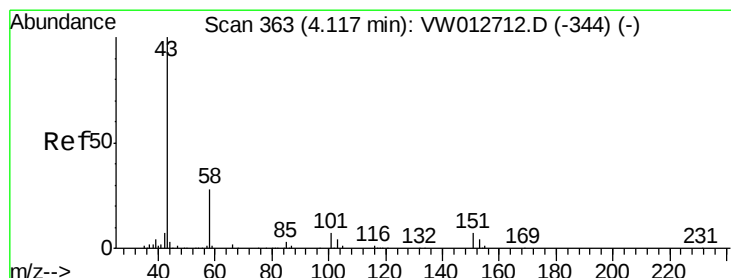
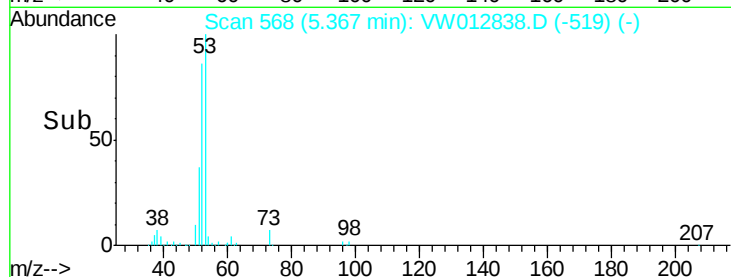
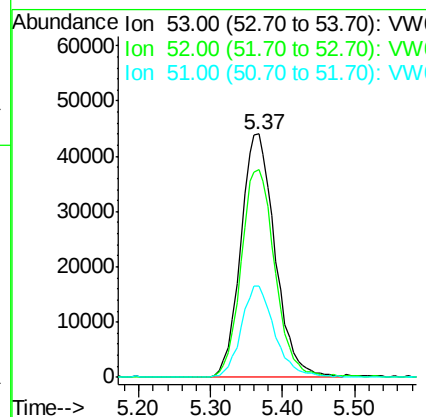
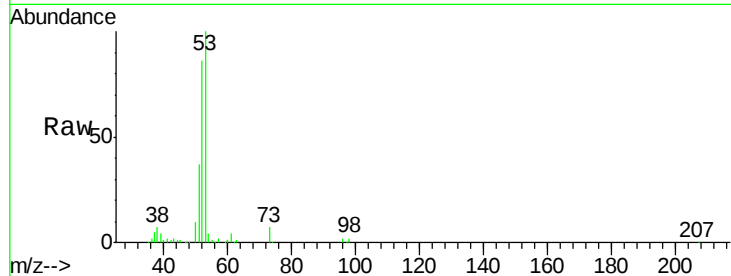
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	145386
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.0	100.4
51	36.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 234.251 ug/l

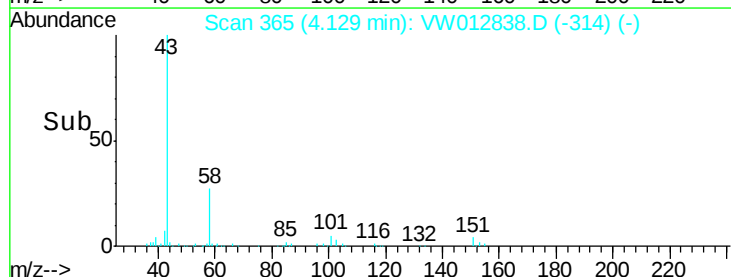
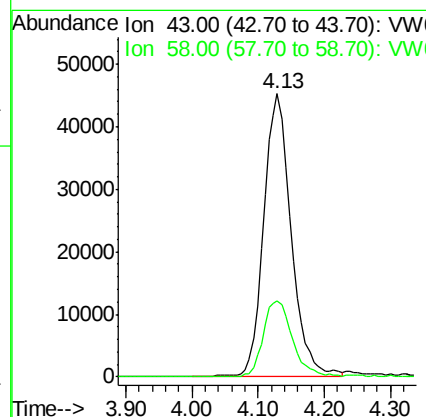
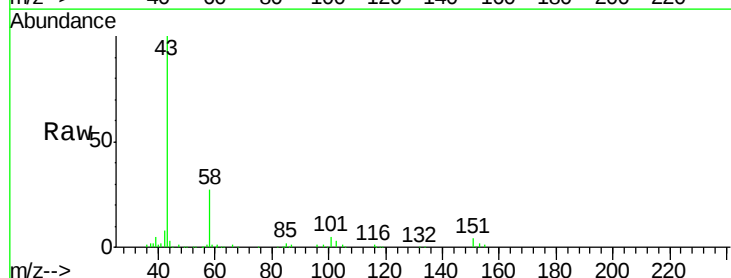
RT: 4.13 min Scan# 365

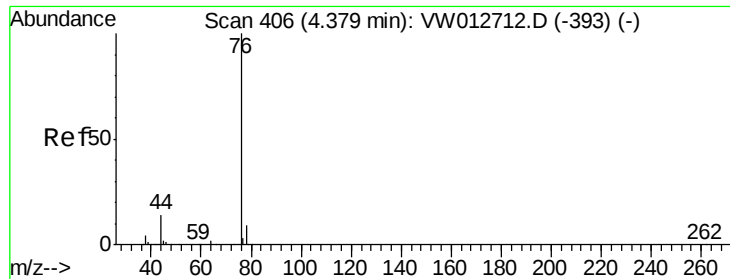
Delta R.T. 0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Tgt Ion:	43	Resp:	130989
Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.6	33.8





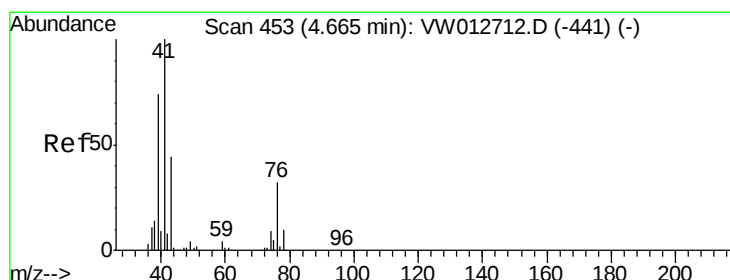
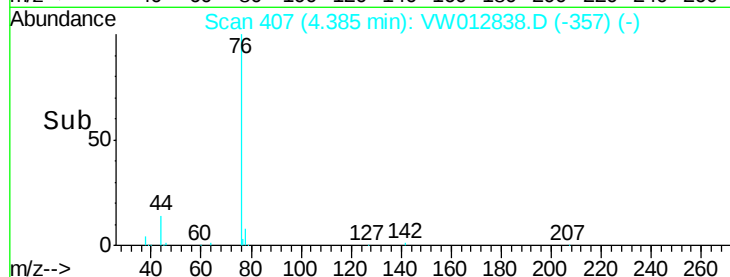
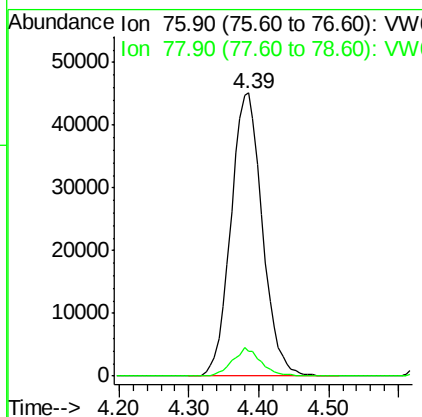
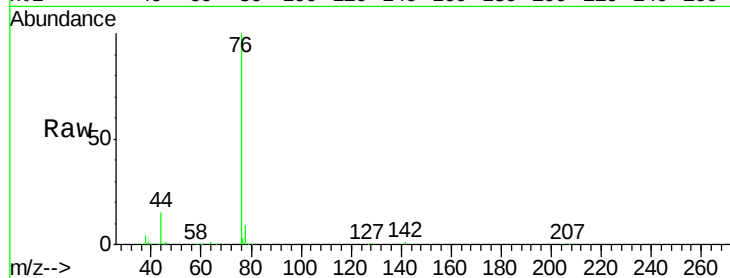
#17
Carbon Disulfide
Concen: 43.793 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

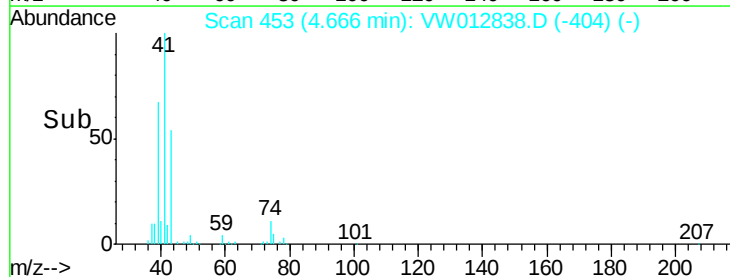
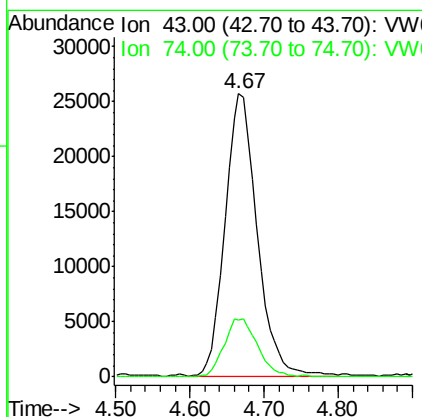
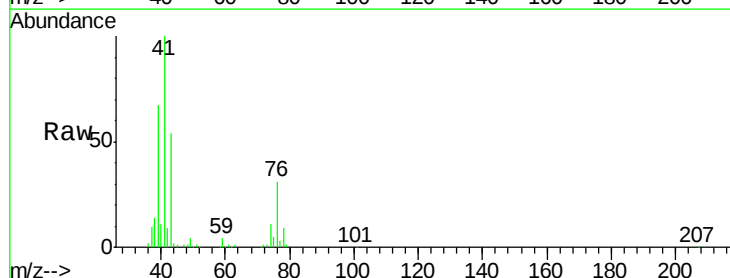
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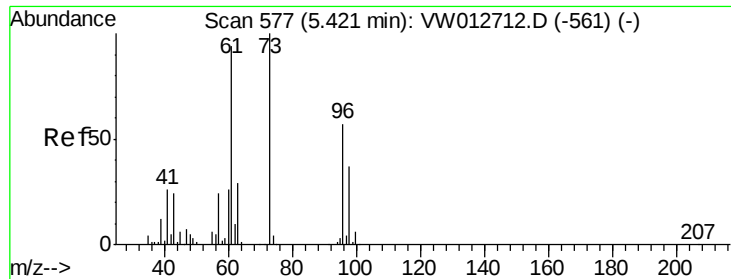
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#18
Methyl Acetate
Concen: 58.708 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	15.8	23.6





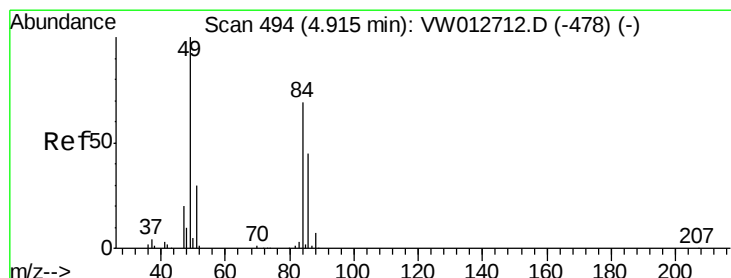
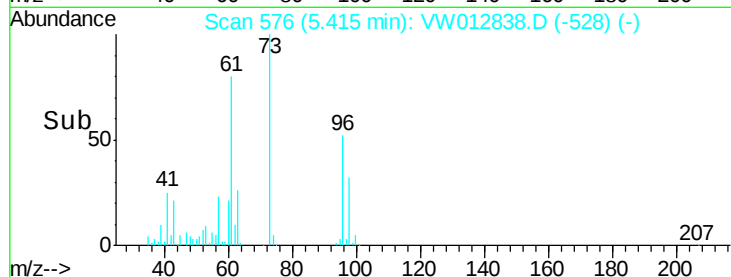
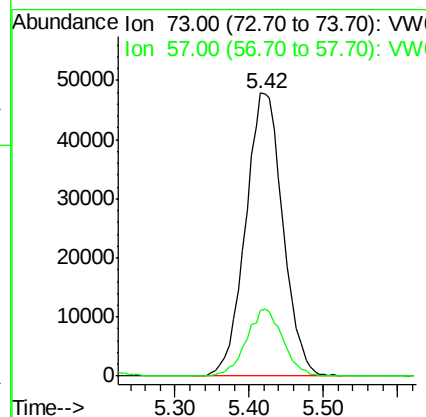
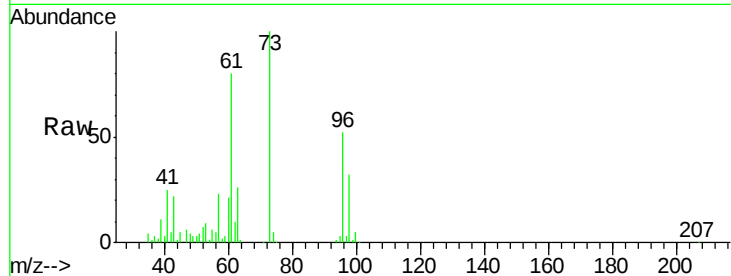
#19
Methyl tert-butyl Ether
Concen: 55.824 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.2	28.8

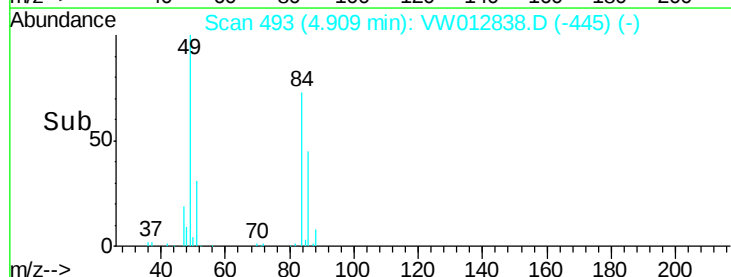
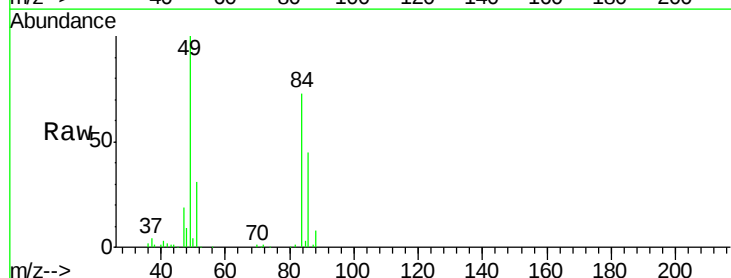
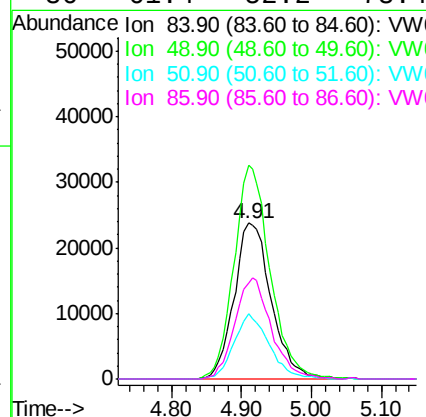
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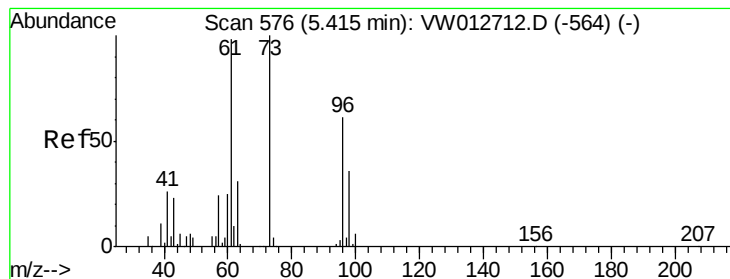
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#20
Methylene Chloride
Concen: 49.992 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.8	115.4	173.0
51	41.9	34.9	52.3
86	61.4	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 48.833 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 75538

Ion Ratio Lower Upper

96 100

61 144.4 129.2 193.8

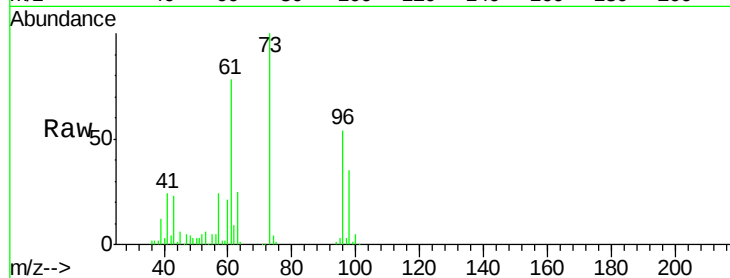
98 64.2 48.0 72.0

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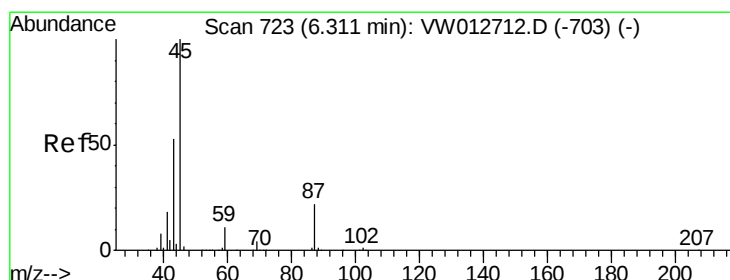
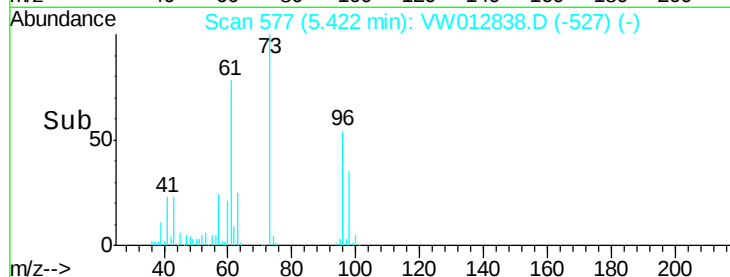
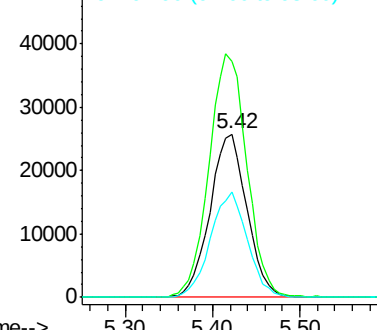


Abundance

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: 50.382 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Tgt Ion: 45 Resp: 313372

Ion Ratio Lower Upper

45 100

43 55.8 42.3 63.5

87 23.8 18.2 27.2

59 10.4 8.5 12.7

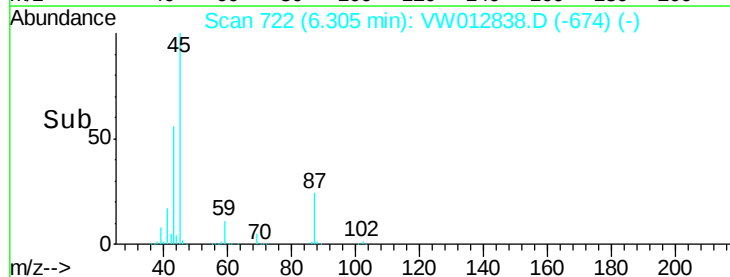
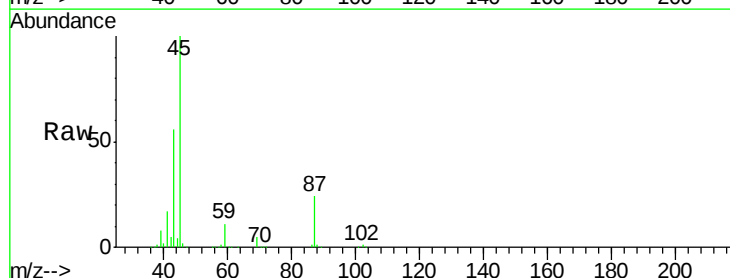
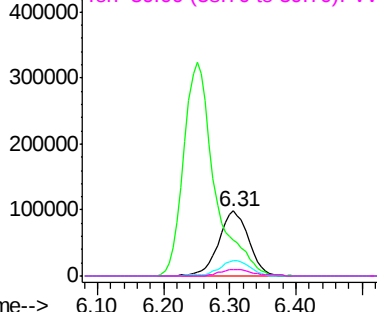
Abundance

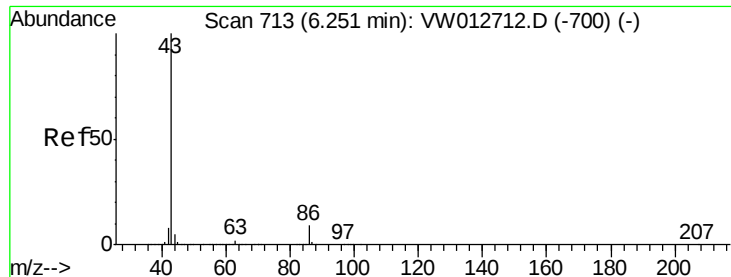
Ion 45.00 (44.70 to 45.70): VW

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: 268.285 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Tot Ion: 43 Resp: 1057548

Ion Ratio Lower Upper

43 100

86 9.2 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

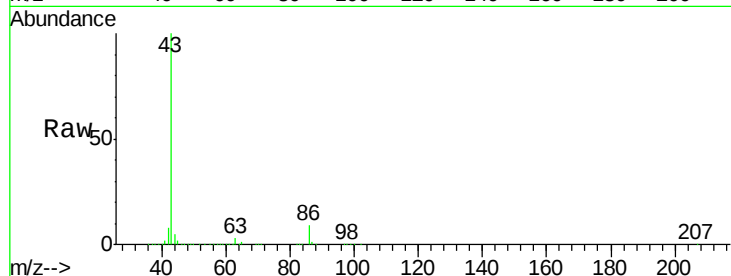
VSTDCCC050

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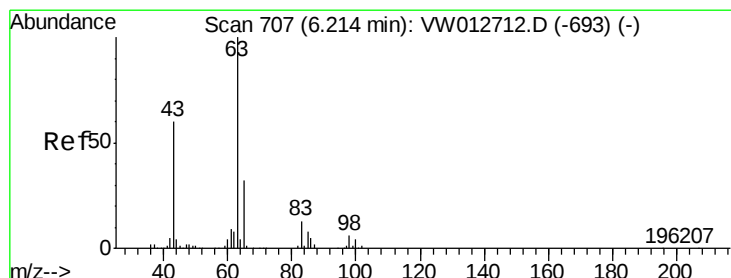
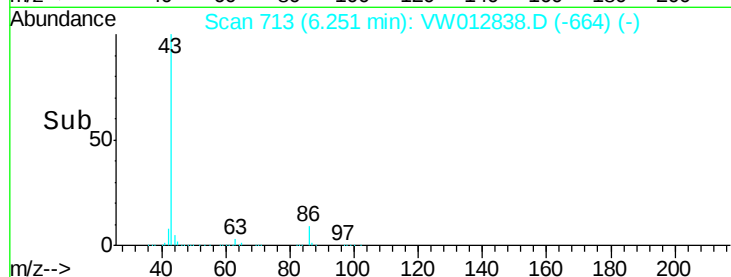
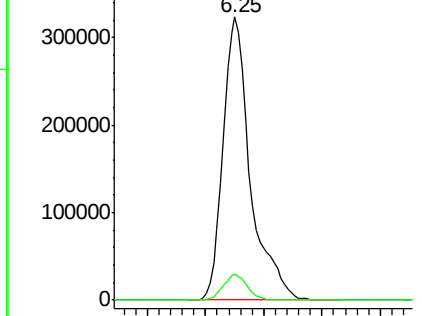
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.989 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

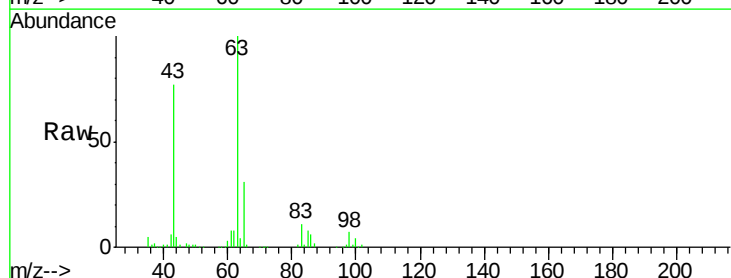
Tgt Ion: 63 Resp: 164070

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.3

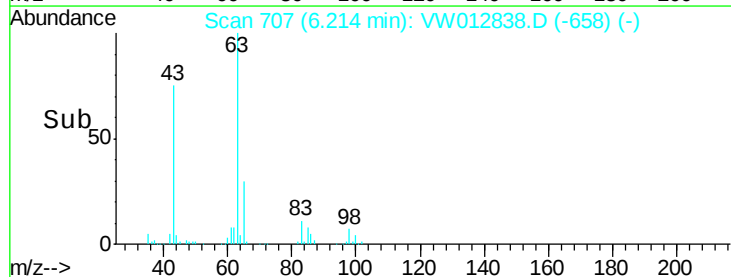
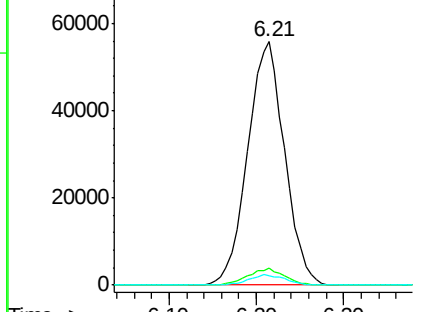
100 3.9 1.8 5.5

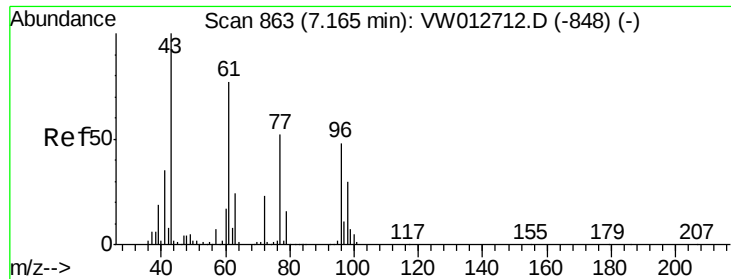


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 245.207 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 201553

