

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012786.D
 Acq On : 08 Sep 2019 23:04
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 11:24:40 AM

Quant Time: Sep 09 07:18:06 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	179243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	256986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	220555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110369	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	97221	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.88	113	70892	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
50) Toluene-d8	10.32	98	283351	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.62	95	98935	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	45456	46.779	ug/l	99
3) Chloromethane	2.21	50	53875	45.621	ug/l	100
4) Vinyl Chloride	2.35	62	71076	49.087	ug/l	98
5) Bromomethane	2.78	94	41420	52.679	ug/l	97
6) Chloroethane	2.92	64	43305	50.118	ug/l	92
7) Trichlorofluoromethane	3.25	101	48723	48.762	ug/l	99
8) Diethyl Ether	3.68	74	42455	50.553	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	80192	51.141	ug/l	97
10) Methyl Iodide	4.27	142	94537	47.892	ug/l	97
11) Tert butyl alcohol	5.20	59	41501	270.840	ug/l	97
12) 1,1-Dichloroethene	4.04	96	70866	47.875	ug/l	98
13) Acrolein	3.89	56	42095	258.877	ug/l	100
14) Allyl chloride	4.66	41	137585	44.932	ug/l	97
15) Acrylonitrile	5.37	53	131994	269.095	ug/l	98
16) Acetone	4.13	43	130718	239.416	ug/l	98
17) Carbon Disulfide	4.38	76	143680	45.729	ug/l	100
18) Methyl Acetate	4.67	43	66936	52.254	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	157131	53.526	ug/l	95
20) Methylene Chloride	4.92	84	78535	45.977	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	74276	49.178	ug/l	91
22) Diisopropyl ether	6.31	45	294237	48.448	ug/l	94
23) Vinyl Acetate	6.25	43	983315	255.482	ug/l	100
24) 1,1-Dichloroethane	6.21	63	164044	50.166	ug/l	99
25) 2-Butanone	7.17	43	188737	235.971	ug/l	100
26) 2,2-Dichloropropane	7.16	77	98730	47.803	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	86591	49.445	ug/l	99
28) Bromochloromethane	7.51	49	72979	48.603	ug/l	92
29) Tetrahydrofuran	7.53	42	118125	267.915	ug/l	97
30) Chloroform	7.67	83	163187	50.354	ug/l	97
31) Cyclohexane	7.95	56	135352	45.977	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	138817	52.843	ug/l	99
36) 1,1-Dichloropropene	8.08	75	120977	52.981	ug/l	98
37) Ethyl Acetate	7.25	43	82610	56.753	ug/l	98
38) Carbon Tetrachloride	8.07	117	127862	56.806	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	134839	52.578	ug/l	97
40) Benzene	8.32	78	325937	51.448	ug/l	99
41) Methacrylonitrile	7.48	41	50443	50.904	ug/l	96
42) 1,2-Dichloroethane	8.40	62	123919	55.578	ug/l	99
43) Isopropyl Acetate	8.42	43	154198	55.915	ug/l	99
44) Trichloroethene	9.09	130	88227	54.026	ug/l	92
45) 1,2-Dichloropropane	9.37	63	89012	50.658	ug/l	100
46) Dibromomethane	9.46	93	45964	55.241	ug/l	97
47) Bromodichloromethane	9.64	83	122428	53.481	ug/l	99
48) Methyl methacrylate	9.43	41	72900	55.316	ug/l	98
49) 1,4-Dioxane	9.47	88	18369	1117.636	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	418058	288.902	ug/l	99
52) Toluene	10.38	92	203088	51.361	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	124468	52.877	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	136851	51.249	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	68982	55.376	ug/l	98
56) Ethyl methacrylate	10.64	69	103551	56.789	ug/l	98
57) 1,3-Dichloropropane	10.93	76	124215	53.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	277880	287.056	ug/l	97
59) 2-Hexanone	10.97	43	291417	275.651	ug/l	99
60) Dibromochloromethane	11.13	129	82180	56.094	ug/l	99
61) 1,2-Dibromoethane	11.23	107	64075	56.105	ug/l	99
64) Tetrachloroethene	10.86	164	81977	61.256	ug/l	98
65) Chlorobenzene	11.66	112	217618	52.204	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	85253	54.917	ug/l	99
67) Ethyl Benzene	11.73	91	419867	53.683	ug/l	98
68) m/p-Xylenes	11.84	106	306294	108.495	ug/l	99
69) o-Xylene	12.16	106	144148	54.122	ug/l	98
70) Styrene	12.18	104	252715	53.696	ug/l	99
71) Bromoform	12.35	173	51011	59.144	ug/l #	100
73) Isopropylbenzene	12.46	105	422025	53.313	ug/l	99
74) N-amyl acetate	12.27	43	137391	54.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	86931	54.682	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	59704m	52.902	ug/l	
77) Bromobenzene	12.74	156	94664	52.784	ug/l	98
78) n-propylbenzene	12.80	91	498192	52.621	ug/l	100
79) 2-Chlorotoluene	12.89	91	280175	51.550	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	355296	53.265	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	28139	52.736	ug/l	99
82) 4-Chlorotoluene	12.99	91	293384	51.032	ug/l	99
83) tert-Butylbenzene	13.21	119	315757	53.537	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	348403	51.836	ug/l	99
85) sec-Butylbenzene	13.38	105	437282	53.430	ug/l	99
86) p-Isopropyltoluene	13.49	119	396165	52.994	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	179543	50.933	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	177457	50.591	ug/l	99
89) n-Butylbenzene	13.82	91	367478	50.634	ug/l	99
90) Hexachloroethane	14.09	117	67481	51.708	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	164564	51.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16844	57.897	ug/l	96

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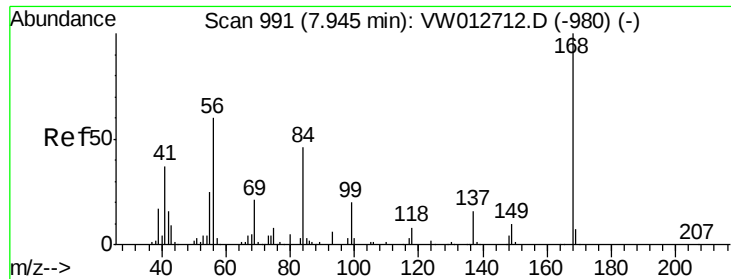
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	113477	51.371	ug/l	98
94) Hexachlorobutadiene	15.24	225	78874	51.586	ug/l	98
95) Naphthalene	15.36	128	232070	50.107	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	102410	52.522	ug/l	99

(#) = 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: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 179243

Ion Ratio Lower Upper

168 100

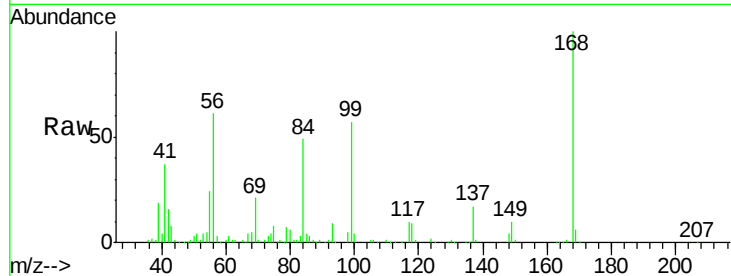
99 56.7 47.8 71.6

Manual Integrations

APPROVED

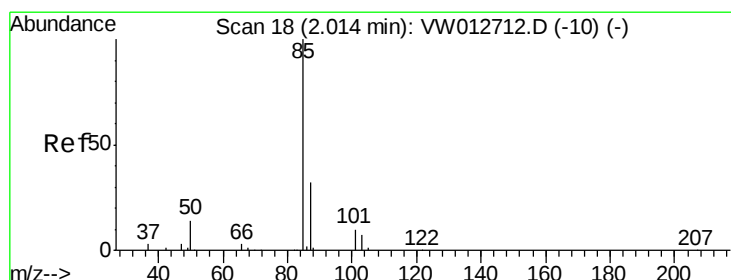
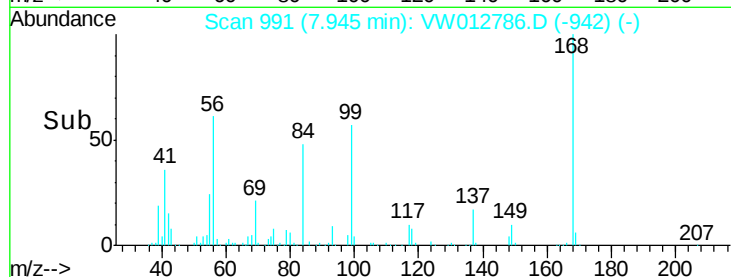
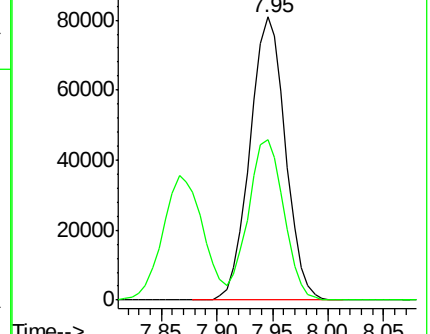
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.779 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012786.D

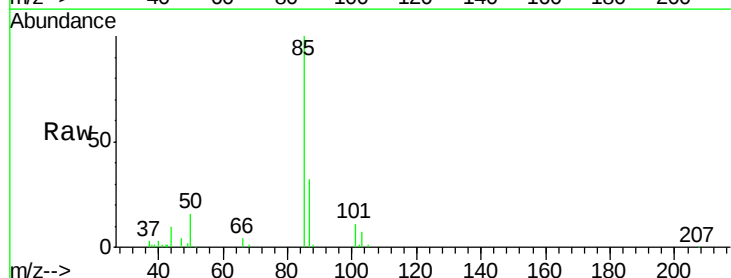
Acq: 08 Sep 2019 23:04

Tgt Ion: 85 Resp: 45456

Ion Ratio Lower Upper

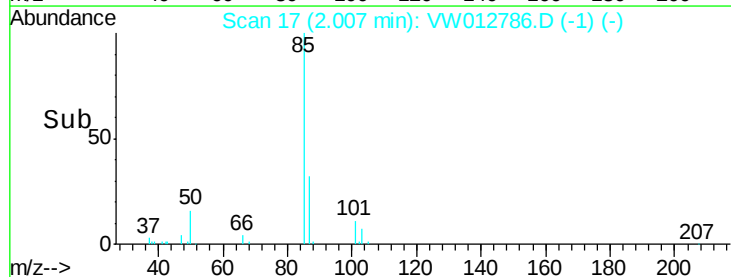
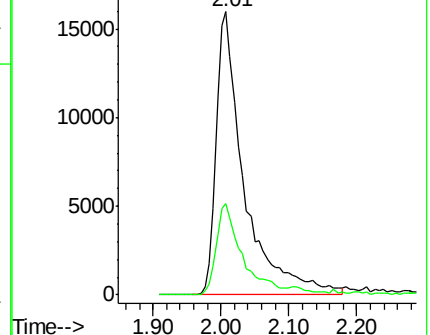
85 100

87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.621 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 53875

Ion Ratio Lower Upper

50 100

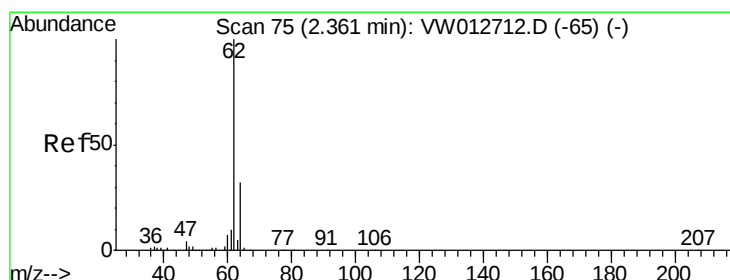
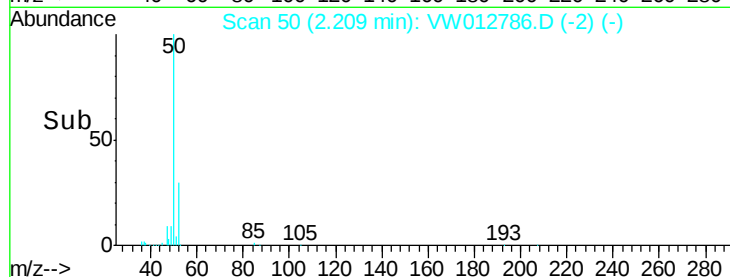
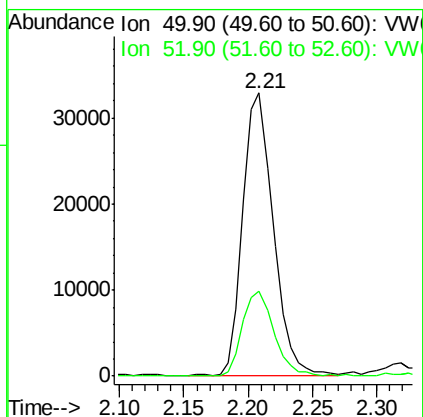
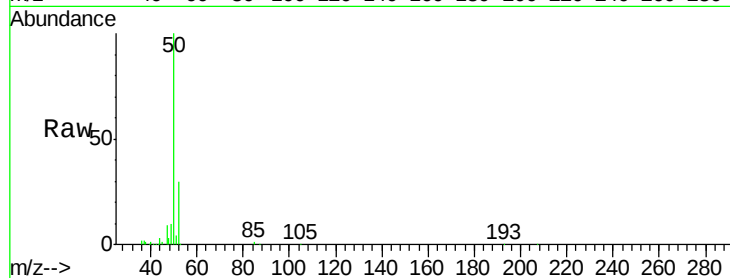
52 30.1 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.087 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012786.D

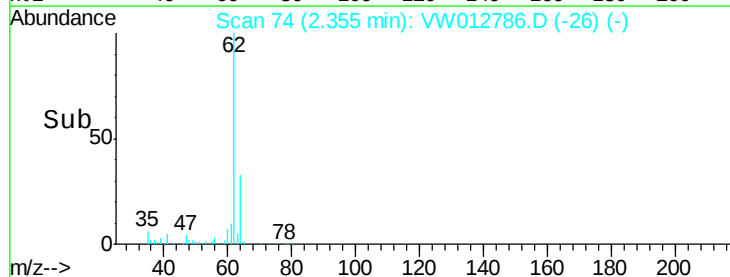
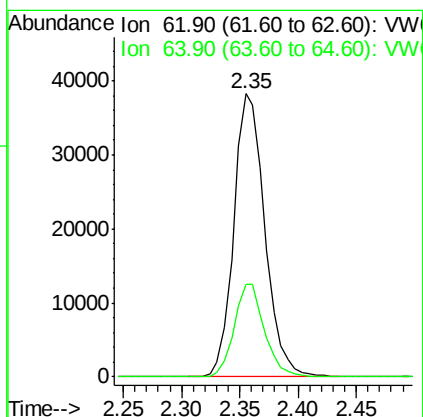
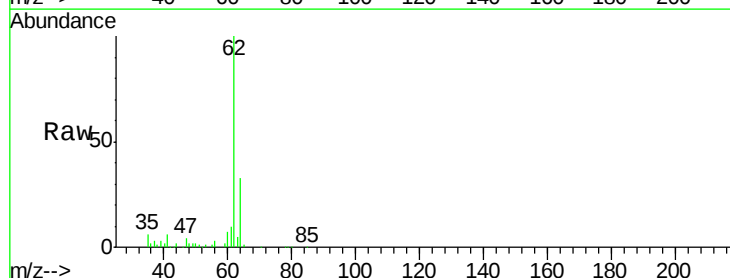
Acq: 08 Sep 2019 23:04

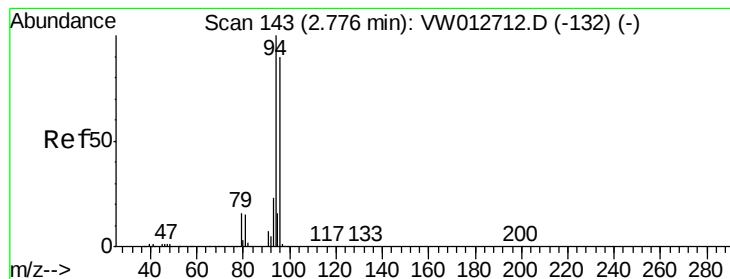
Tgt Ion: 62 Resp: 71076

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 52.679 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 41420

Ion Ratio Lower Upper

94 100

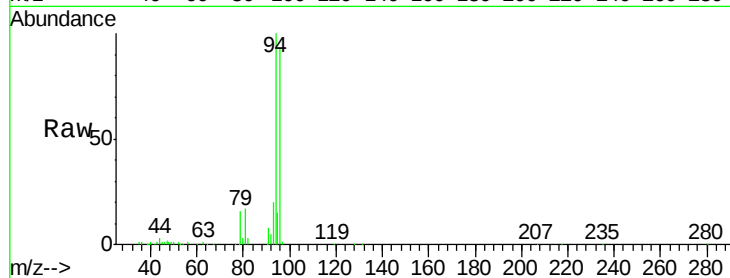
96 92.9 72.1 108.1

Manual Integrations

APPROVED

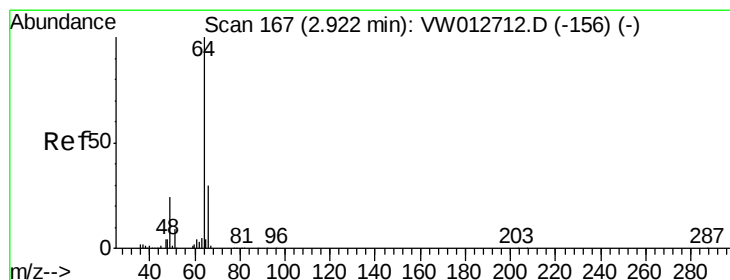
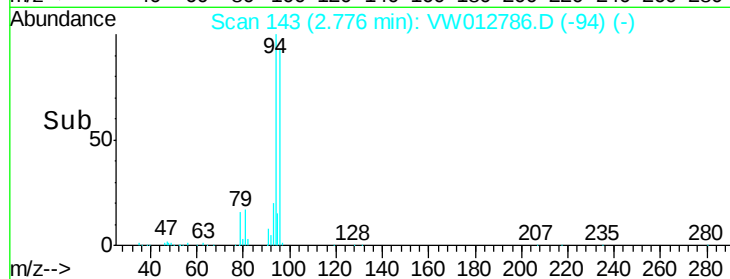
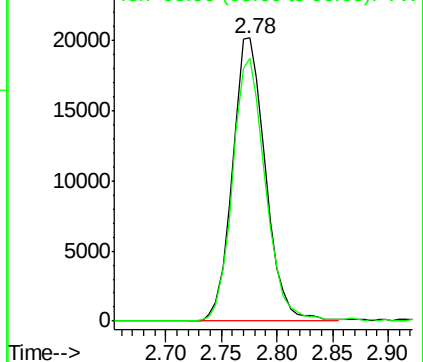
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.118 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012786.D

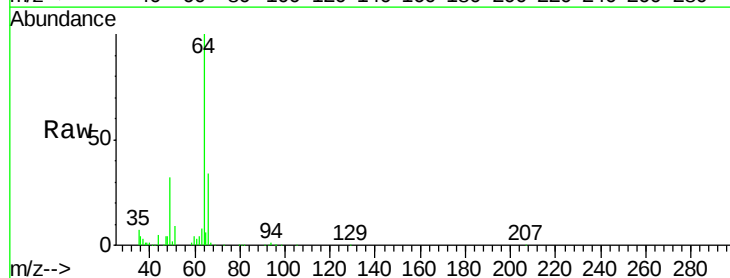
Acq: 08 Sep 2019 23:04

Tgt Ion: 64 Resp: 43305

Ion Ratio Lower Upper

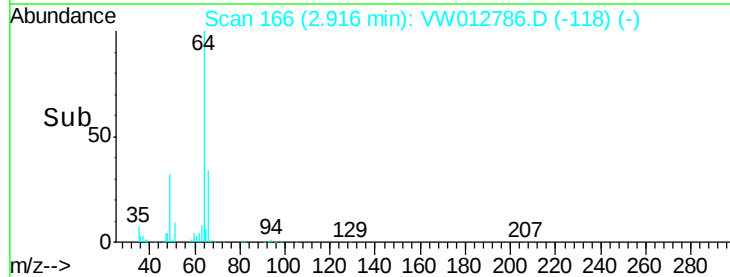
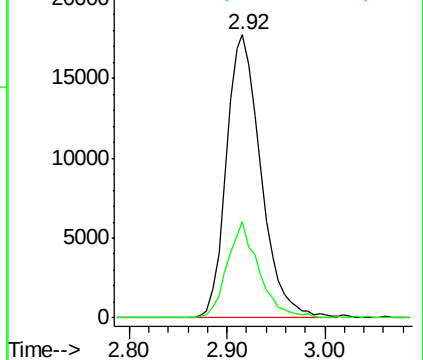
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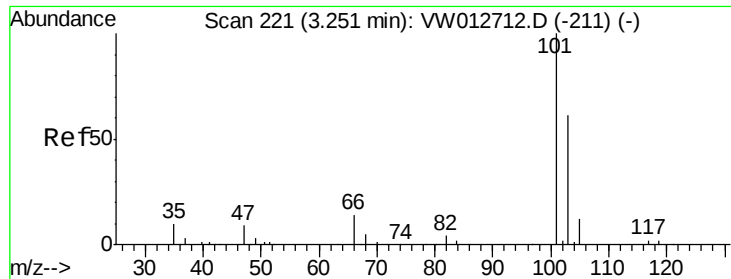
66 34.3 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

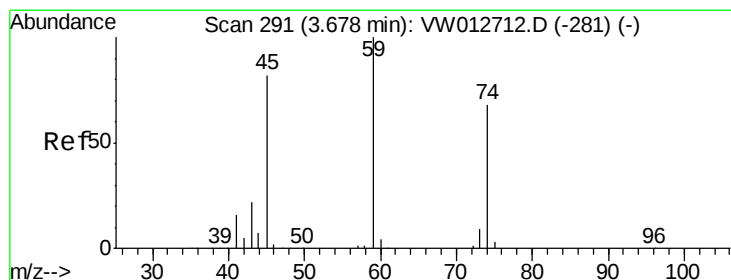
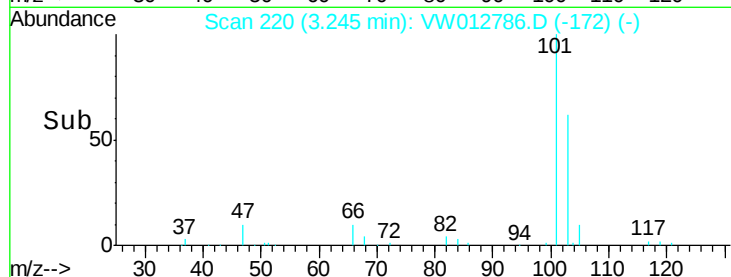
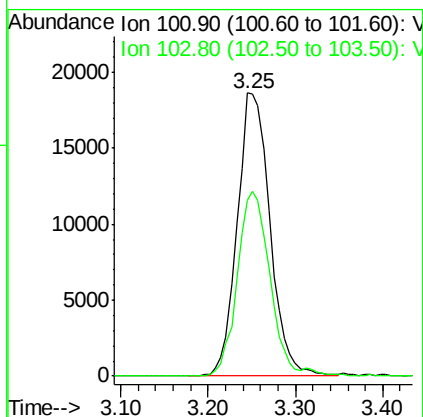
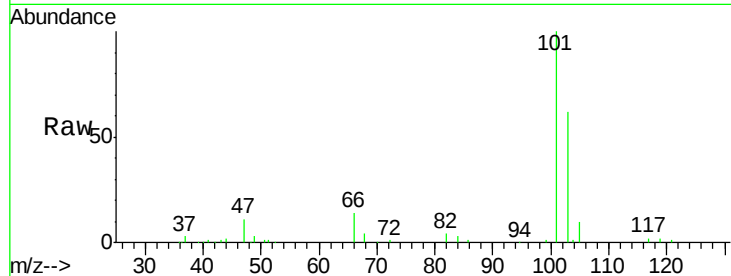
Trichlorofluoromethane
Concen: 48.762 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.0	73.4

Manual Integrations
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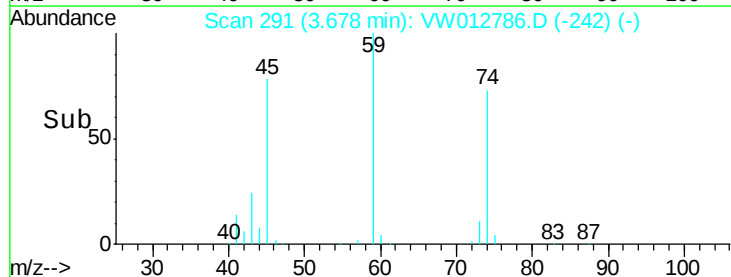
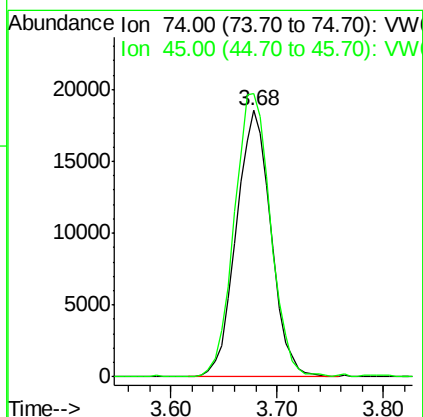
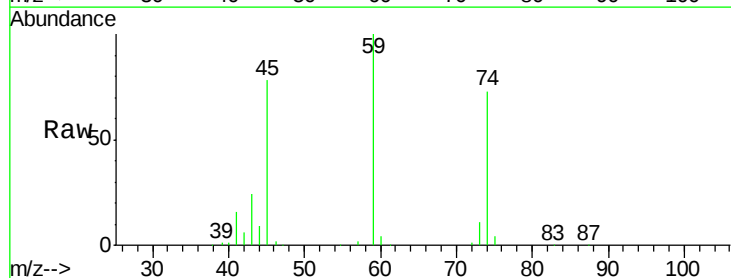
MMDadoda
9/9/2019 11:24:40 AM

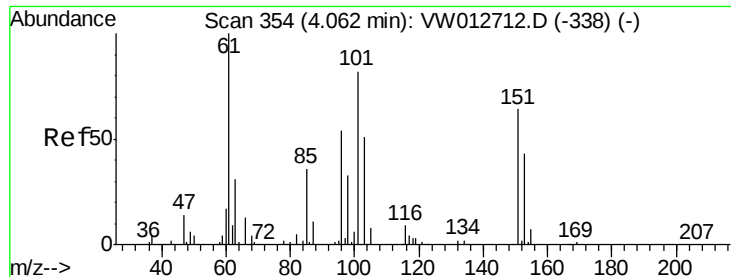


#8

Diethyl Ether
Concen: 50.553 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.141 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

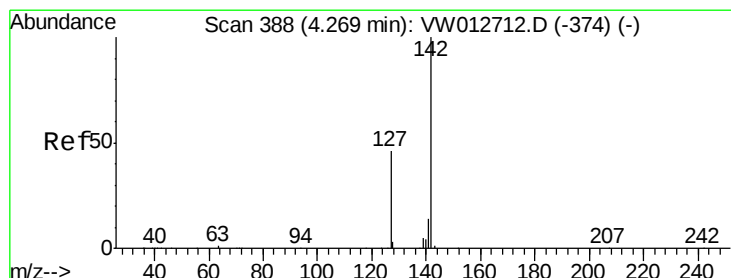
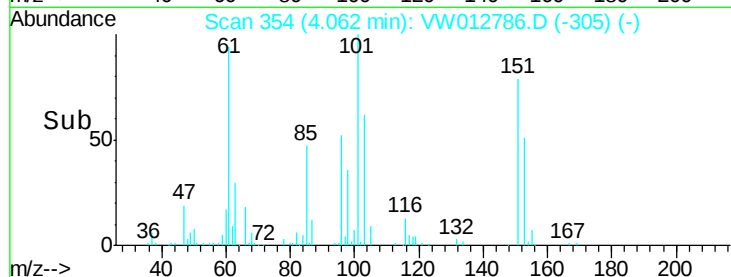
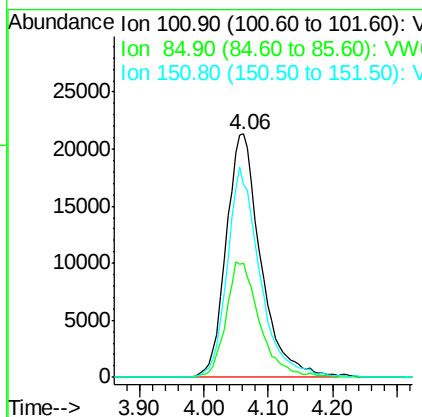
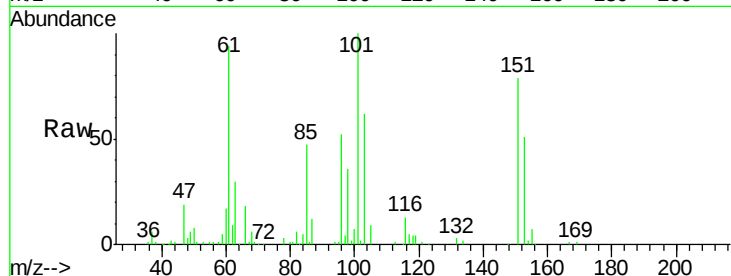
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	80192
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.2	54.2
151	81.0	61.9	92.9

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#10

Methyl Iodide

Concen: 47.892 ug/l

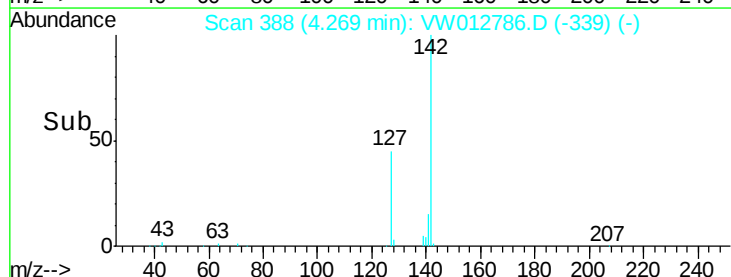
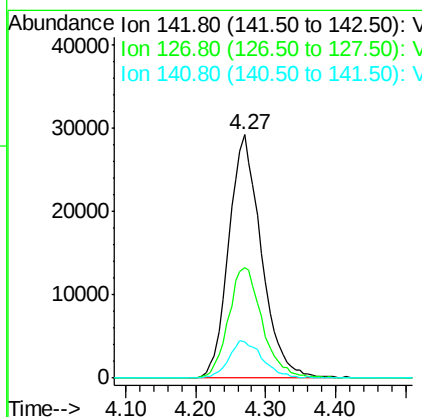
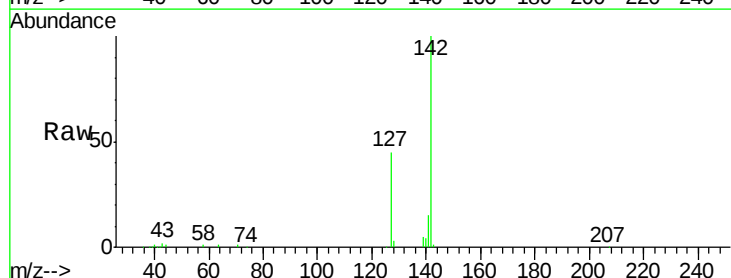
RT: 4.27 min Scan# 388

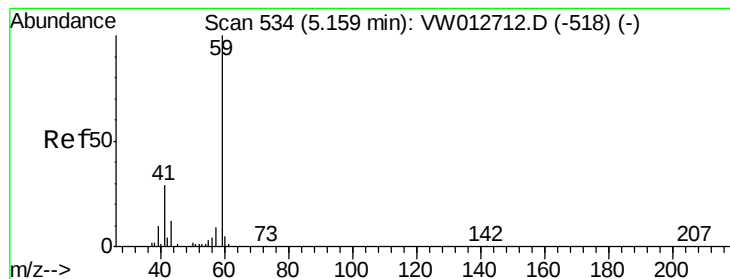
Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tgt Ion:	142	Resp:	94537
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.0	54.0
141	15.8	12.2	18.4





#11

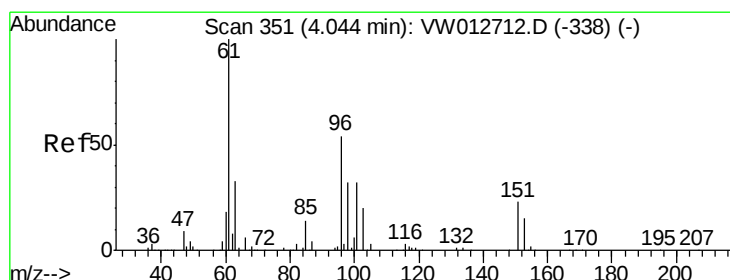
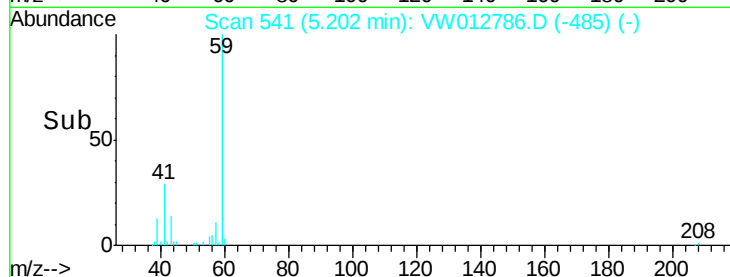
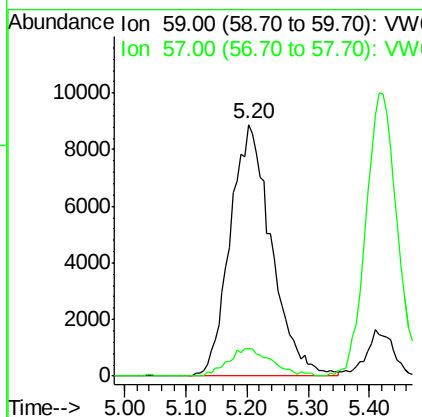
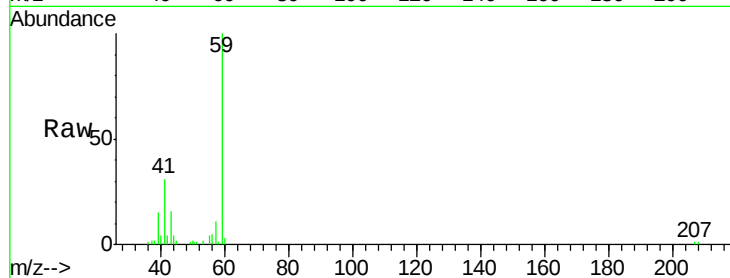
Tert butyl alcohol
Concen: 270.840 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.04 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	11.3	Resp	41501	Lower	8.2	Upper	12.4
Ion	59	57	Ratio	100	11.3	Resp	41501	Lower	8.2	Upper	12.4

Manual Integrations
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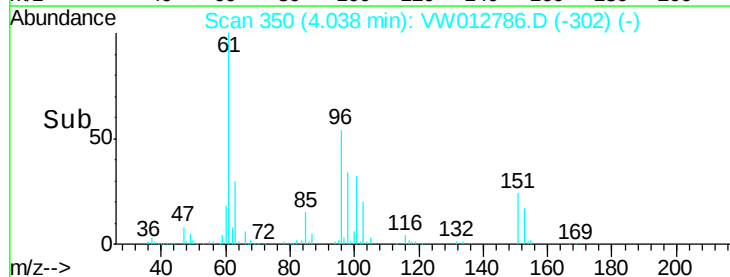
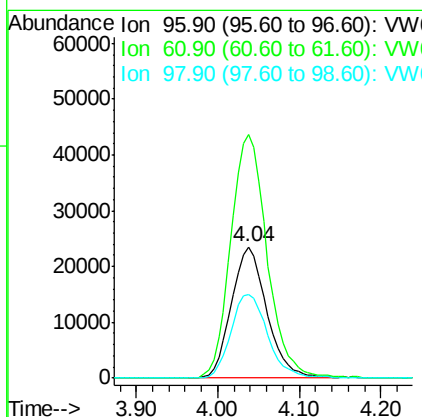
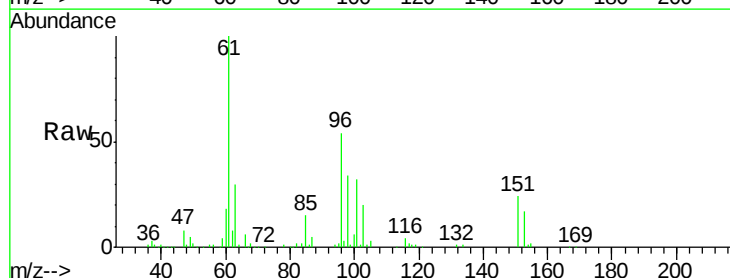
MMDadoda
9/9/2019 11:24:40 AM

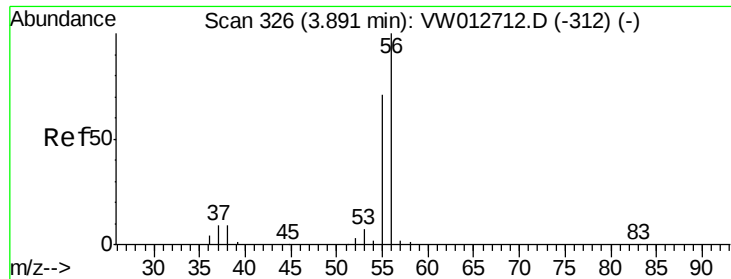


#12

1,1-Dichloroethene
Concen: 47.875 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	96	61	98	Ratio	100	185.5	63.9	Resp	70866	Lower	147.8	47.9	Upper	221.6	71.9
Ion	96	61	98	Ratio	100	185.5	63.9	Resp	70866	Lower	147.8	47.9	Upper	221.6	71.9





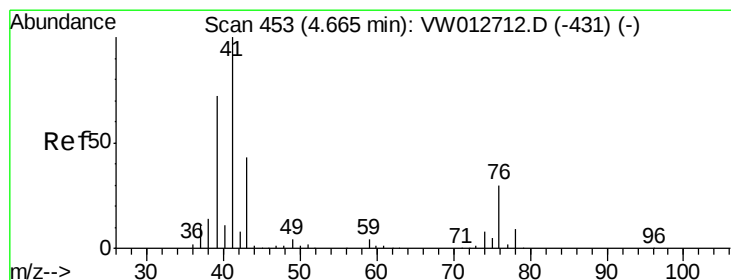
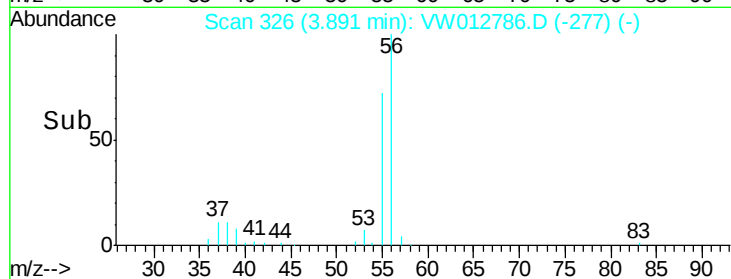
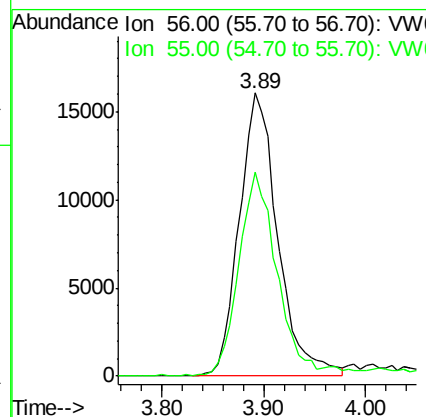
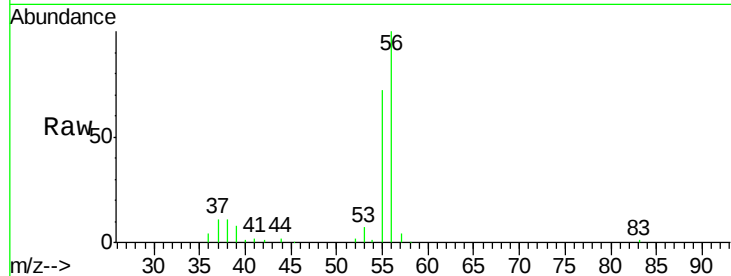
#13
Acrolein
Concen: 258.877 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	42095
Ion Ratio	100	Lower	Upper
55	70.7	56.9	85.3

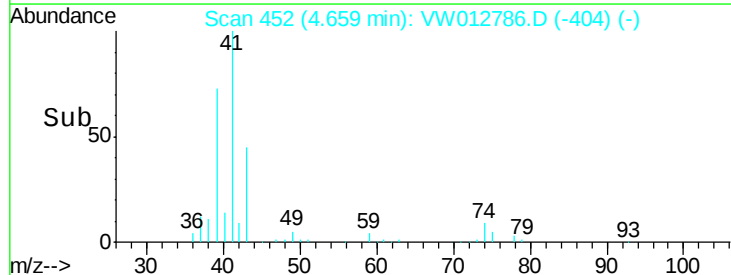
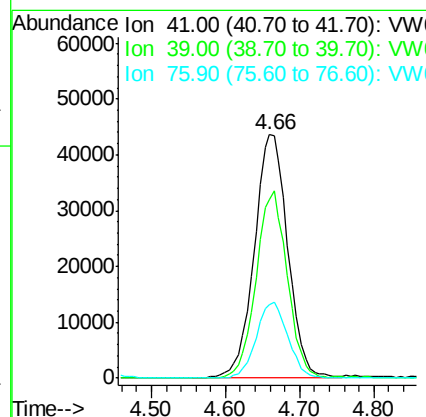
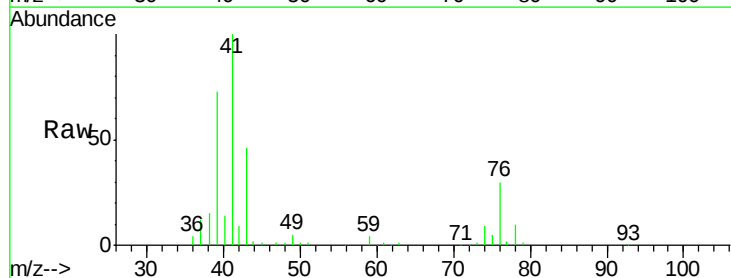
Manual Integrations
APPROVED

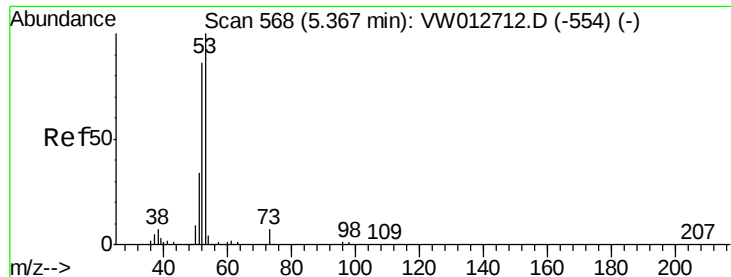
MMDadoda
9/9/2019 11:24:40 AM



#14
Allyl chloride
Concen: 44.932 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	41	Resp	137585
Ion Ratio	100	Lower	Upper
39	71.6	55.0	82.6
76	29.3	23.0	34.4





#15

Acrylonitrile

Concen: 269.095 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

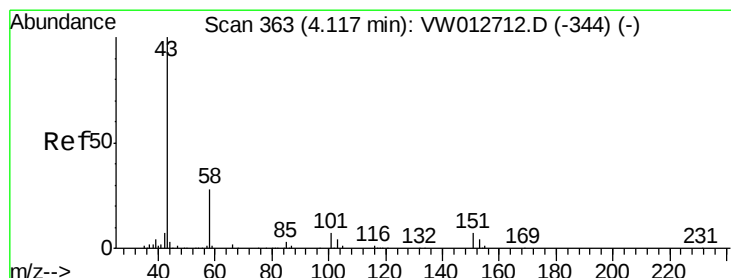
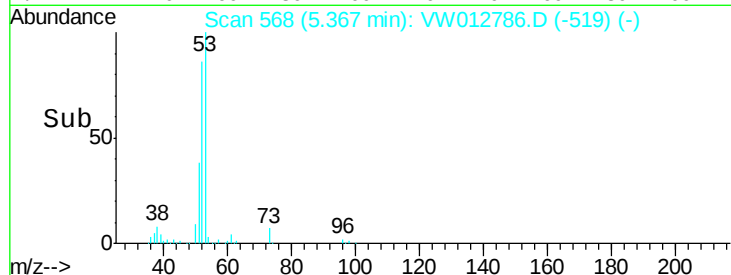
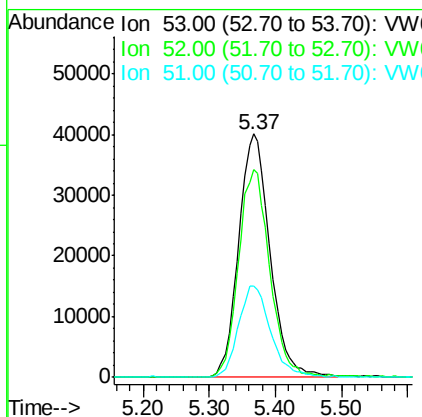
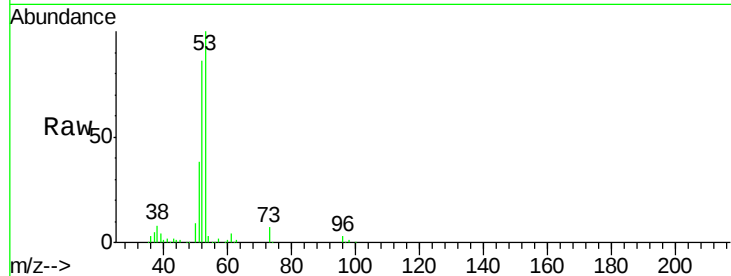
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	131994
Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.0	100.4
51	38.7	29.8	44.8

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 239.416 ug/l

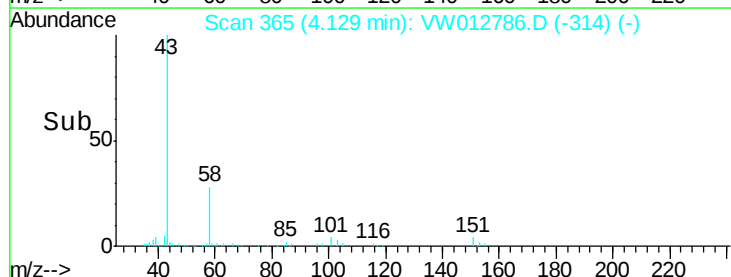
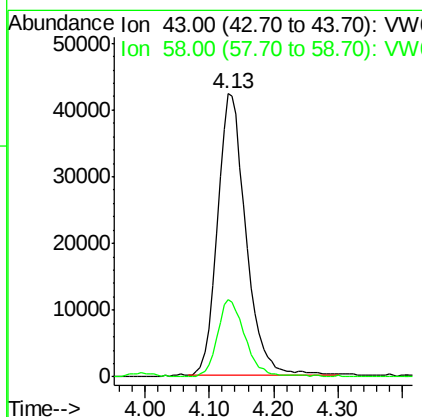
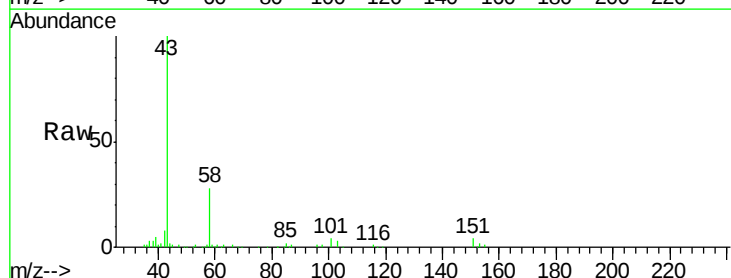
RT: 4.13 min Scan# 365

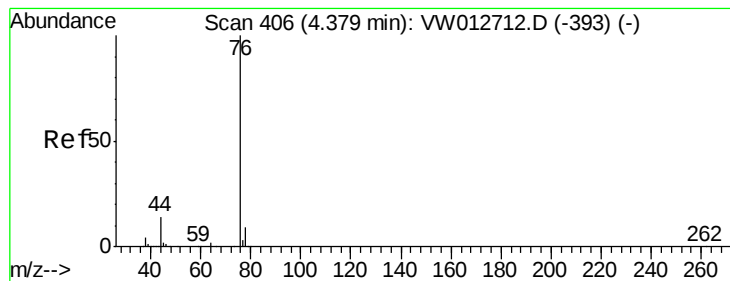
Delta R.T. 0.01 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tgt Ion:	43	Resp:	130718
Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.6	33.8





#17

Carbon Disulfide

Concen: 45.729 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 143680

Ion Ratio Lower Upper

76 100

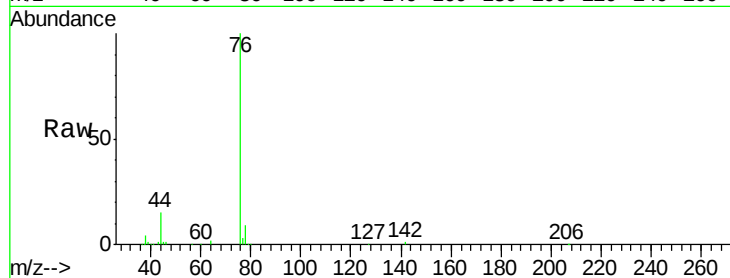
78 9.1 7.2 10.8

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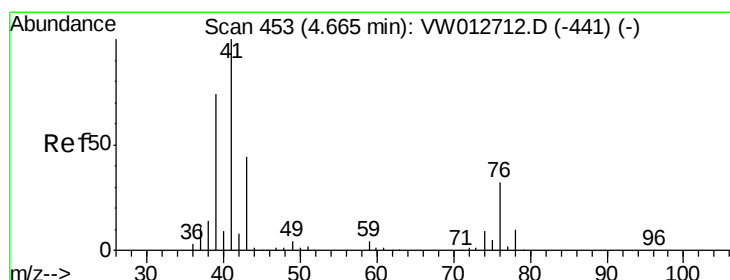
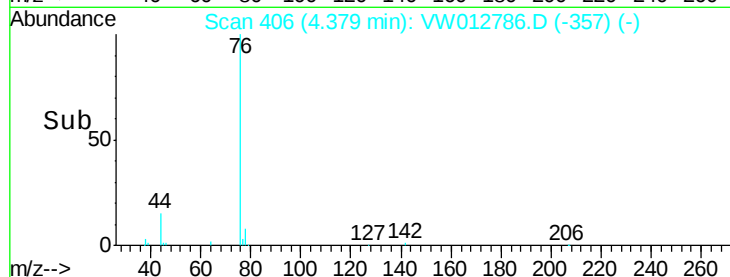
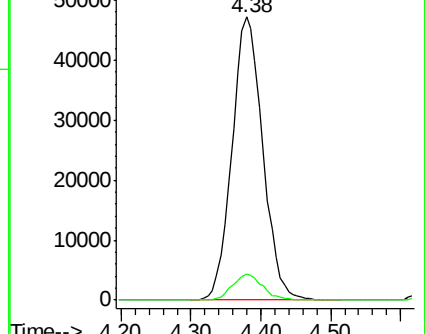
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 52.254 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012786.D

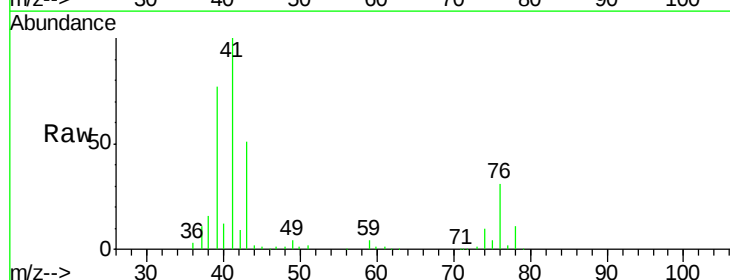
Acq: 08 Sep 2019 23:04

Tgt Ion: 43 Resp: 66936

Ion Ratio Lower Upper

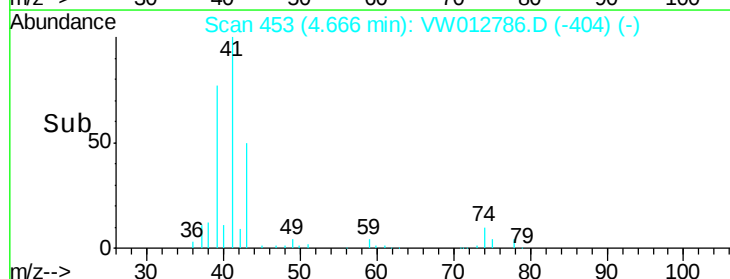
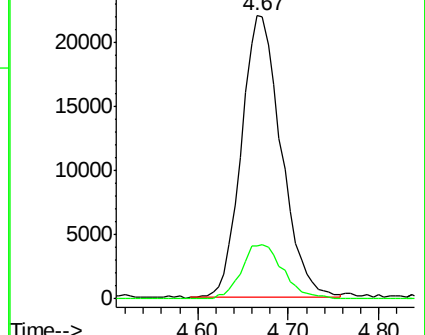
43 100

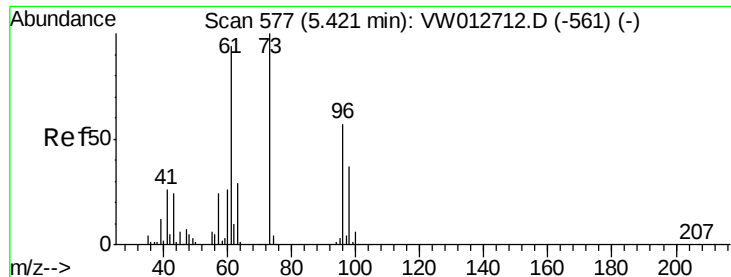
74 20.1 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





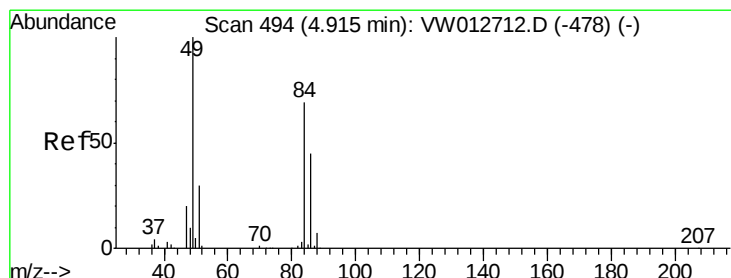
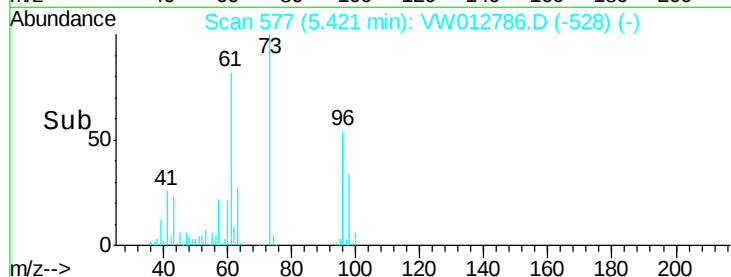
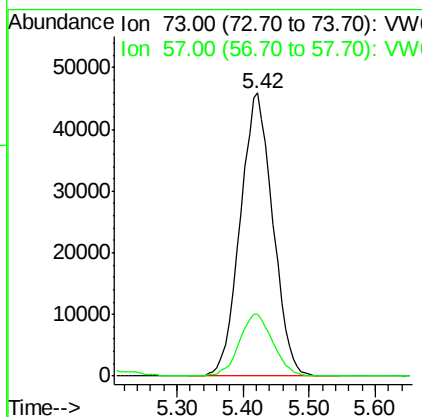
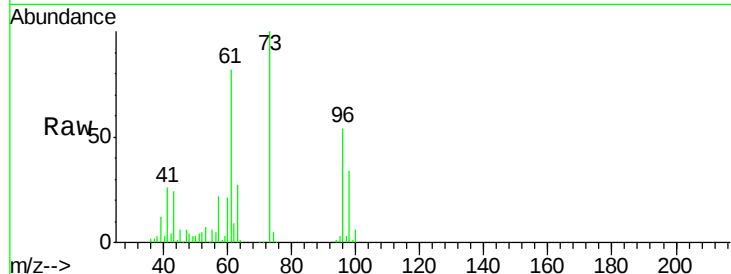
#19
Methvl tert-butvl Ether
Concen: 53.526 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	19.2	28.8