Ion Ratio Lower Upper

43 100

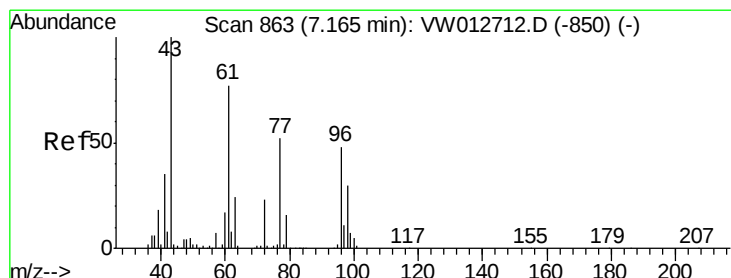
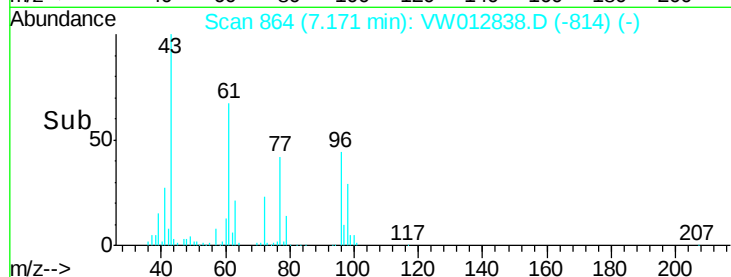
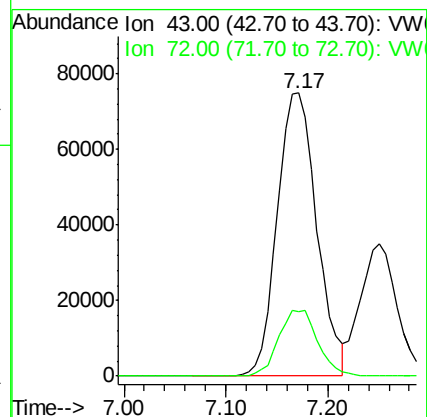
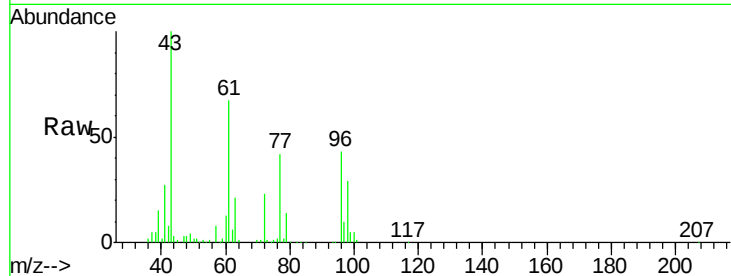
72 22.7 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.086 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012838.D

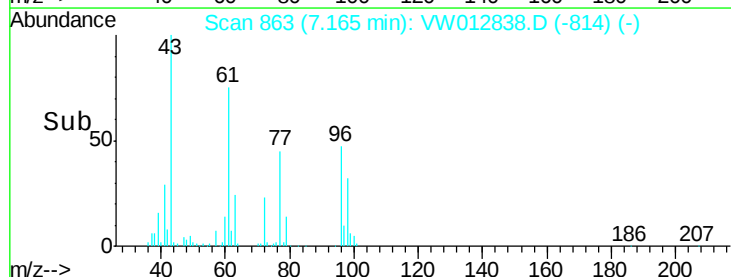
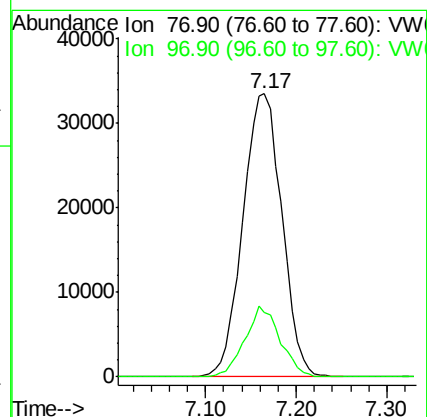
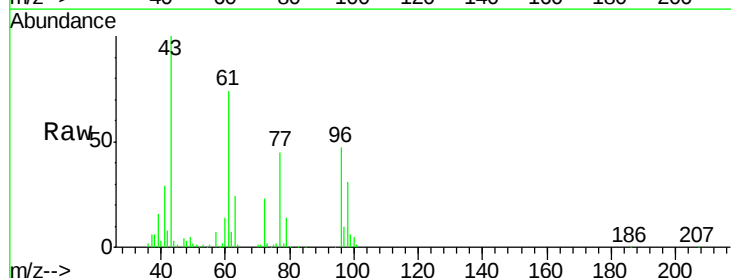
Acq: 09 Sep 2019 22:53

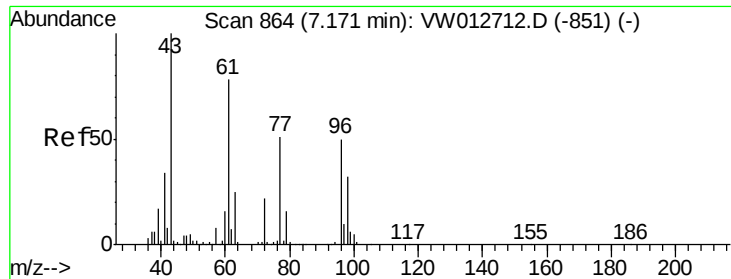
Tgt Ion: 77 Resp: 99599

Ion Ratio Lower Upper

77 100

97 22.6 10.7 32.1





#27

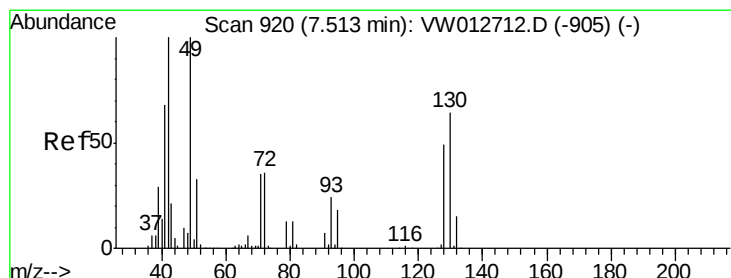
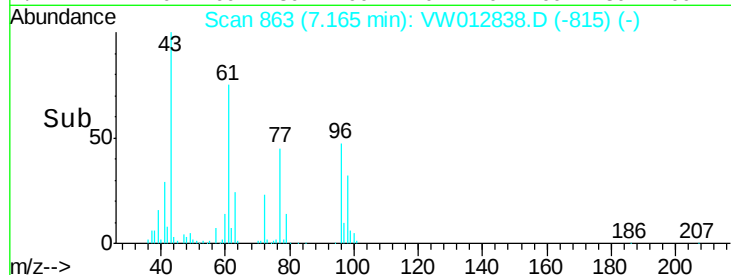
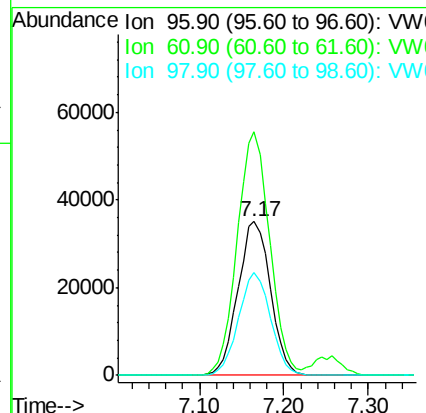
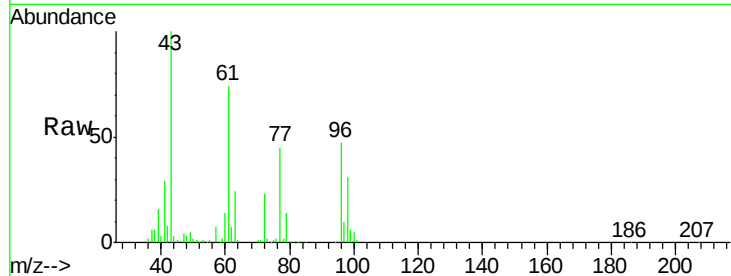
cis-1,2-Dichloroethene
Concen: 51.143 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.6	0.0	325.8
98	65.4	0.0	127.0

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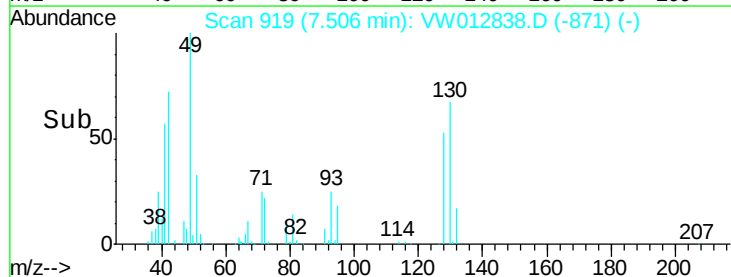
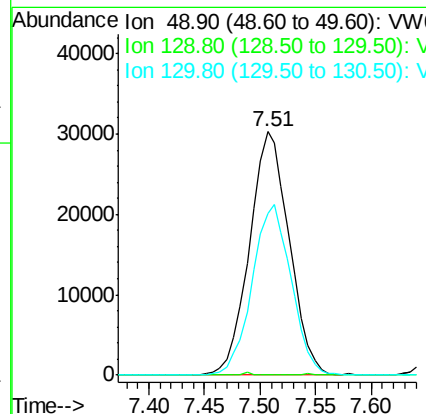
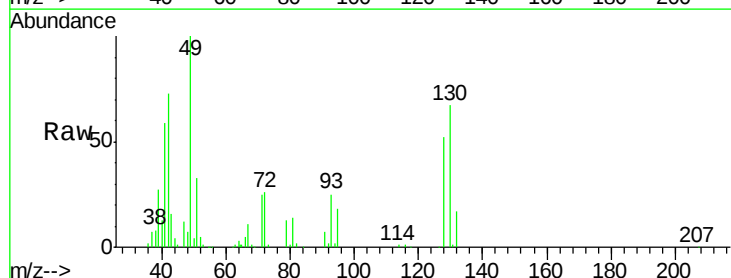
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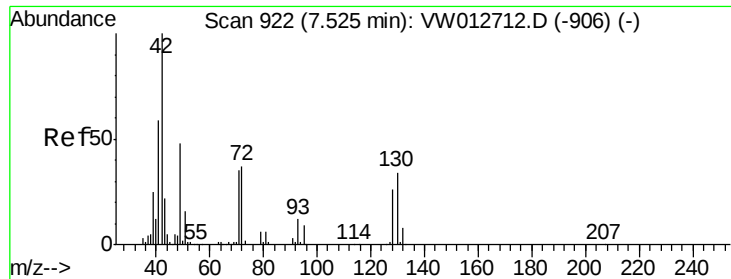


#28

Bromochloromethane
Concen: 48.891 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.8
130	68.9	49.8	74.8





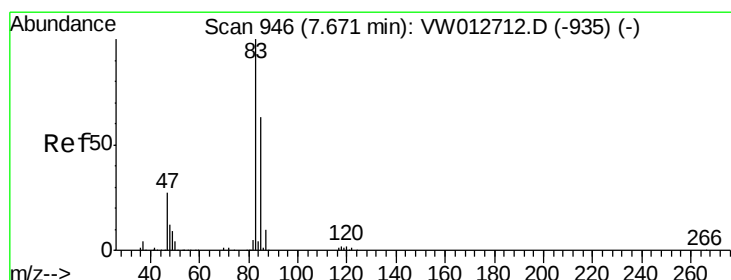
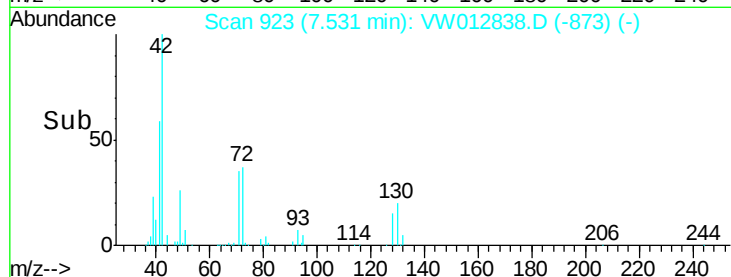
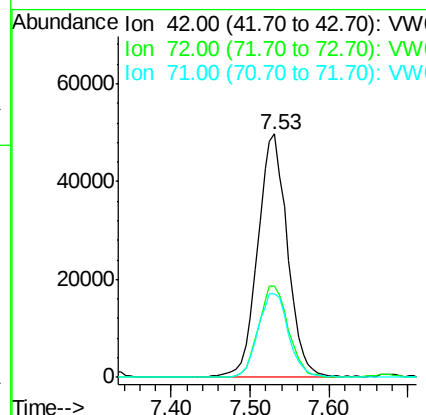
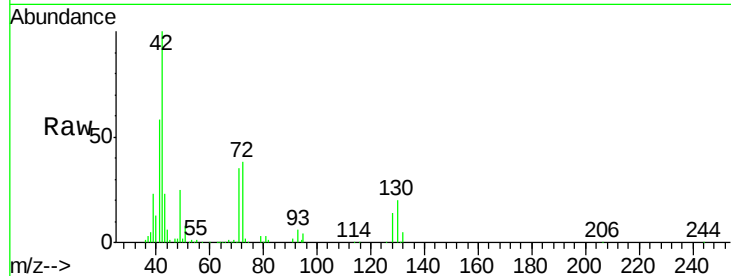
#29
Tetrahydrofuran
Concen: 289.228 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	28.4	42.6
71	35.3	27.1	40.7

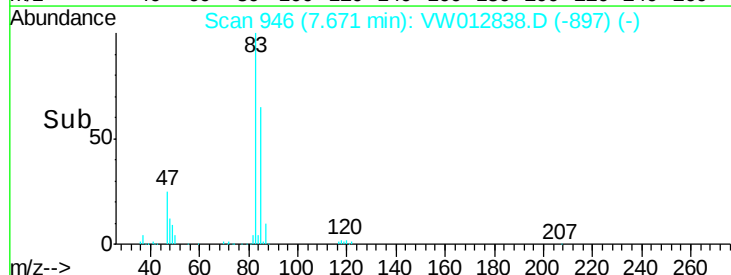
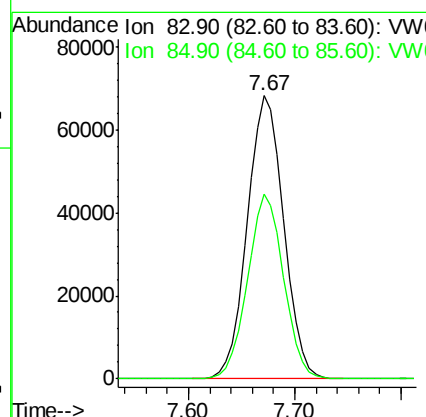
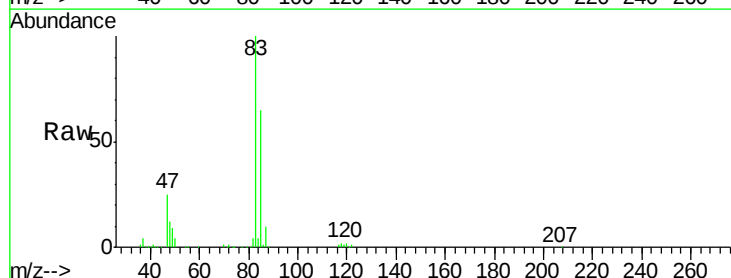
Manual Integrations
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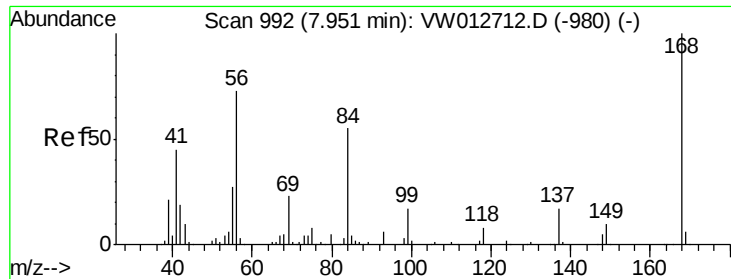
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#30
Chloroform
Concen: 49.374 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	76.0





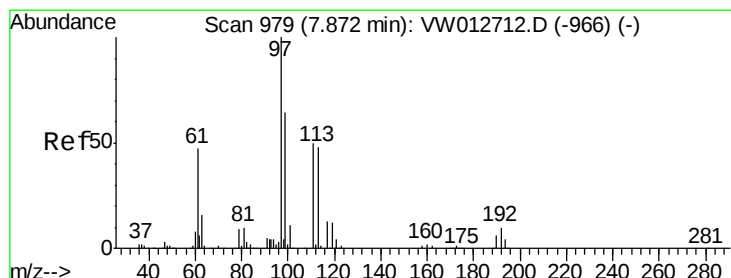
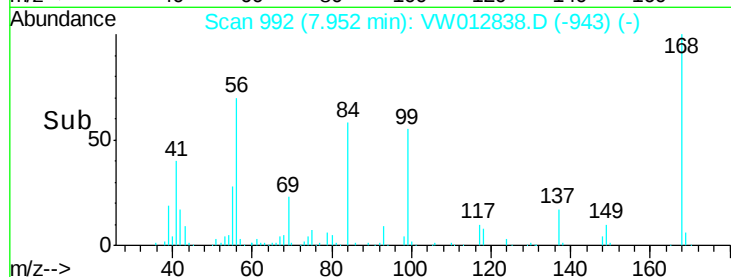
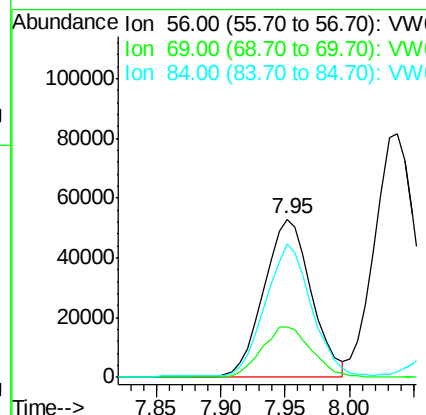
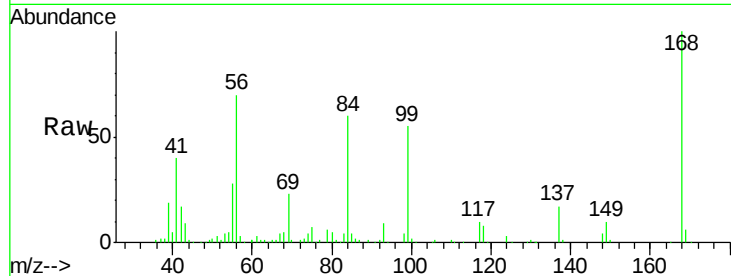
#31
Cyclohexane
Concen: 44.989 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	135646		
69	32.1		25.7	38.5
84	83.5		60.4	90.6

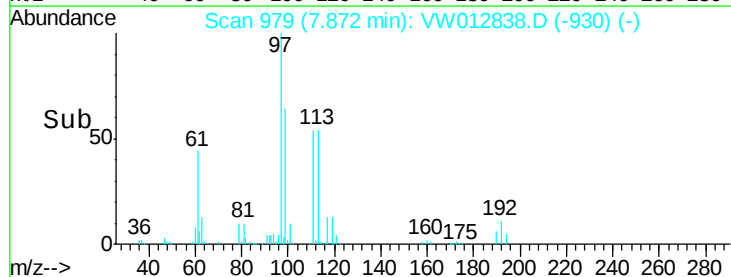
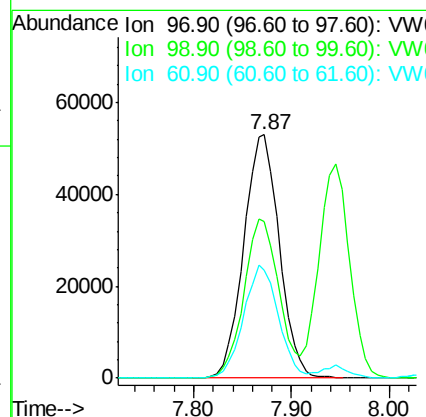
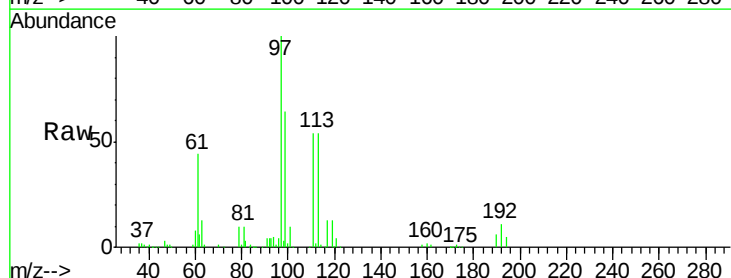
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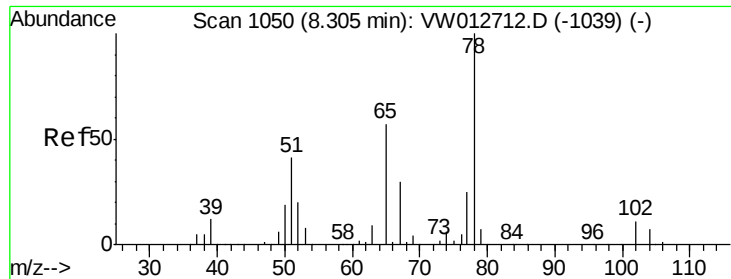
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#32
1,1,1-Trichloroethane
Concen: 49.643 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	133562		
99	64.9		51.5	77.3
61	45.5		37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 48.633 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 99754

Ion Ratio Lower Upper

65 100

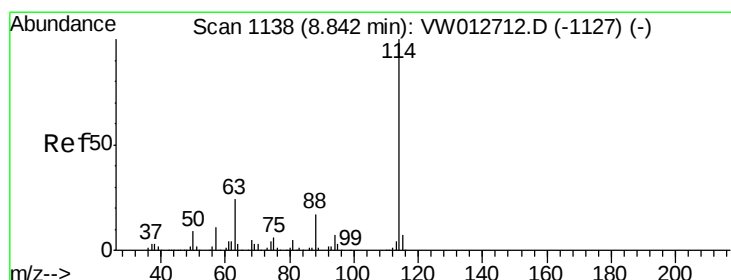
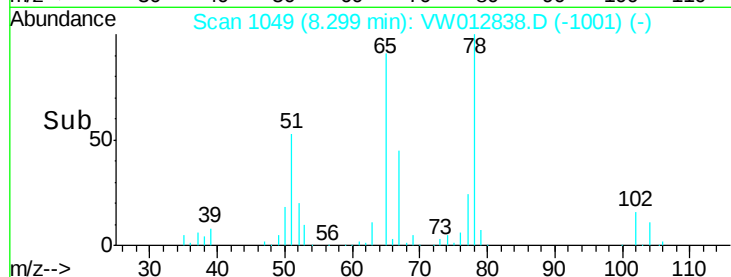
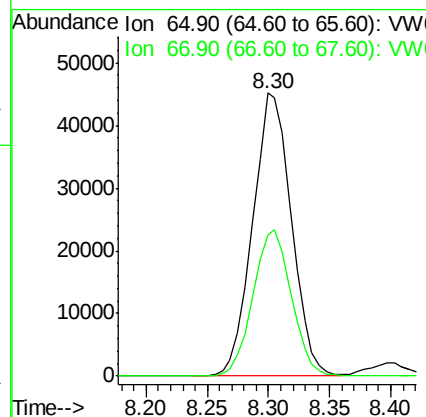
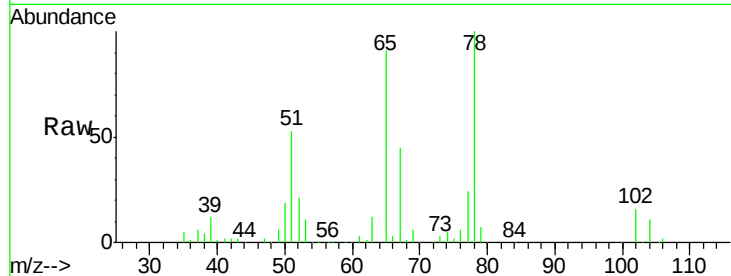
67 51.1 0.0 101.8

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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: VW012838.D

Acq: 09 Sep 2019 22:53

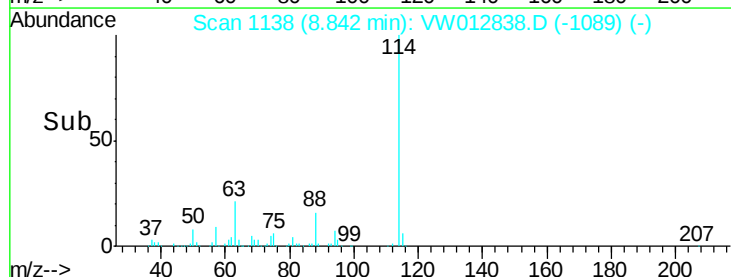
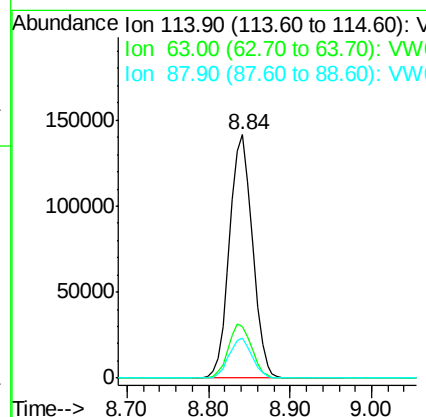
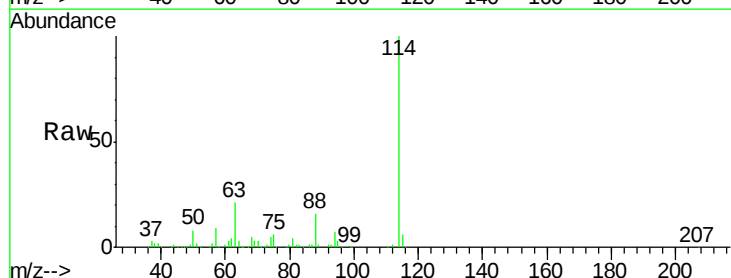
Tgt Ion: 114 Resp: 274605

Ion Ratio Lower Upper

114 100

63 21.0 0.0 47.2

88 16.3 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.056 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

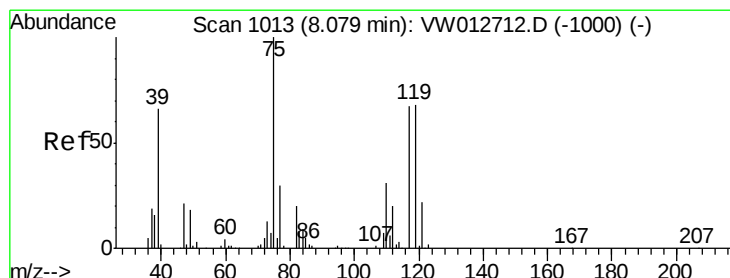
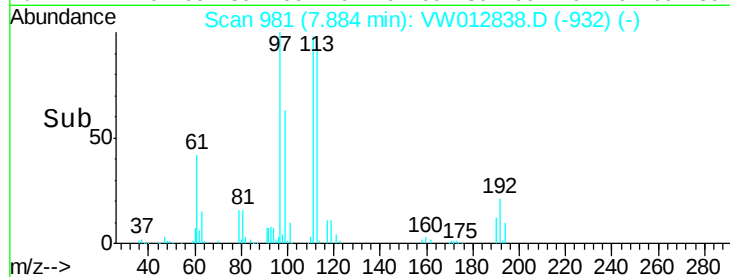
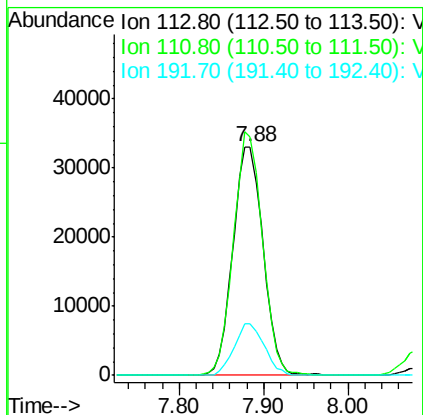
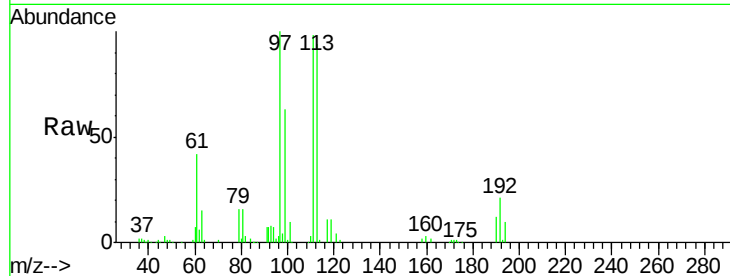
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	80089
Ion Ratio	Lower	Upper	
113	100		
111	102.2	80.2	120.4
192	22.5	17.3	25.9