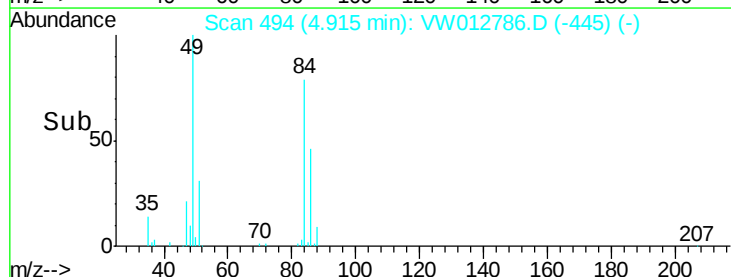
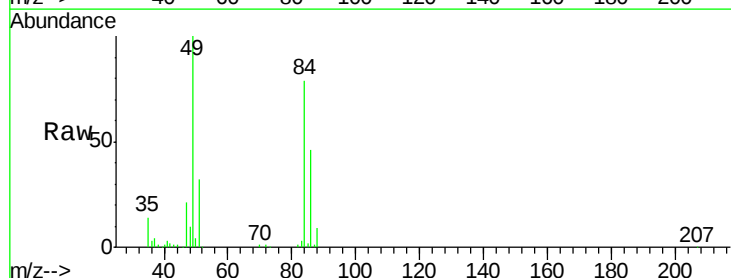
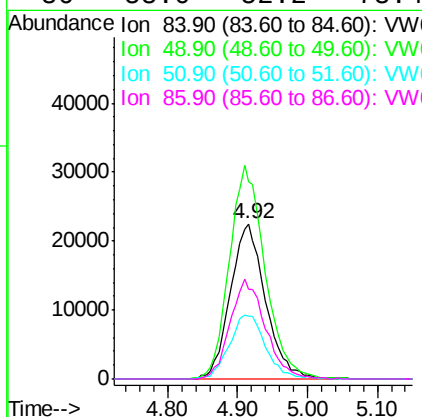
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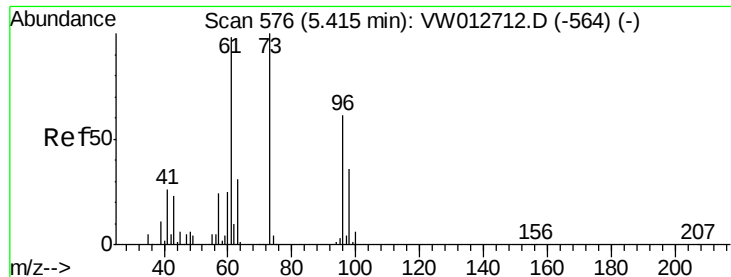
MMDadoda
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#20
Methylene Chloride
Concen: 45.977 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.0	115.4	173.0
51	40.3	34.9	52.3
86	58.0	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 49.178 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 74276

Ion Ratio Lower Upper

96 100

61 147.6 129.2 193.8

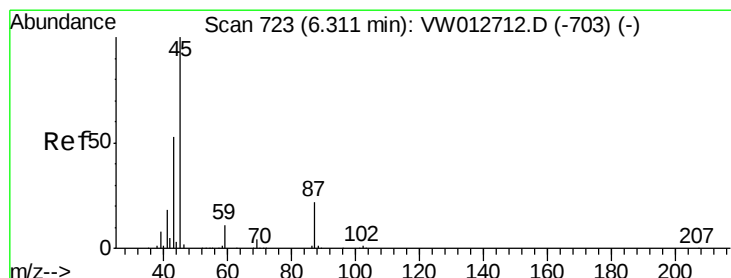
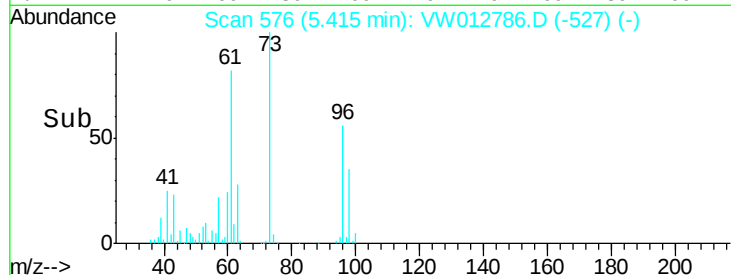
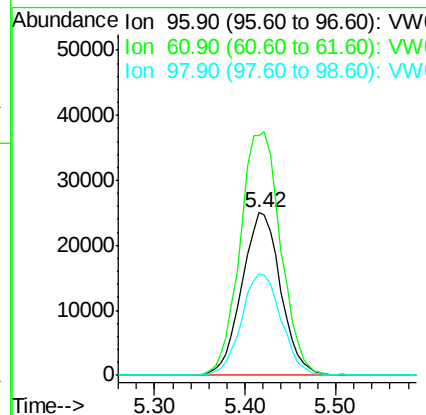
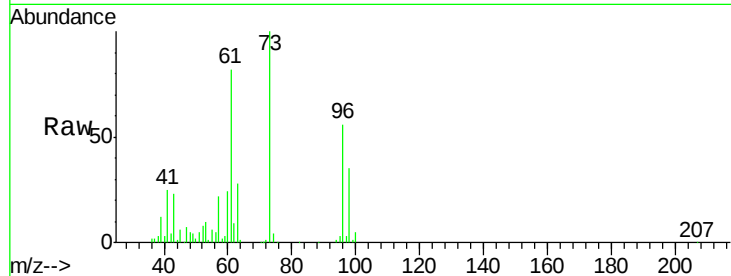
98 62.8 48.0 72.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 48.448 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tgt Ion: 45 Resp: 294237

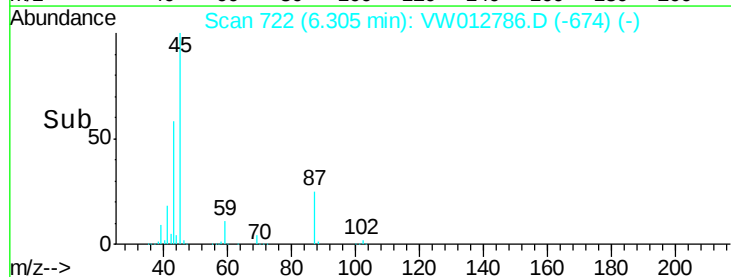
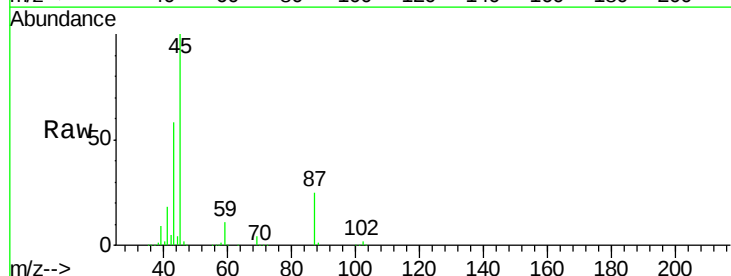
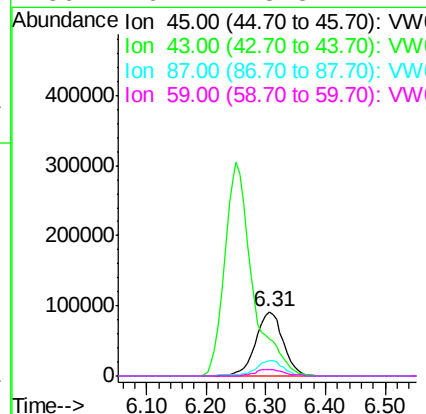
Ion Ratio Lower Upper

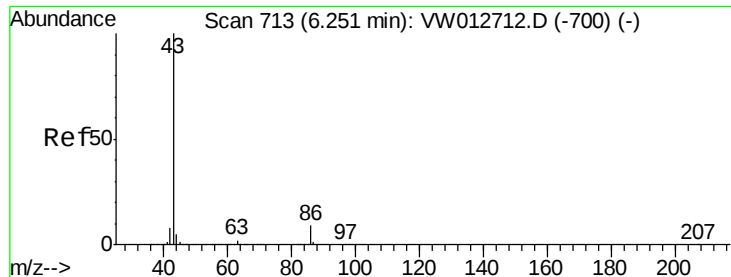
45 100

43 58.3 42.3 63.5

87 24.6 18.2 27.2

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 255.482 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012786.D

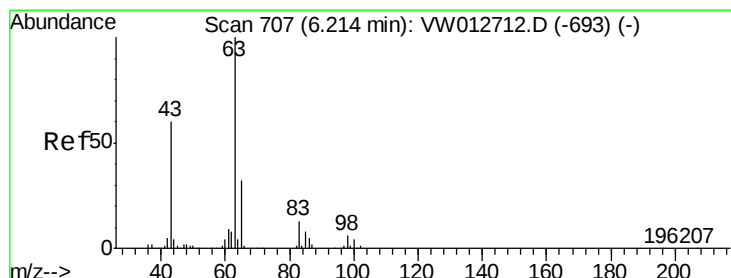
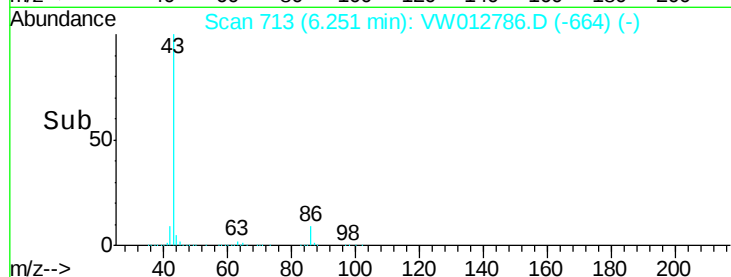
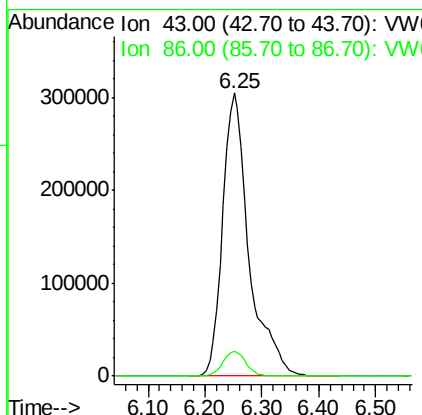
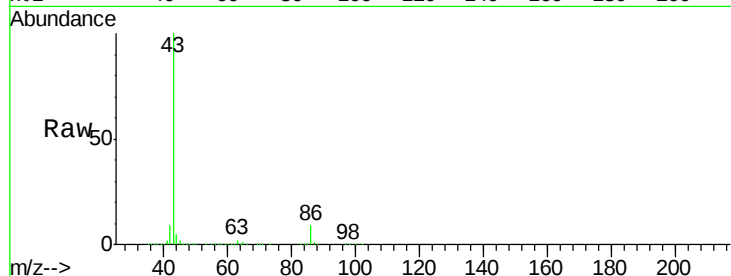
Acq: 08 Sep 2019 23:04

Tot Ion	43	Resp	983315
Ion Ratio	100	Lower	Upper
43	100		
86	8.7	7.0	10.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 50.166 ug/l

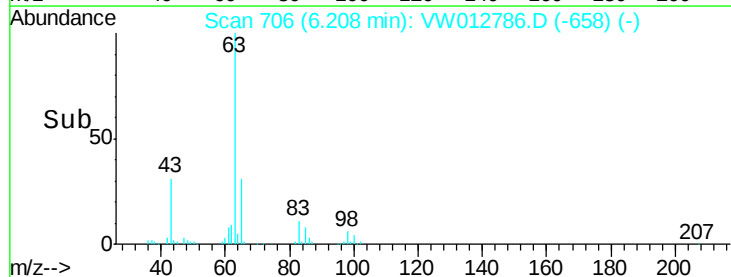
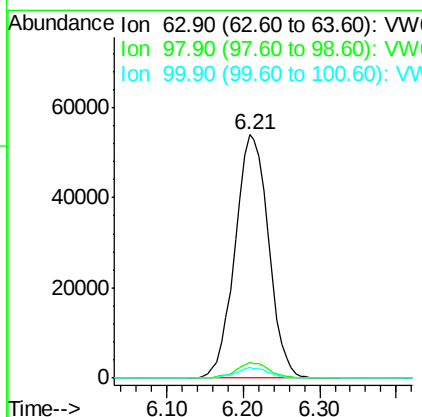
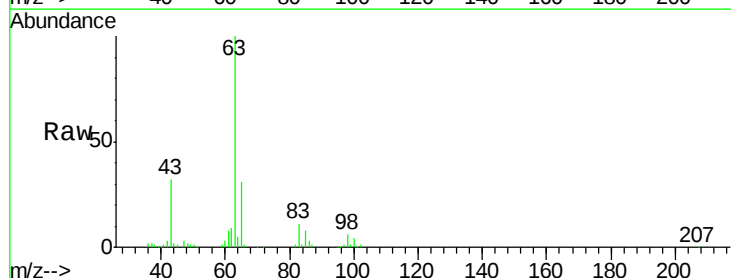
RT: 6.21 min Scan# 706

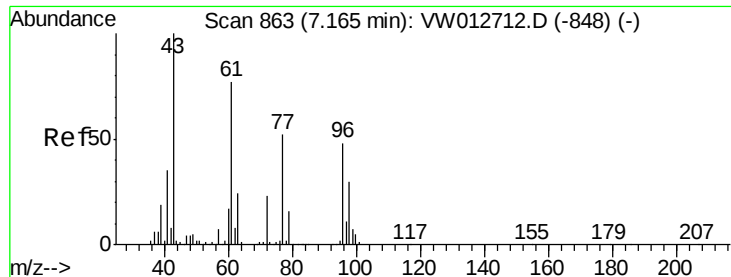
Delta R.T. -0.01 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tgt Ion	63	Resp	164044
Ion Ratio	100	Lower	Upper
63	100		
98	6.4	3.1	9.3
100	4.1	1.8	5.5





#25

2-Butanone

Concen: 235.971 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tot Ion: 43 Resp: 188737

Ion Ratio Lower Upper

43 100

72 22.4 18.0 27.0

Instrument :

MSVOA_W

ClientSampled :

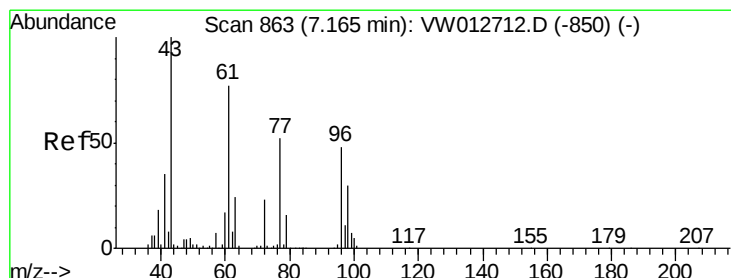
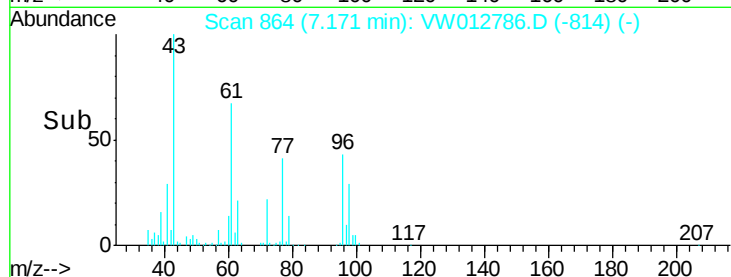
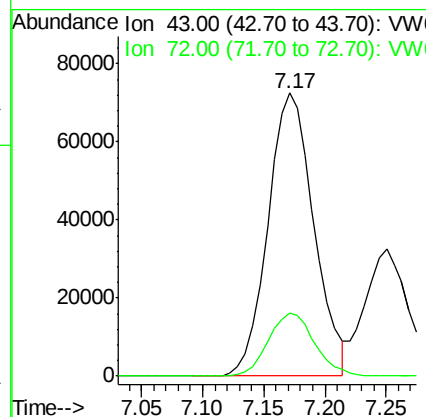
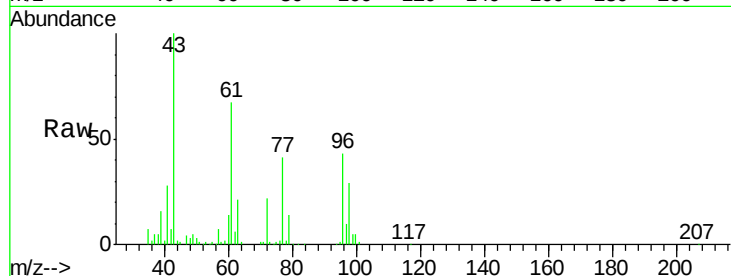
VSTDCCC050

Manual Integrations

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MMDadoda

9/9/2019 11:24:40 AM



#26

2,2-Dichloropropane

Concen: 47.803 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012786.D

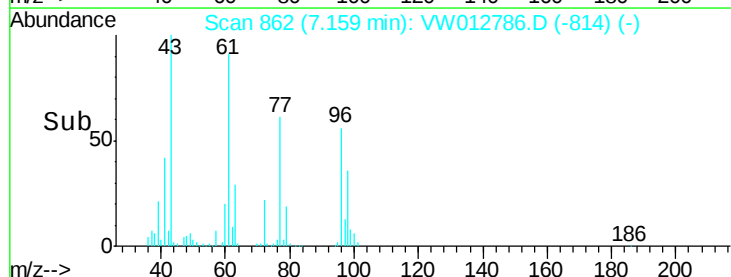
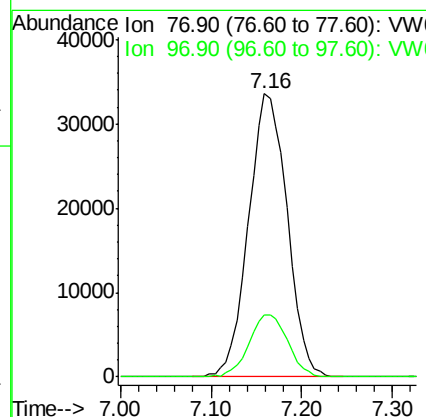
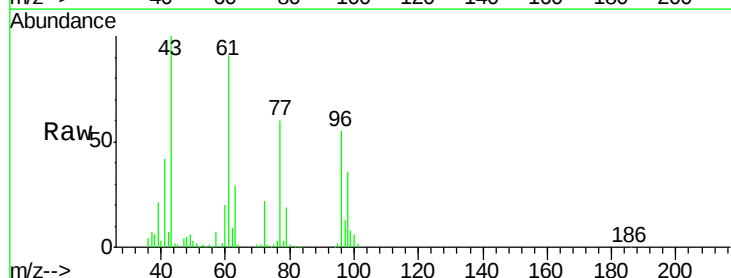
Acq: 08 Sep 2019 23:04

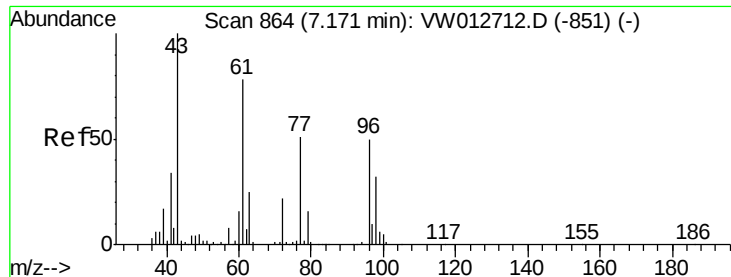
Tgt Ion: 77 Resp: 98730

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1





#27

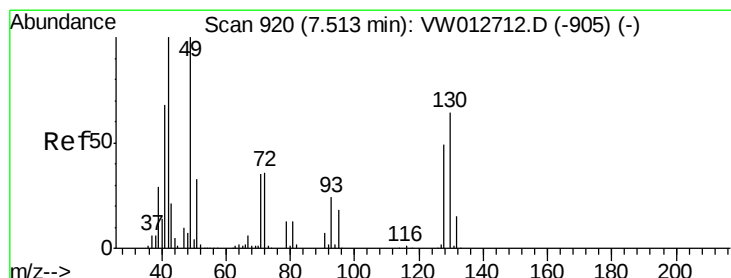
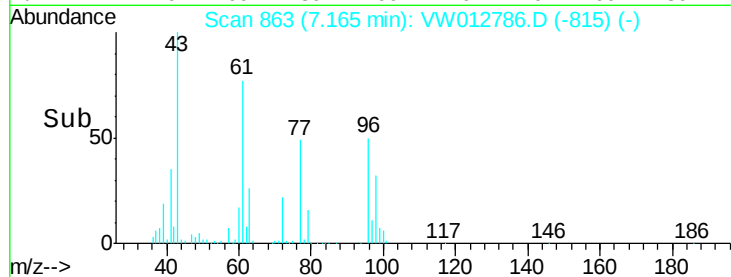
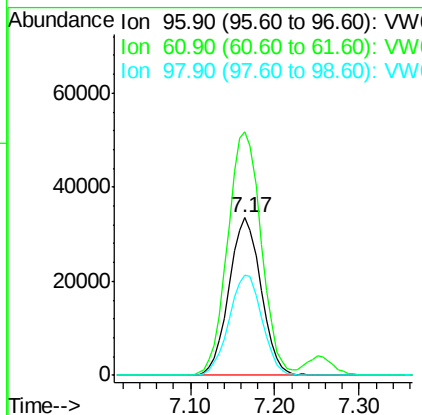
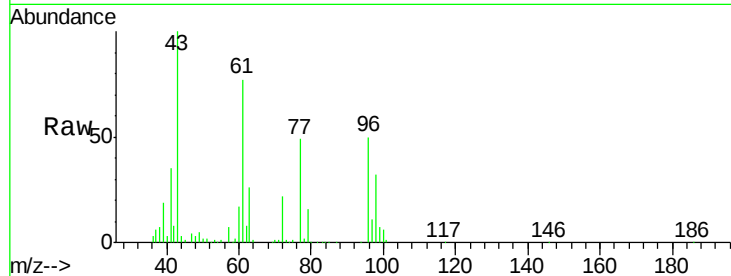
cis-1,2-Dichloroethene
Concen: 49.445 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	86591		
61	161.7	0.0	325.8	
98	65.5	0.0	127.0	

Manual Integrations
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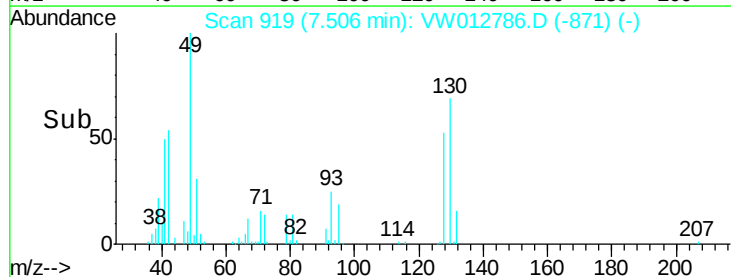
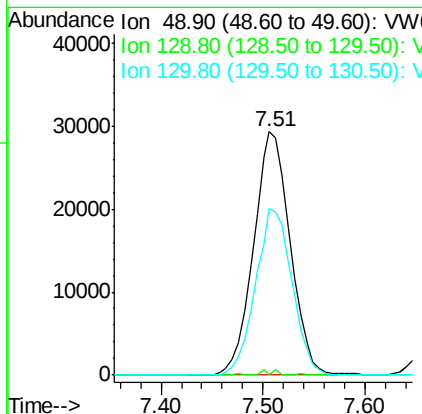
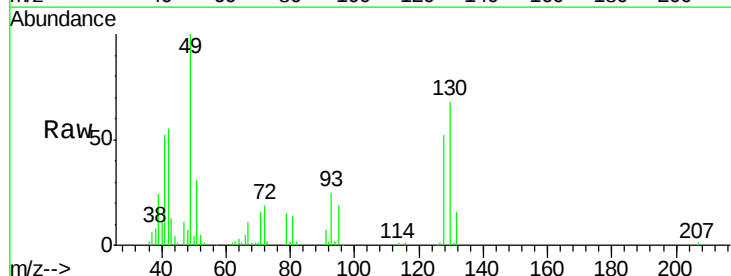
MMDadoda
9/9/2019 11:24:40 AM

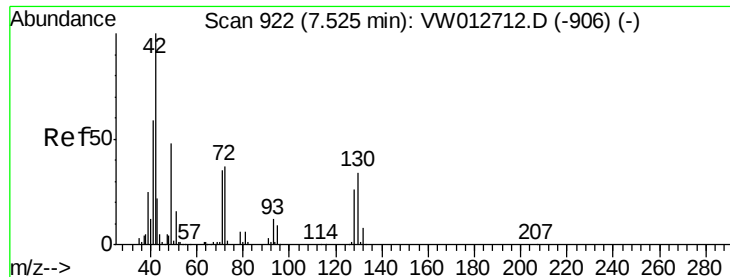


#28

Bromochloromethane
Concen: 48.603 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72979		
129	0.6	0.0	0.8	
130	68.3	49.8	74.8	





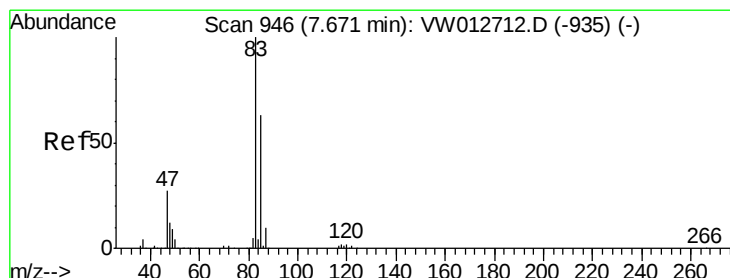
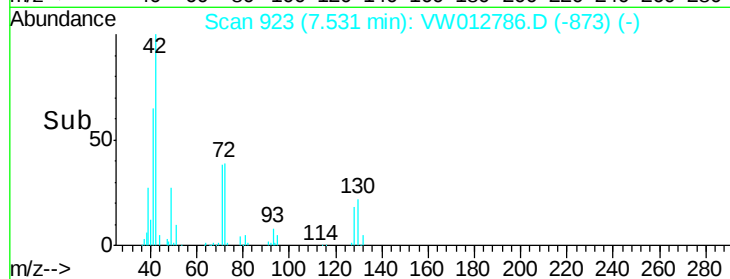
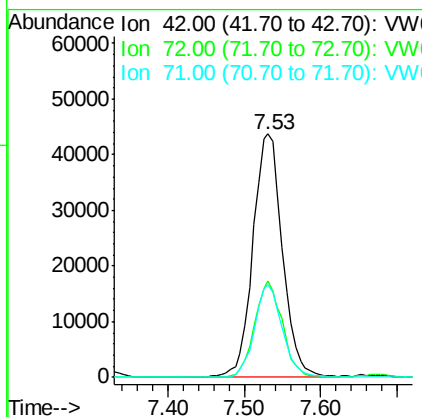
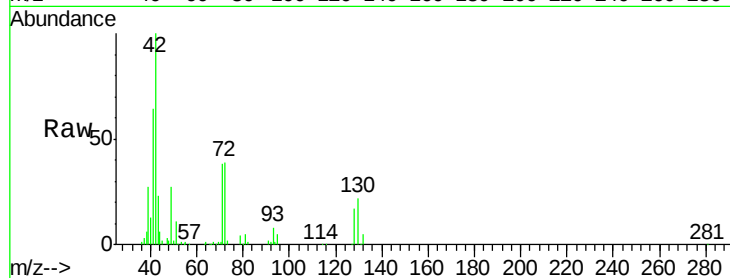
#29
Tetrahydrofuran
Concen: 267.915 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	28.4	42.6
71	35.7	27.1	40.7

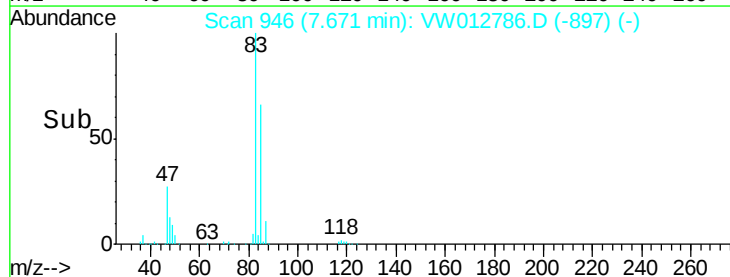
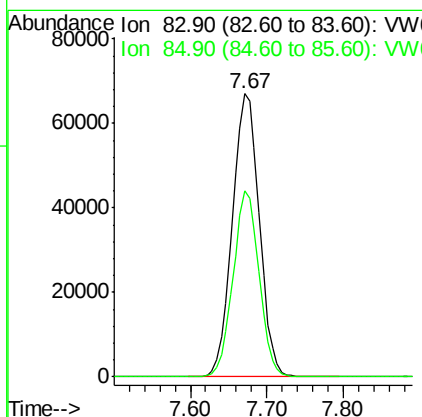
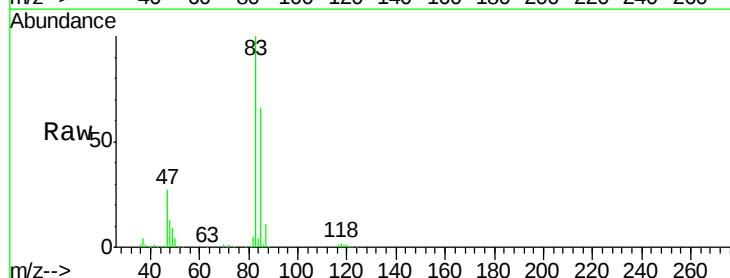
Manual Integrations
APPROVED