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#36

1,1-Dichloropropene

Concen: 49.447 ug/l

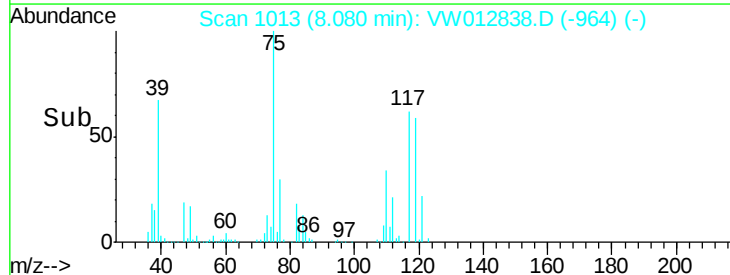
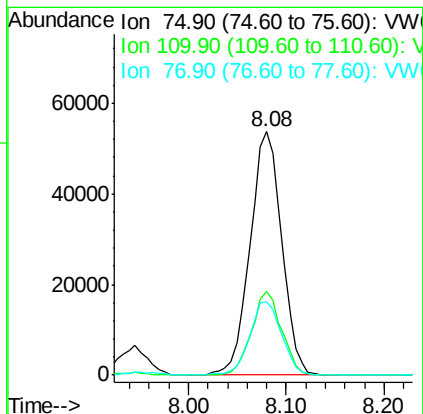
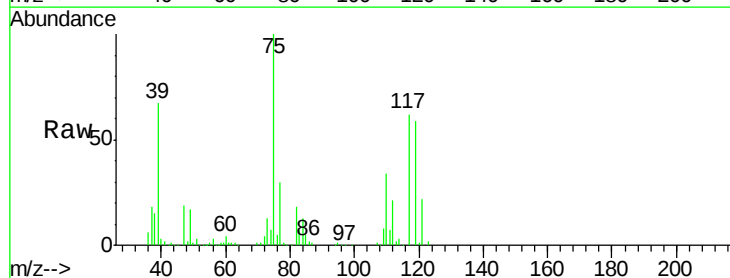
RT: 8.08 min Scan# 1013

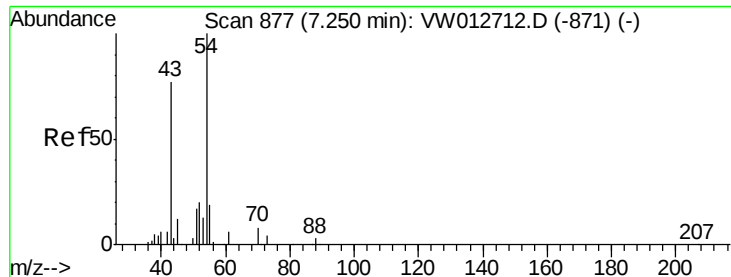
Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Tgt Ion:	75	Resp:	120648
Ion Ratio	Lower	Upper	
75	100		
110	32.8	15.9	47.7
77	30.6	25.0	37.4





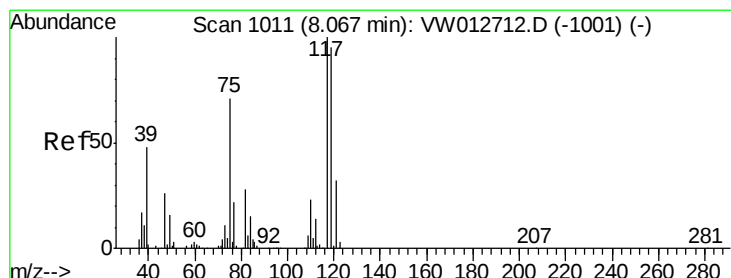
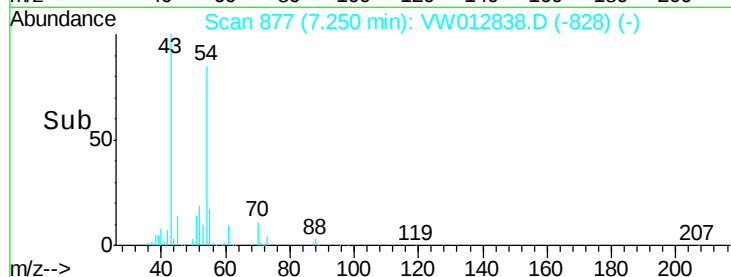
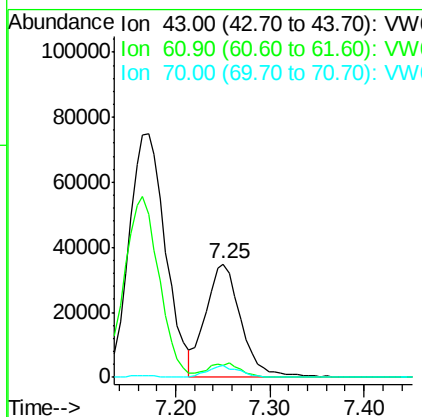
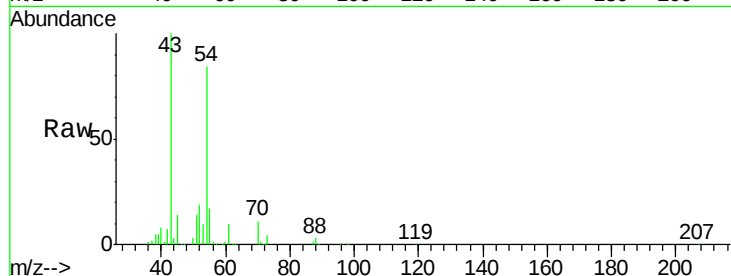
#37
Ethyl Acetate
Concen: 57.586 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	89569		
61	12.2		9.5	14.3
70	9.6		7.0	10.6

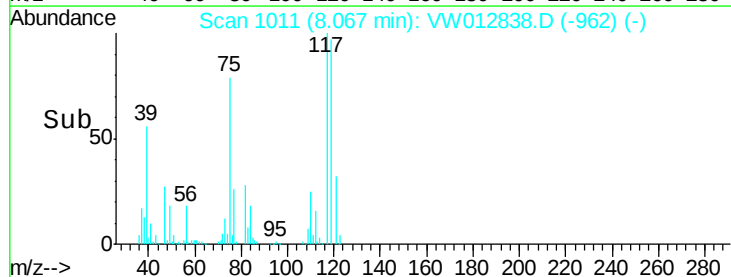
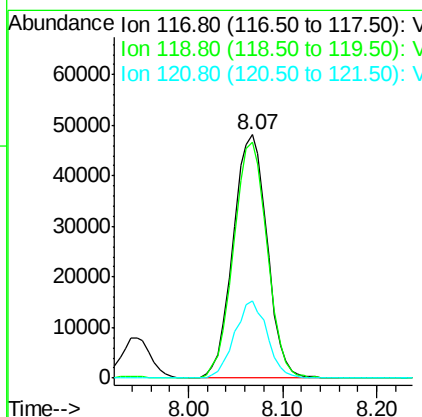
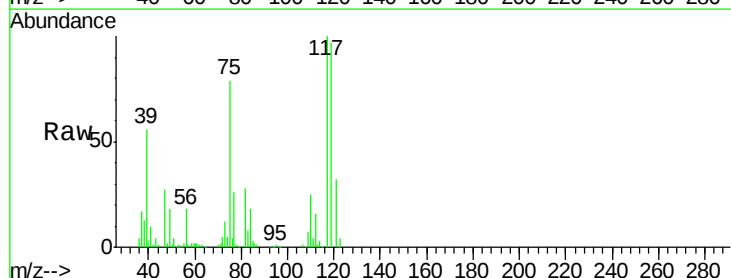
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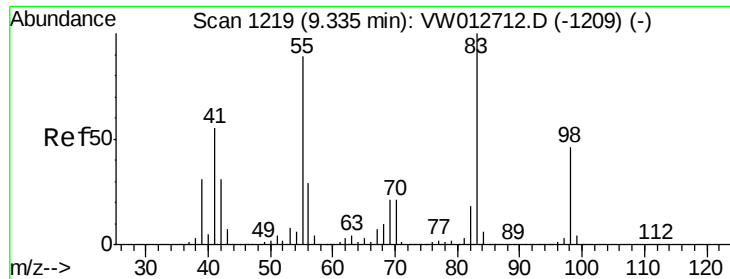
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#38
Carbon Tetrachloride
Concen: 50.455 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	121352		
119	96.8		76.2	114.2
121	31.8		25.4	38.2





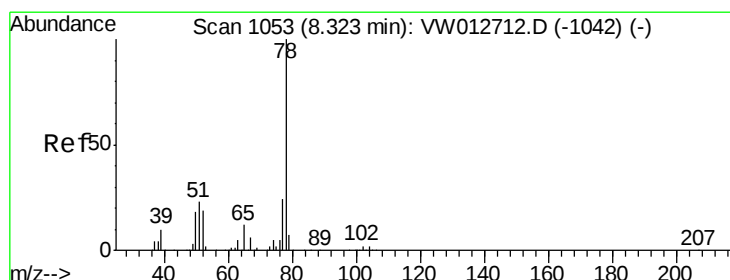
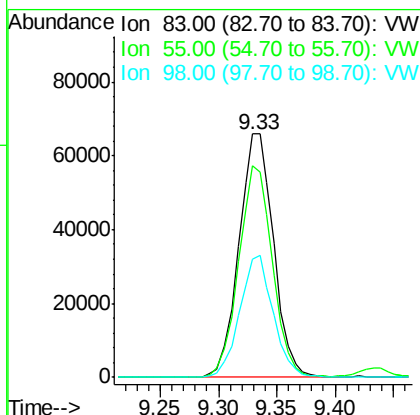
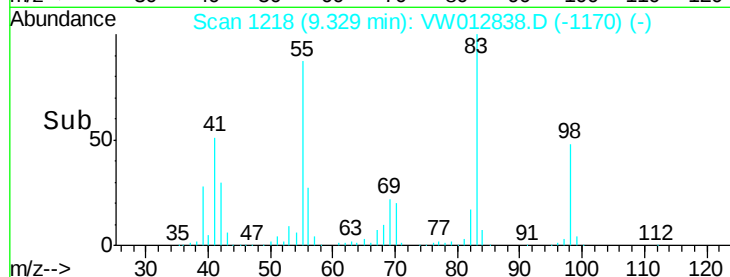
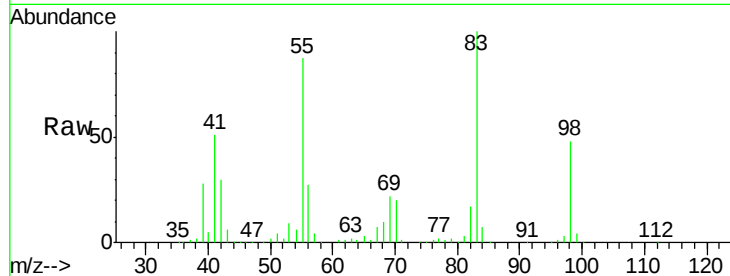
#39
Methvlcvclohexane
Concen: 49.624 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	135988
Ion Ratio	Lower	Upper	
83	100		
55	87.2	71.0	106.4
98	48.3	36.9	55.3

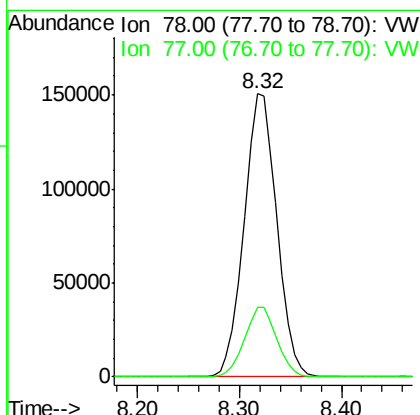
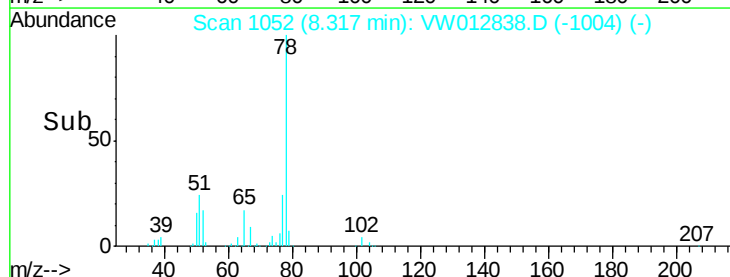
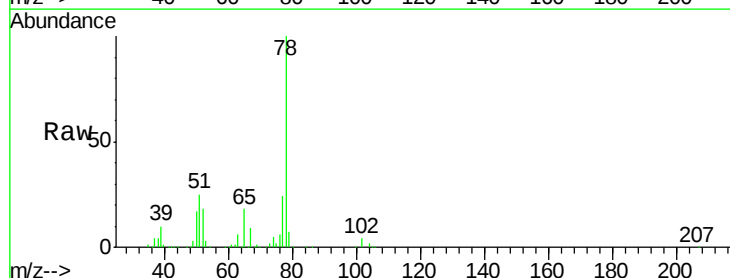
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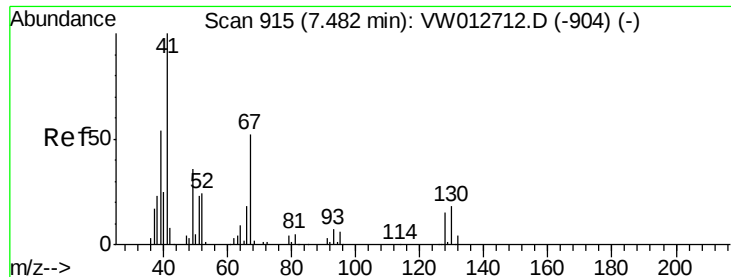
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#40
Benzene
Concen: 49.740 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	78.00	Resp	336721
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.3	28.9





#41

Methacrylonitrile

Concen: 51.603 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

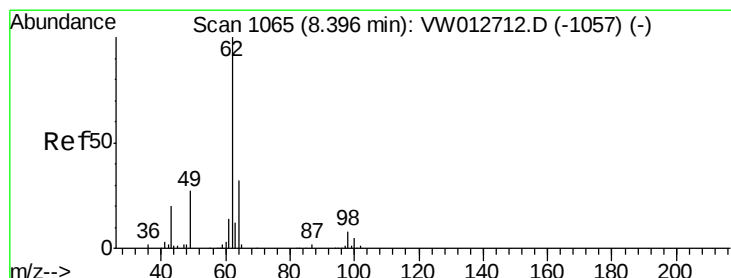
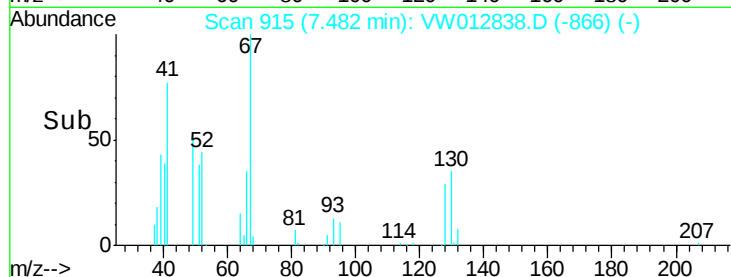
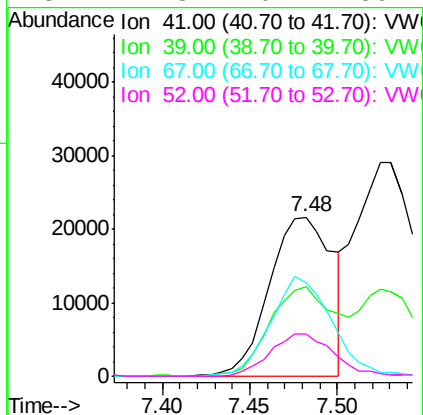
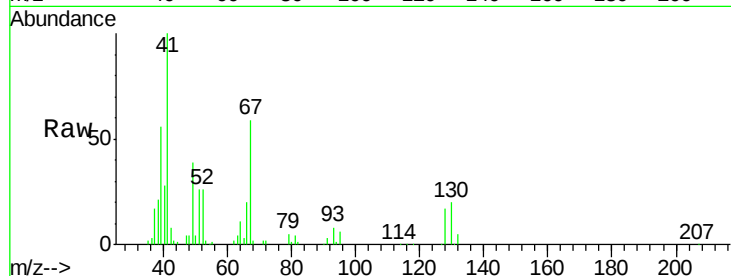
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	54702
Ion	Ratio	Lower	Upper
41	100		
39	59.9	47.5	71.3
67	60.7	45.1	67.7
52	27.3	20.2	30.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.097 ug/l

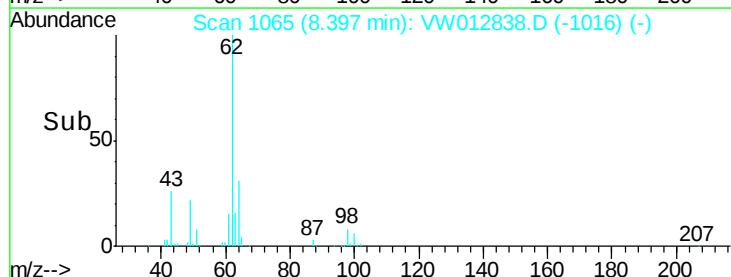
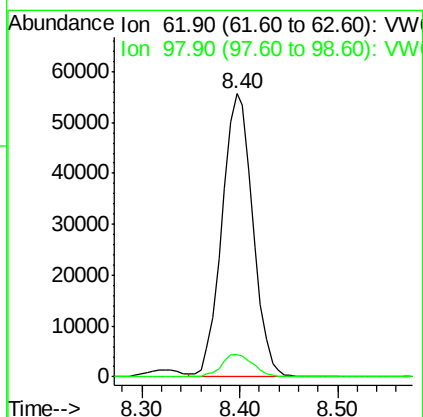
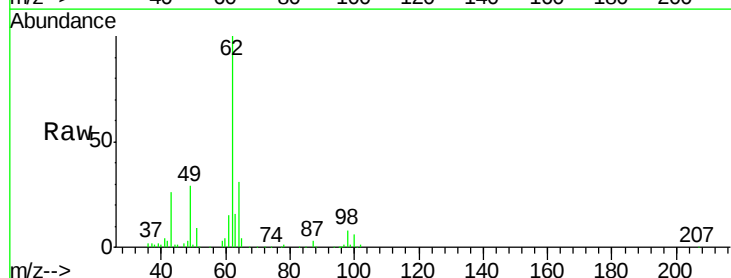
RT: 8.40 min Scan# 1065

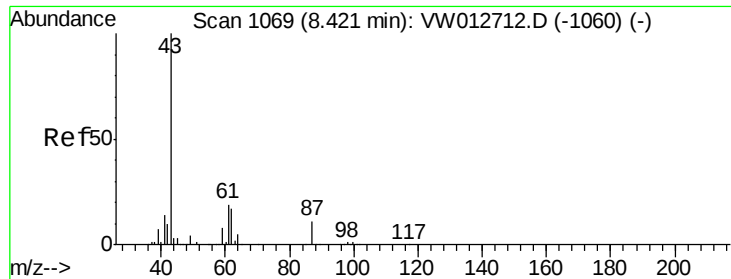
Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Tgt Ion:	62	Resp:	121739
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.2





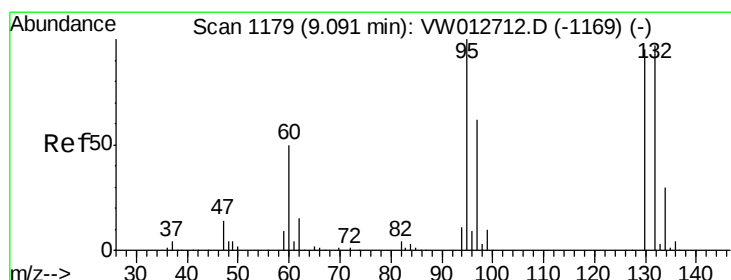
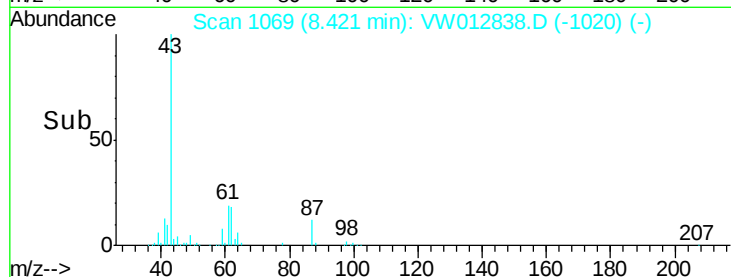
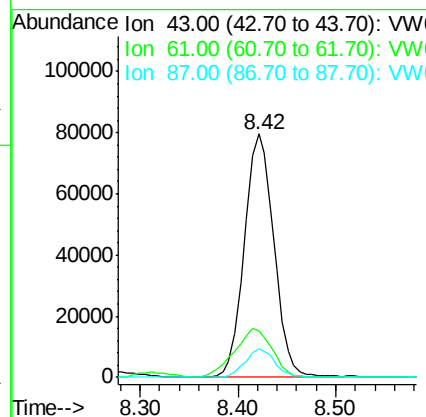
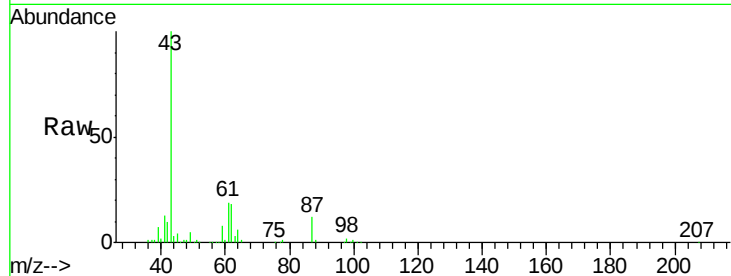
#43
Isopropyl Acetate
Concen: 56.412 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	166234
Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.6	30.8
87	11.7	8.6	13.0

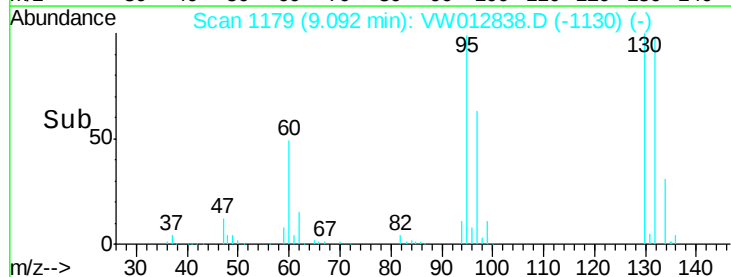
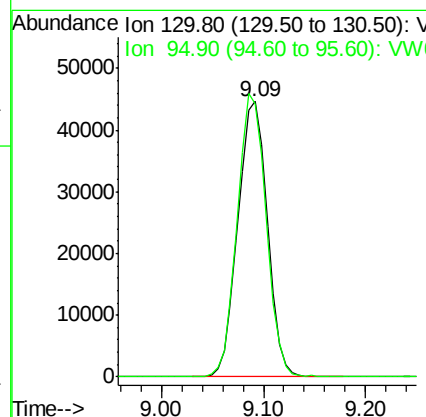
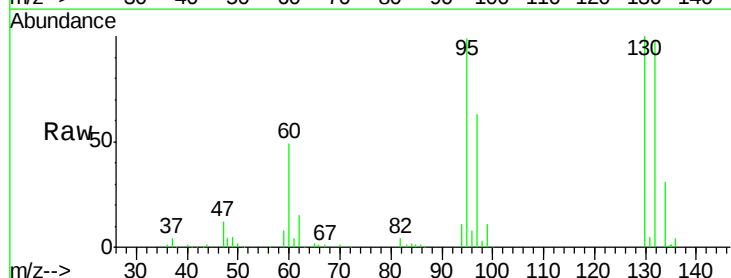
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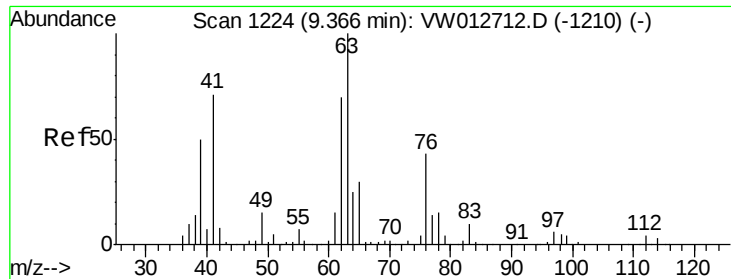
MMDadoda
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#44
Trichloroethene
Concen: 51.165 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion:	130	Resp:	89283
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	210.6





#45

1,2-Dichloropropane

Concen: 50.341 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 94520

Ion Ratio Lower Upper

63 100

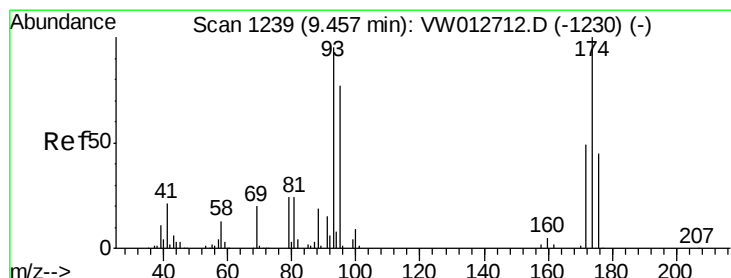
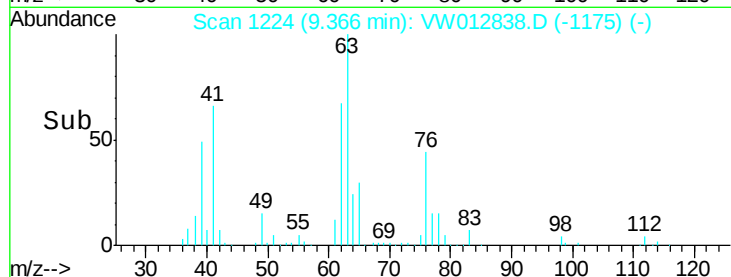
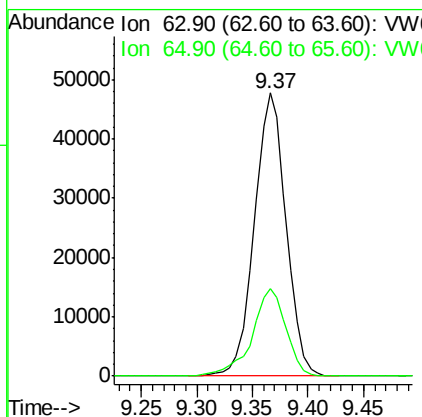
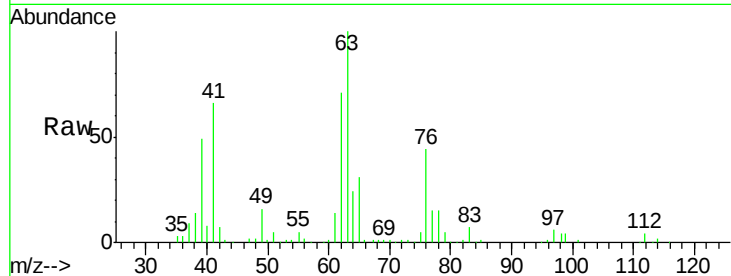
65 30.8 23.8 35.8