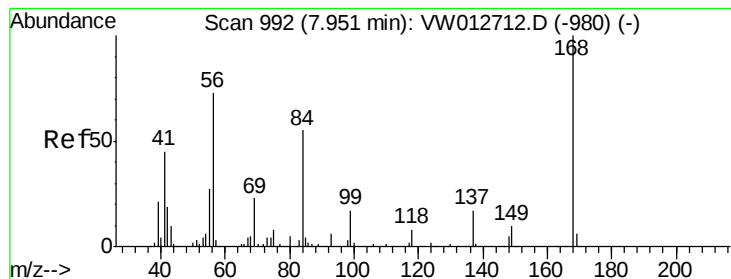
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#30
Chloroform
Concen: 50.354 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.6	76.0





#31

Cyclohexane

Concen: 45.977 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

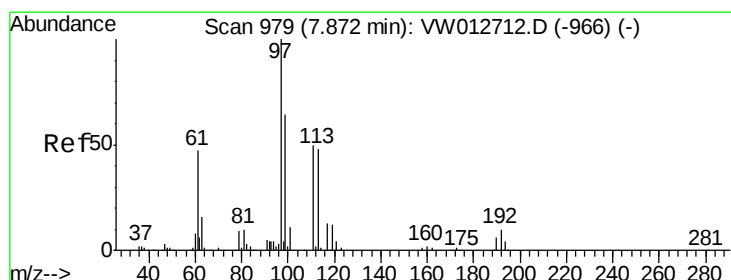
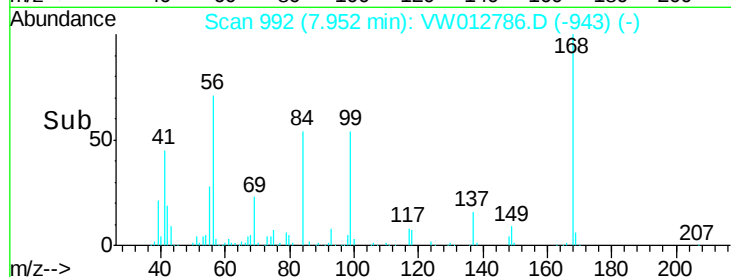
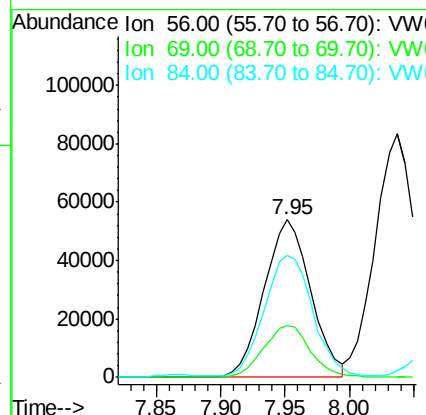
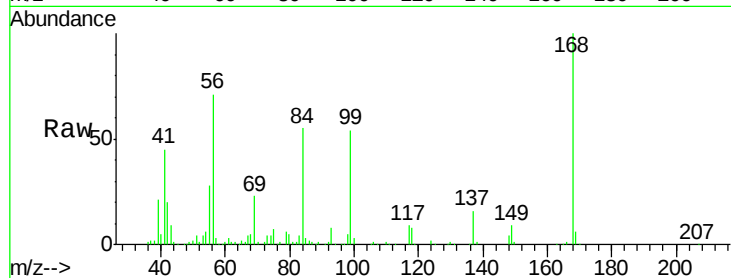
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	135352
Ion Ratio	Lower	Upper	
56	100		
69	32.9	25.7	38.5
84	76.5	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.843 ug/l

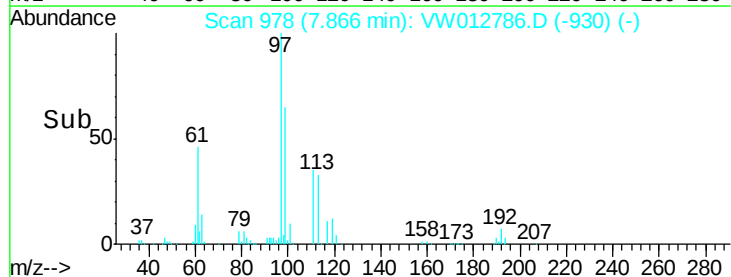
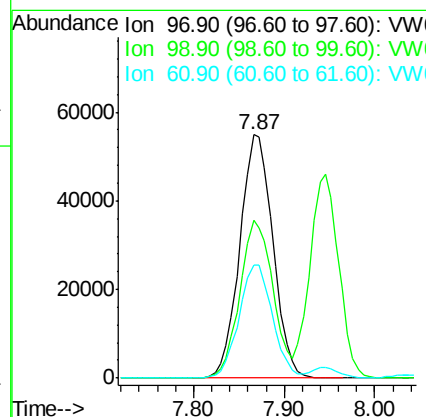
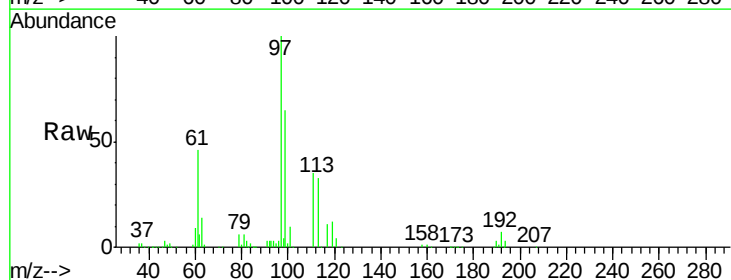
RT: 7.87 min Scan# 978

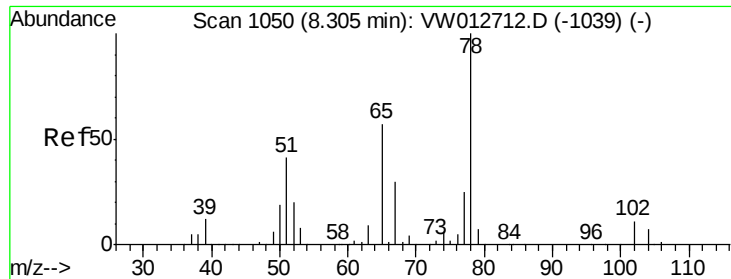
Delta R.T. -0.01 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tgt Ion:	97	Resp:	138817
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.5	77.3
61	47.1	37.9	56.9





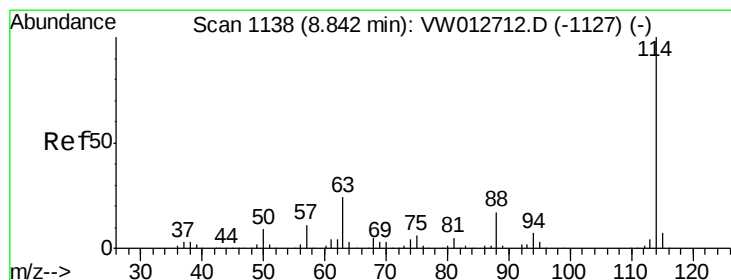
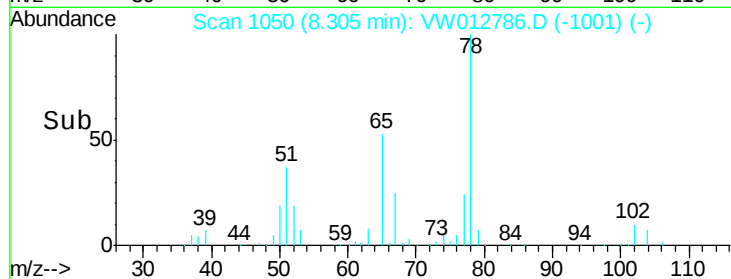
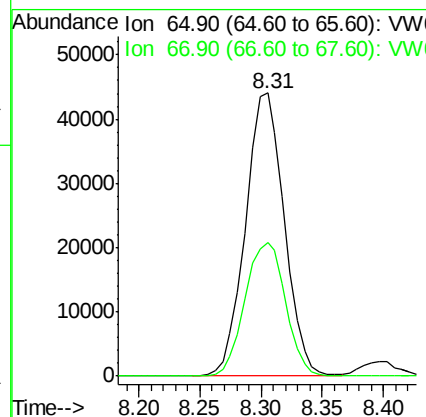
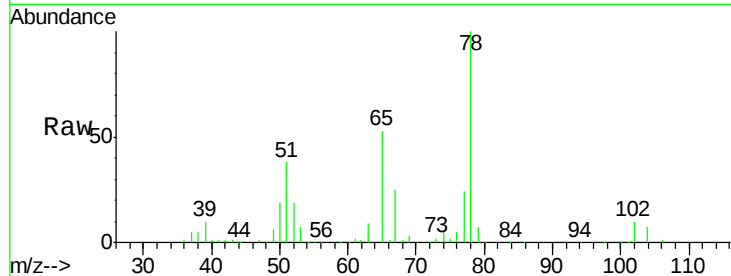
#33
 1,2-Dichloroethane-d4
 Concen: 48.544 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	97221		
67	49.4	0.0	101.8	

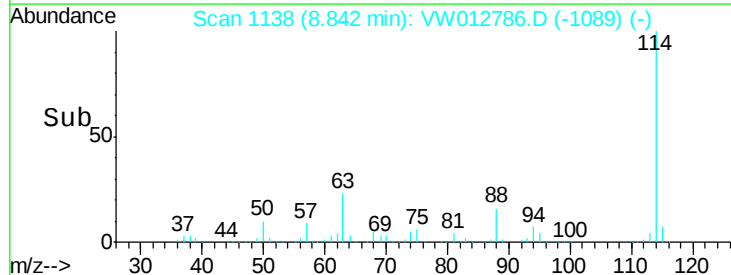
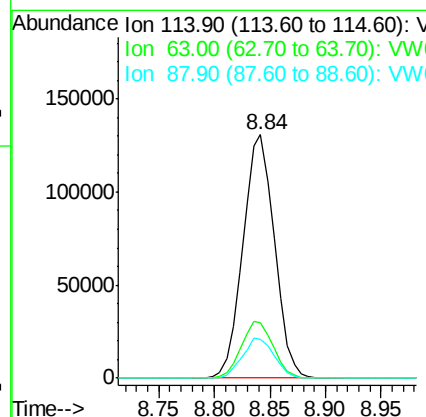
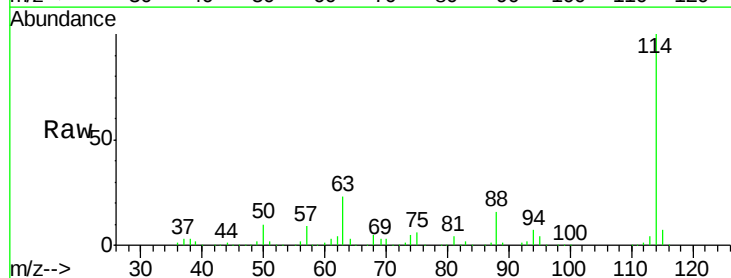
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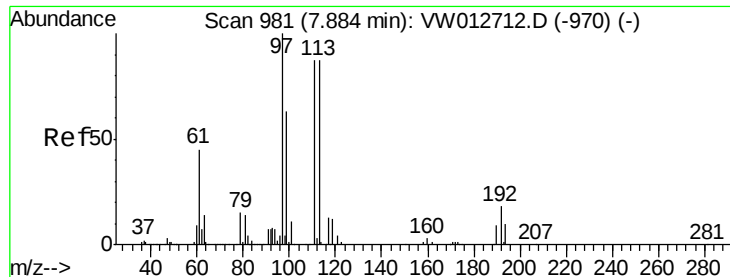
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	256986		
63	22.9	0.0	47.2	
88	16.2	0.0	34.0	





#35

Dibromofluoromethane

Concen: 46.400 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

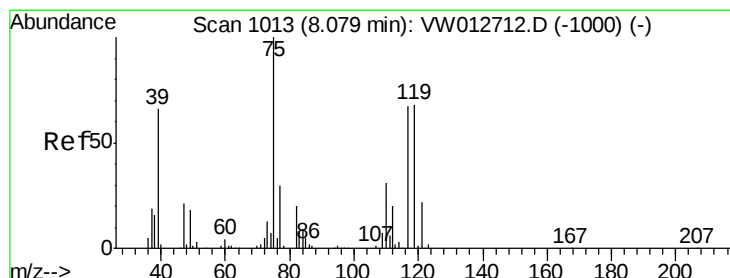
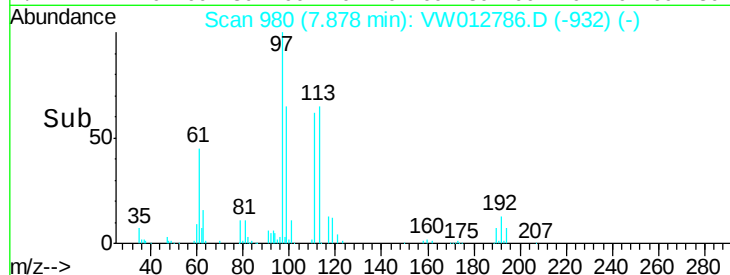
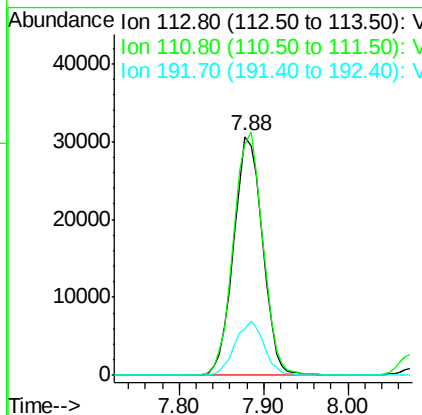
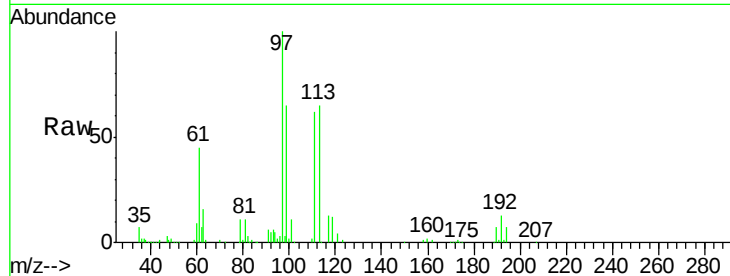
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	70892
Ion Ratio	Lower	Upper	
113	100		
111	103.7	80.2	120.4
192	22.6	17.3	25.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.981 ug/l

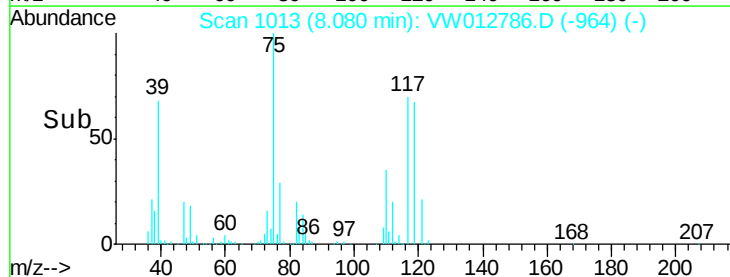
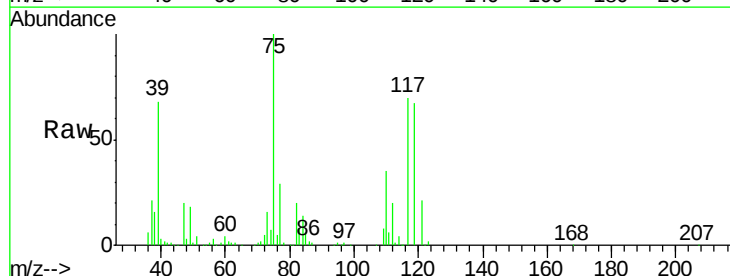
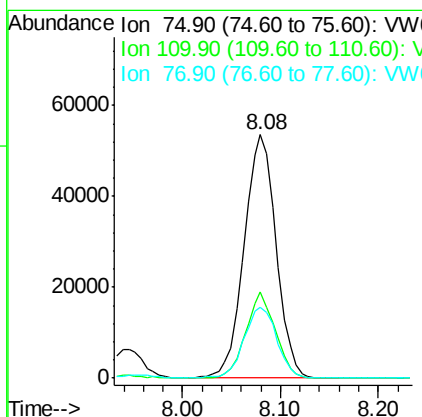
RT: 8.08 min Scan# 1013

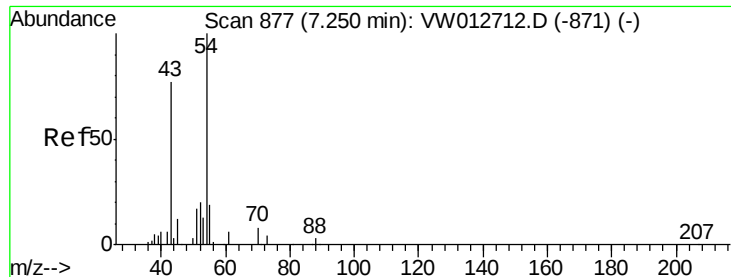
Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tgt Ion:	75	Resp:	120977
Ion Ratio	Lower	Upper	
75	100		
110	32.7	15.9	47.7
77	30.1	25.0	37.4





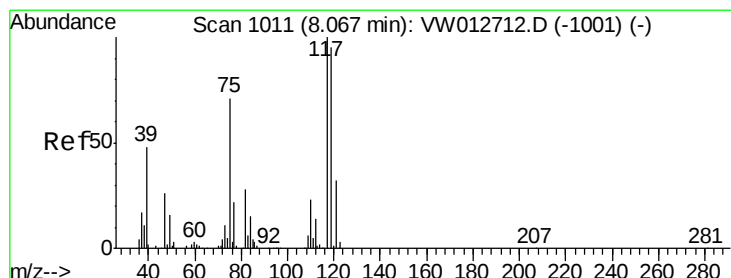
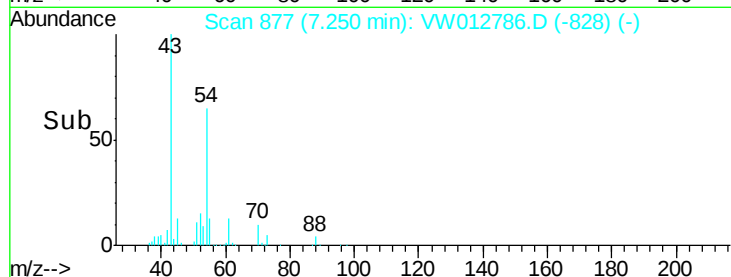
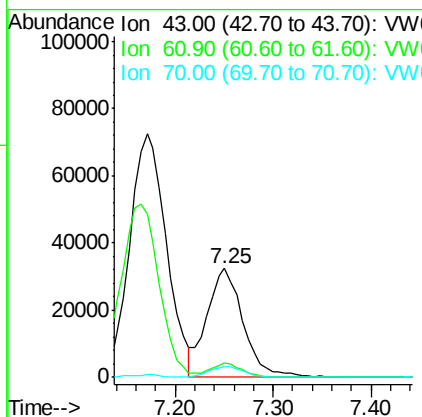
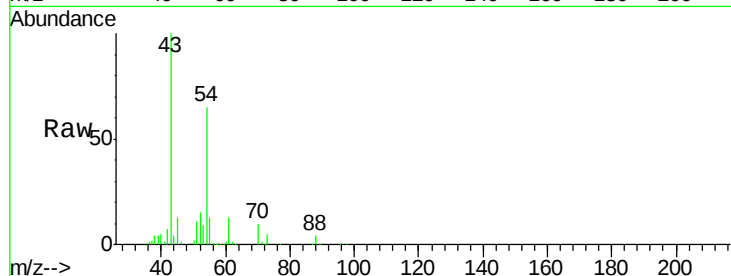
#37
Ethyl Acetate
Concen: 56.753 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.5	14.3
70	9.3	7.0	10.6

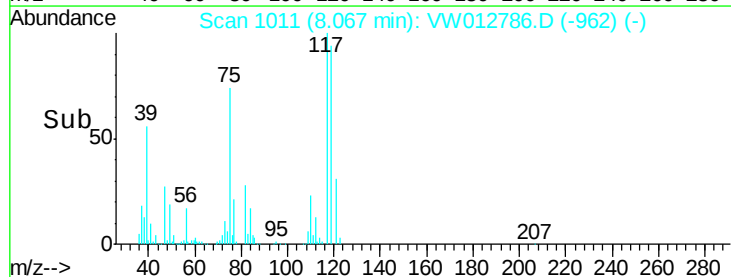
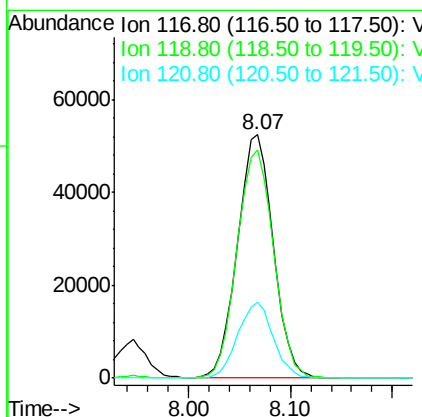
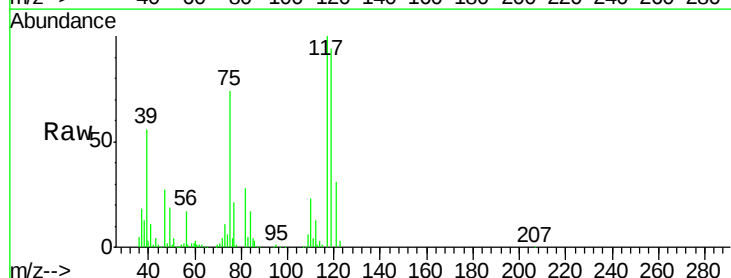
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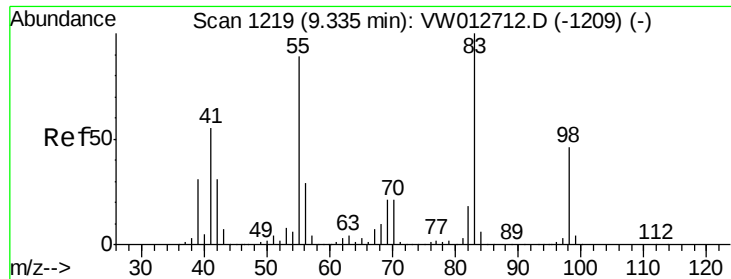
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#38
Carbon Tetrachloride
Concen: 56.806 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.2	114.2
121	31.3	25.4	38.2





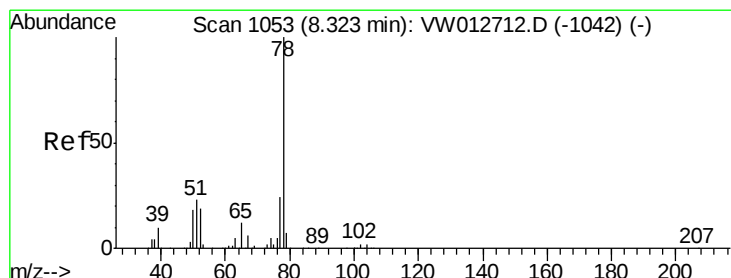
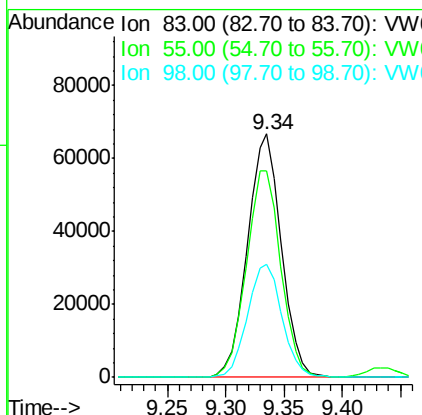
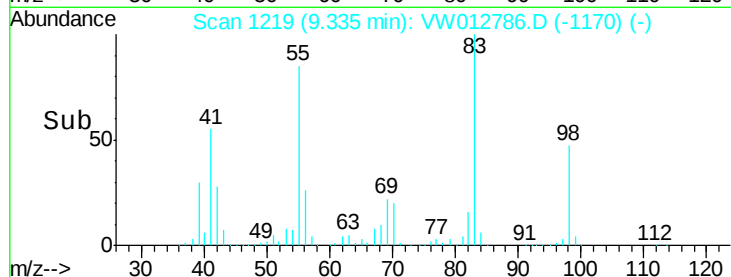
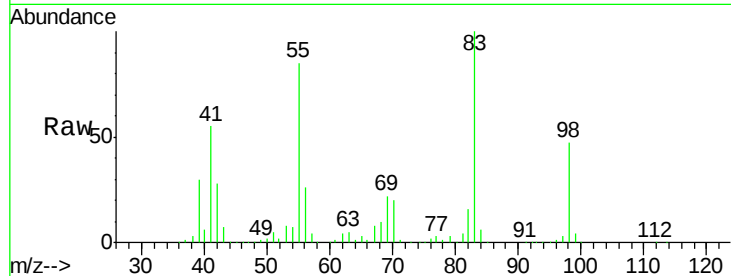
#39
Methvlcvclohexane
Concen: 52.578 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	134839
Ion Ratio	Lower	Upper	
83	100		
55	84.8	71.0	106.4
98	46.5	36.9	55.3

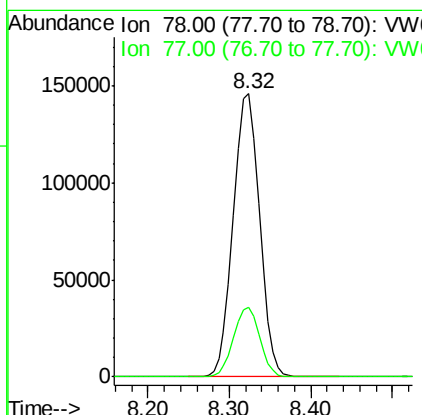
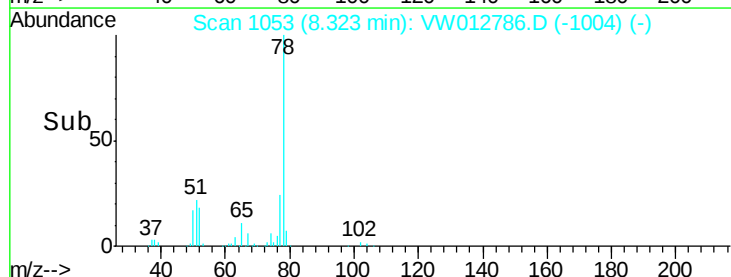
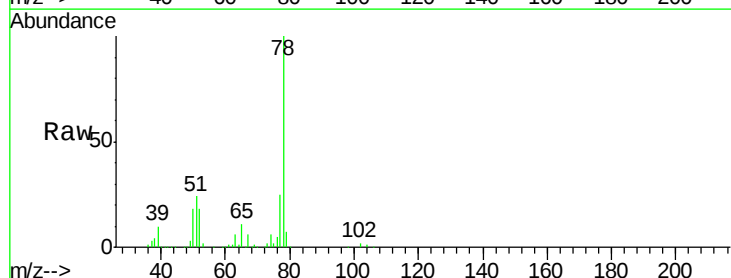
Manual Integrations
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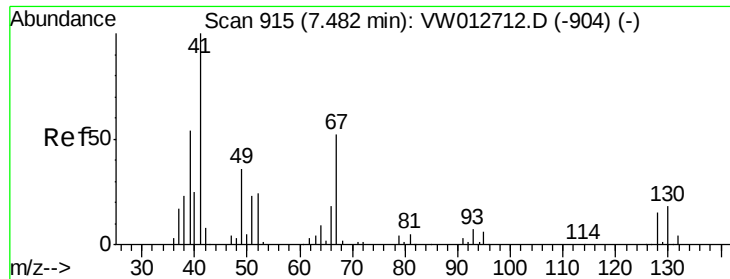
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#40
Benzene
Concen: 51.448 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	78	Resp	325937
Ion Ratio	Lower	Upper	
78	100		
77	24.6	19.3	28.9