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#46

Dibromomethane

Concen: 55.387 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

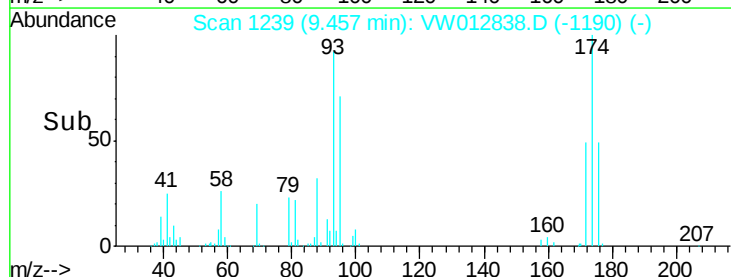
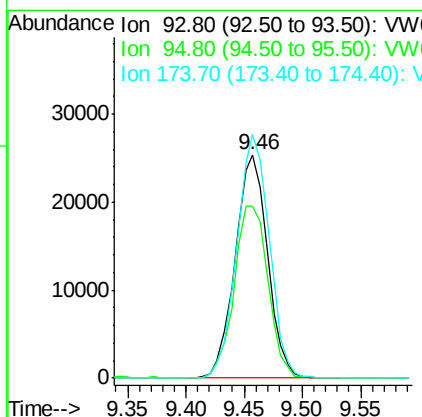
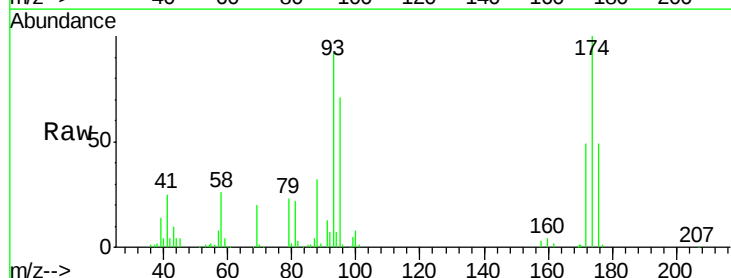
Tgt Ion: 93 Resp: 49245

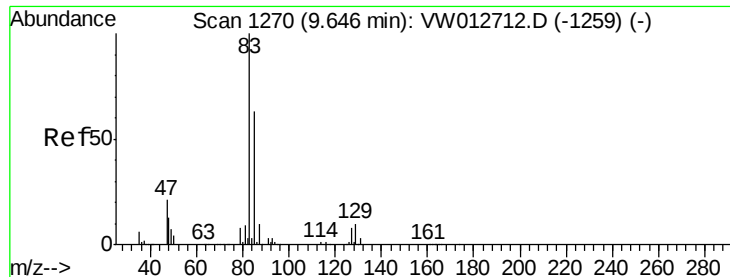
Ion Ratio Lower Upper

93 100

95 81.1 65.2 97.8

174 108.9 84.2 126.4





#47

Bromodichloromethane

Concen: 51.678 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

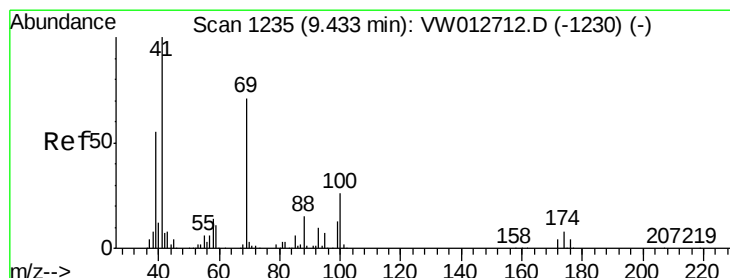
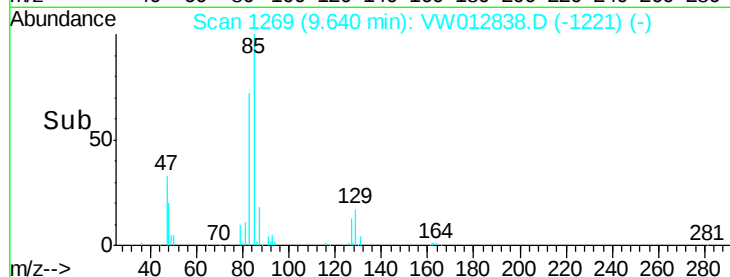
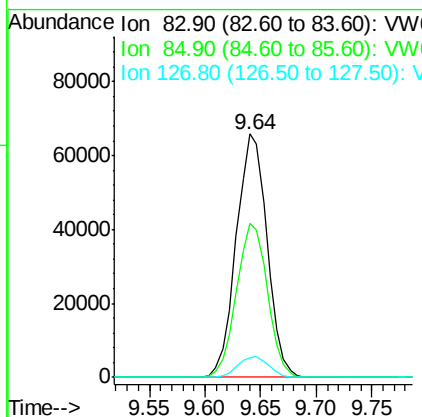
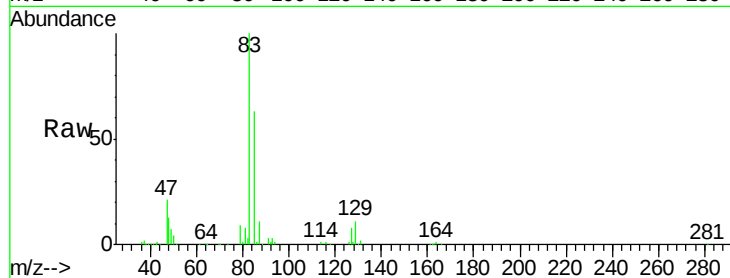
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	126412
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.2	75.2
127	7.9	6.6	9.8

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#48

Methyl methacrylate

Concen: 55.519 ug/l

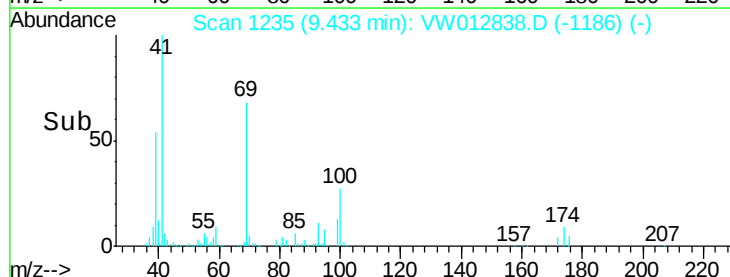
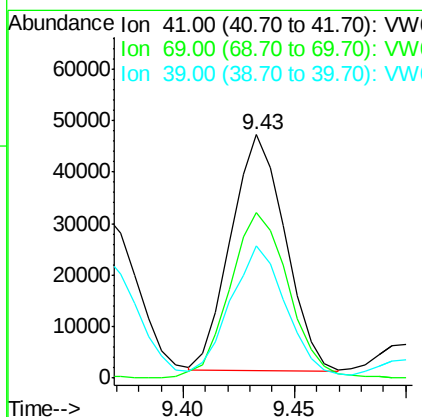
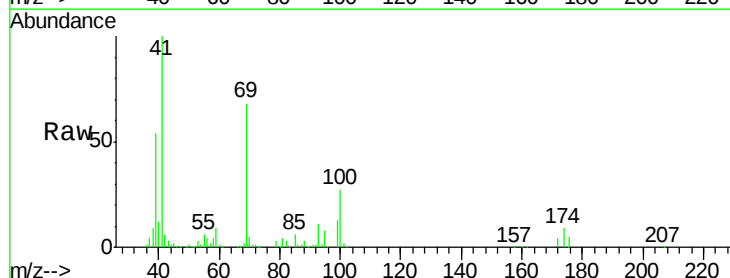
RT: 9.43 min Scan# 1235

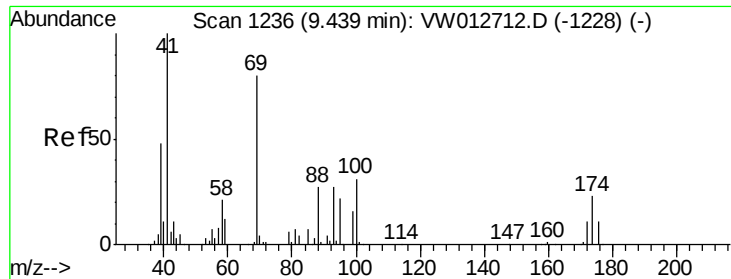
Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Tgt Ion:	41	Resp:	78184
Ion	Ratio	Lower	Upper
41	100		
69	76.0	59.8	89.8
39	58.0	47.0	70.6





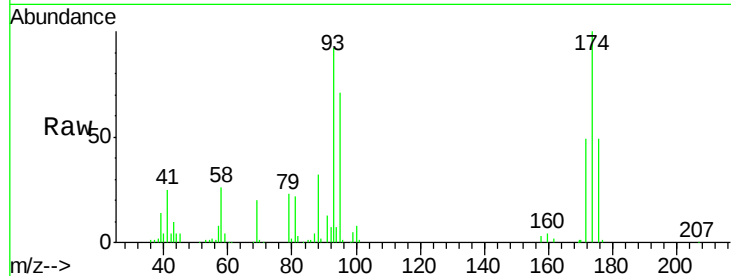
#49
 1,4-Dioxane
 Concen: 1202.397 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.02 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

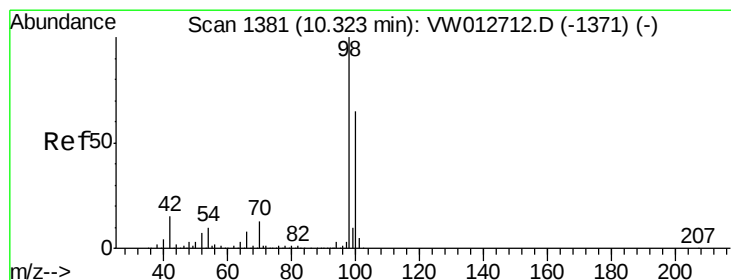
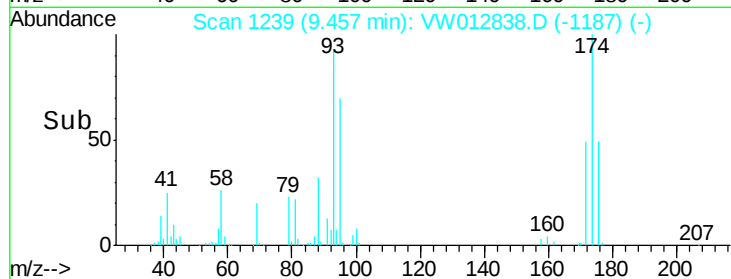
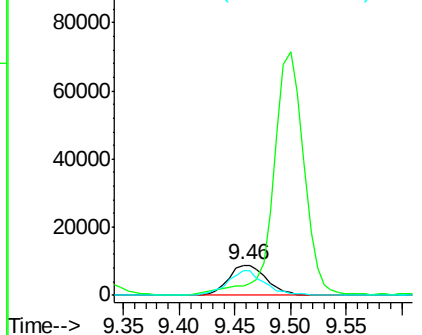
Tot Ion	88	Resp	21117
Ion Ratio	100	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	79.6	64.1	96.1

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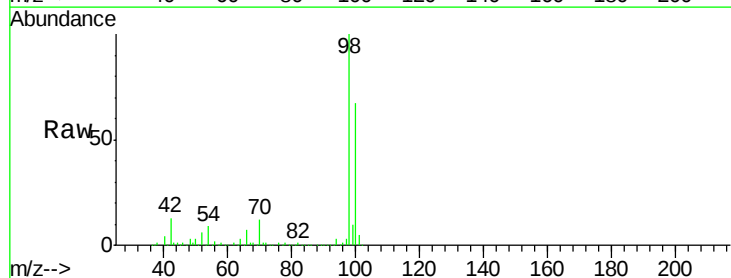


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

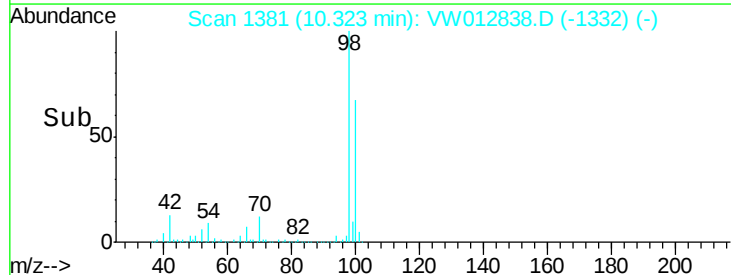
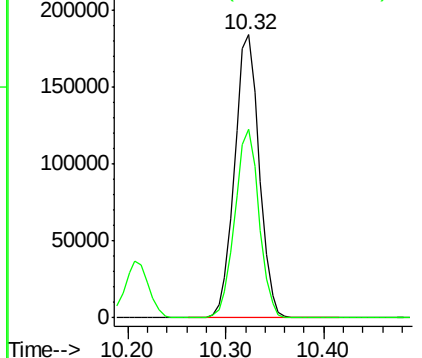


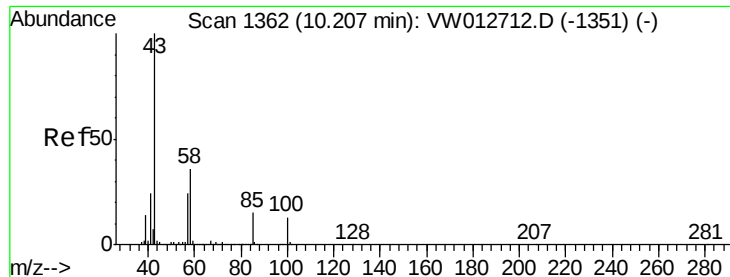
#50
 Toluene-d8
 Concen: 50.447 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Tgt Ion	98	Resp	322666
Ion Ratio	100	Lower	Upper
98	100		
100	65.2	52.2	78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





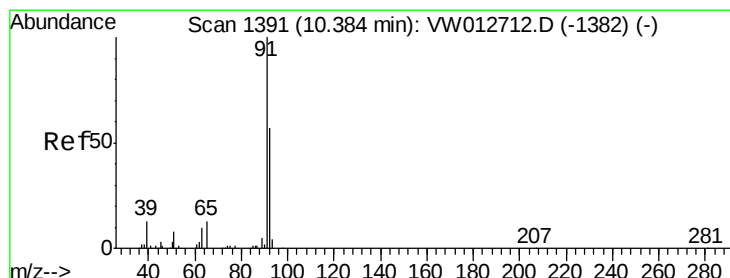
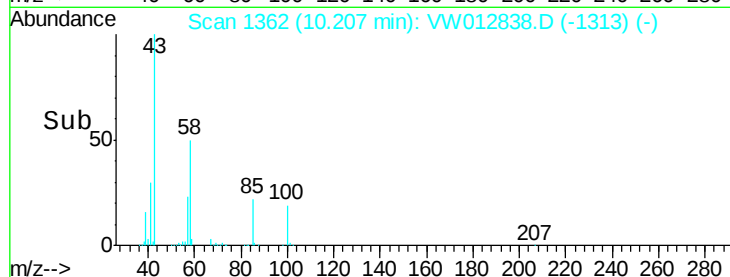
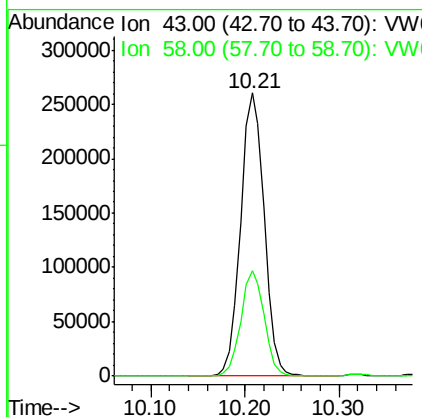
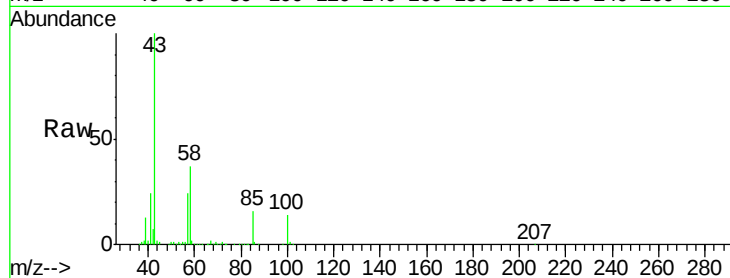
#51
4-Methyl-2-Pentanone
Concen: 293.537 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	28.4	42.6

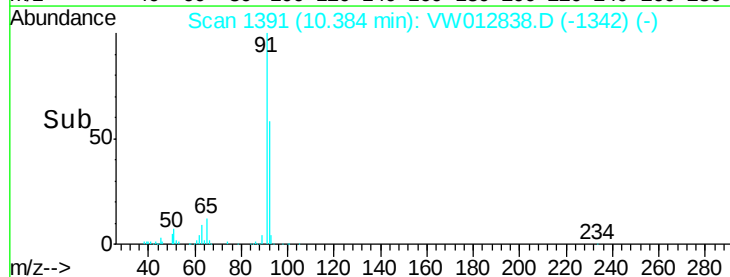
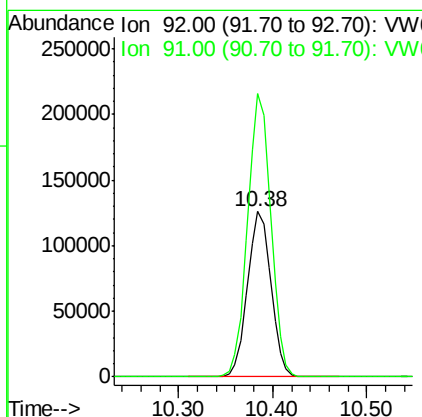
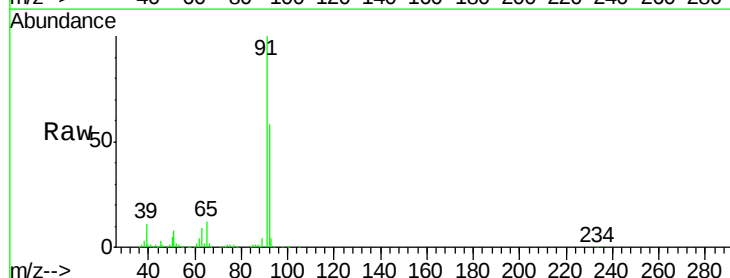
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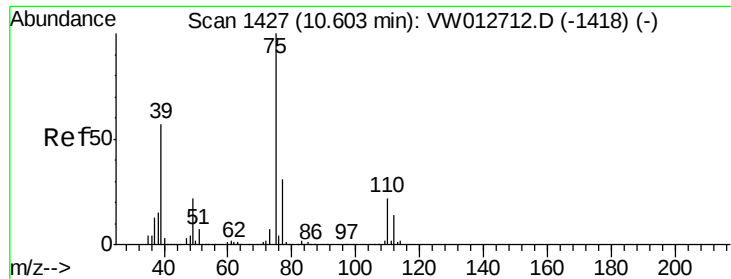
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#52
Toluene
Concen: 51.722 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.0	205.4





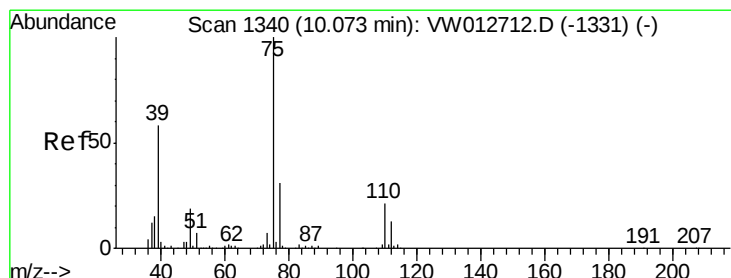
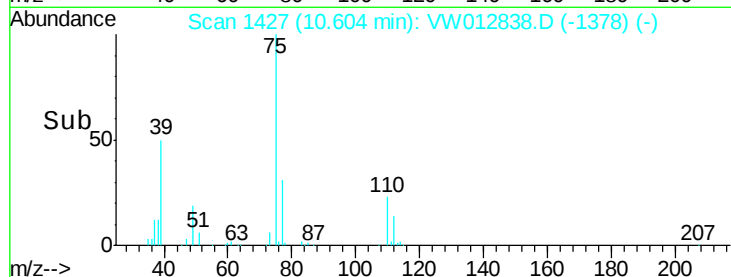
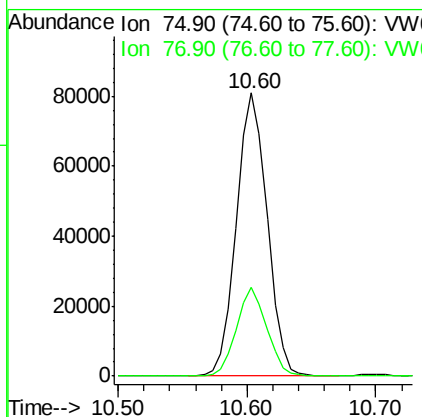
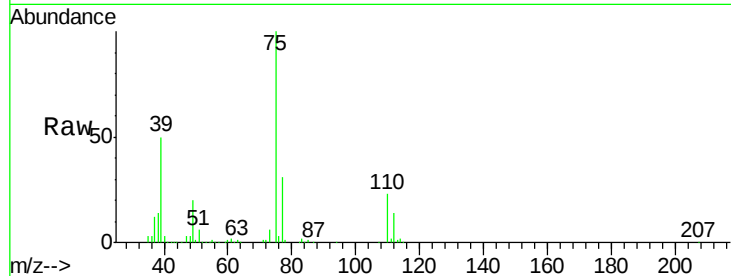
#53
t-1,3-Dichloropropene
Concen: 53.243 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.7	37.1

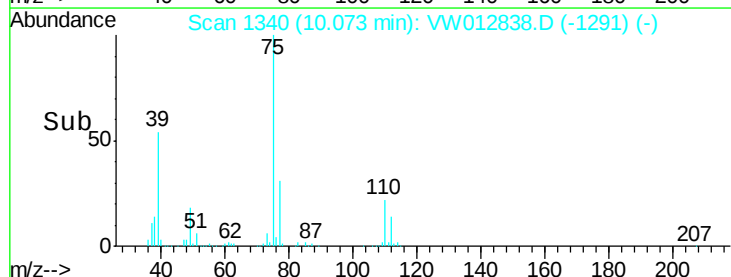
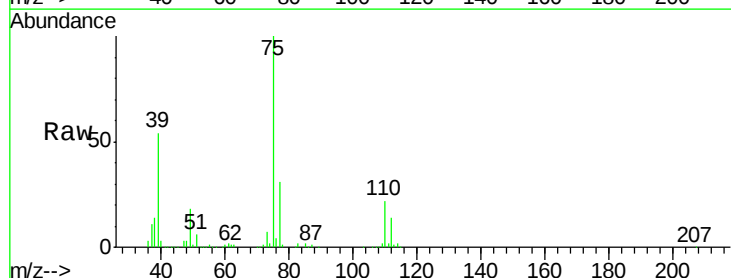
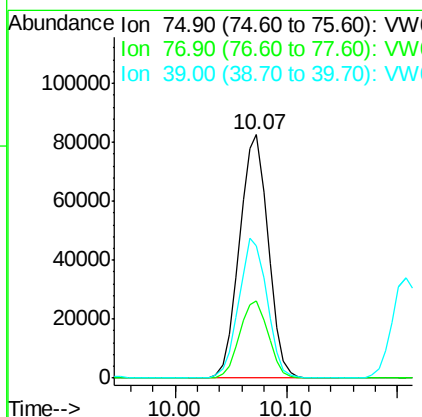
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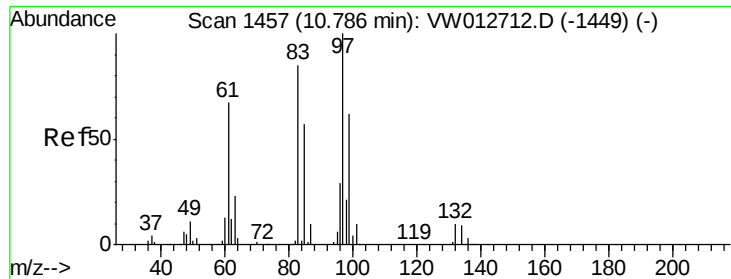
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#54
cis-1,3-Dichloropropene
Concen: 51.724 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	36.8
39	54.1	46.3	69.5





#55

1,1,2-Trichloroethane

Concen: 56.864 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

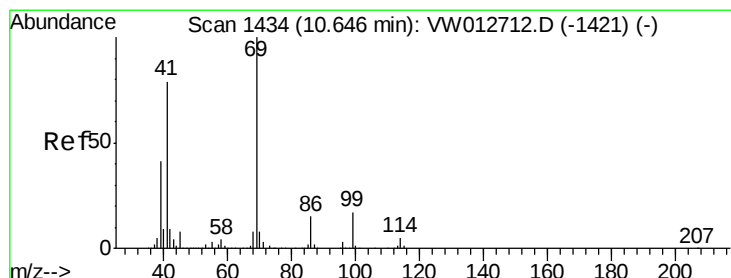
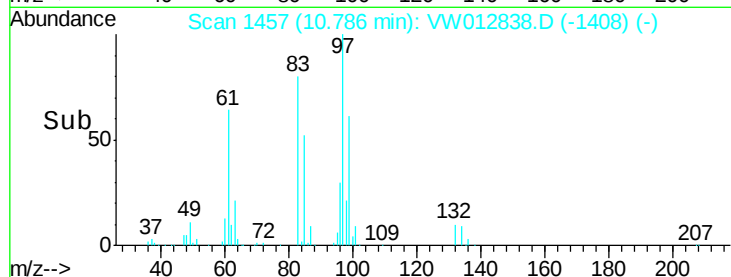
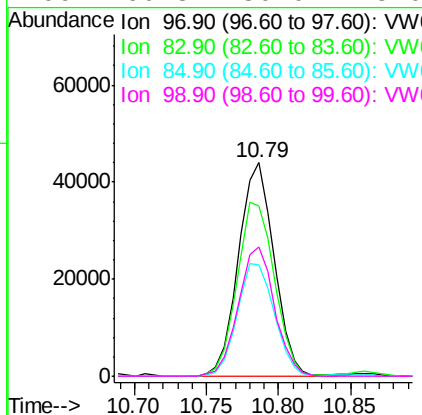
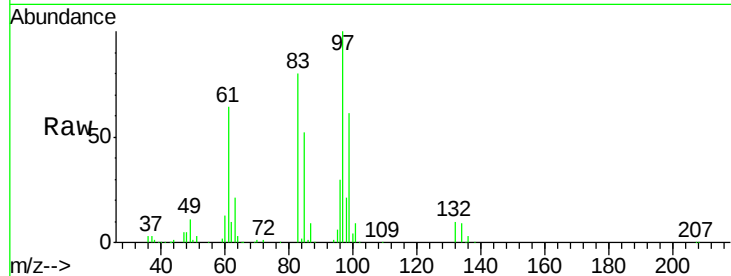
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	75691
Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.1	102.1
85	52.0	45.3	67.9
99	60.8	50.0	75.0

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#56

Ethyl methacrylate

Concen: 58.237 ug/l

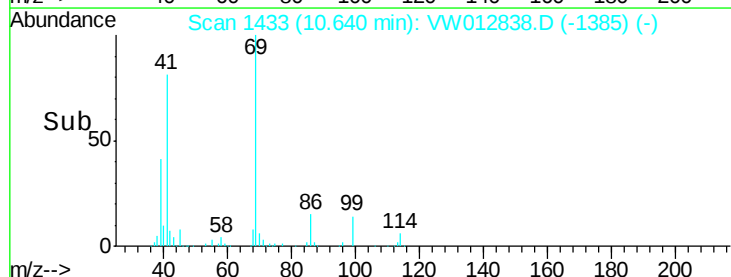
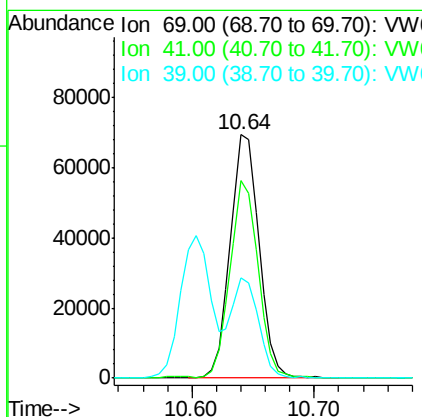
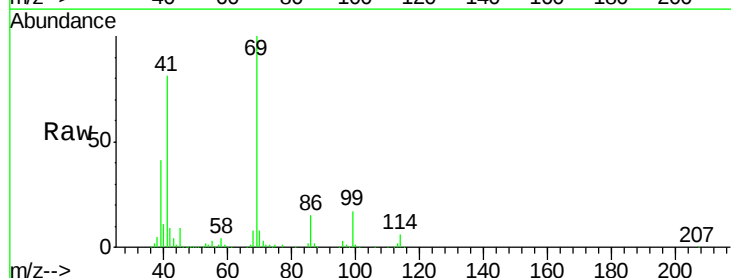
RT: 10.64 min Scan# 1433

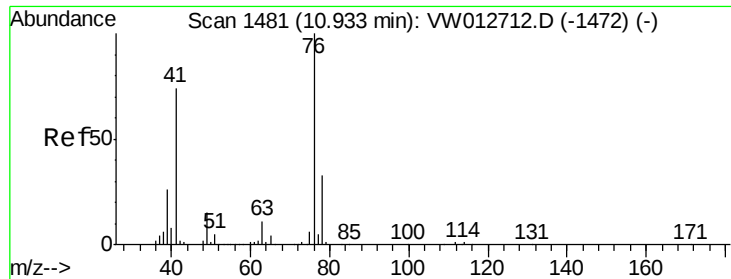
Delta R.T. -0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Tgt Ion:	69	Resp:	113473
Ion	Ratio	Lower	Upper
69	100		
41	78.0	64.4	96.6
39	39.9	31.1	46.7





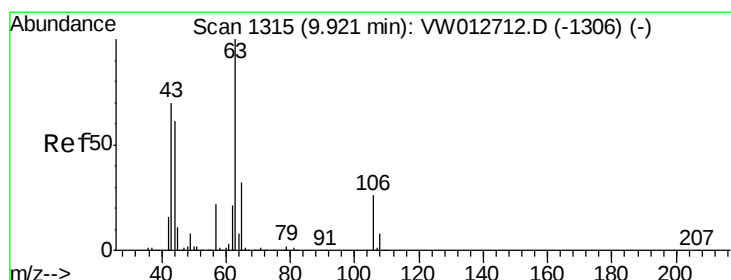
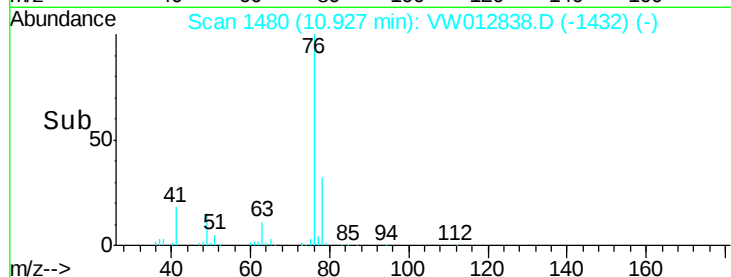
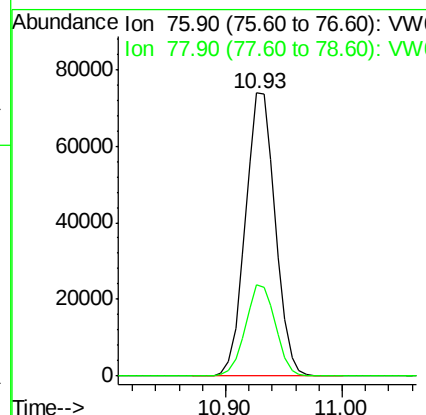
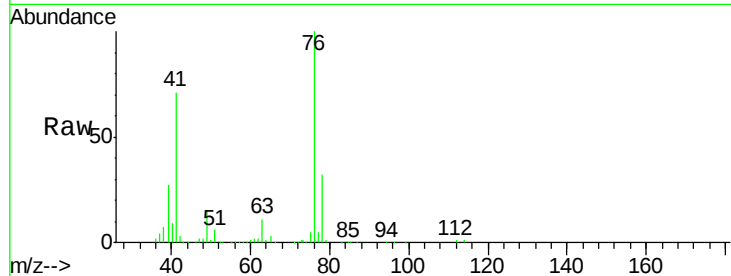
#57
 1,3-Dichloropropane
 Concen: 53.644 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 132100
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9

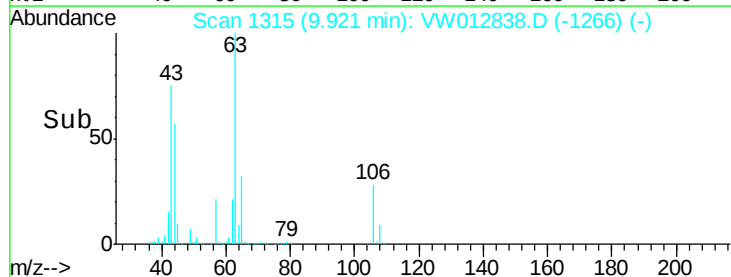
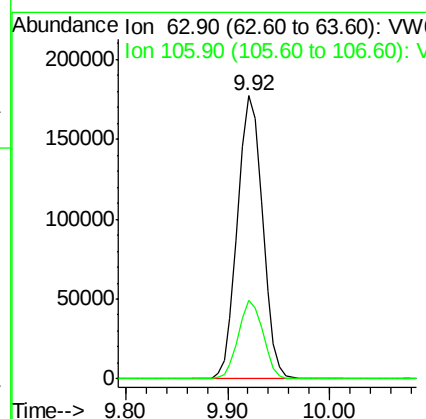
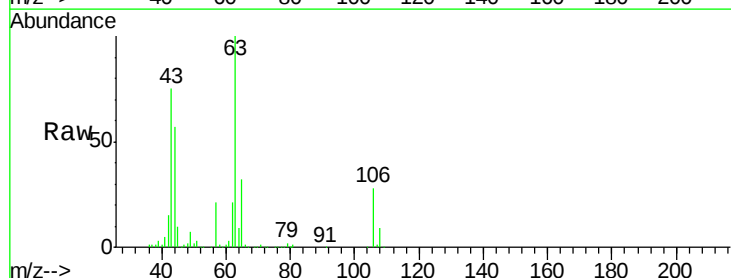
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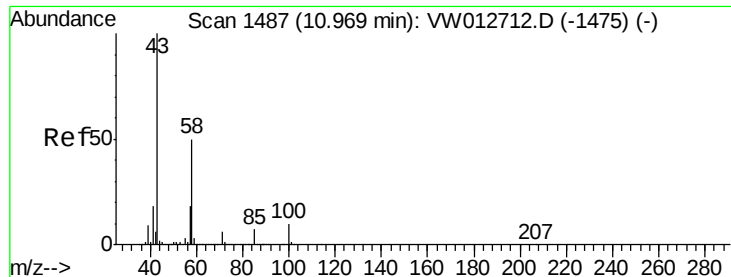
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#58
 2-Chloroethyl Vinyl ether
 Concen: 291.849 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Tgt Ion: 63 Resp: 301889
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.5 30.7





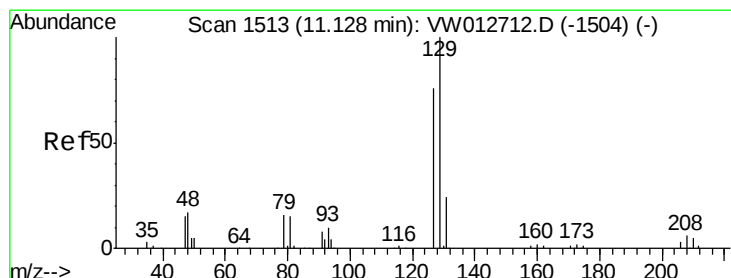
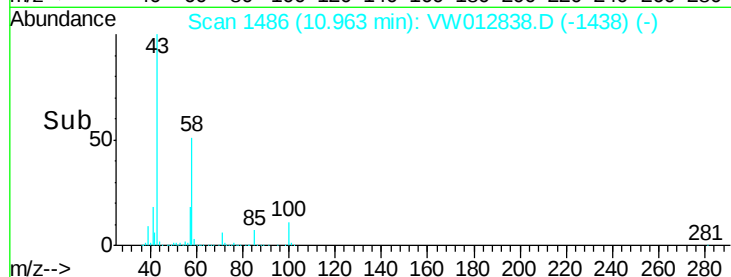
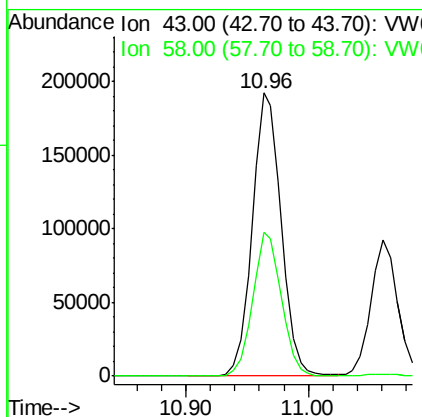
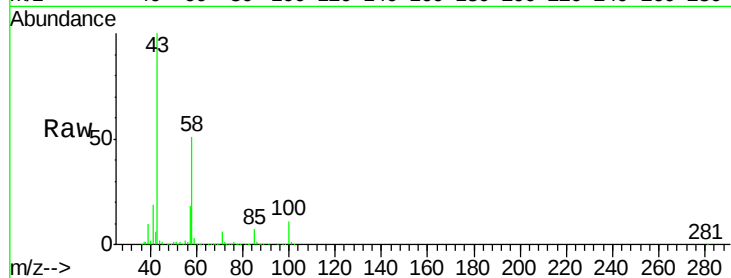
#59
2-Hexanone
Concen: 278.966 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 315141
Ion Ratio Lower Upper
43 100
58 50.5 24.7 74.1

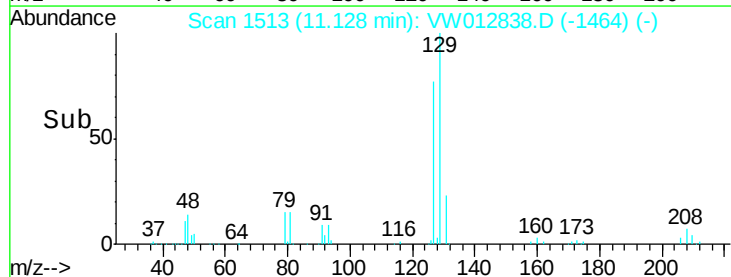
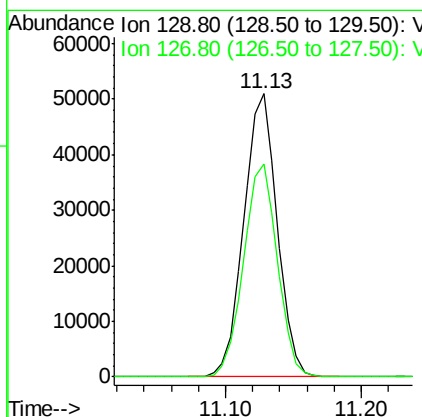
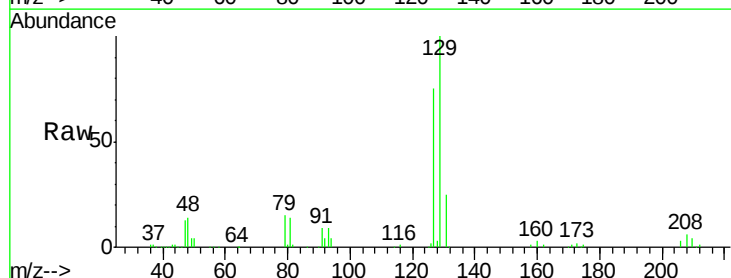
Manual Integrations
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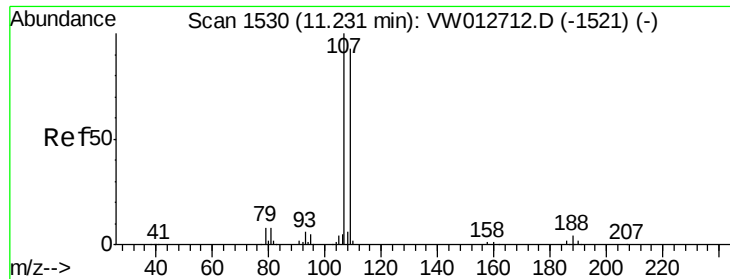
MMDadoda
9/11/2019 8:15:44 AM



#60
Dibromochloromethane
Concen: 56.034 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion: 129 Resp: 87720
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8





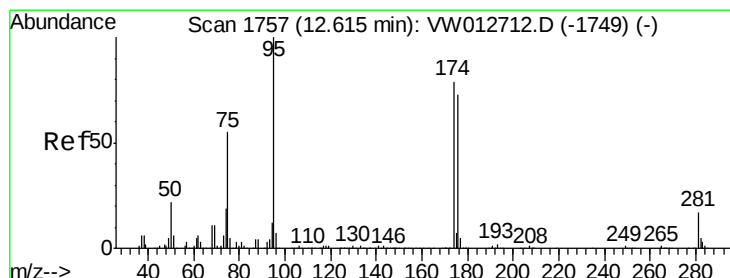
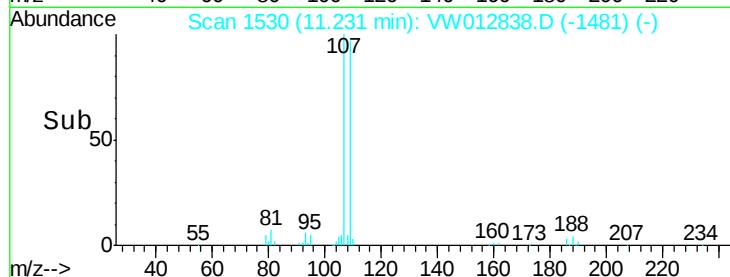
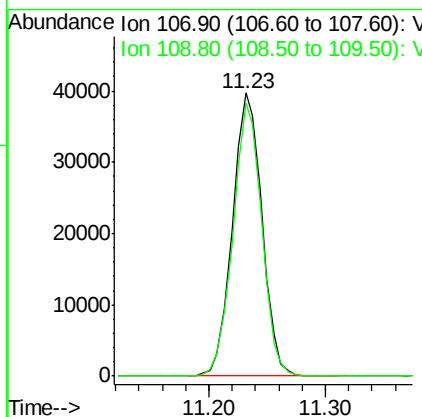
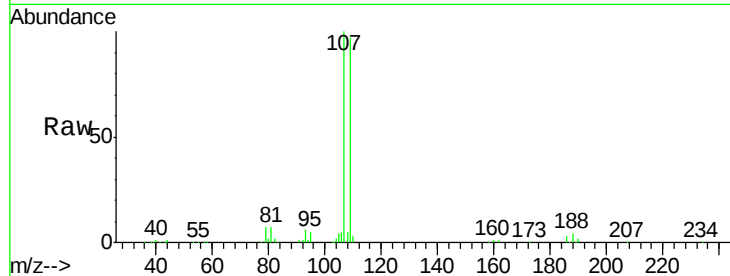
#61
 1,2-Dibromoethane
 Concen: 57.252 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.0	112.6

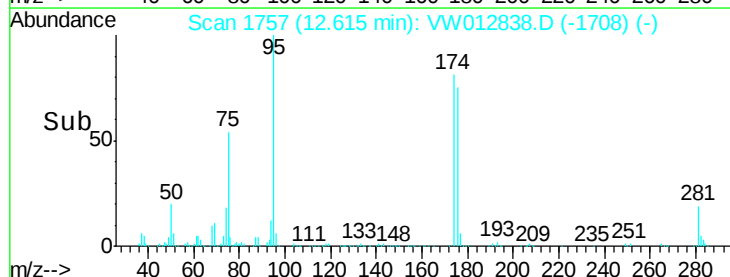
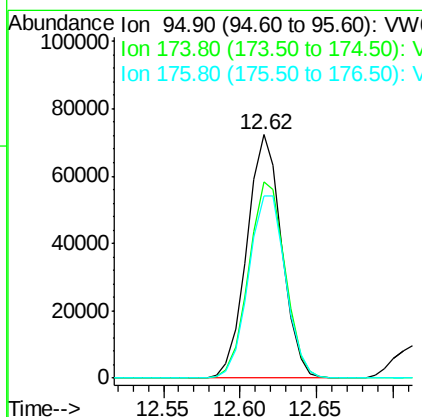
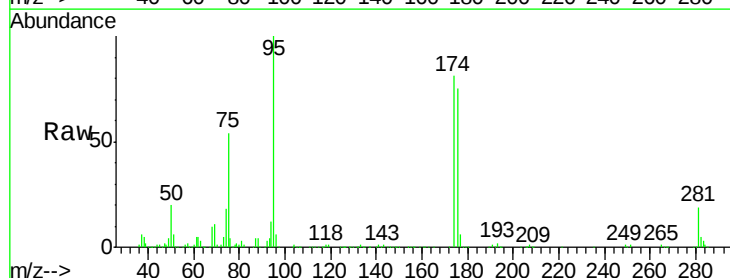
Manual Integrations
 APPROVED

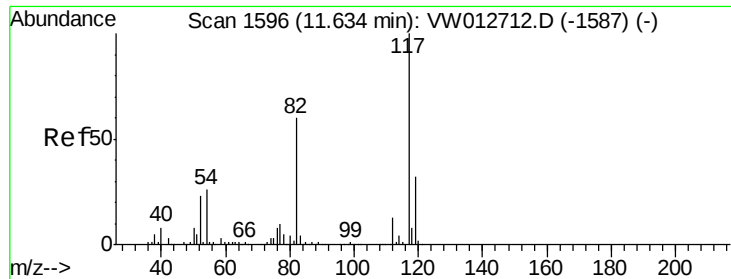
MMDadoda
 9/11/2019 8:15:44 AM



#62
 4-Bromofluorobenzene
 Concen: 49.234 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	161.0
176	80.2	0.0	156.4





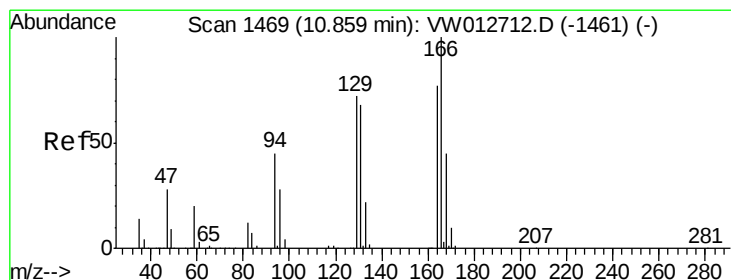
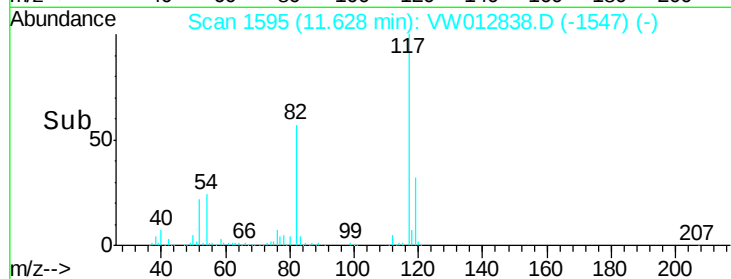
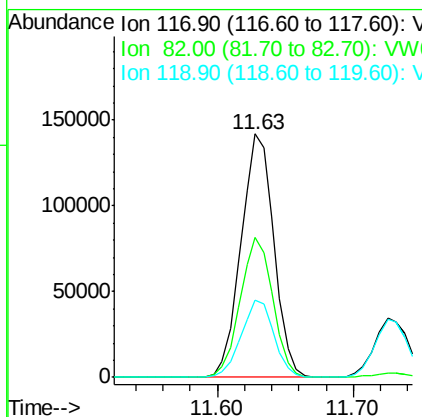
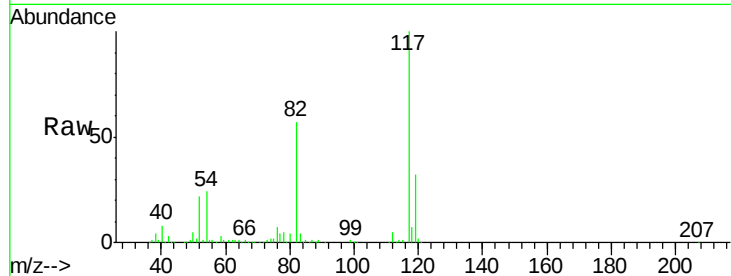
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240011		
82	57.5	48.2	72.4	
119	32.0	25.8	38.6	

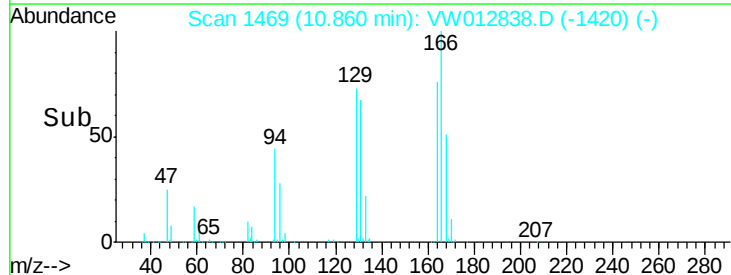
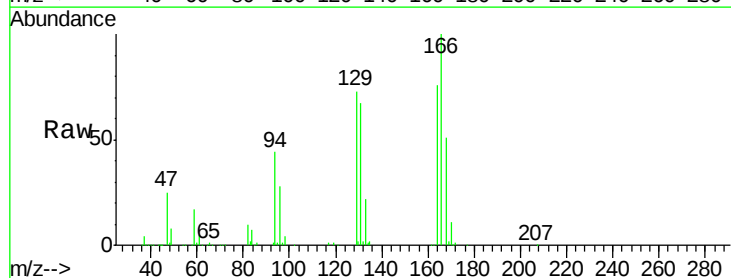
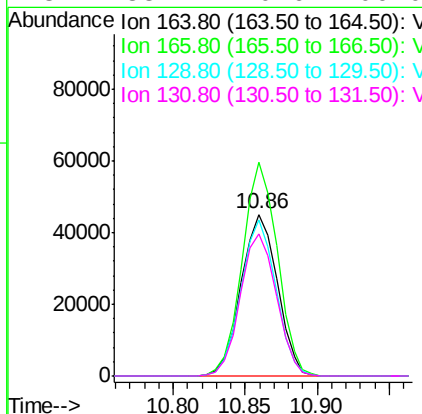
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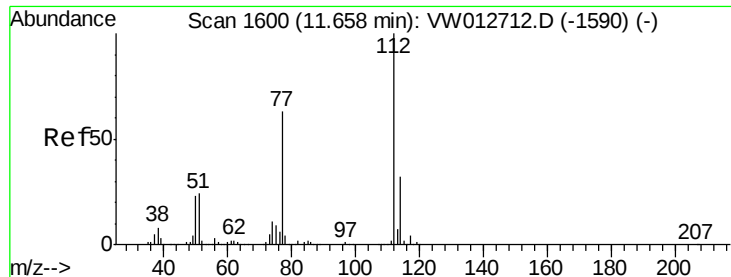
MMDadoda
9/11/2019 8:15:44 AM



#64
Tetrachloroethene
Concen: 53.988 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78625		
166	132.3	103.6	155.4	
129	96.7	74.6	112.0	
131	88.4	70.6	106.0	





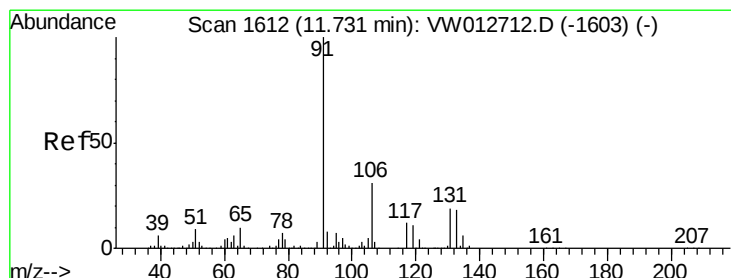
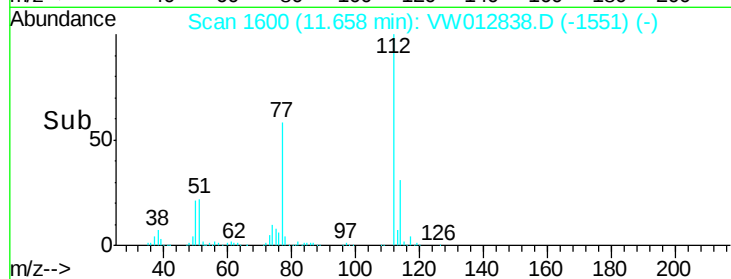
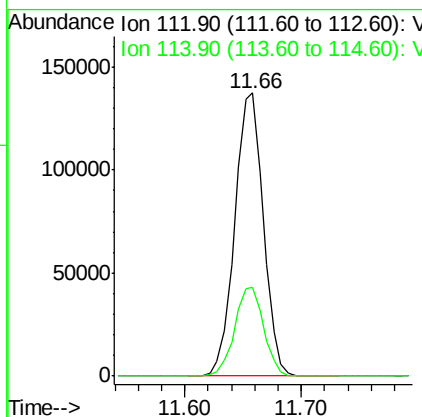
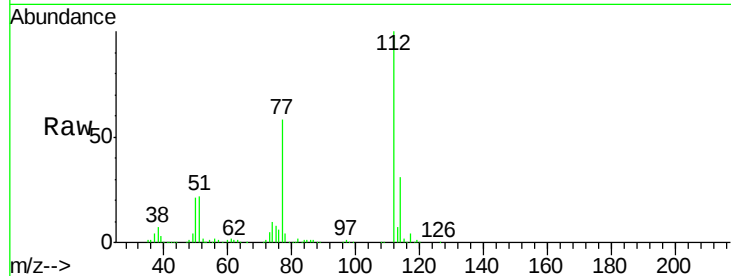
#65
Chlorobenzene
Concen: 51.721 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.3	37.9