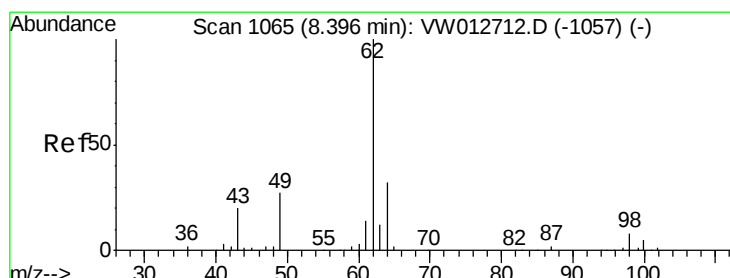
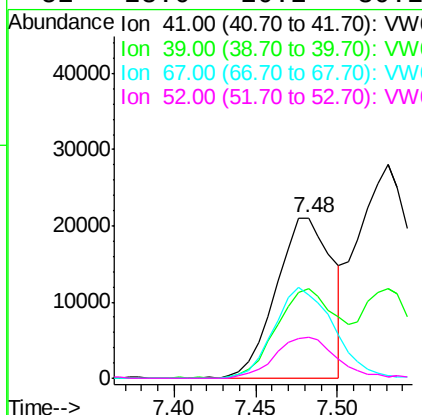
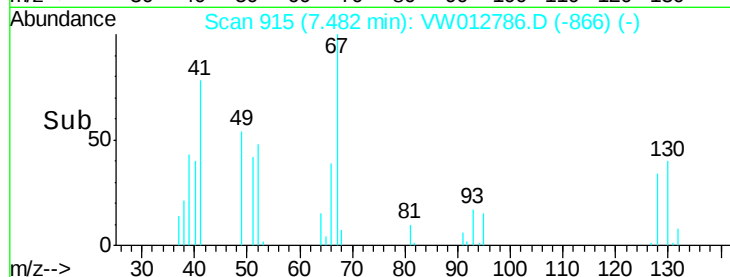
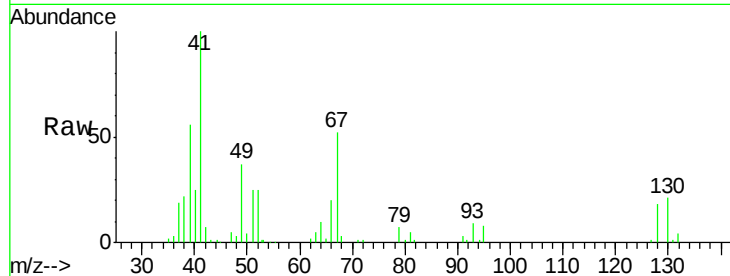
#41
Methacrylonitrile
Concen: 50.904 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	50443
Ion	Ratio	Lower	Upper
41	100		
39	60.6	47.5	71.3
67	59.9	45.1	67.7
52	28.0	20.2	30.2

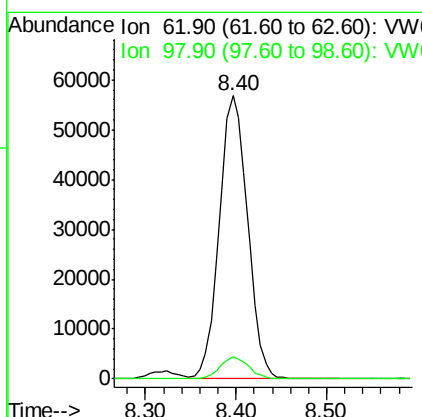
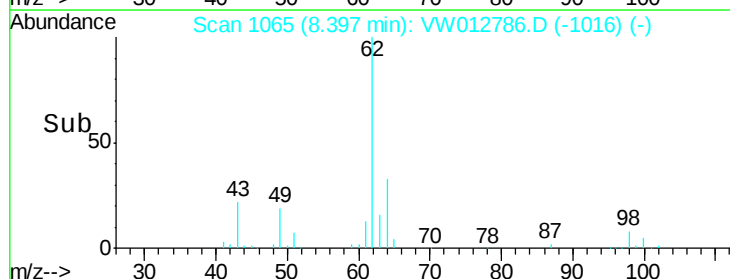
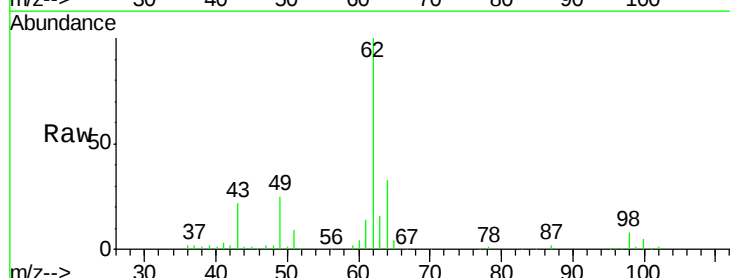
Manual Integrations
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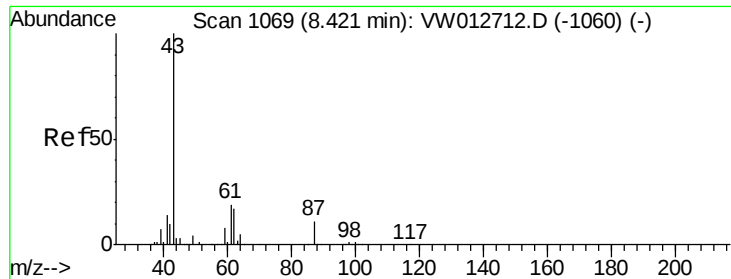
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#42
1,2-Dichloroethane
Concen: 55.578 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion:	62	Resp:	123919
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2





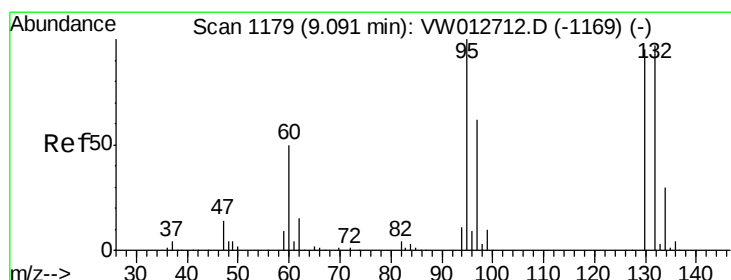
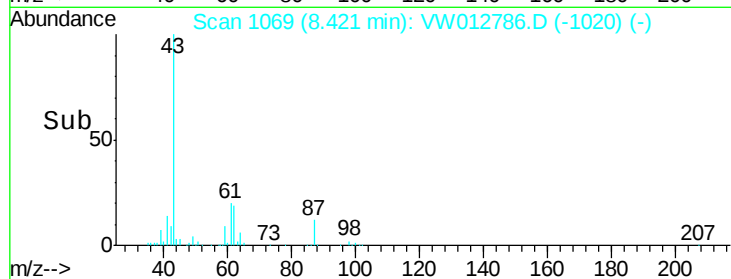
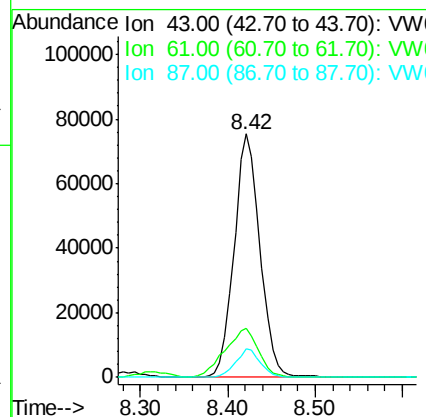
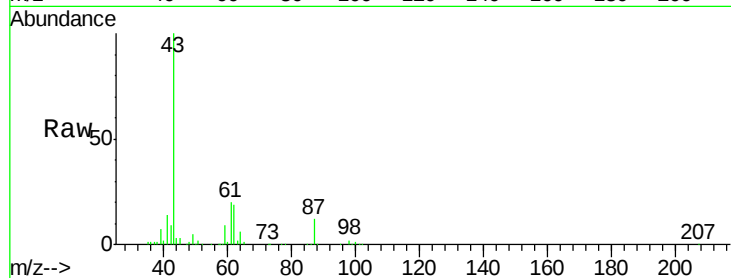
#43
Isopropyl Acetate
Concen: 55.915 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.6	30.8
87	11.3	8.6	13.0

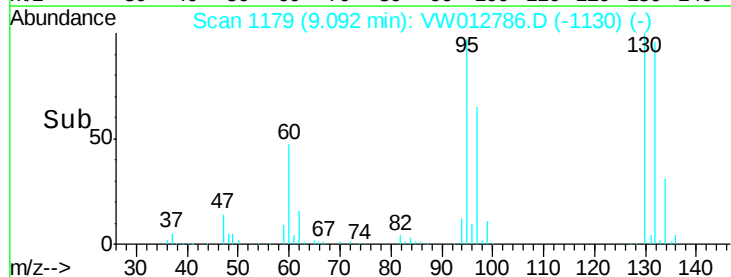
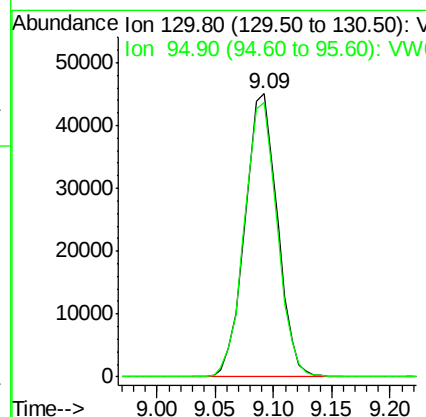
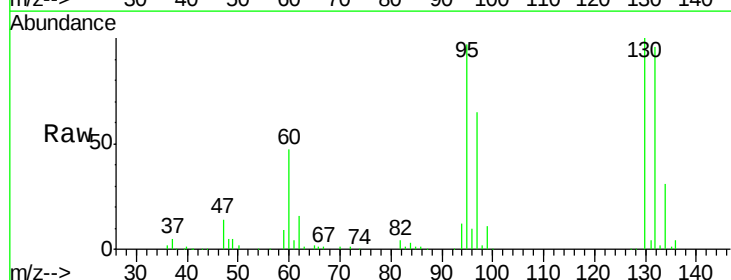
Manual Integrations
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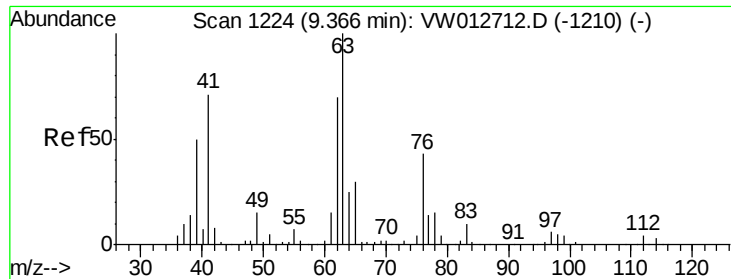
MMDadoda
9/9/2019 11:24:40 AM



#44
Trichloroethene
Concen: 54.026 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	210.6





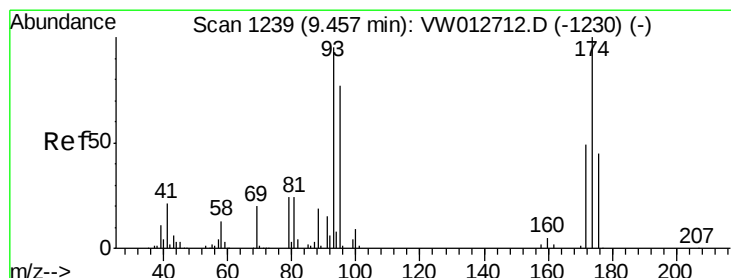
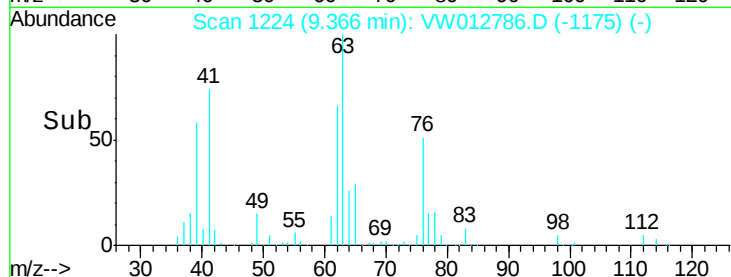
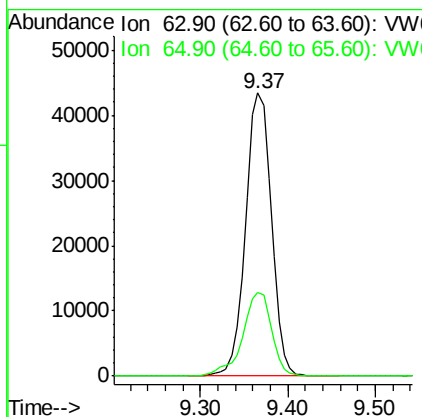
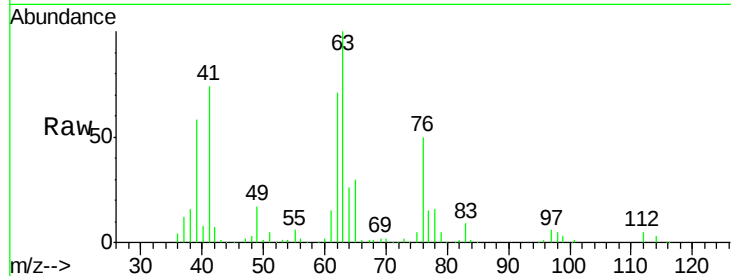
#45
 1,2-Dichloropropane
 Concen: 50.658 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 89012
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.8 35.8

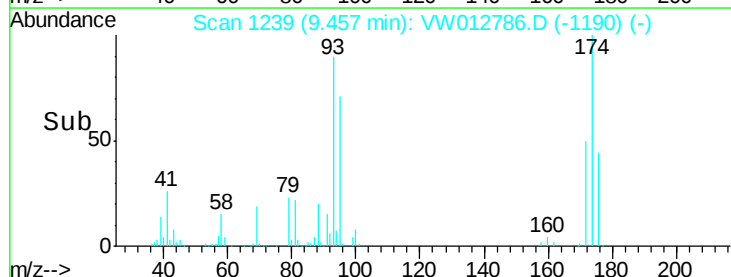
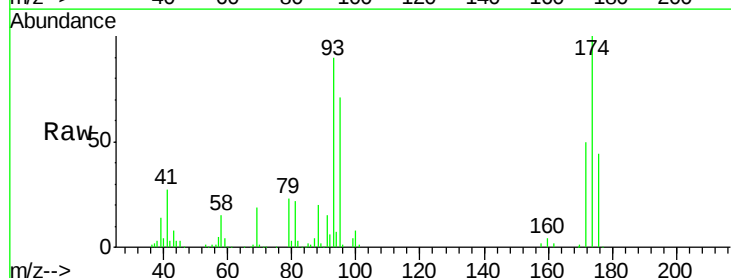
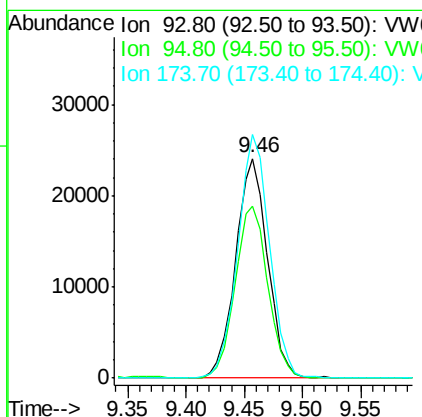
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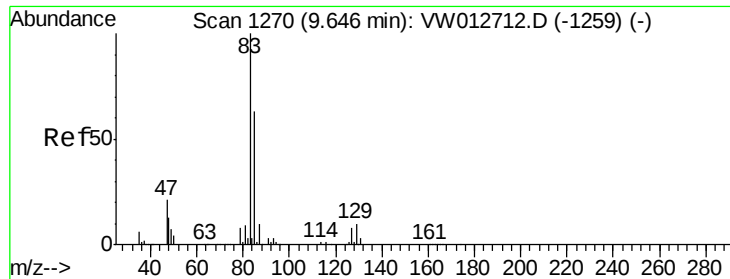
MMDadoda
 9/9/2019 11:24:40 AM



#46
 Dibromomethane
 Concen: 55.241 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Tgt Ion: 93 Resp: 45964
 Ion Ratio Lower Upper
 93 100
 95 80.7 65.2 97.8
 174 110.6 84.2 126.4





#47

Bromodichloromethane

Concen: 53.481 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

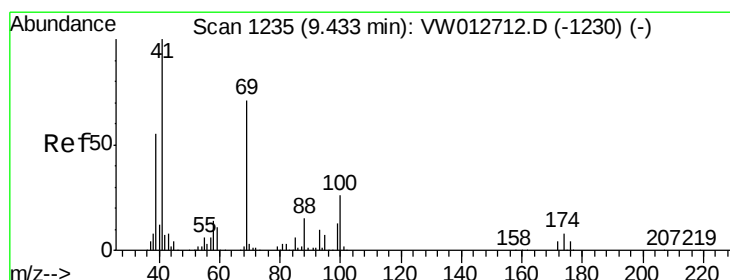
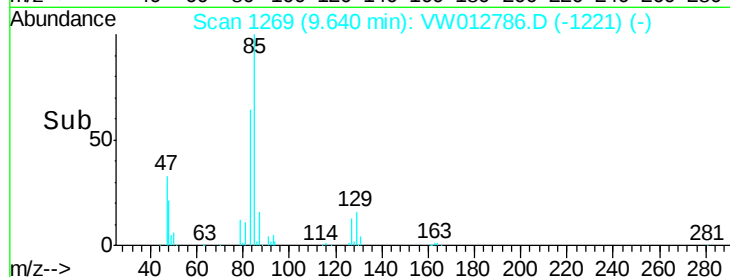
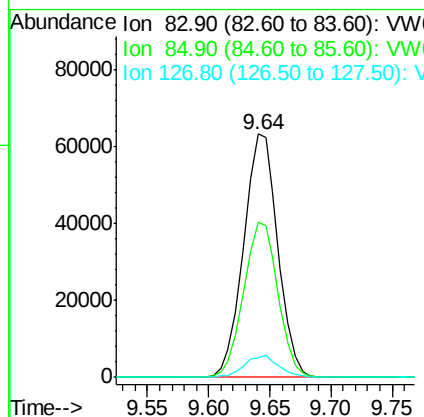
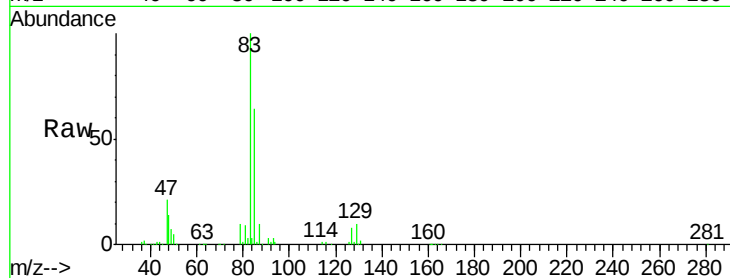
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	122428
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.2	75.2
127	8.0	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.316 ug/l

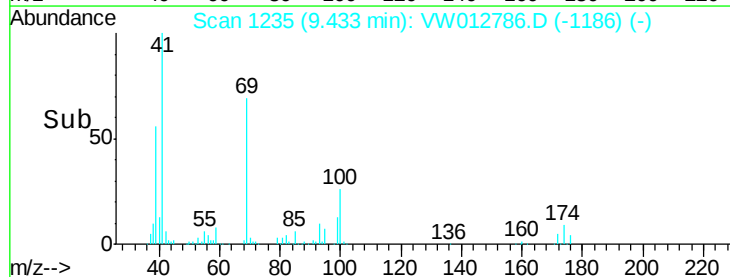
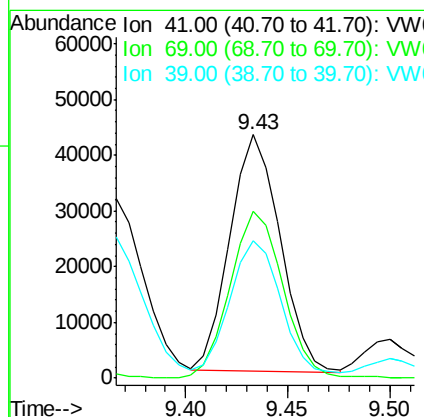
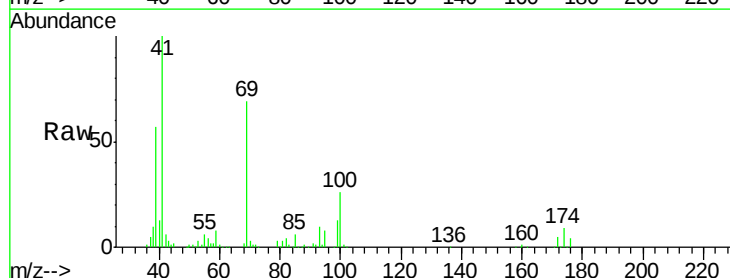
RT: 9.43 min Scan# 1235

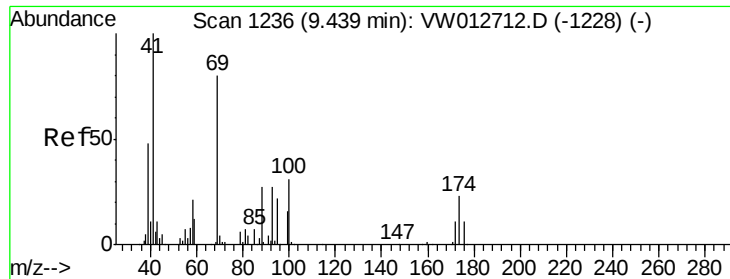
Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tgt Ion:	41	Resp:	72900
Ion Ratio	Lower	Upper	
41	100		
69	73.7	59.8	89.8
39	60.6	47.0	70.6





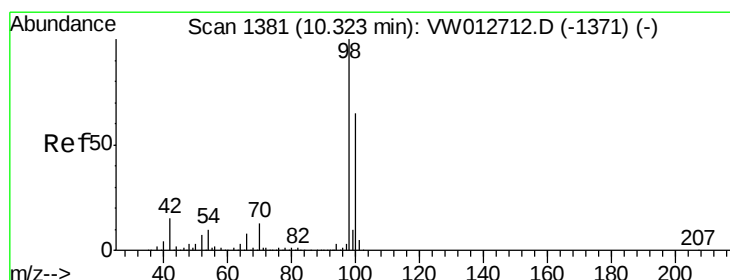
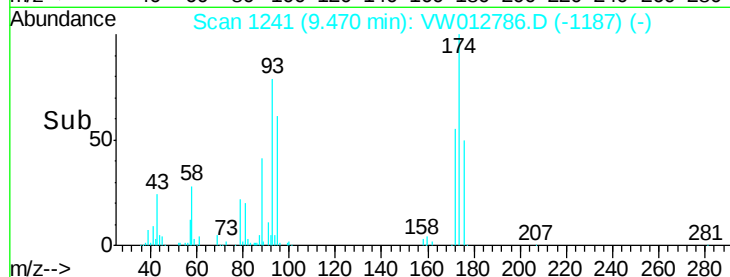
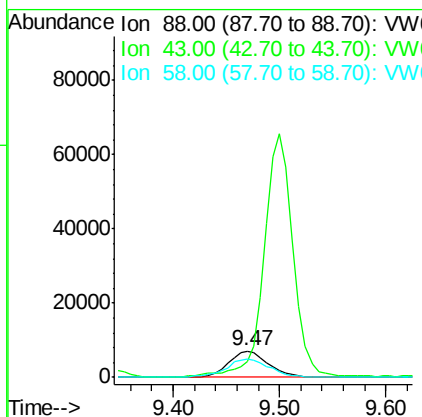
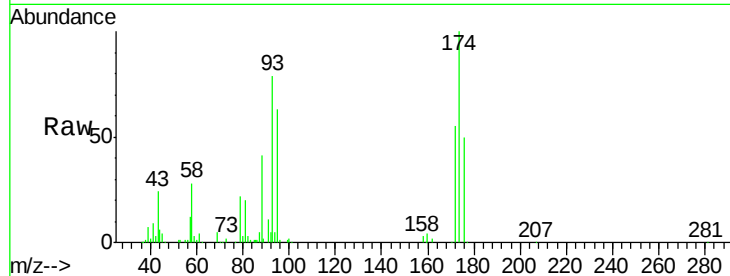
#49
 1,4-Dioxane
 Concen: 1117.636 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.03 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	18369		
43	0.0	34.8	52.2#	
58	76.2	64.1	96.1	

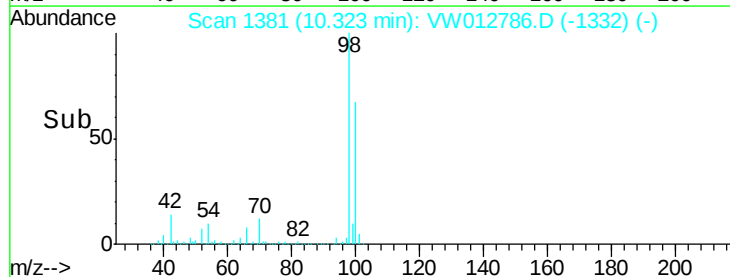
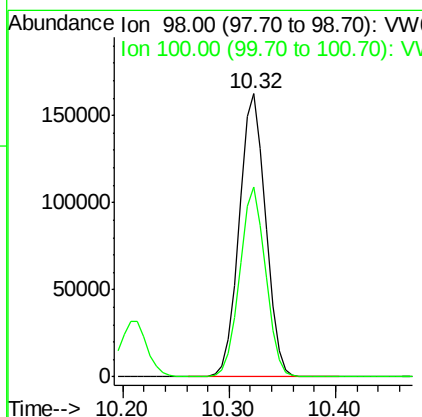
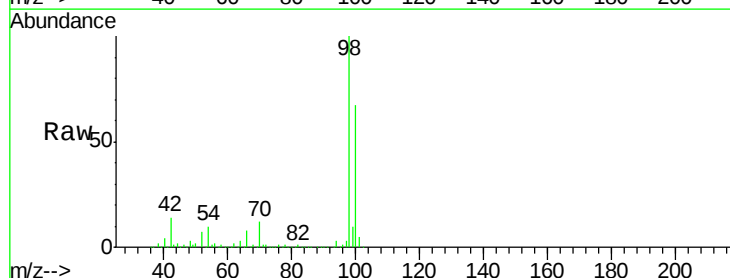
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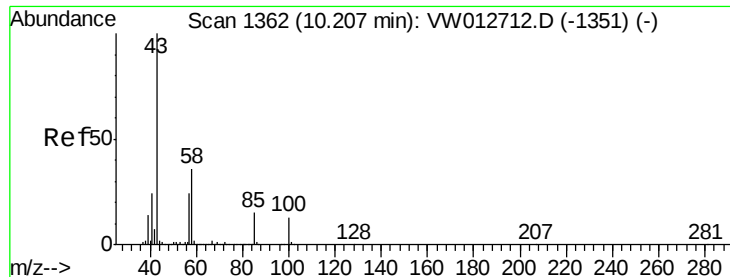
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#50
 Toluene-d8
 Concen: 47.337 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	283351		
100	65.9	52.2	78.4	





#51

4-Methyl-2-Pentanone

Concen: 288.902 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 418058

Ion Ratio Lower Upper

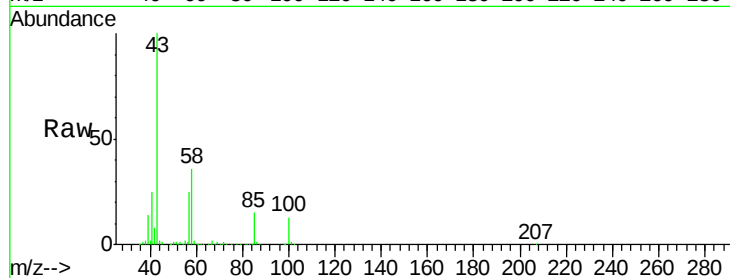
43 100

58 36.1 28.4 42.6

Manual Integrations
APPROVED

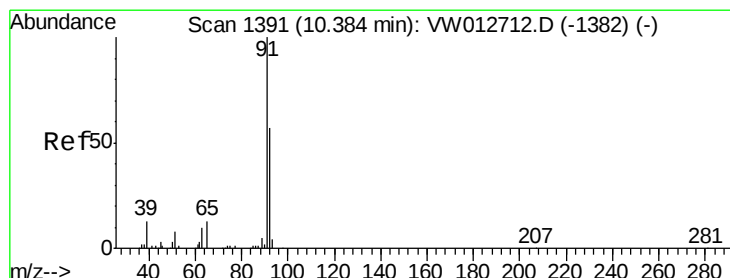
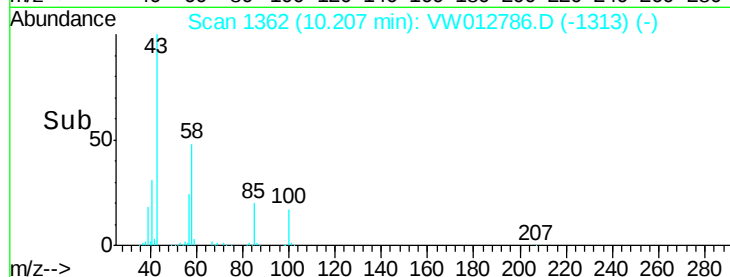
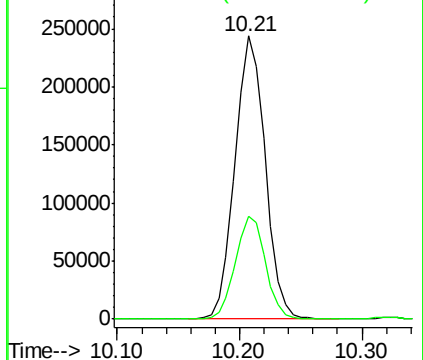
MMDadoda