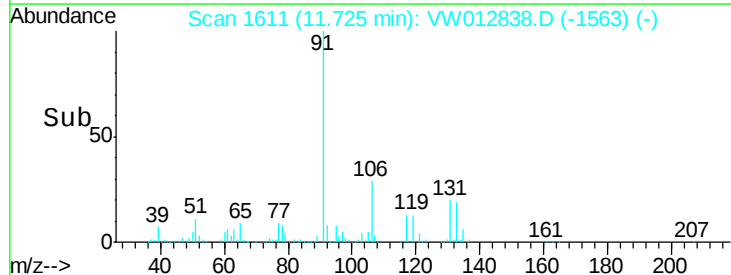
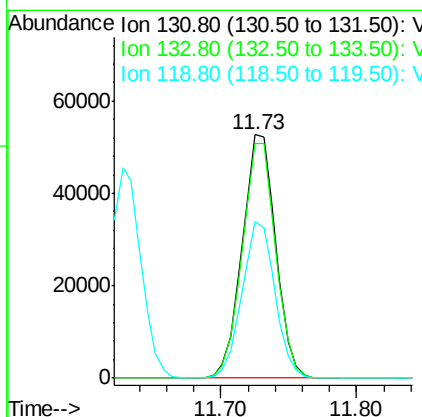
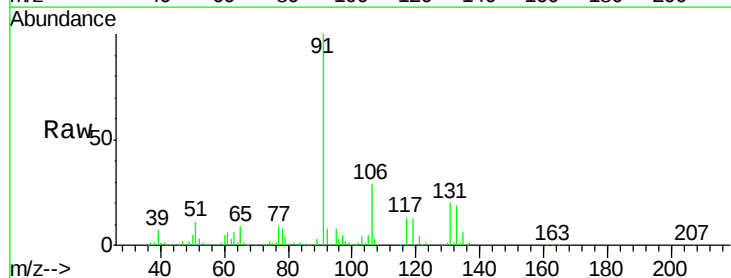
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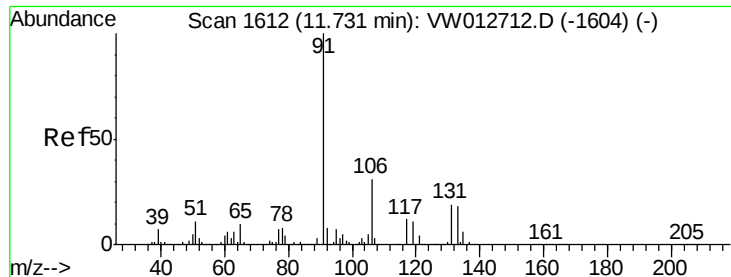
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.749 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.6	142.8
119	63.2	30.6	92.0





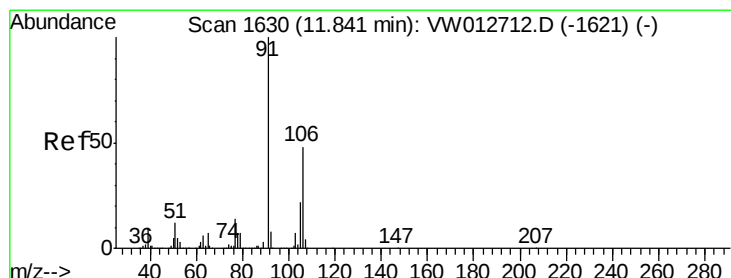
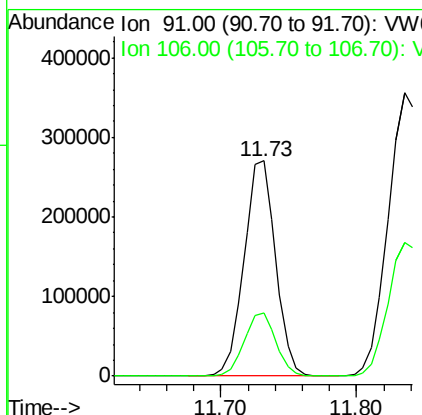
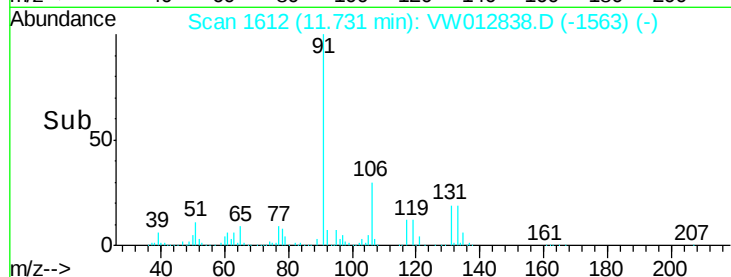
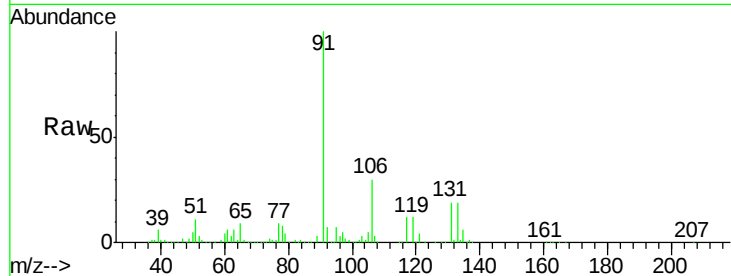
#67
Ethyl Benzene
Concen: 51.638 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 439501
Ion Ratio Lower Upper
91 100
106 29.6 24.4 36.6

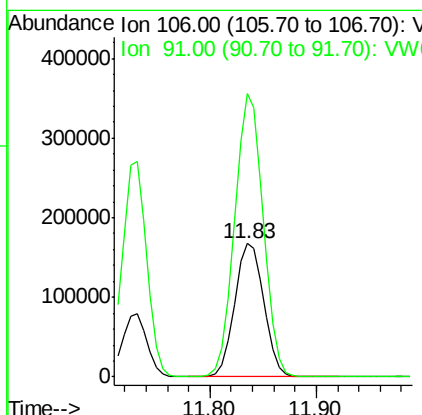
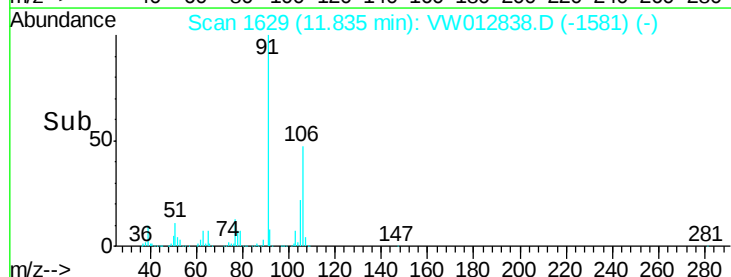
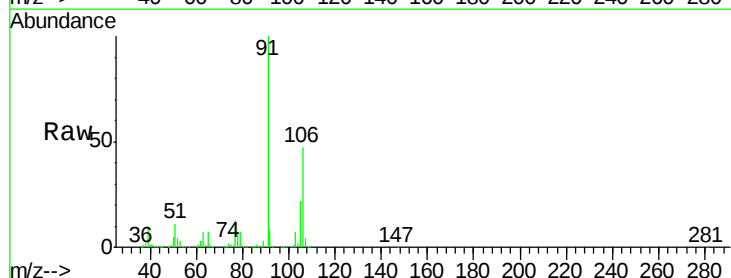
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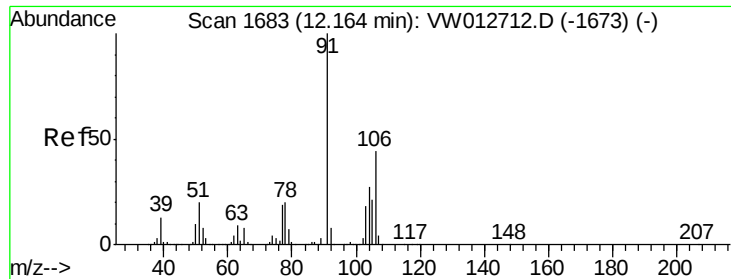
MMDadoda
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#68
m/p-Xylenes
Concen: 104.737 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion: 106 Resp: 321768
Ion Ratio Lower Upper
106 100
91 207.4 168.2 252.4





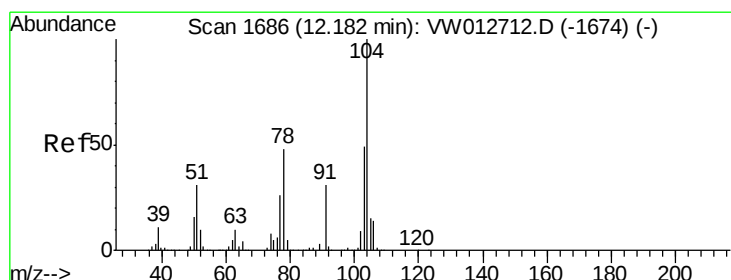
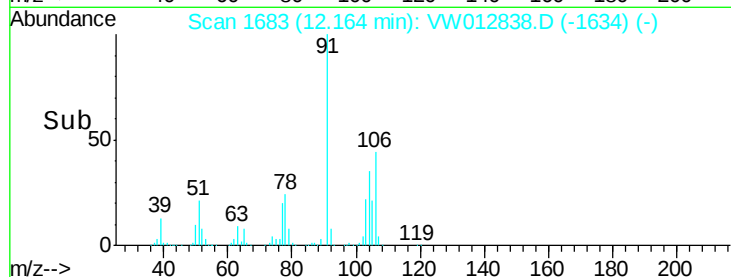
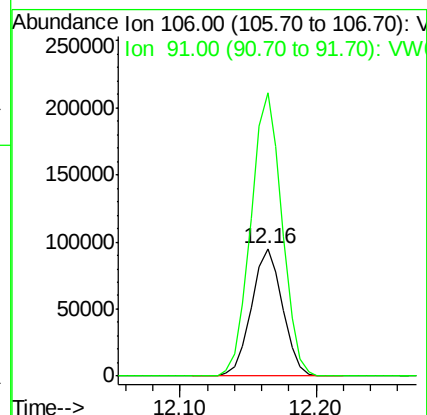
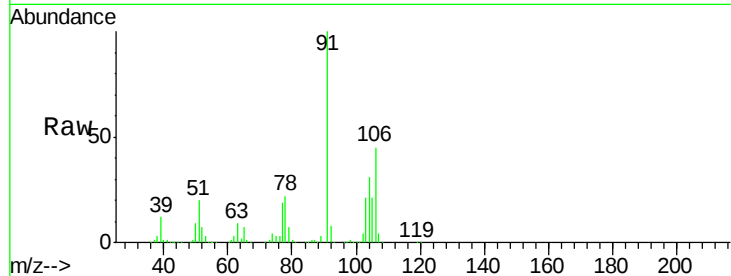
#69
o-Xylene
Concen: 52.488 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.9	112.3	336.8

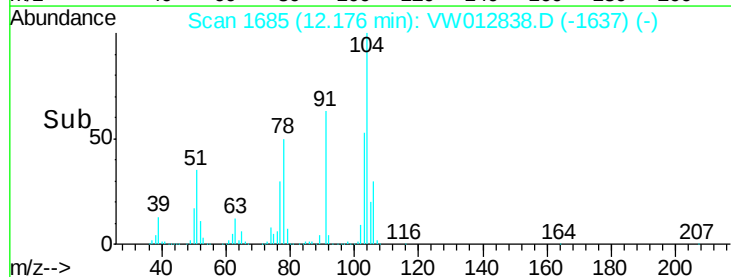
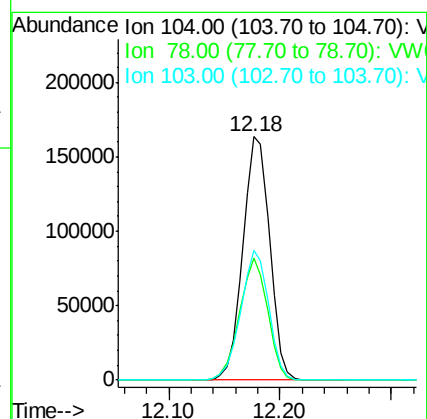
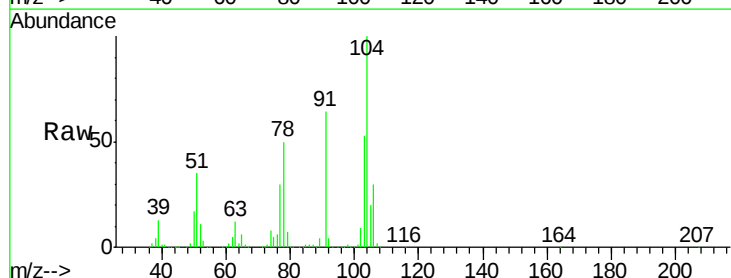
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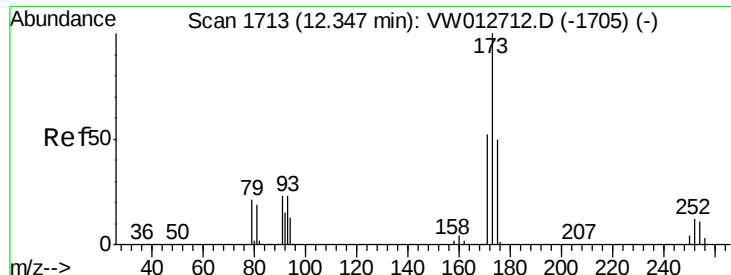
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#70
Styrene
Concen: 53.259 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.3	43.3	64.9
103	55.3	44.0	66.0





#71

Bromoform

Concen: 59.423 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 55773

Ion Ratio Lower Upper

173 100

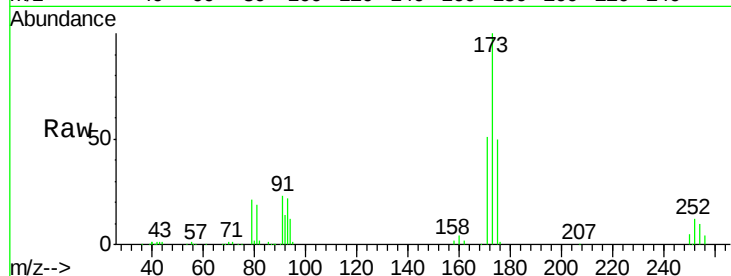
175 48.7 24.8 74.3

254 0.1 0.1 0.1#

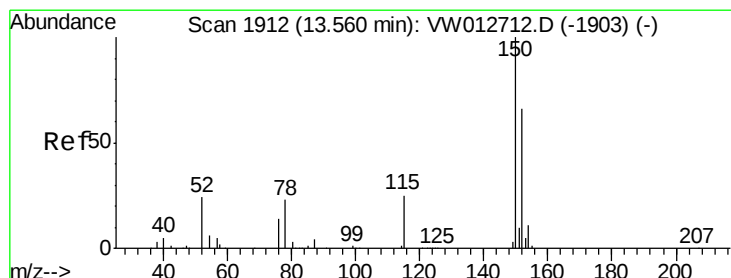
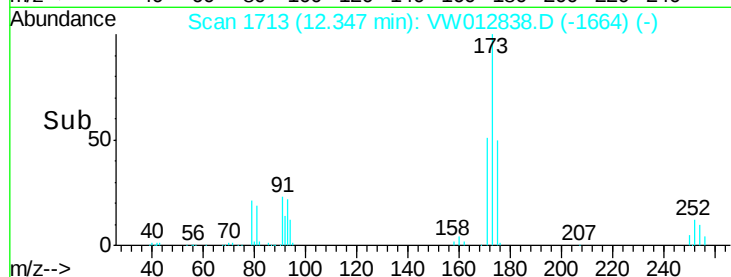
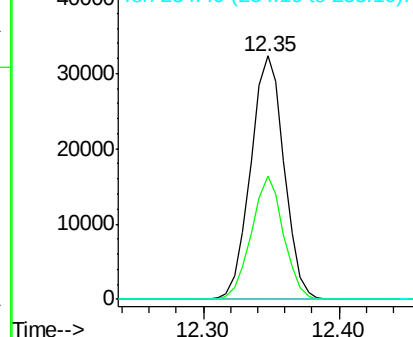
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

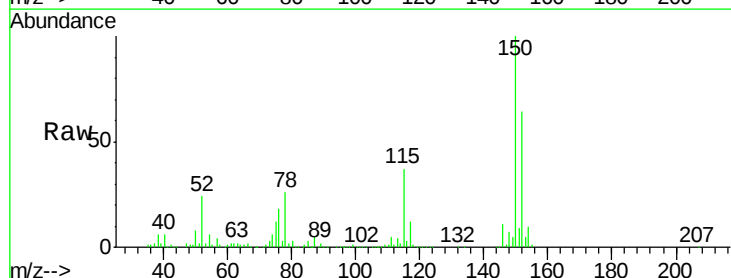
Tgt Ion:152 Resp: 119186

Ion Ratio Lower Upper

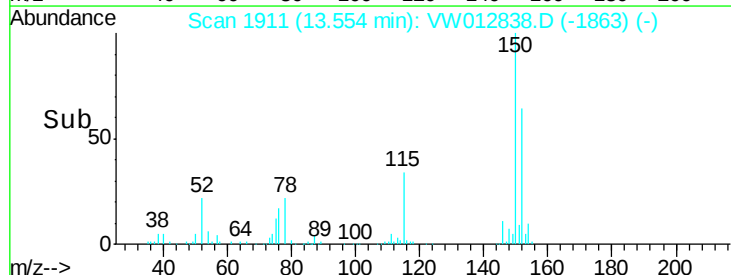
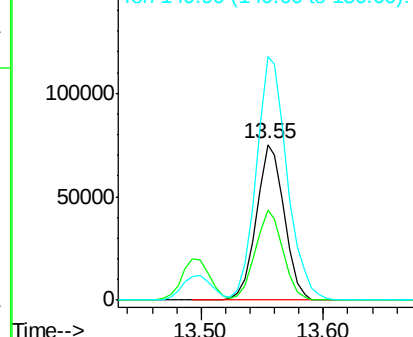
152 100

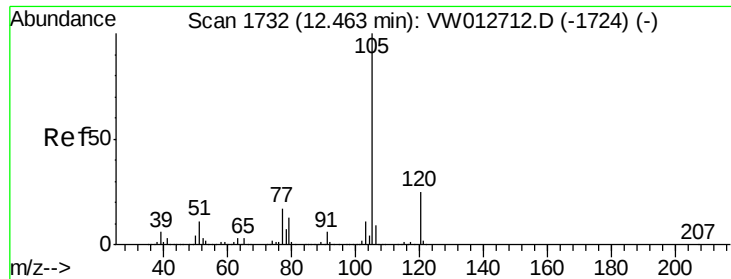
115 57.4 30.0 90.1

150 173.0 0.0 349.0



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





#73

Isopropylbenzene

Concen: 52.103 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 445391

Ion Ratio Lower Upper

105 100

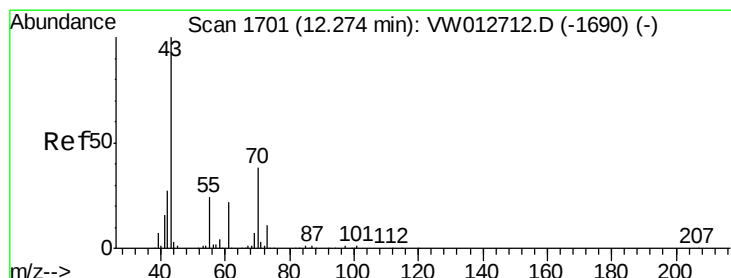
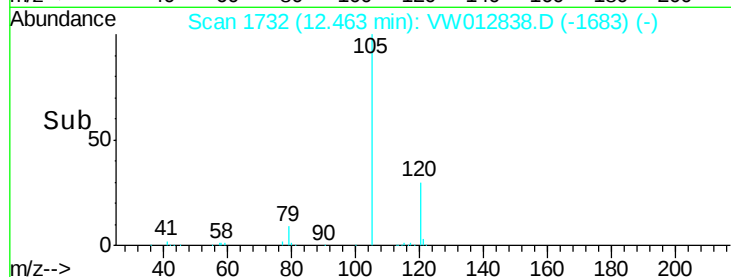
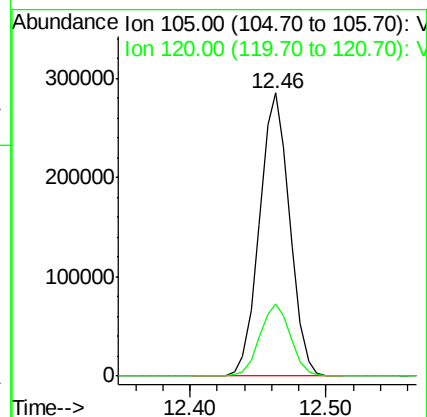
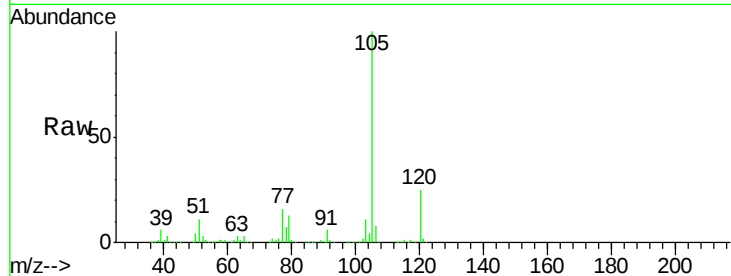
120 25.9 13.0 38.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.739 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Tgt Ion: 43 Resp: 151242

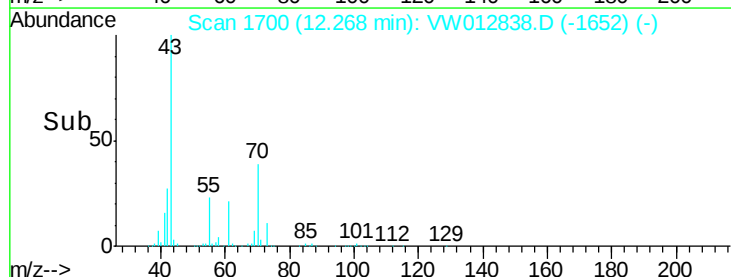
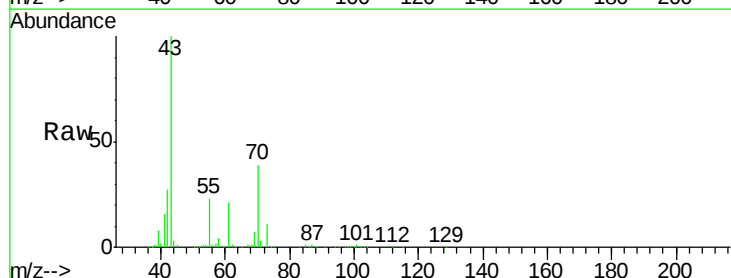
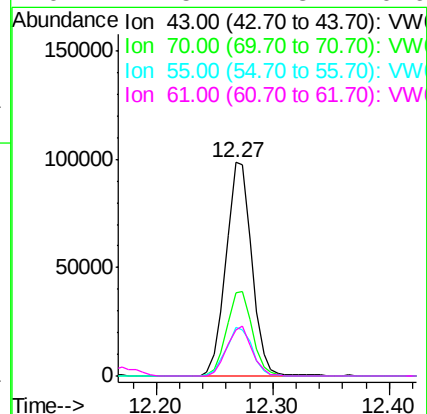
Ion Ratio Lower Upper

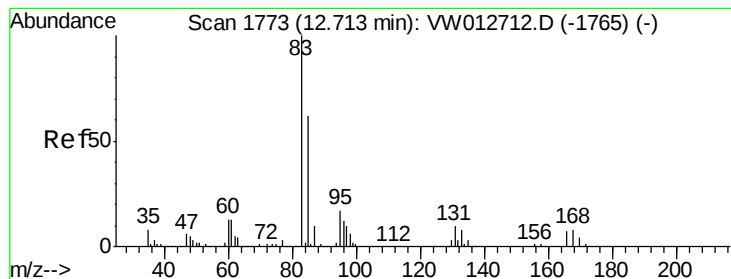
43 100

70 39.4 29.4 44.0

55 23.4 18.6 27.8

61 22.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.772 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

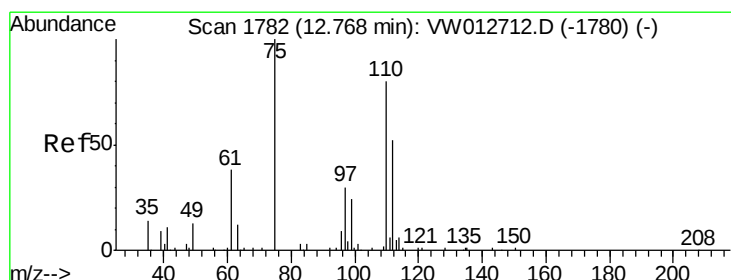
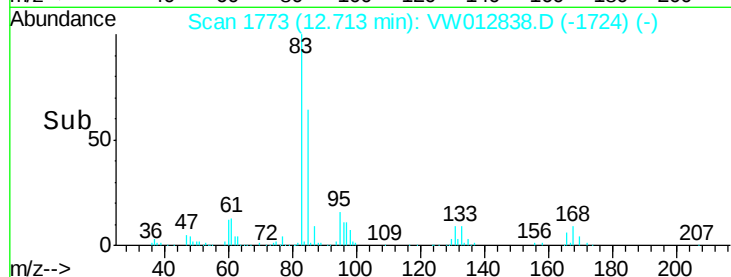
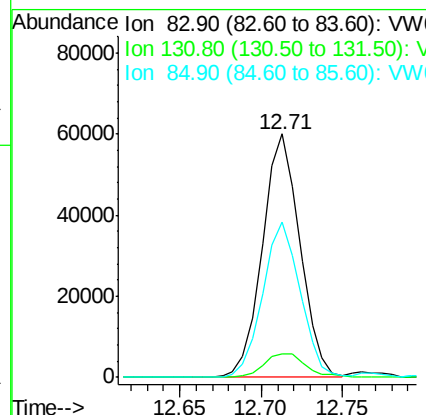
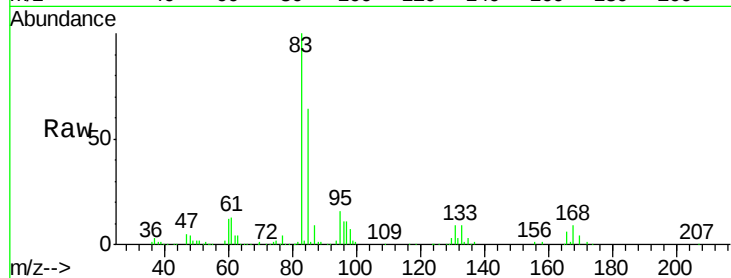
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	95747
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.4
85	63.8	31.4	94.2

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#76

1,2,3-Trichloropropane

Concen: 50.517 ug/l m

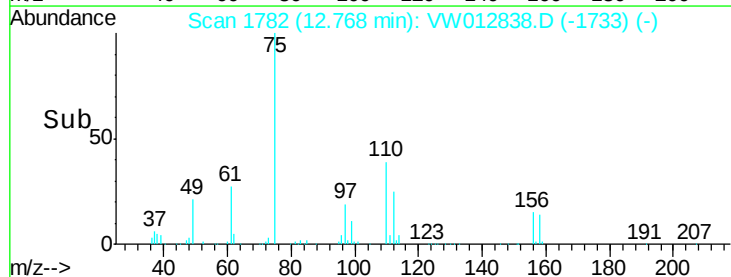
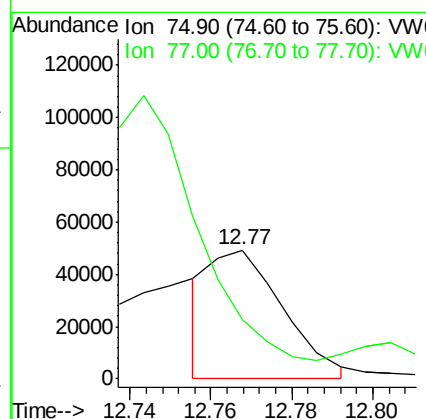
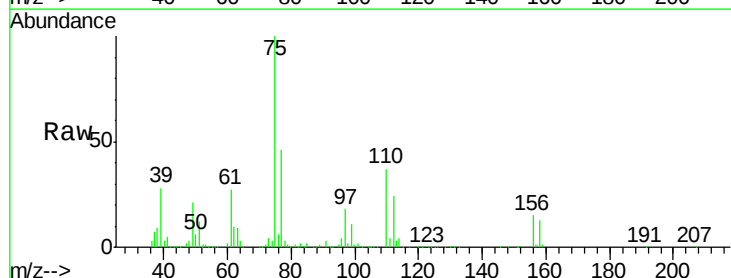
RT: 12.77 min Scan# 1782

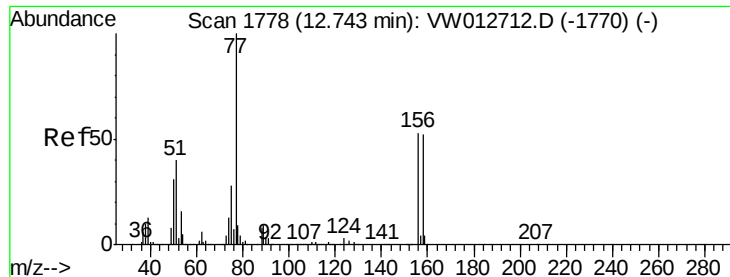
Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Tgt Ion:	75	Resp:	61566
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.556 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012838.D

Acq: 09 Sep 2019 22:53

Instrument :

MSVOA_W

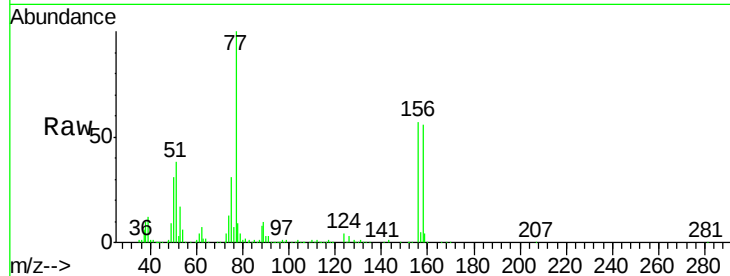
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	103723
Ion Ratio	Lower	Upper	
156	100		
77	196.5	102.3	306.9
158	97.0	48.9	146.8

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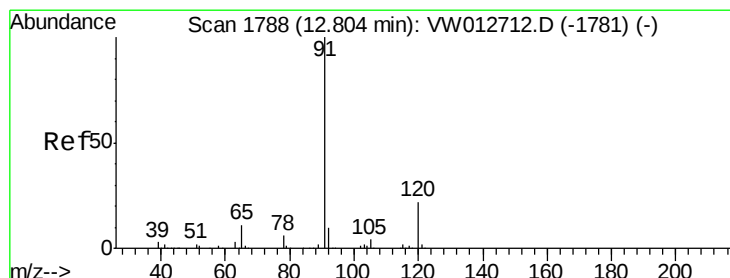
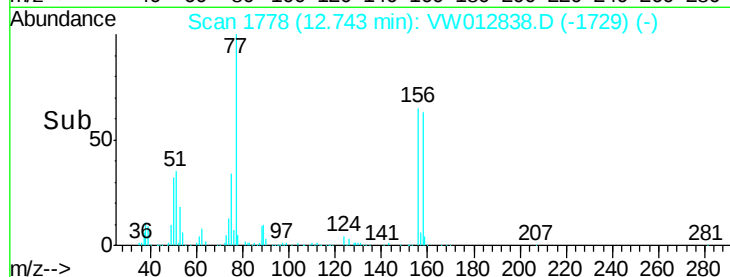
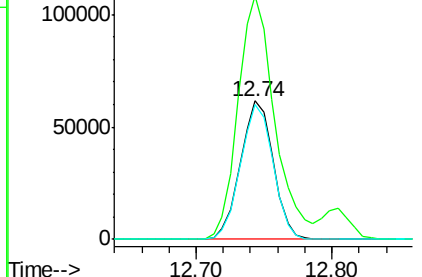
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.952 ug/l

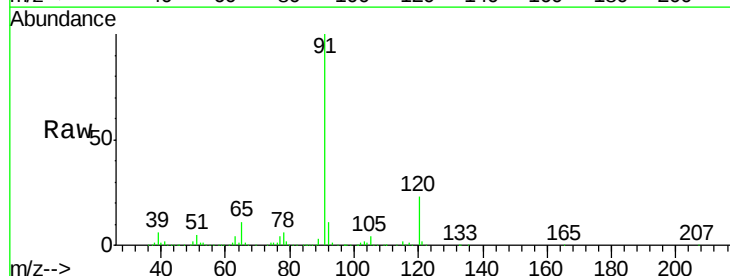
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012838.D

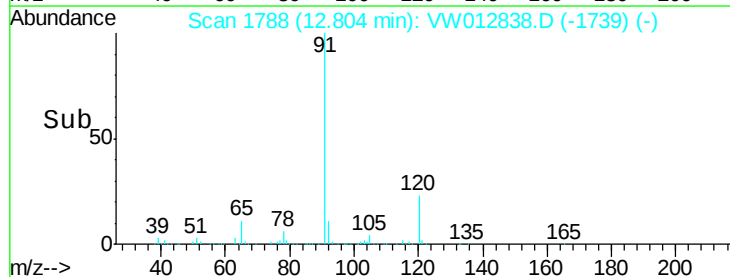
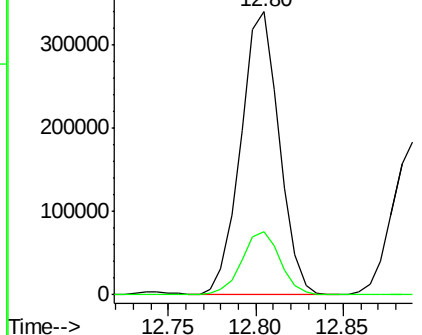
Acq: 09 Sep 2019 22:53

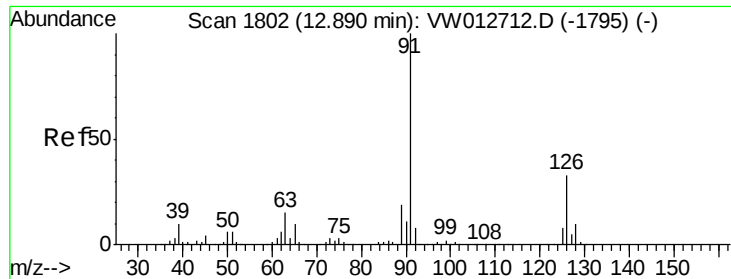
Tgt Ion:	91	Resp:	520919
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





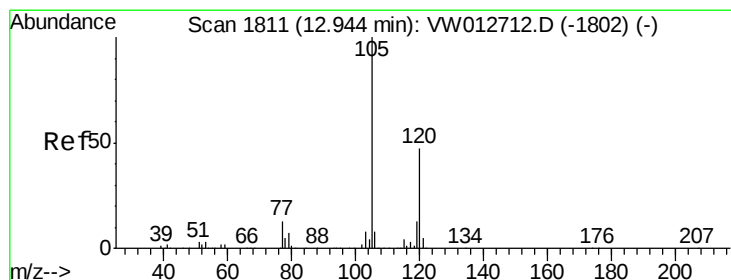
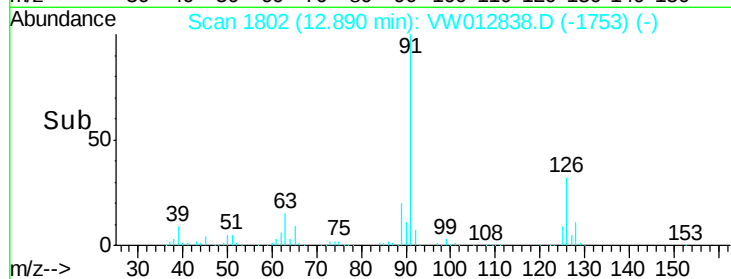
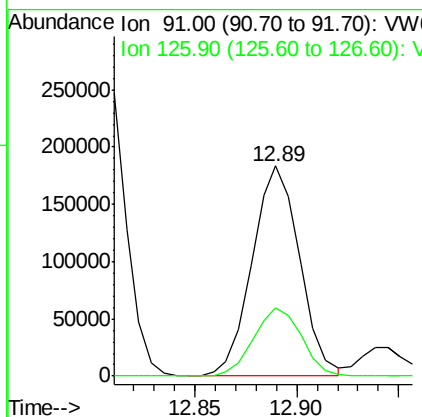
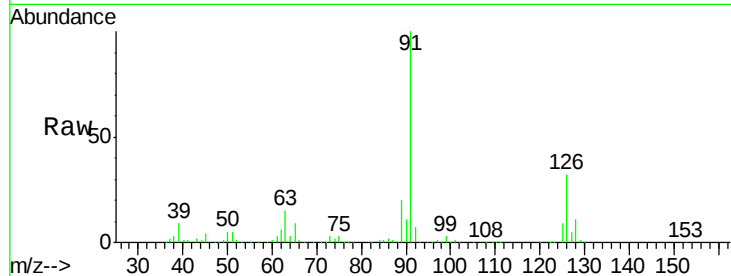
#79
2-Chlorotoluene
Concen: 50.397 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 295789
Ion Ratio Lower Upper
91 100
126 33.0 16.1 48.3

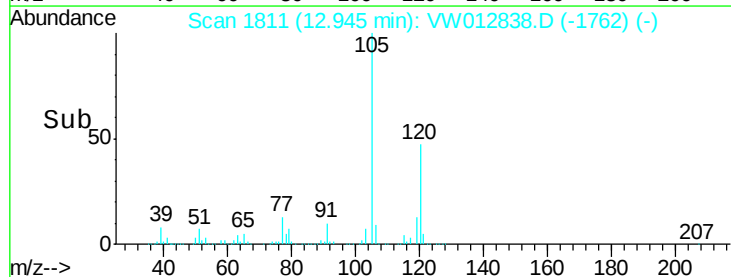
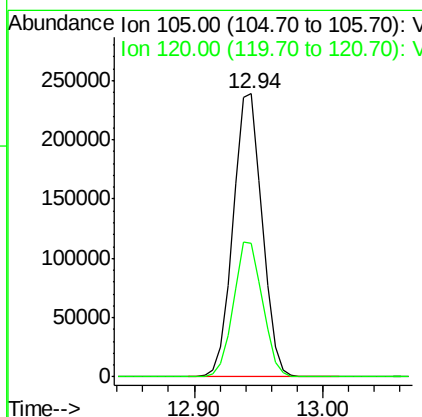
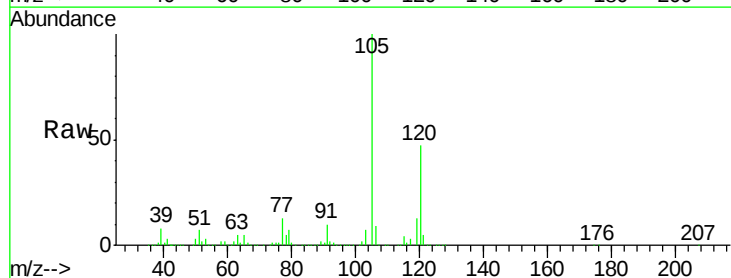
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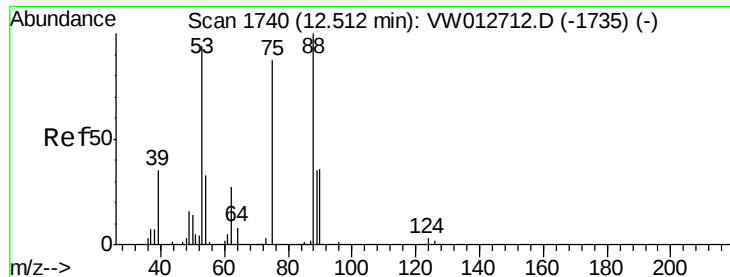
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#80
1,3,5-Trimethylbenzene
Concen: 51.993 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion:105 Resp: 374516
Ion Ratio Lower Upper
105 100
120 47.9 23.9 71.8





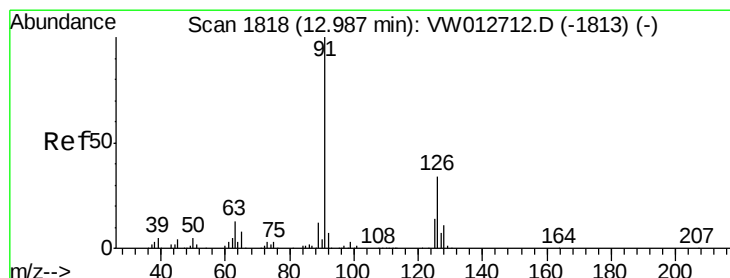
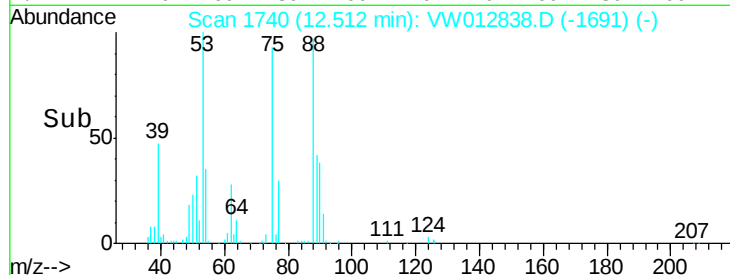
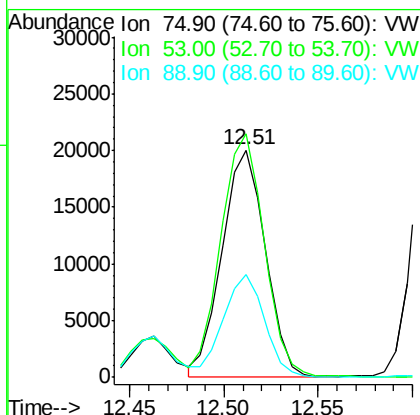
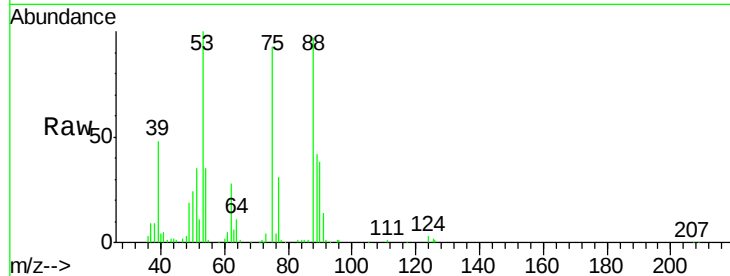
#81
trans-1,4-Dichloro-2-butene
Concen: 55.738 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.7	87.6	131.4
89	43.5	35.5	53.3

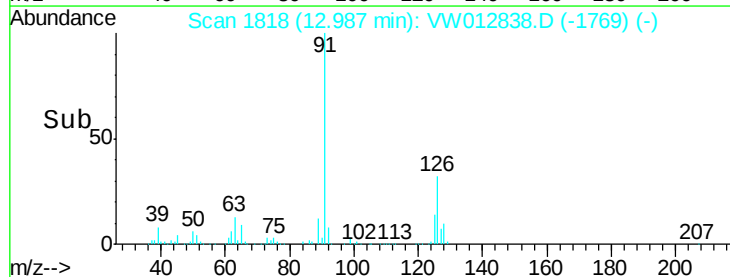
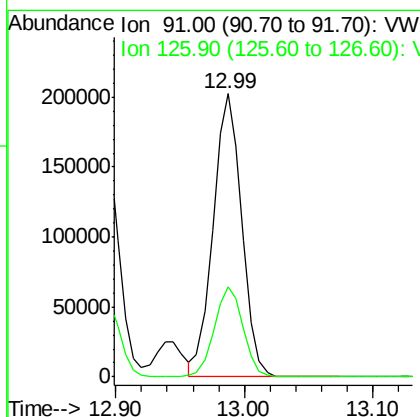
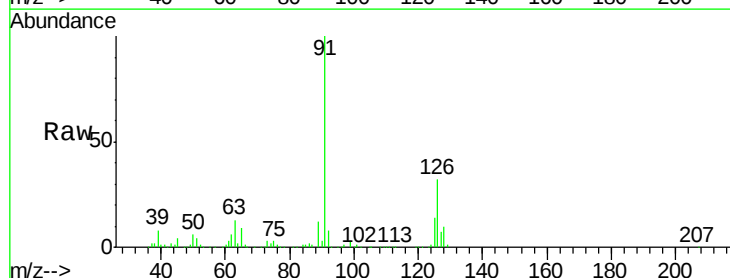
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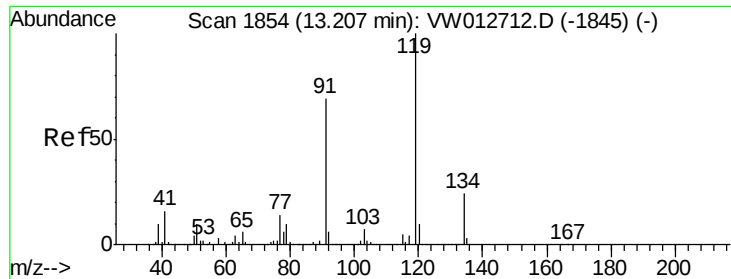
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#82
4-Chlorotoluene
Concen: 50.666 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.9	47.6





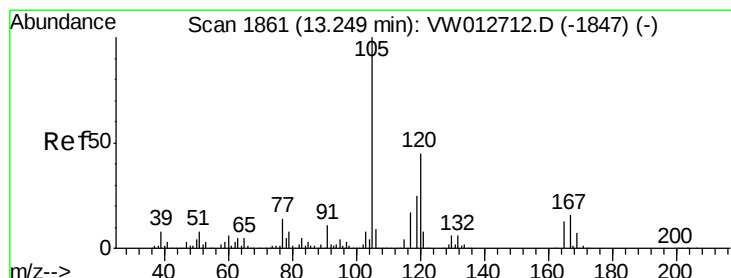
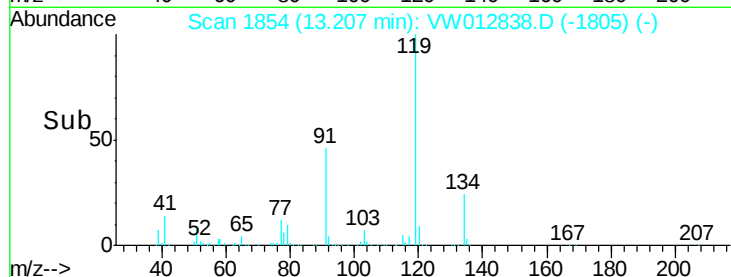
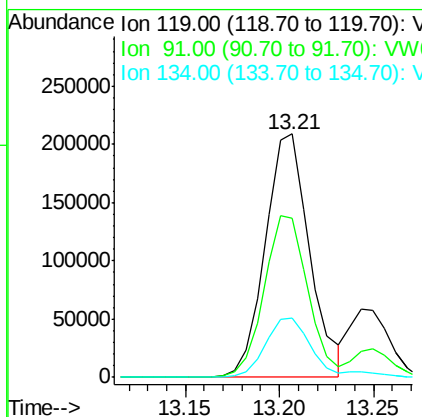
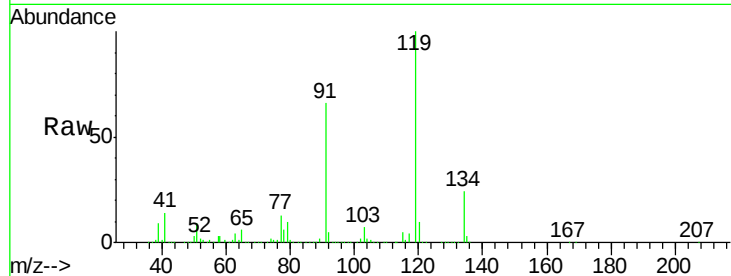
#83
 tert-Butylbenzene
 Concen: 53.596 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	34.2	102.5
134	26.2	12.3	36.9

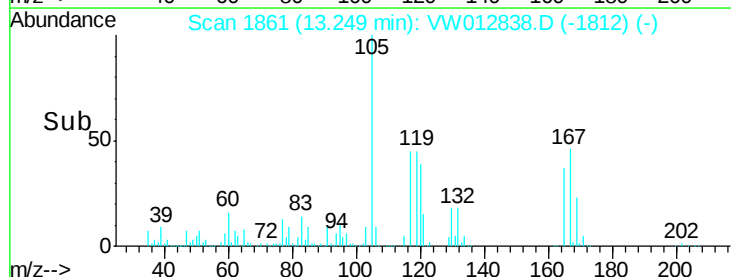
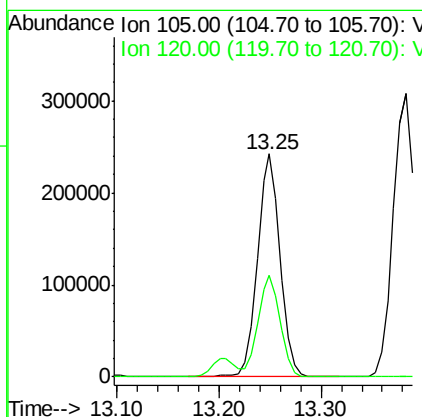
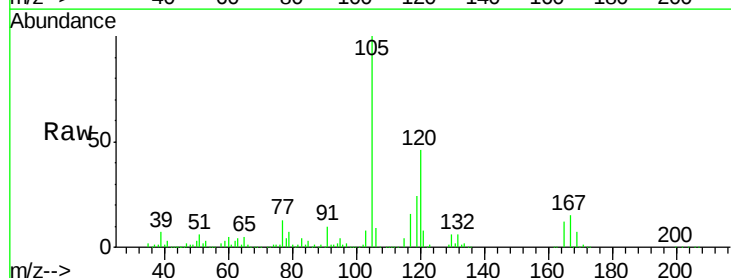
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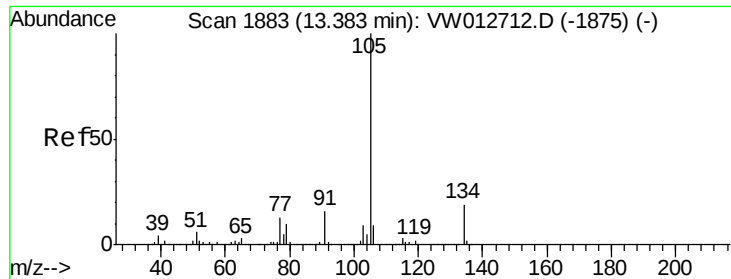
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.541 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.1	66.3





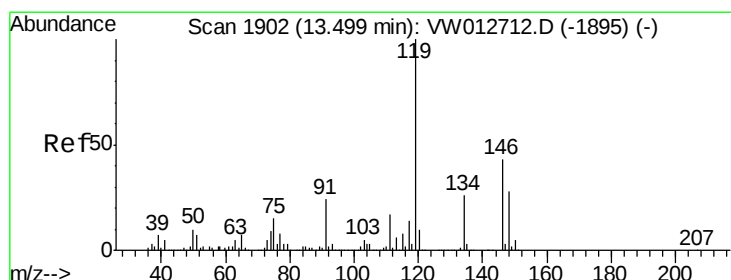
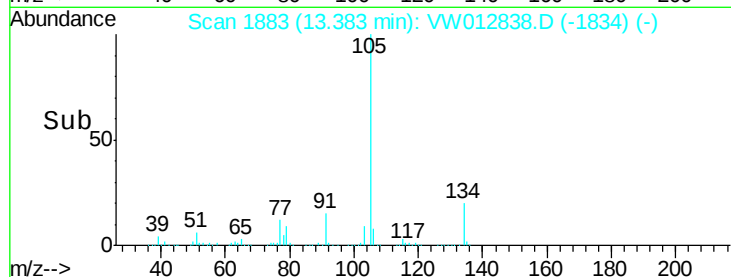
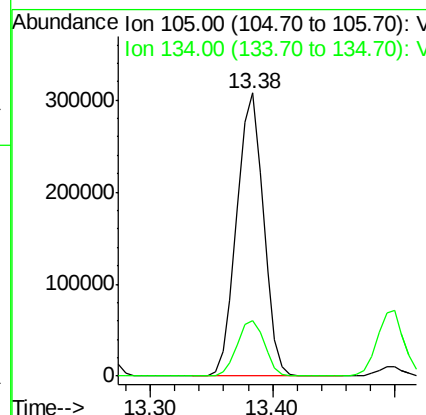
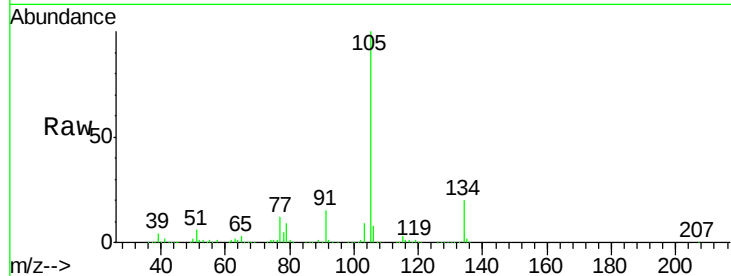
#85
 sec-Butylbenzene
 Concen: 52.502 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	464018		
134	20.3	9.8	29.3	