9/9/2019 11:24:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 51.361 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012786.D

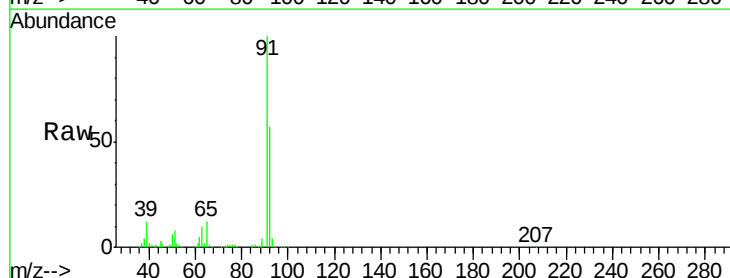
Acq: 08 Sep 2019 23:04

Tgt Ion: 92 Resp: 203088

Ion Ratio Lower Upper

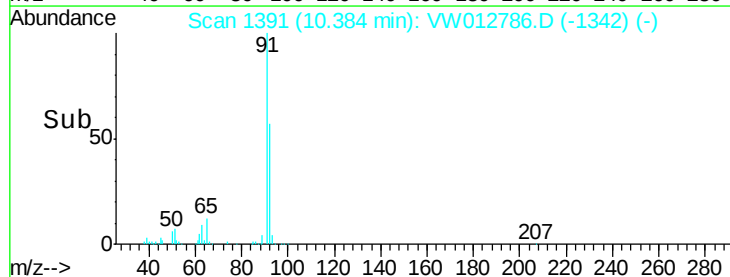
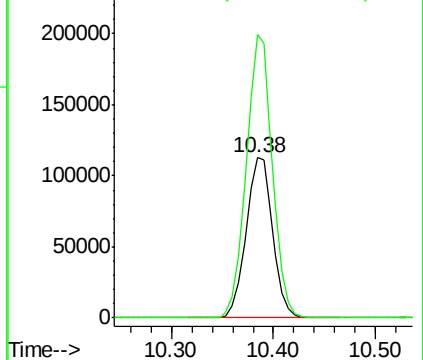
92 100

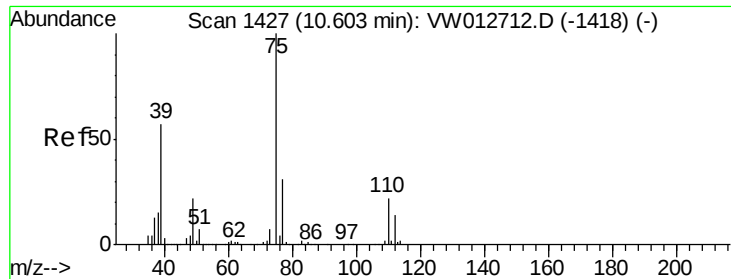
91 174.2 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





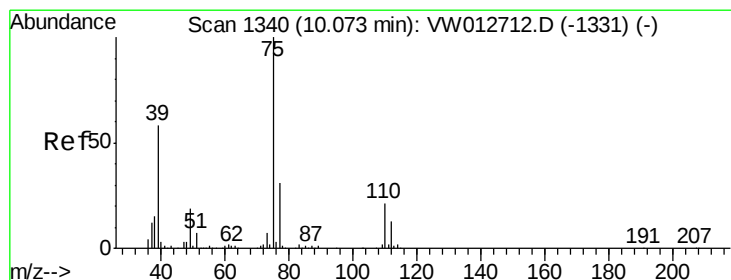
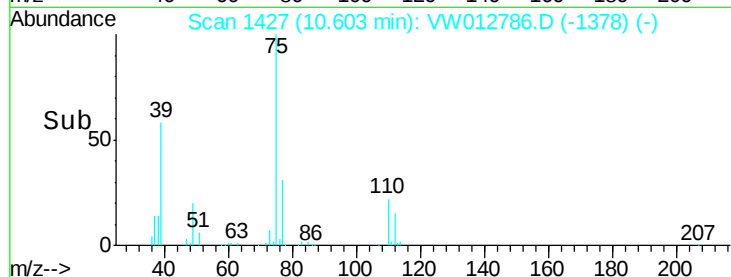
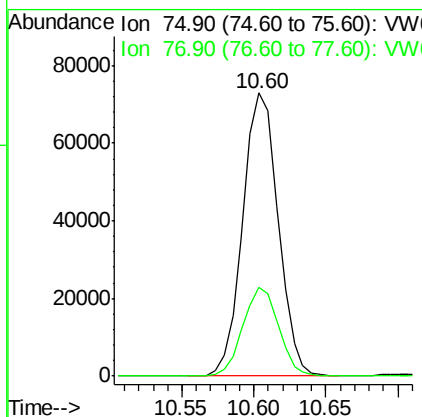
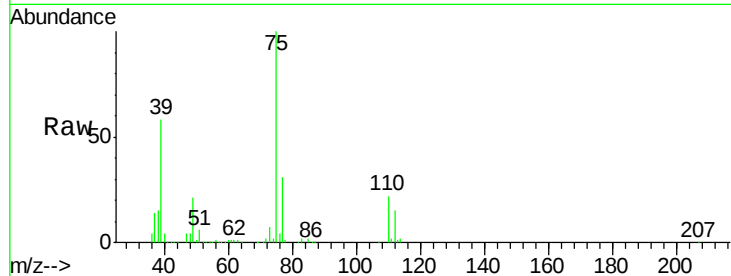
#53
 t-1,3-Dichloropropene
 Concen: 52.877 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 124468
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.7 37.1

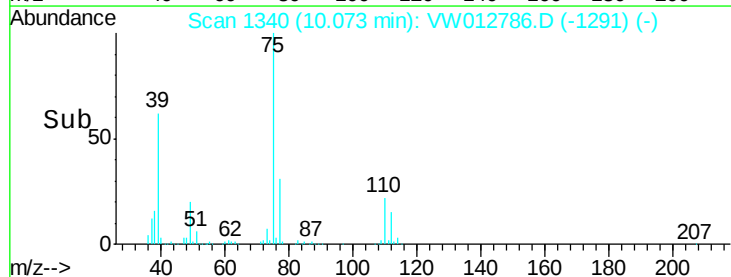
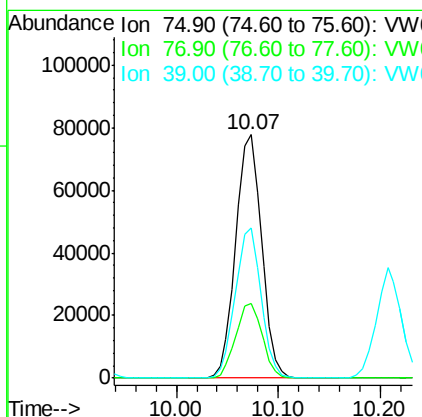
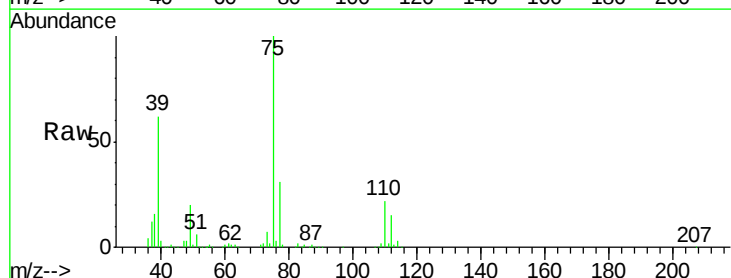
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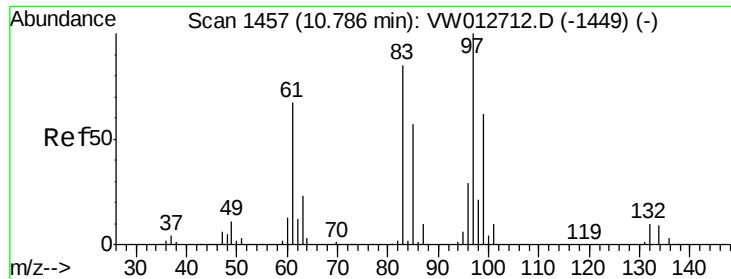
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#54
 cis-1,3-Dichloropropene
 Concen: 51.249 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Tgt Ion: 75 Resp: 136851
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 36.8
 39 61.7 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 55.376 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

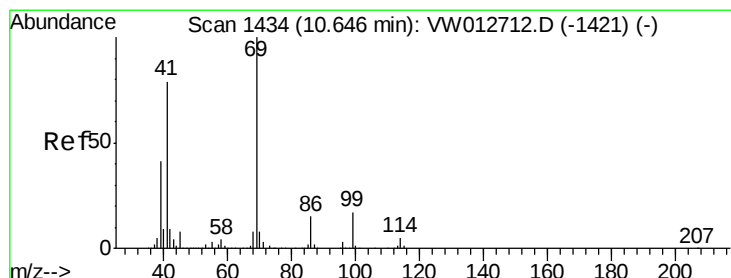
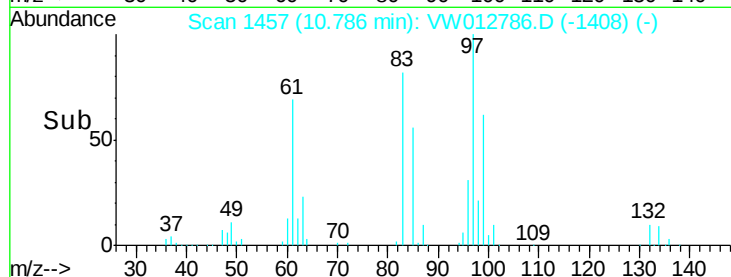
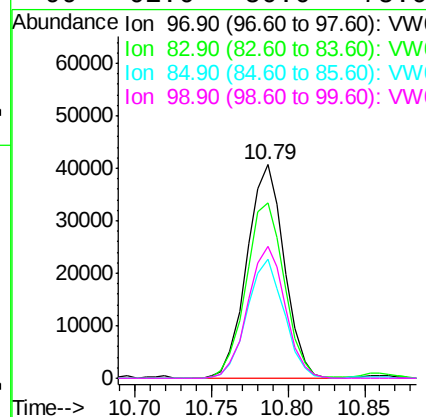
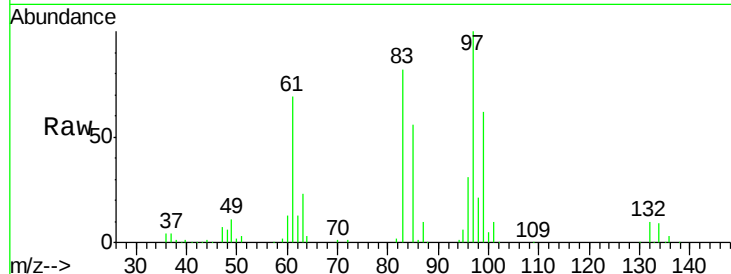
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	68982
Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.1	102.1
85	55.9	45.3	67.9
99	61.6	50.0	75.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.789 ug/l

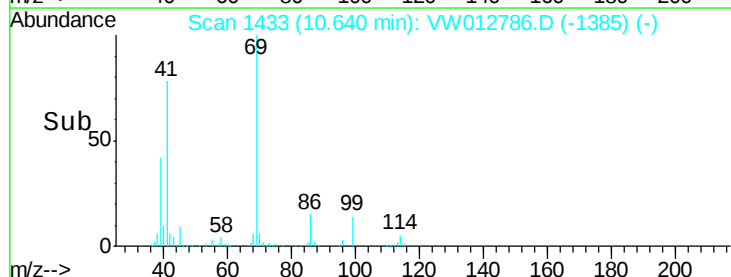
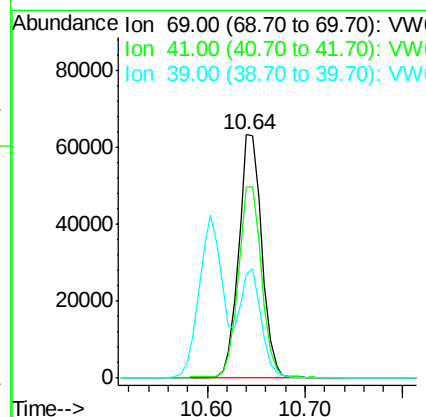
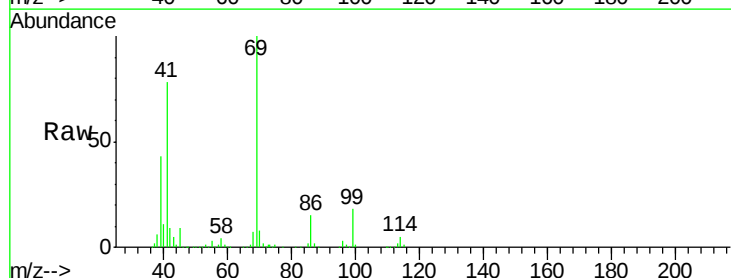
RT: 10.64 min Scan# 1433

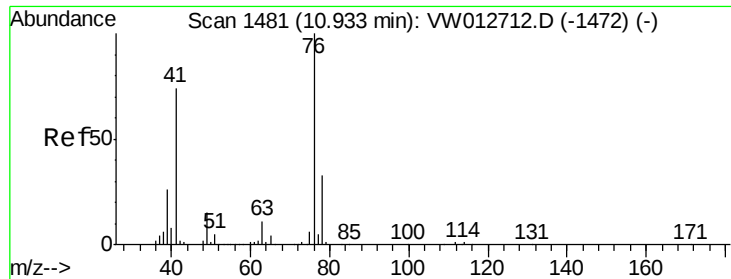
Delta R.T. -0.01 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tgt Ion:	69	Resp:	103551
Ion	Ratio	Lower	Upper
69	100		
41	78.4	64.4	96.6
39	38.6	31.1	46.7





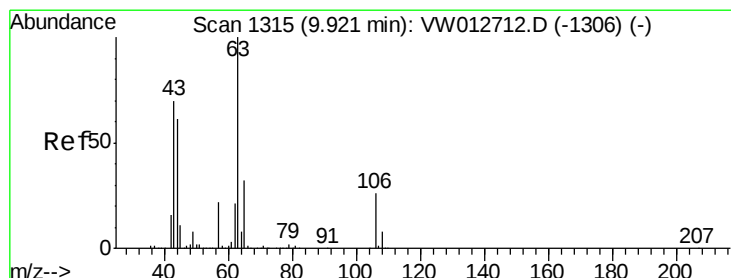
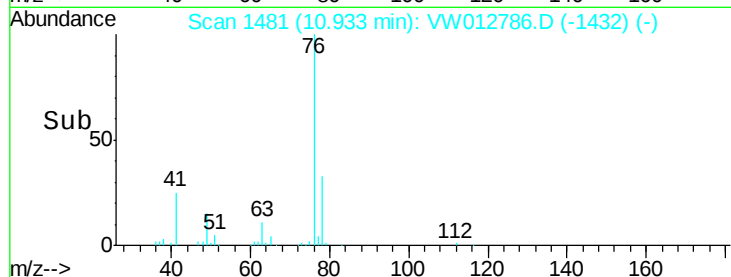
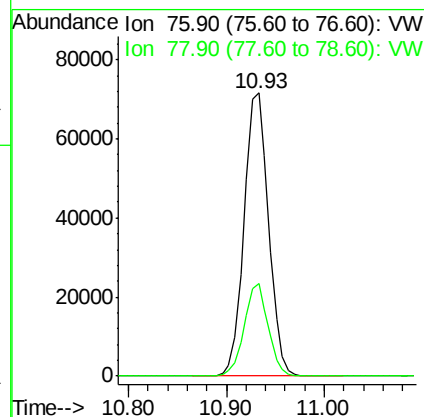
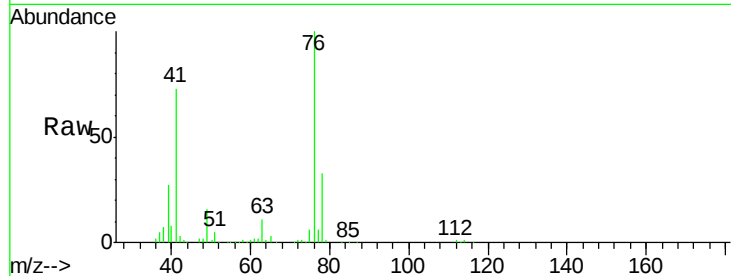
#57
 1,3-Dichloropropane
 Concen: 53.901 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.9	38.9

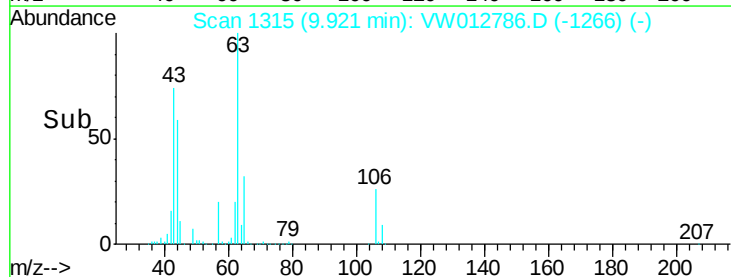
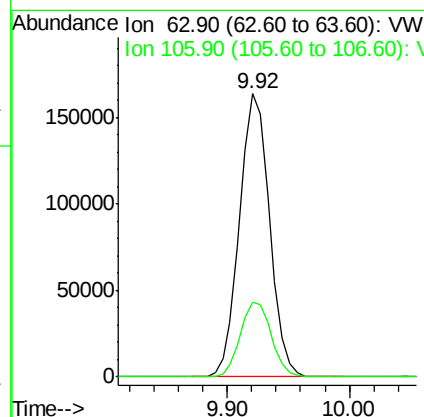
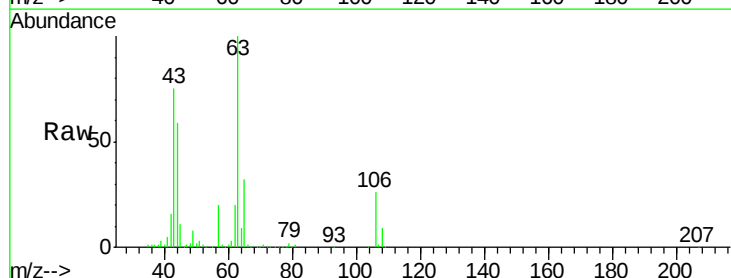
Manual Integrations
 APPROVED

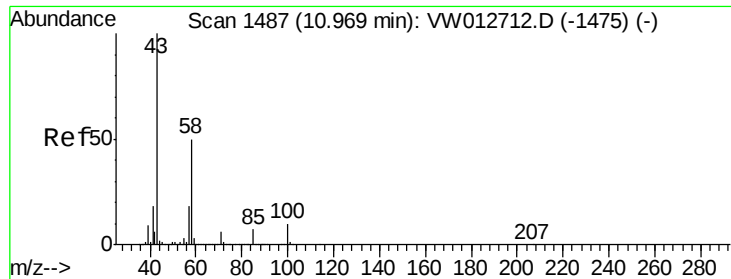
MMDadoda
 9/9/2019 11:24:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.056 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	20.5	30.7





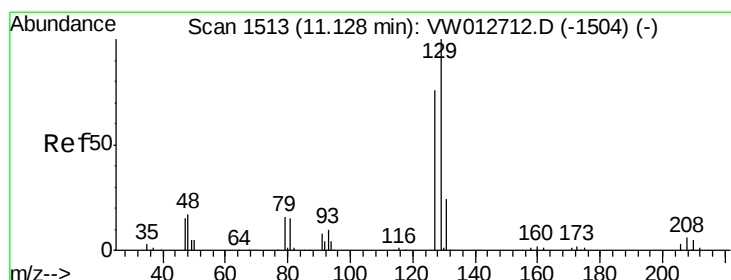
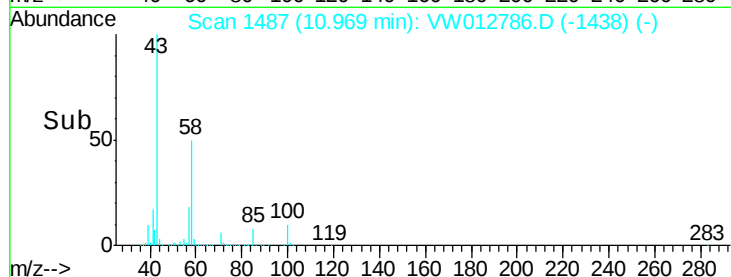
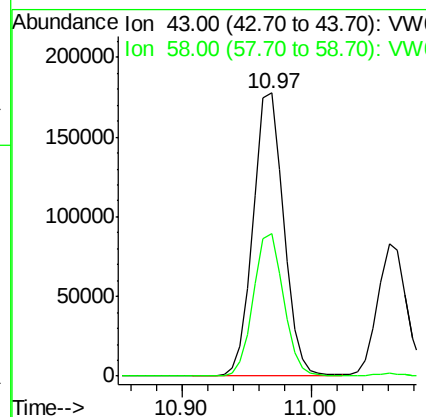
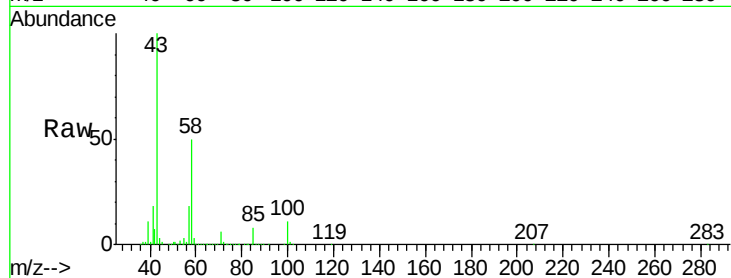
#59
2-Hexanone
Concen: 275.651 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 291417
Ion Ratio Lower Upper
43 100
58 49.8 24.7 74.1

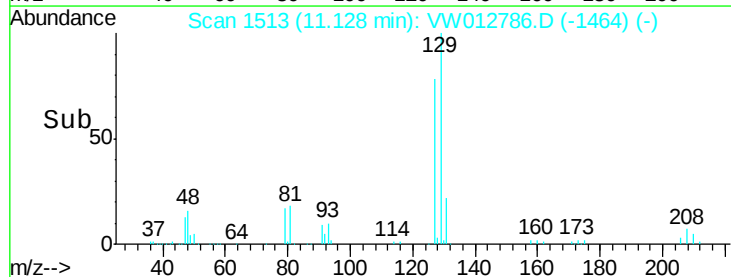
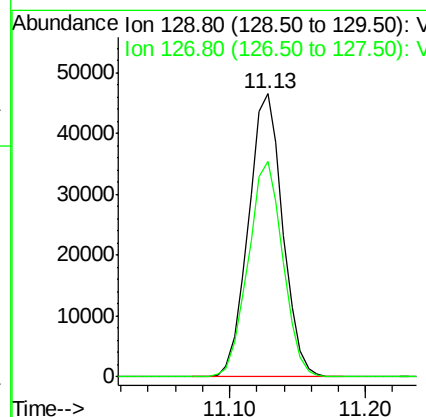
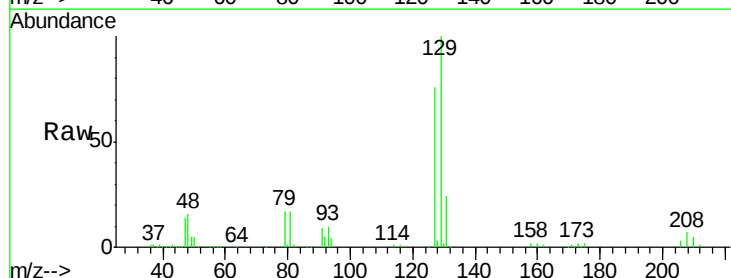
Manual Integrations
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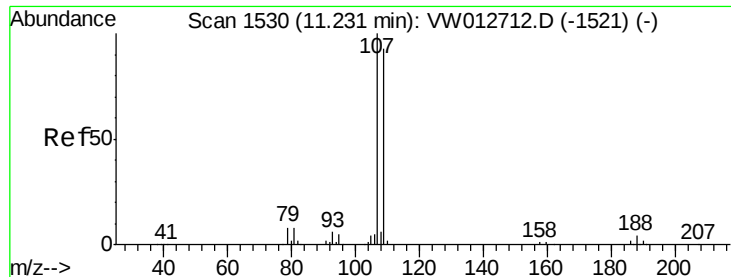
MMDadoda
9/9/2019 11:24:40 AM



#60
Dibromochloromethane
Concen: 56.094 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion: 129 Resp: 82180
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





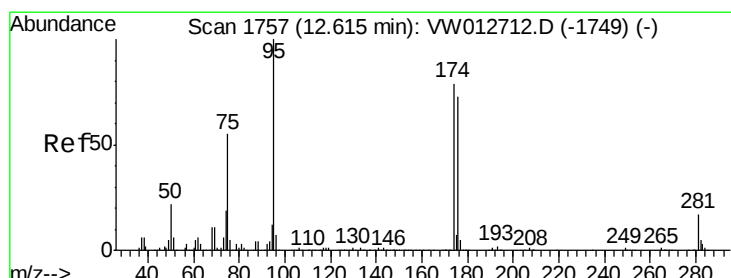
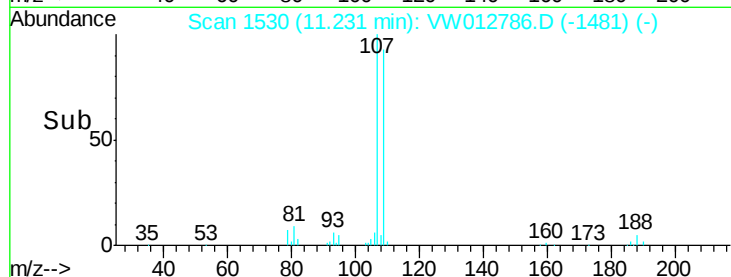
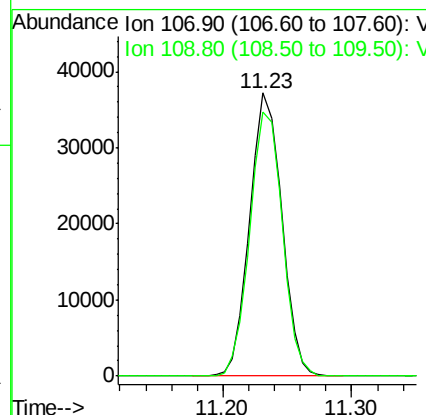
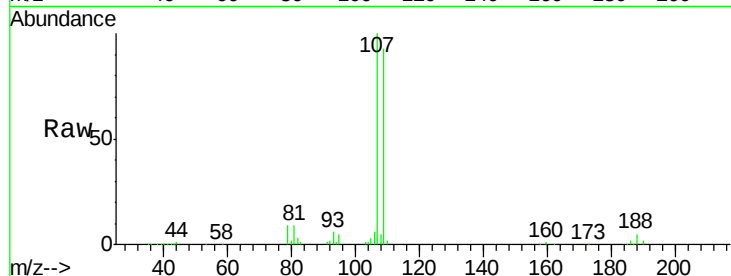
#61
 1,2-Dibromoethane
 Concen: 56.105 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.0	112.6