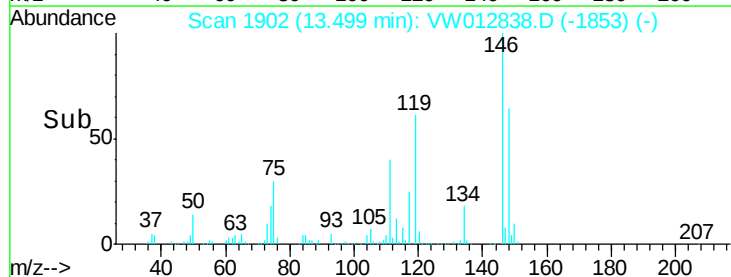
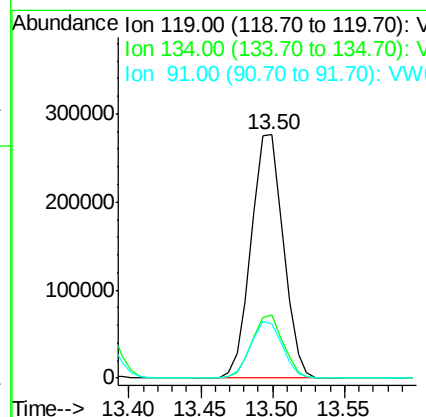
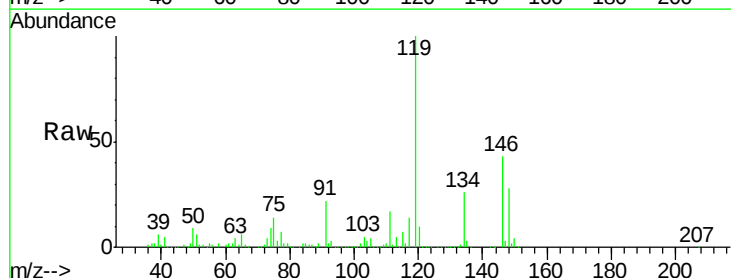
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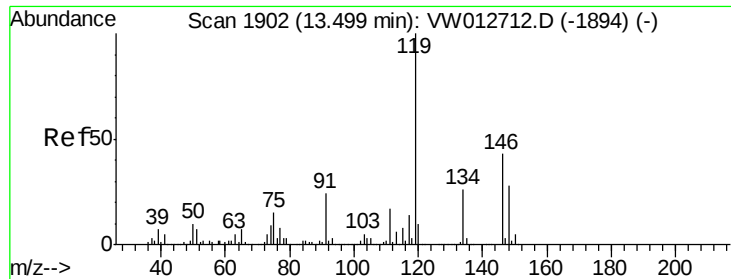
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#86
 p-Isopropyltoluene
 Concen: 52.748 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	425827		
134	25.5	12.7	38.1	
91	23.1	12.2	36.6	





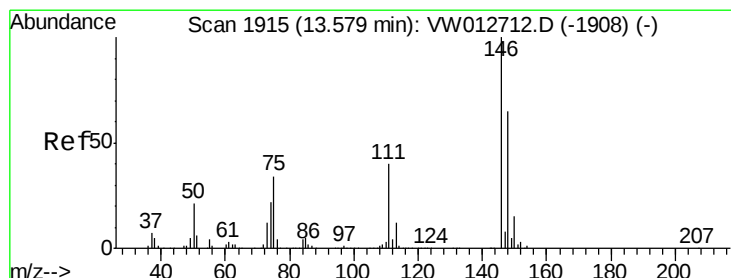
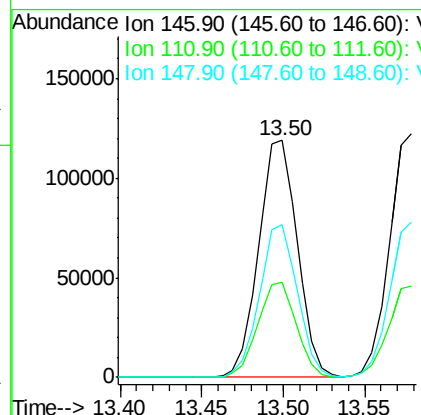
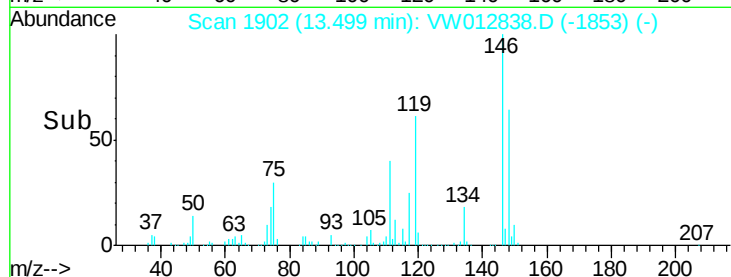
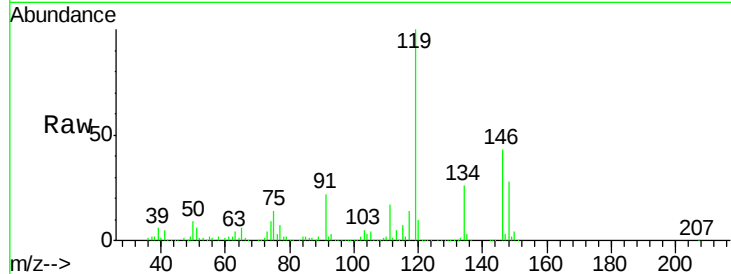
#87
 1,3-Dichlorobenzene
 Concen: 51.762 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	197043		
111	40.0		20.4	61.2
148	63.1		31.8	95.4

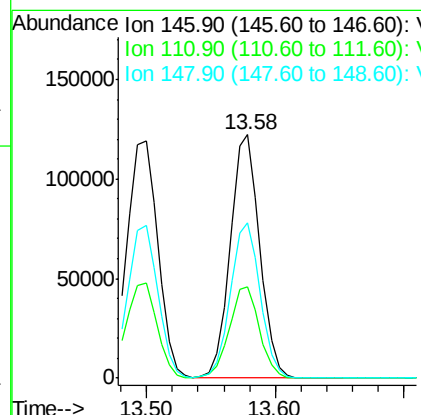
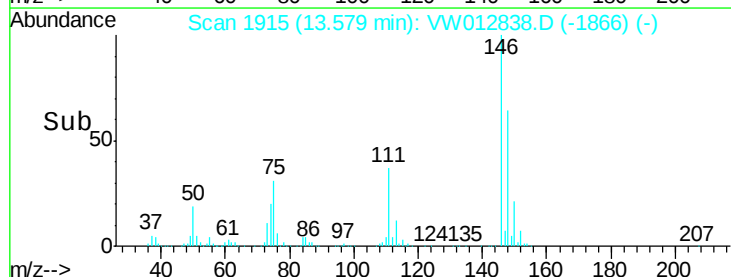
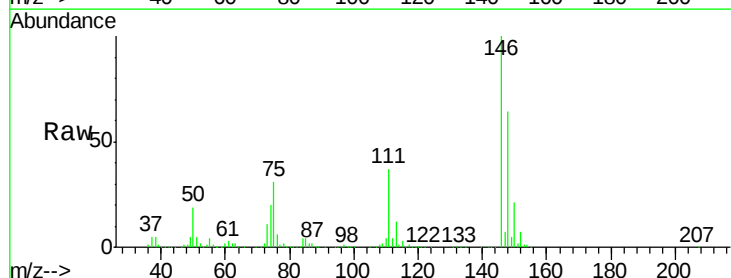
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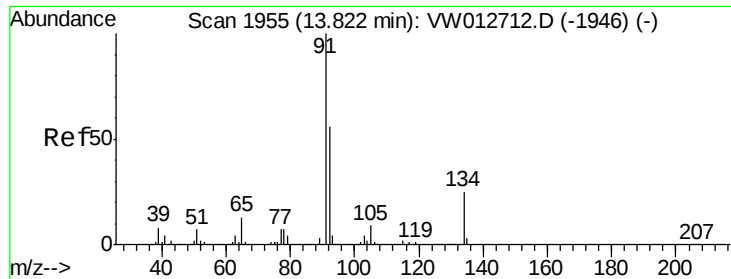
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#88
 1,4-Dichlorobenzene
 Concen: 51.701 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	195839		
111	38.2		20.0	60.0
148	64.3		32.2	96.6





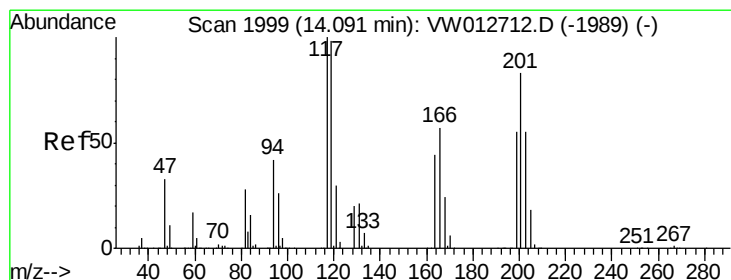
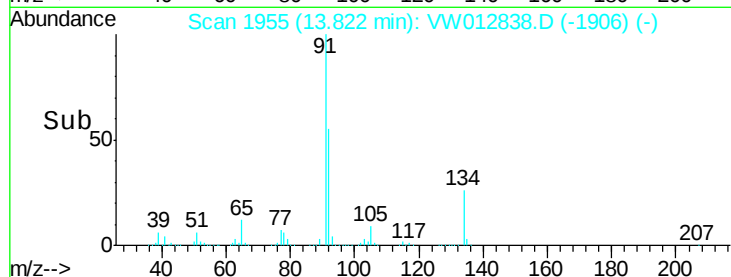
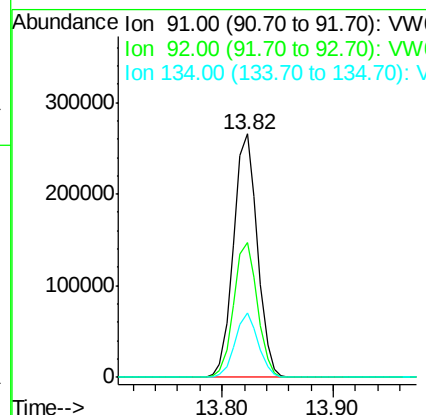
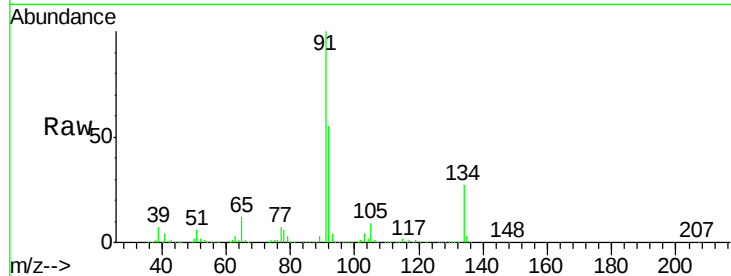
#89
n-Butylbenzene
Concen: 50.125 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	392847		
92	55.0		27.2	81.5
134	25.5		12.7	38.1

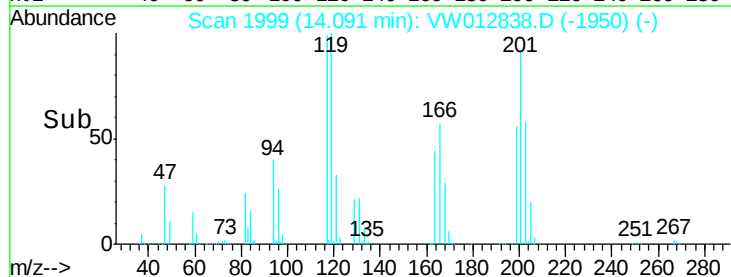
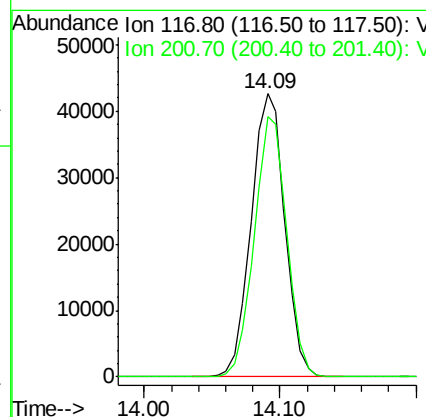
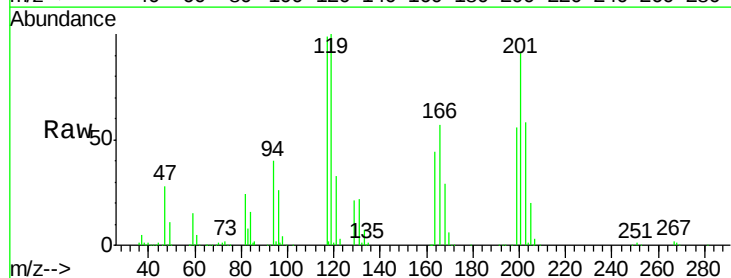
Manual Integrations
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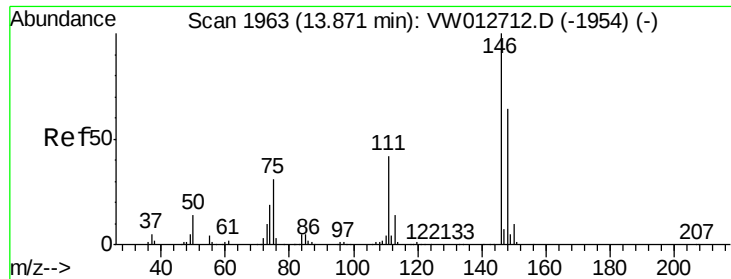
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#90
Hexachloroethane
Concen: 52.422 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	73878		
201	88.6		42.8	128.4





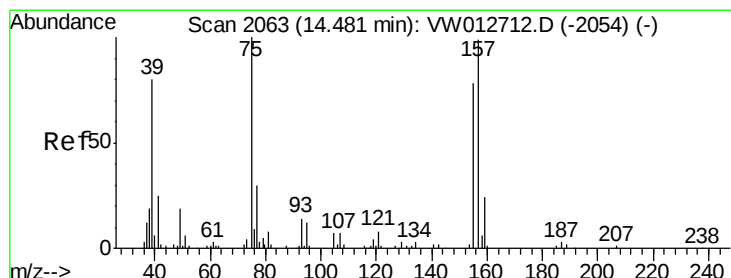
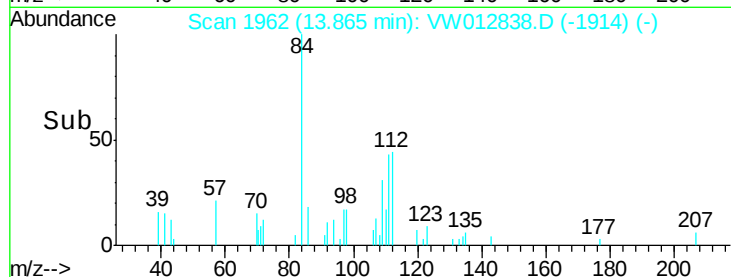
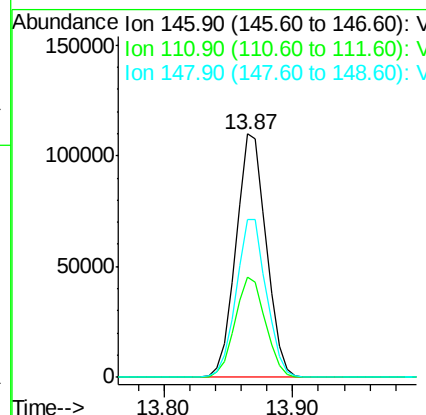
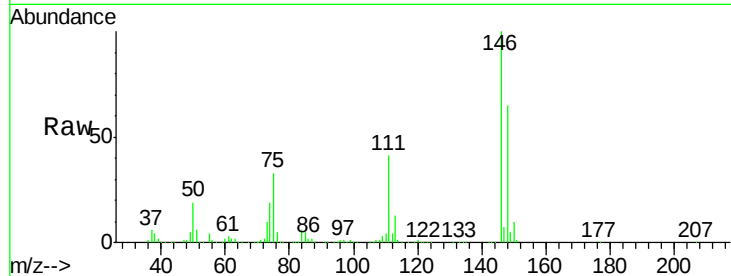
#91
 1,2-Dichlorobenzene
 Concen: 52.357 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	179390		
111	41.6	21.3	63.9	
148	64.7	32.1	96.5	

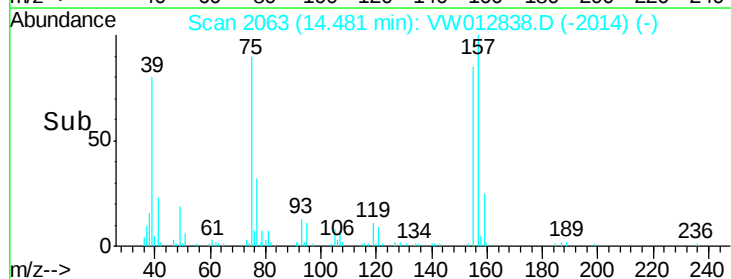
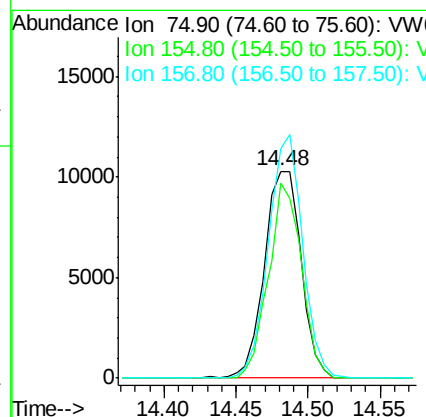
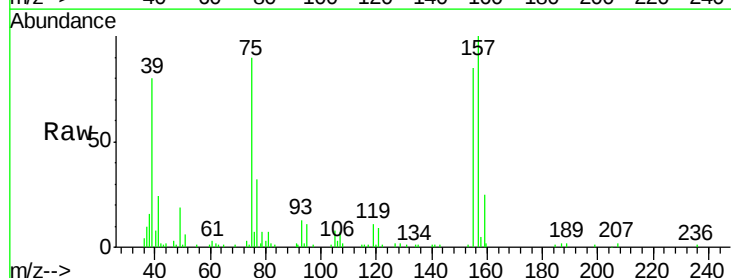
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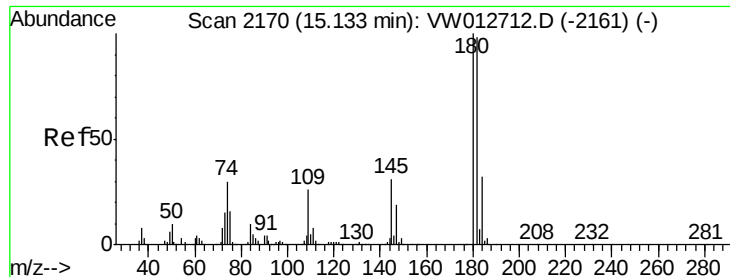
MMDadoda
 9/11/2019 8:15:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.745 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18142		
155	84.7	40.6	122.0	
157	110.1	52.5	157.5	





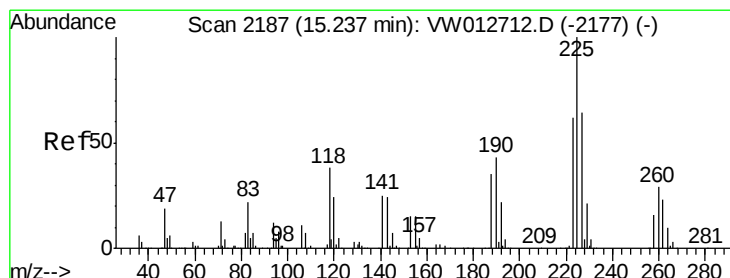
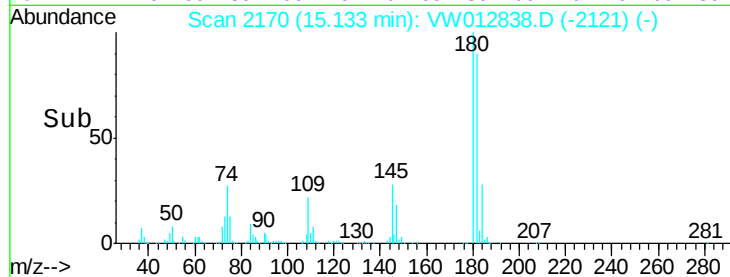
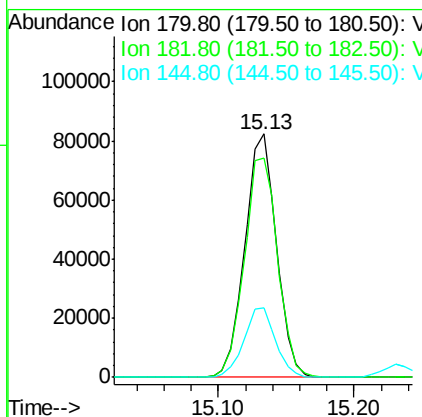
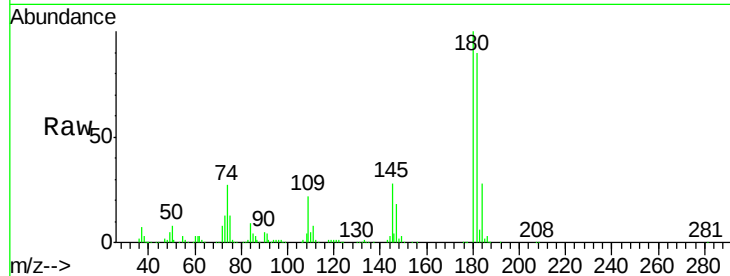
#93
 1,2,4-Trichlorobenzene
 Concen: 56.206 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134077		
182	94.9	48.7	146.1	
145	28.6	15.0	45.1	

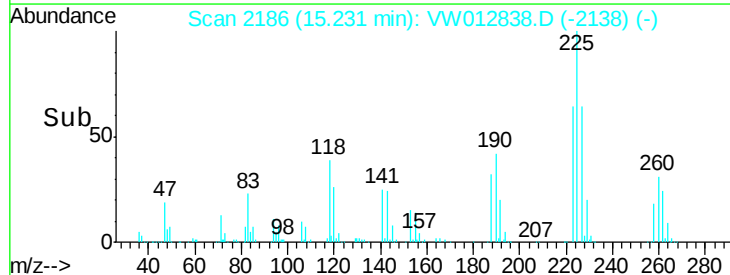
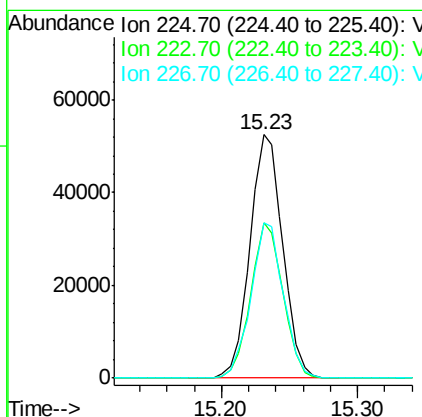
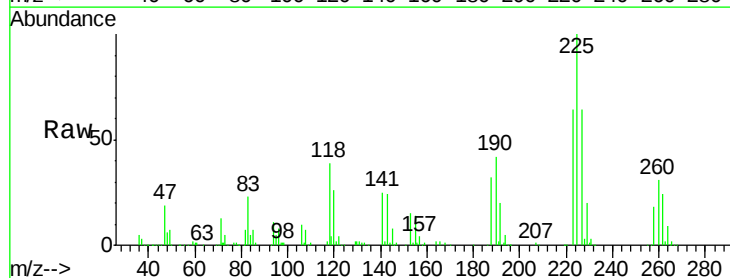
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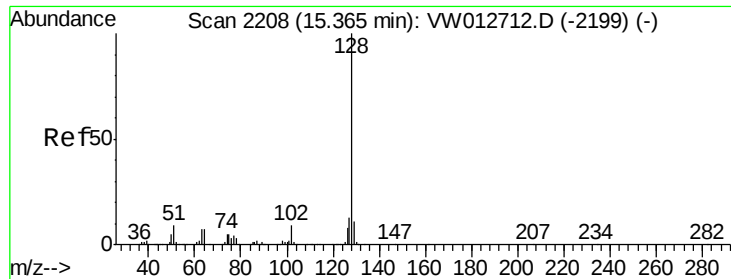
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#94
 Hexachlorobutadiene
 Concen: 53.587 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012838.D
 Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88479		
223	62.6	31.1	93.3	
227	63.4	31.4	94.2	





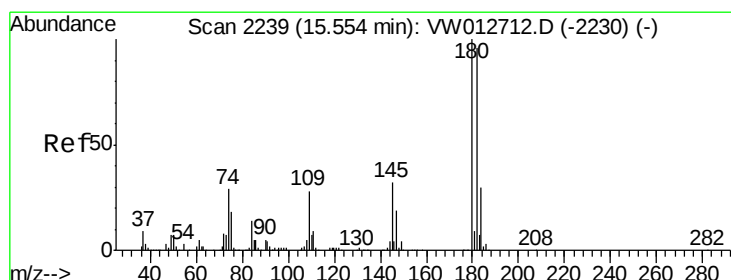
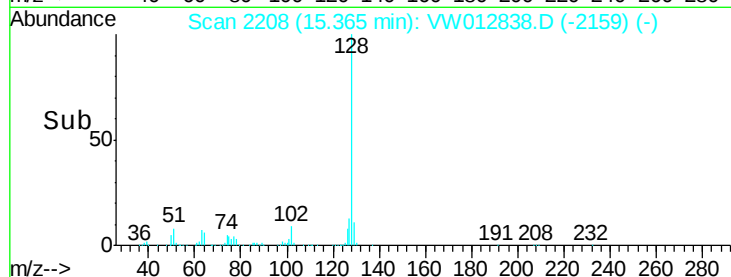
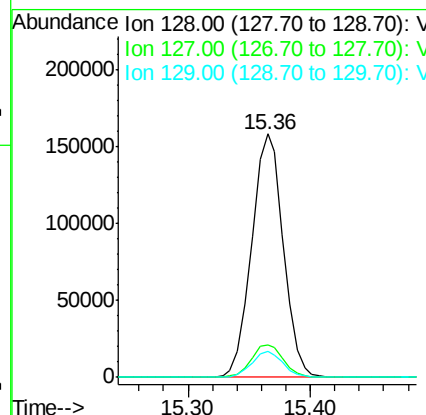
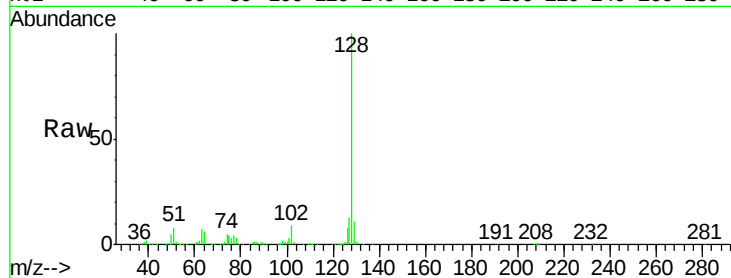
#95
Naphthalene
Concen: 56.176 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	283912		
127	13.5	10.7	16.1	
129	10.6	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.340 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012838.D
Acq: 09 Sep 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	120736		
182	97.5	47.8	143.3	
145	31.6	15.4	46.2	