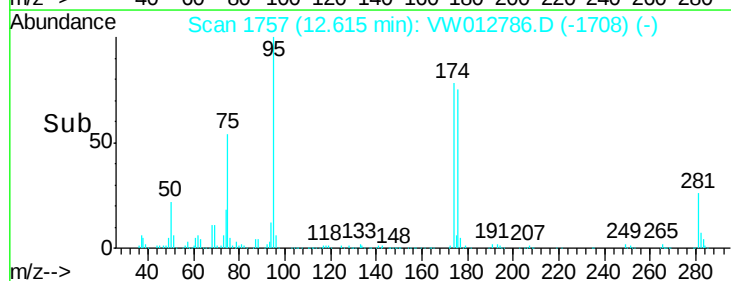
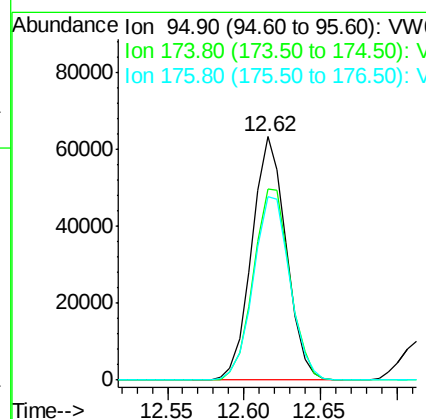
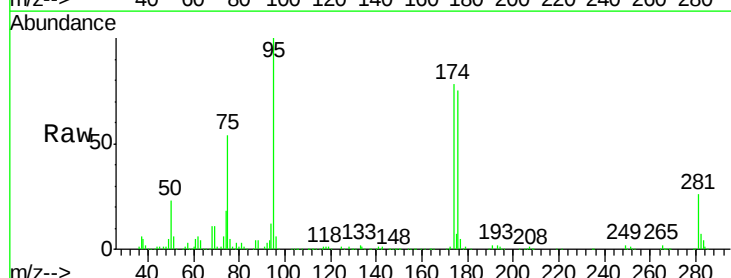
Manual Integrations
 APPROVED

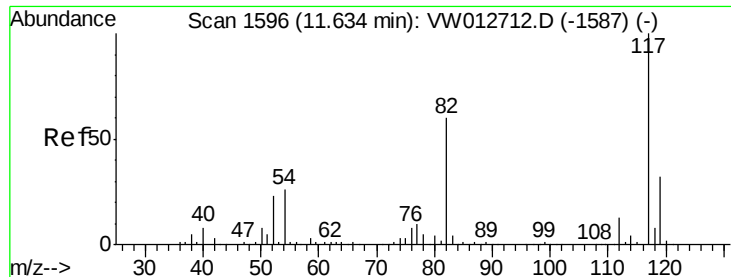
MMDadoda
 9/9/2019 11:24:40 AM



#62
 4-Bromofluorobenzene
 Concen: 45.529 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	161.0
176	80.4	0.0	156.4





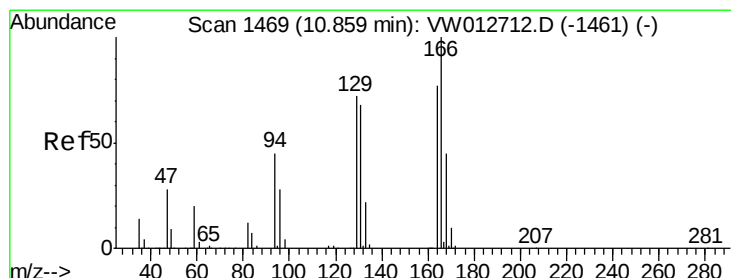
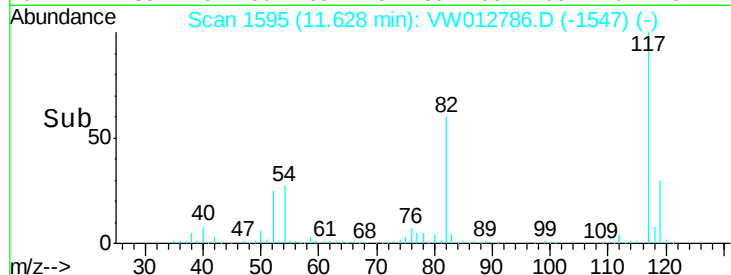
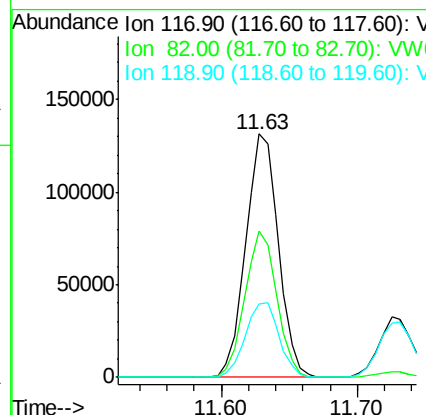
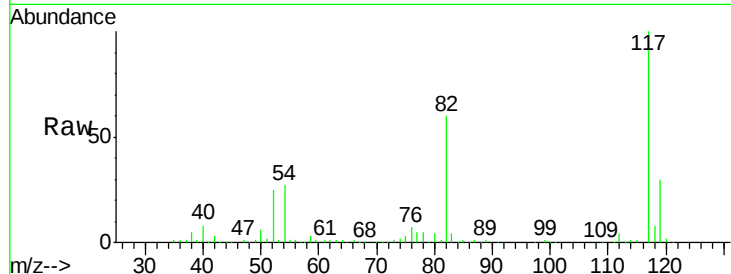
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	220555		
82	60.2	48.2	72.4	
119	30.3	25.8	38.6	

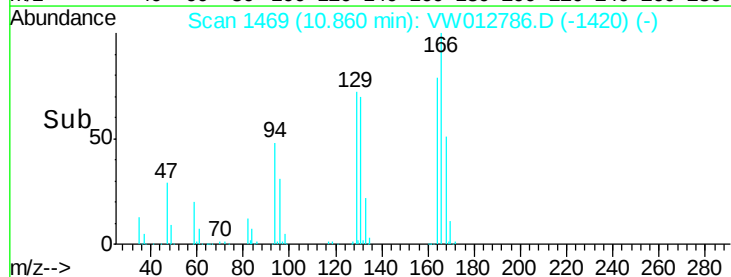
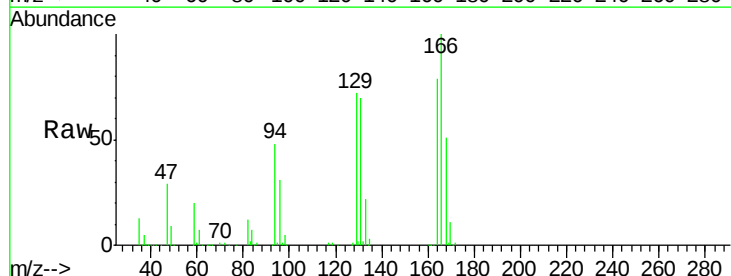
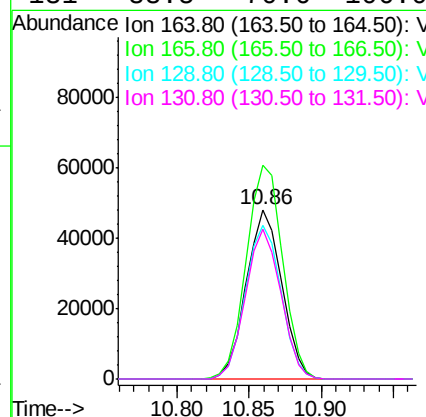
Manual Integrations
APPROVED

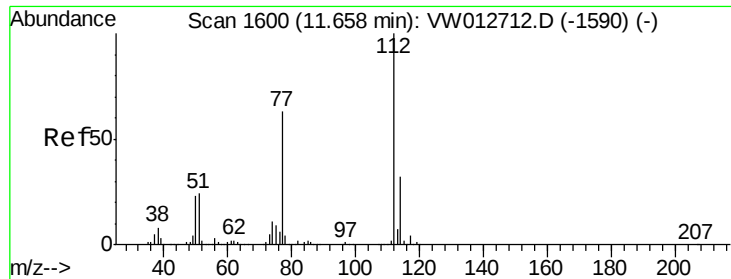
MMDadoda
9/9/2019 11:24:40 AM



#64
Tetrachloroethene
Concen: 61.256 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81977		
166	126.1	103.6	155.4	
129	90.4	74.6	112.0	
131	88.5	70.6	106.0	





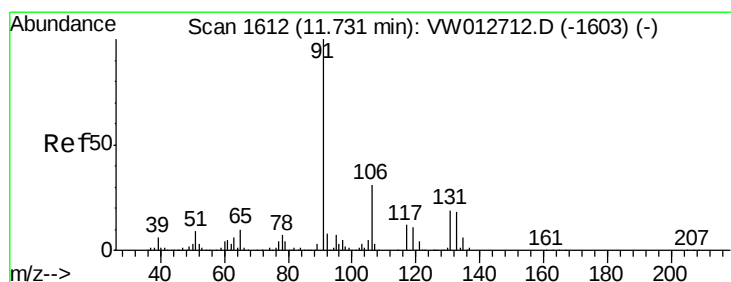
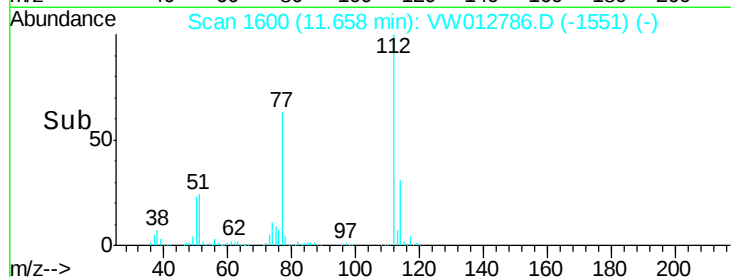
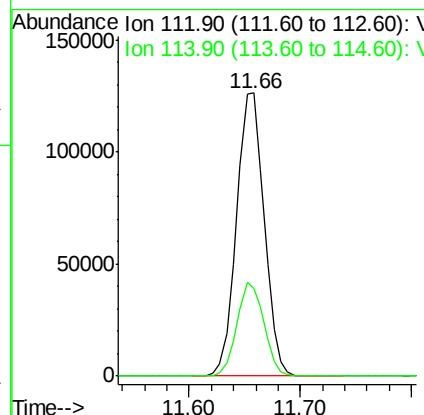
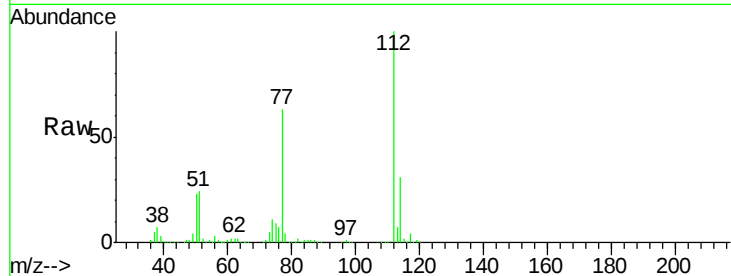
#65
Chlorobenzene
Concen: 52.204 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	217618		
114	30.9	25.3	37.9	

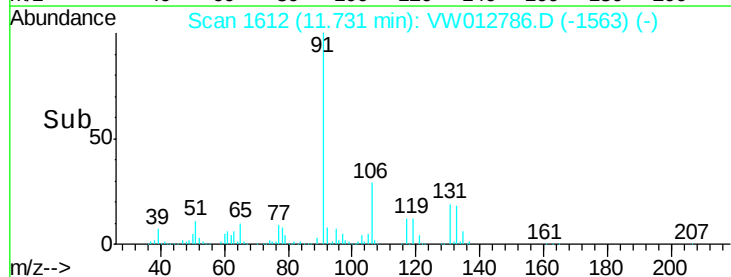
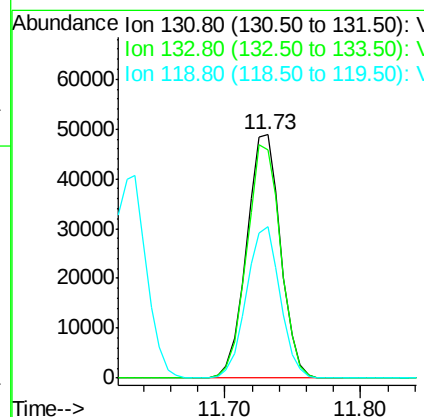
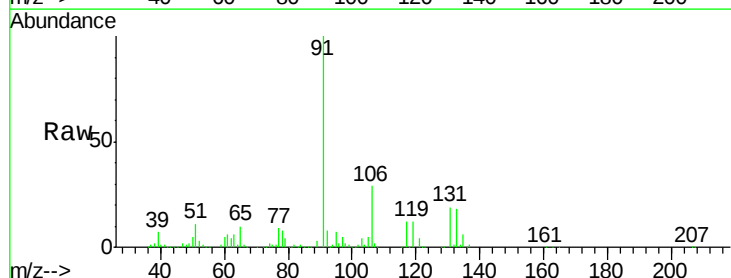
Manual Integrations
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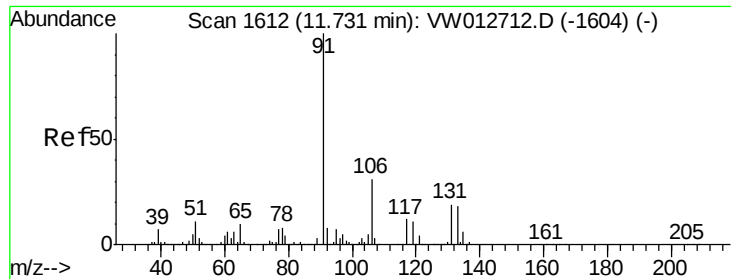
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.917 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	85253		
133	95.9	47.6	142.8	
119	61.6	30.6	92.0	





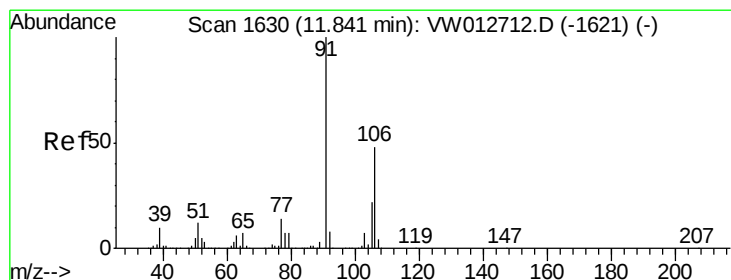
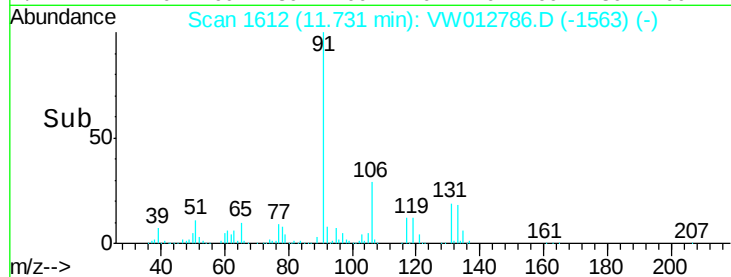
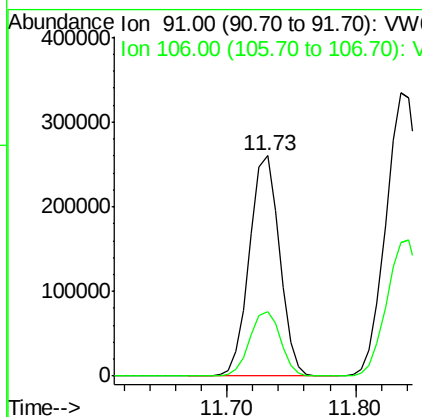
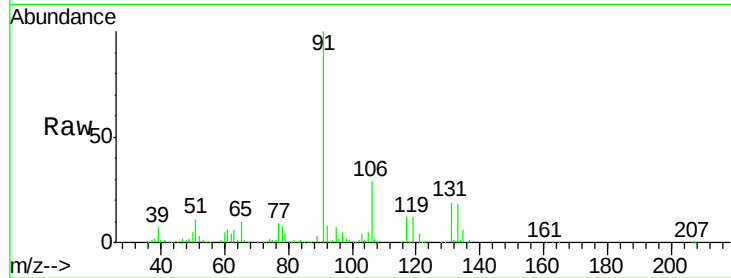
#67
Ethyl Benzene
Concen: 53.683 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 419867
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6

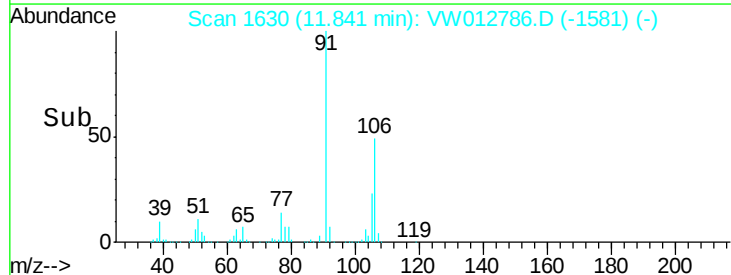
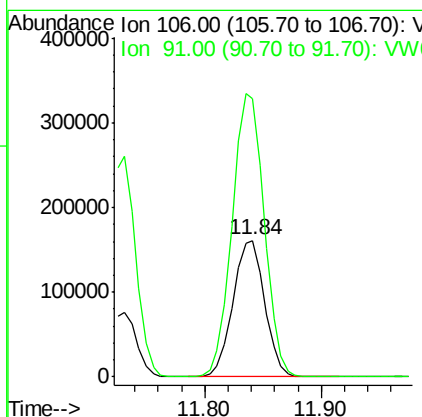
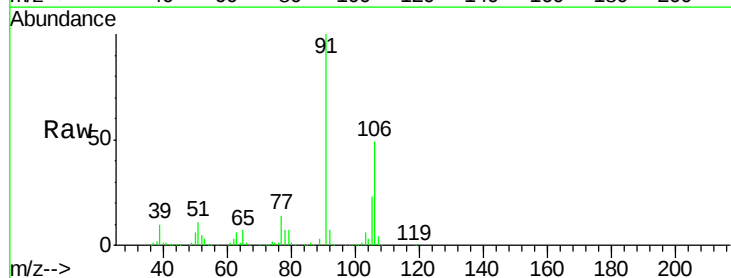
Manual Integrations
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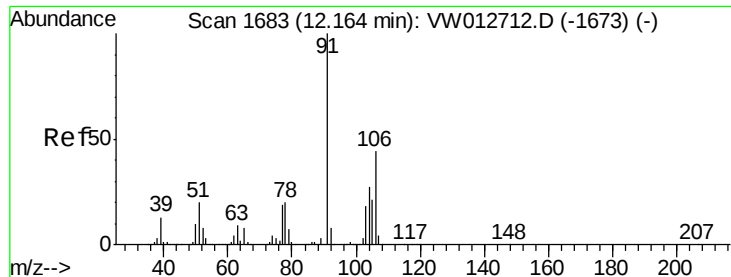
MMDadoda
9/9/2019 11:24:40 AM



#68
m/p-Xylenes
Concen: 108.495 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion: 106 Resp: 306294
Ion Ratio Lower Upper
106 100
91 208.8 168.2 252.4





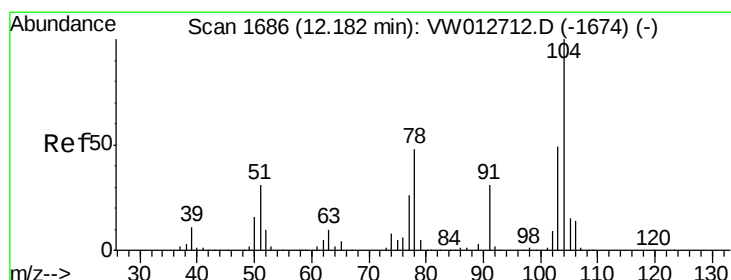
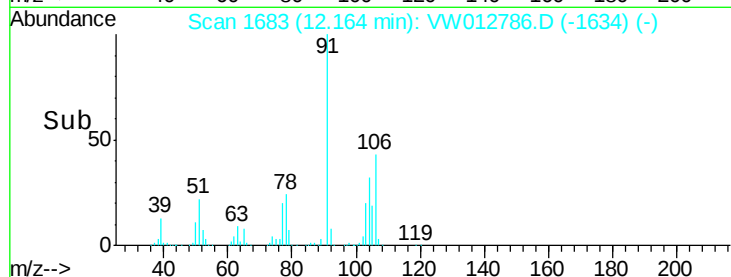
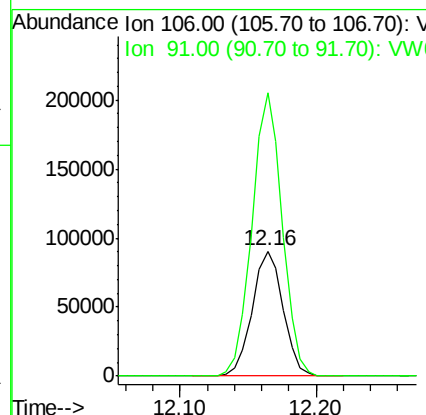
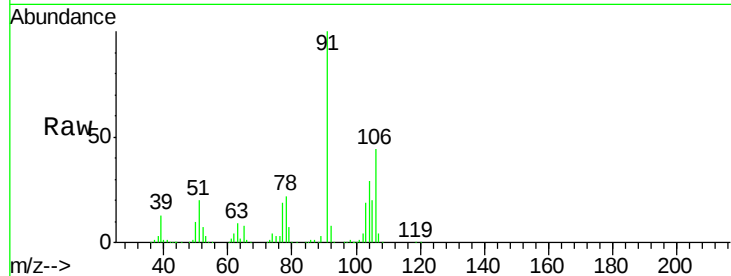
#69
o-Xylene
Concen: 54.122 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	144148		
91	91	221.4	112.3	336.8	

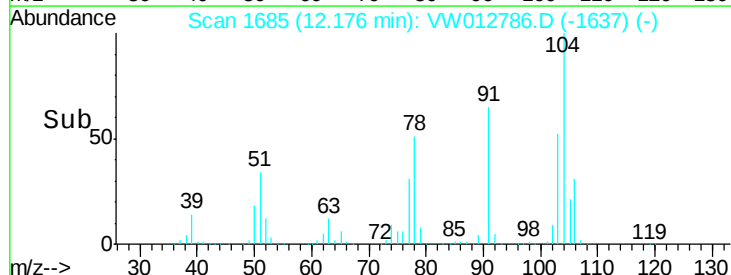
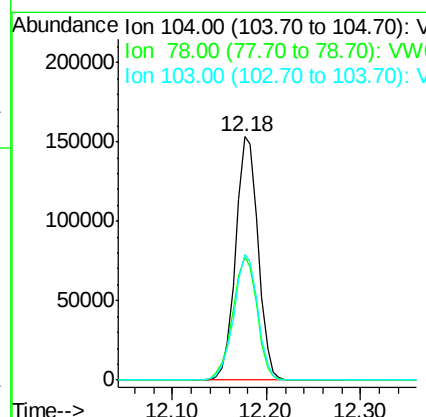
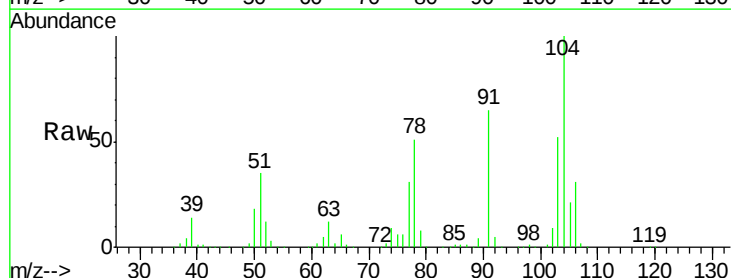
Manual Integrations
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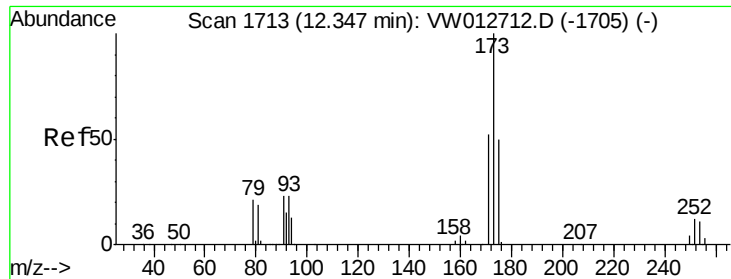
MMDadoda
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#70
Styrene
Concen: 53.696 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	252715		
78	78	54.9	43.3	64.9	
103	103	55.0	44.0	66.0	





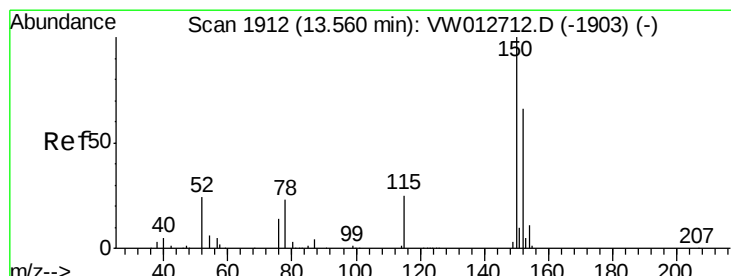
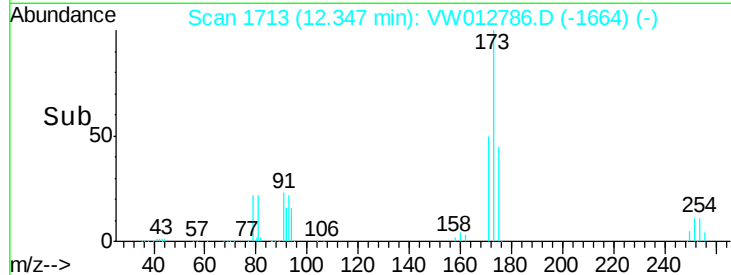
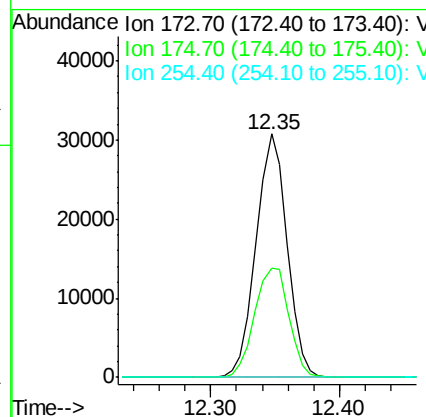
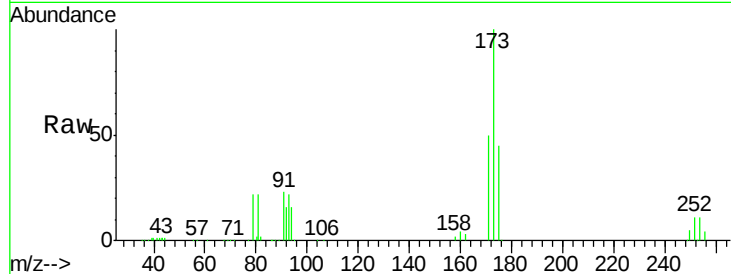
#71
Bromoform
Concen: 59.144 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.8	74.3
254	0.0	0.1	0.1#

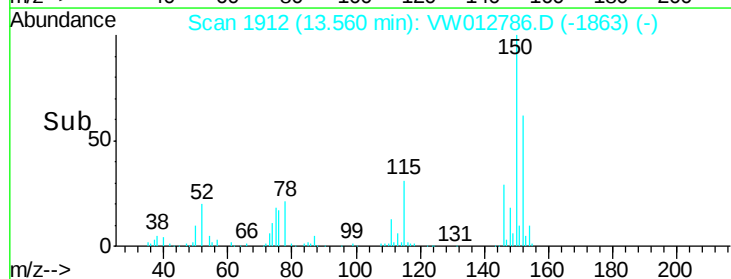
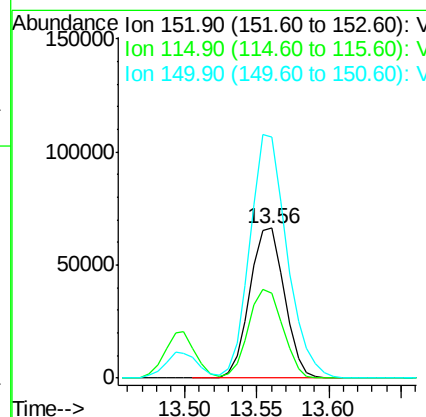
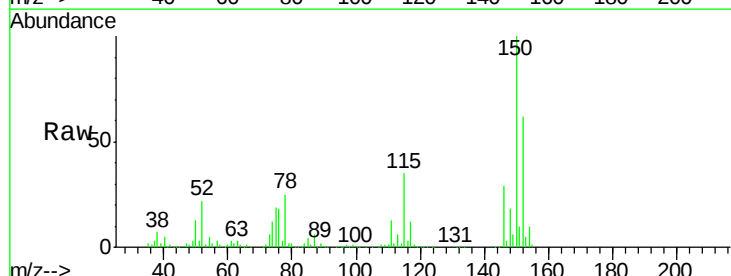
Manual Integrations
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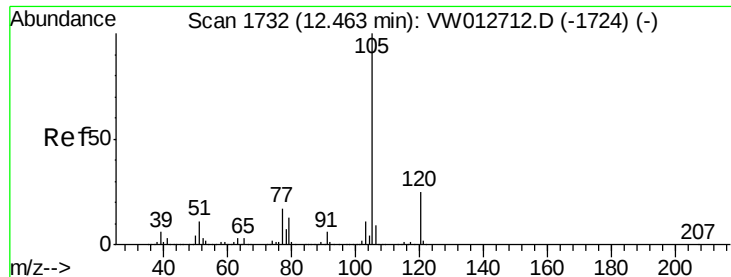
MMDadoda
9/9/2019 11:24:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.0	90.1
150	173.3	0.0	349.0





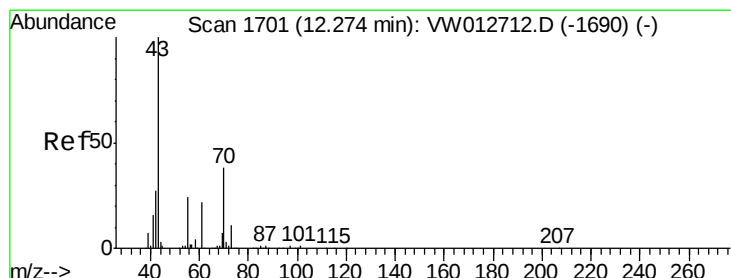
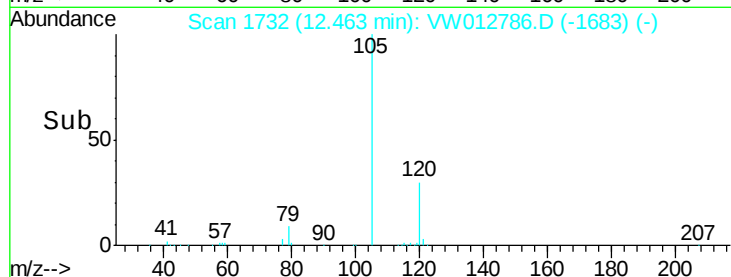
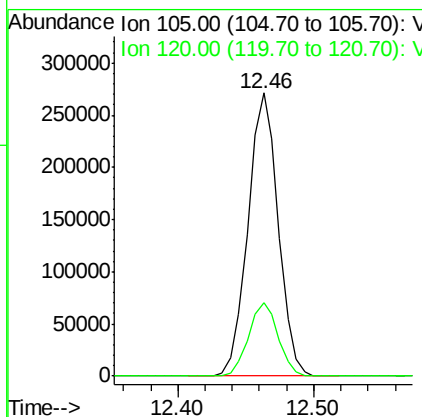
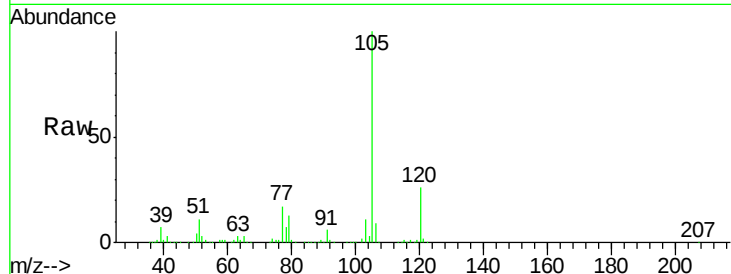
#73
Isopropylbenzene
Concen: 53.313 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.0	38.9

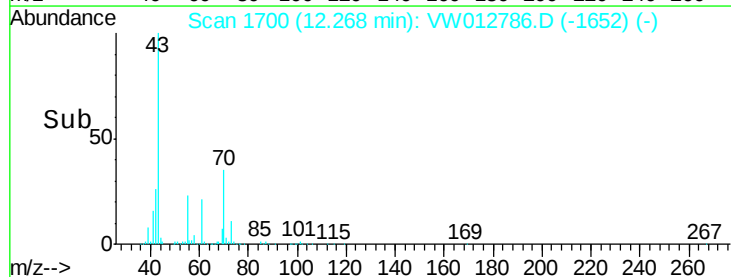
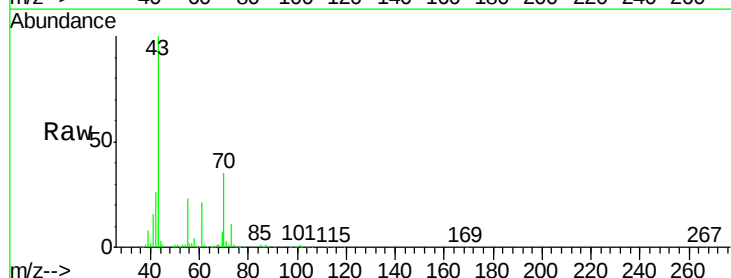
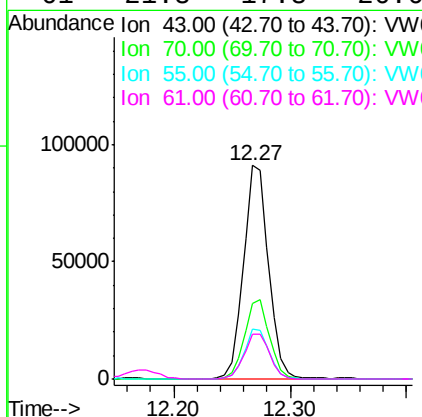
Manual Integrations
APPROVED

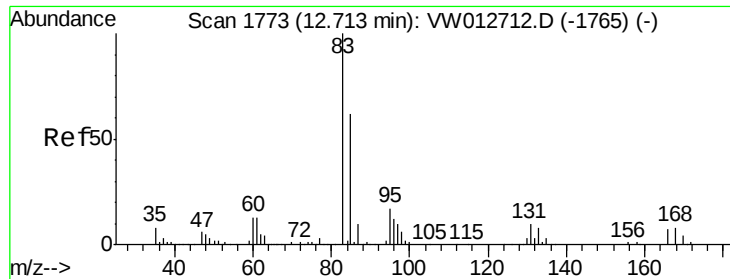
MMDadoda
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#74
N-ethyl acetate
Concen: 54.680 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.2	29.4	44.0
55	23.6	18.6	27.8
61	21.8	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.682 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

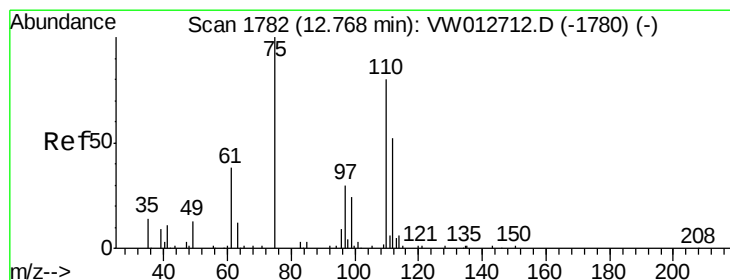
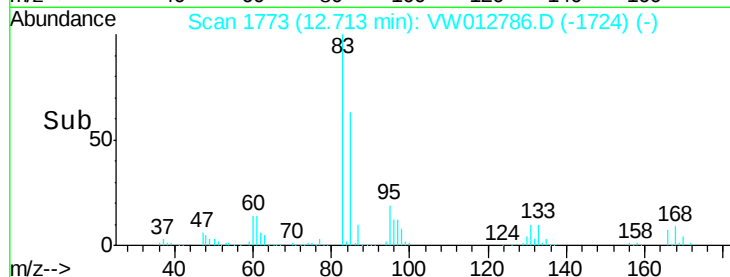
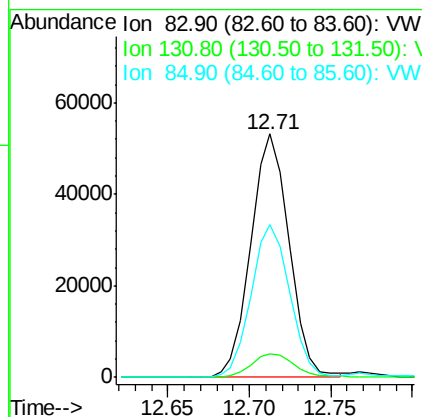
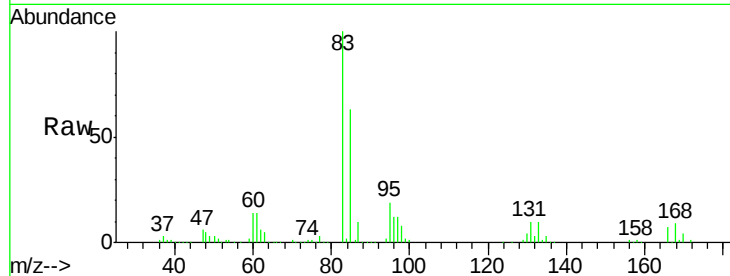
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	86931
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.1	15.4
85	63.3	31.4	94.2

Manual Integrations
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9/9/2019 11:24:40 AM



#76

1,2,3-Trichloropropane

Concen: 52.902 ug/l m

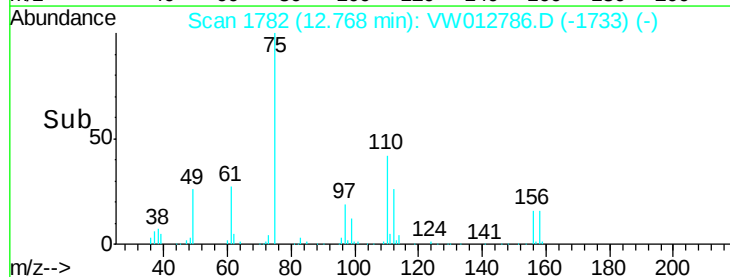
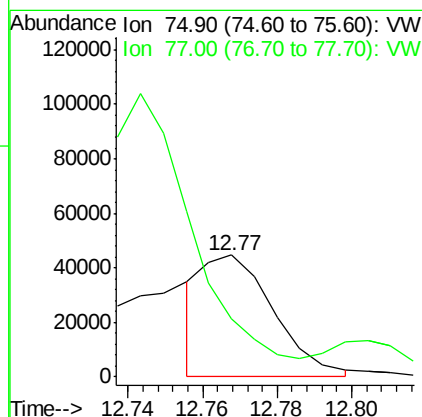
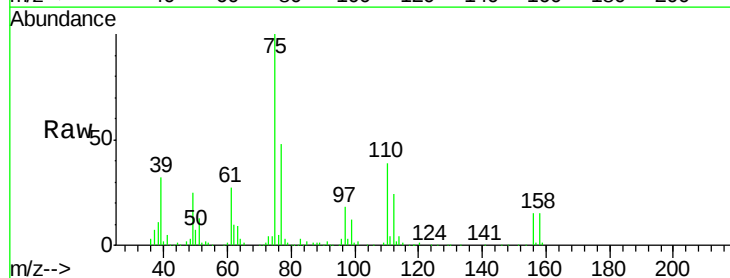
RT: 12.77 min Scan# 1782

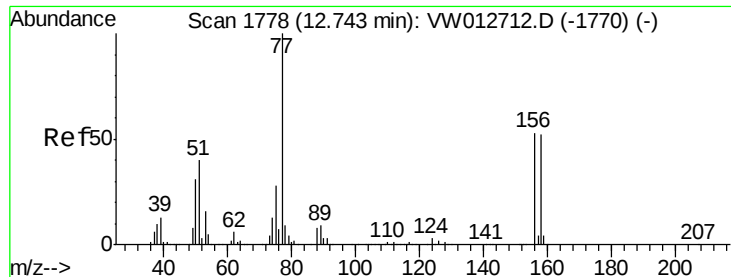
Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tgt Ion:	75	Resp:	59704
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





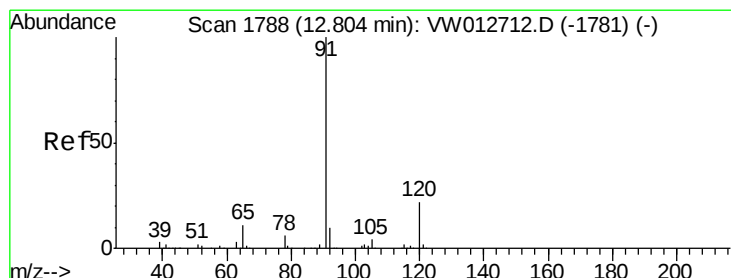
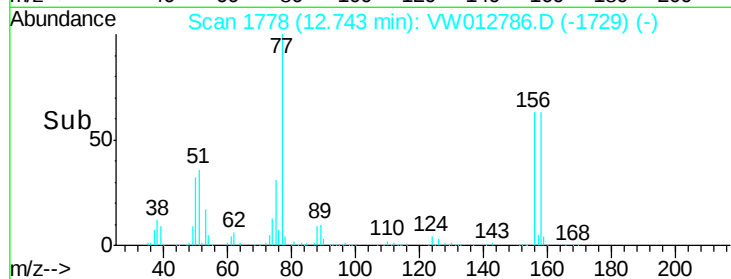
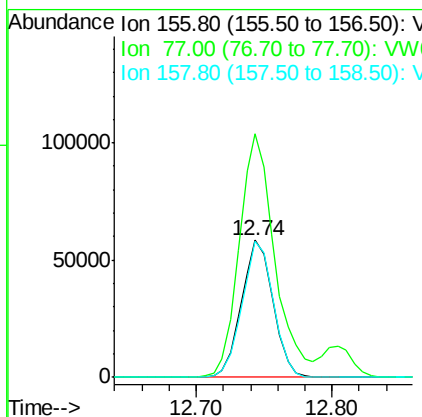
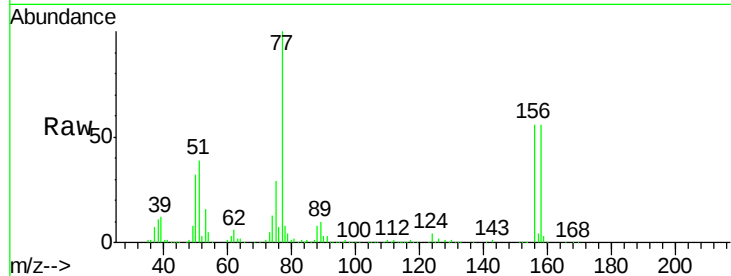
#77
Bromobenzene
Concen: 52.784 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.6	102.3	306.9
158	98.3	48.9	146.8

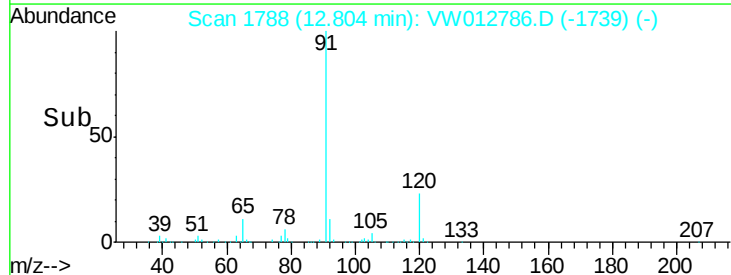
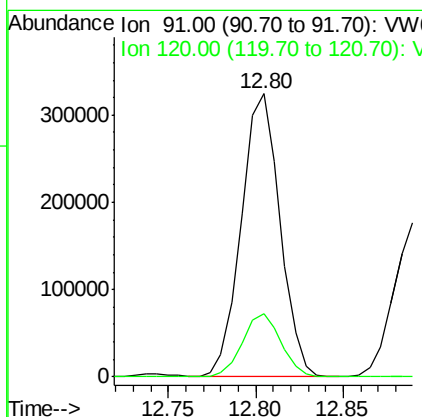
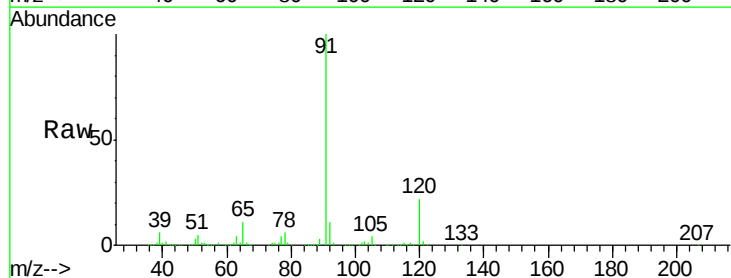
Manual Integrations
APPROVED

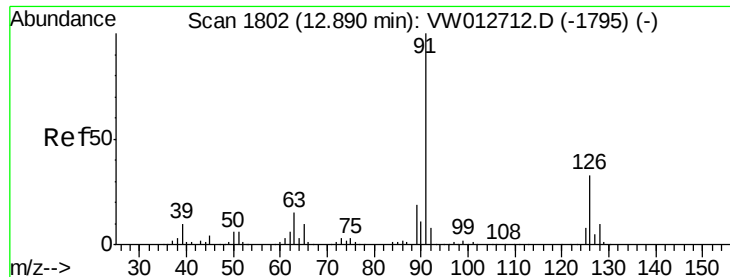
MMDadoda
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#78
n-propylbenzene
Concen: 52.621 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





#79

2-Chlorotoluene

Concen: 51.550 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 280175

Ion Ratio Lower Upper

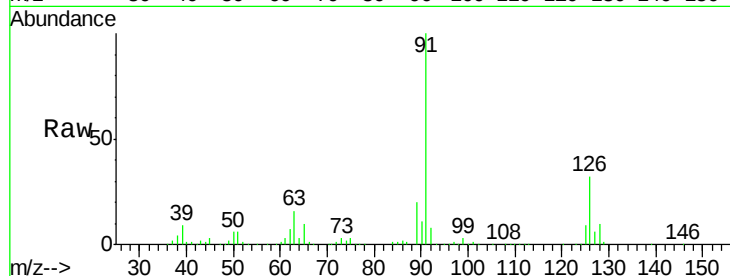
91 100

126 32.2 16.1 48.3

Manual Integrations
APPROVED

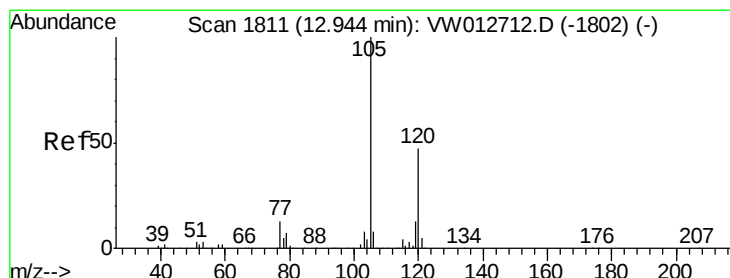
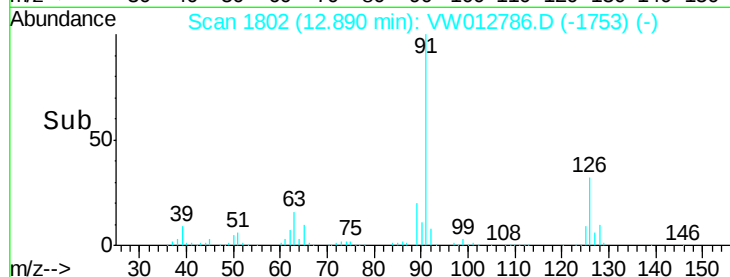
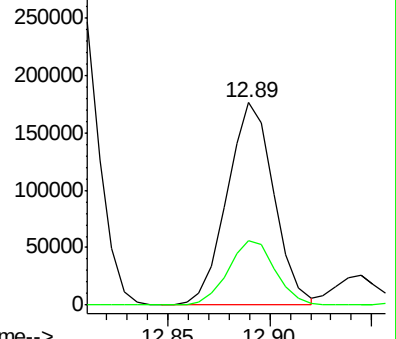
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.265 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012786.D

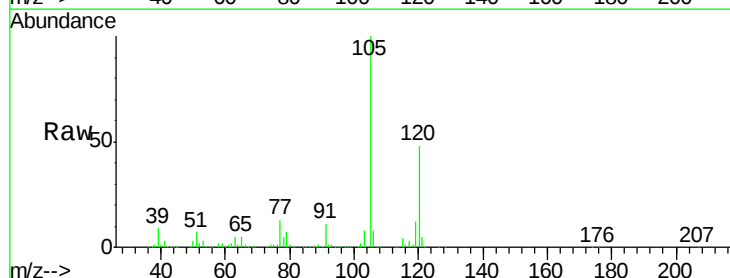
Acq: 08 Sep 2019 23:04

Tgt Ion:105 Resp: 355296

Ion Ratio Lower Upper

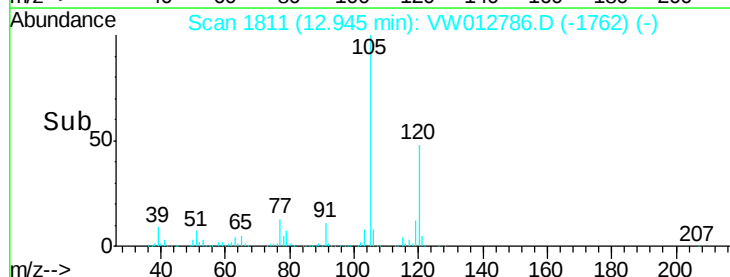
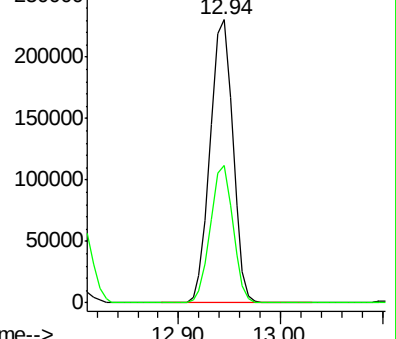
105 100

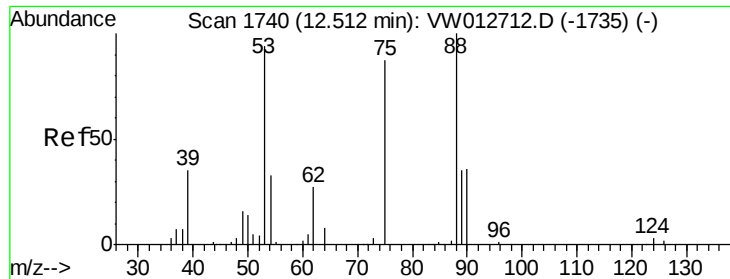
120 48.2 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





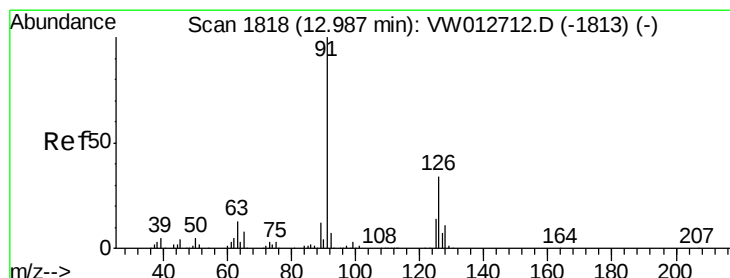
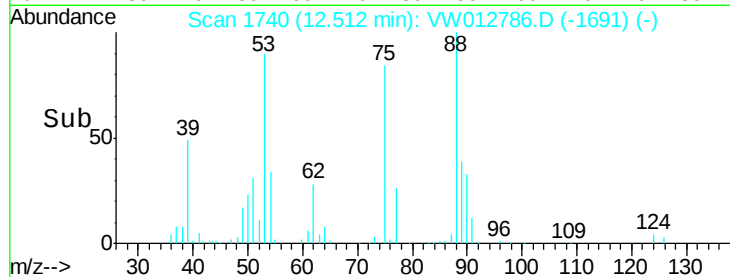
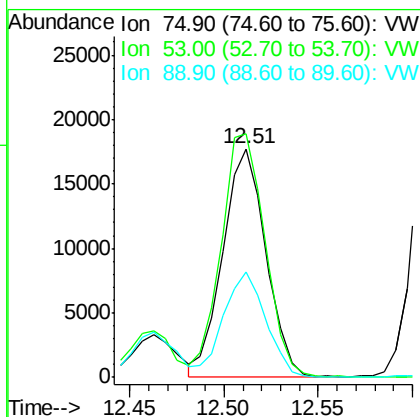
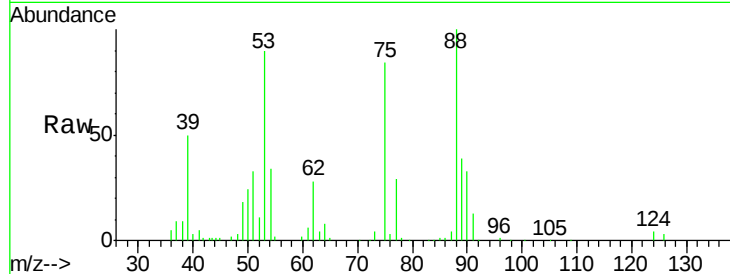
#81
trans-1,4-Dichloro-2-butene
Concen: 52.736 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.8	87.6	131.4
89	45.6	35.5	53.3

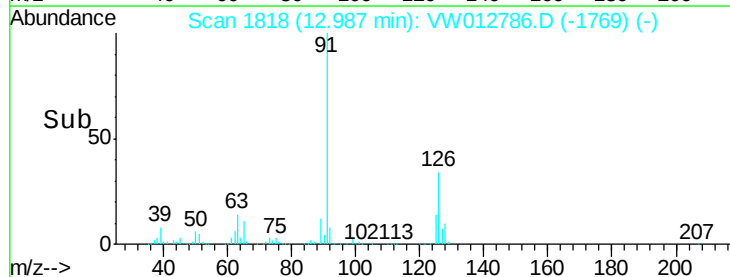
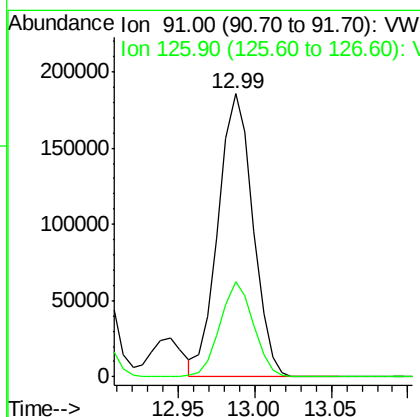
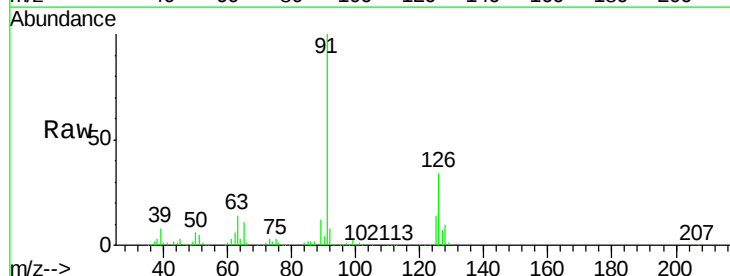
Manual Integrations
APPROVED

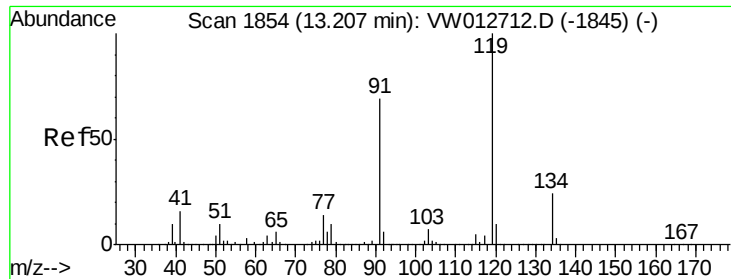
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#82
4-Chlorotoluene
Concen: 51.032 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.9	47.6





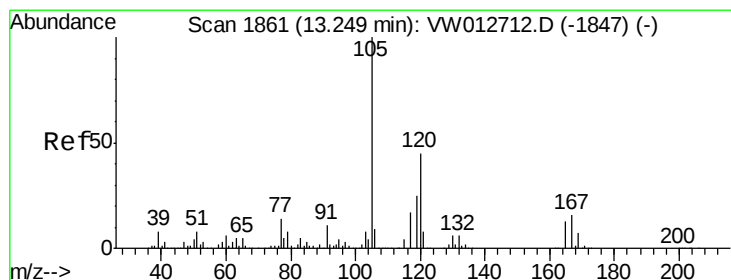
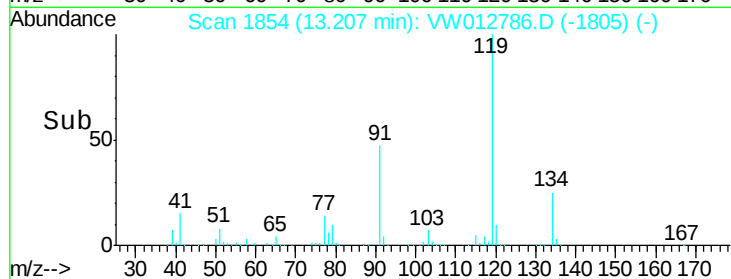
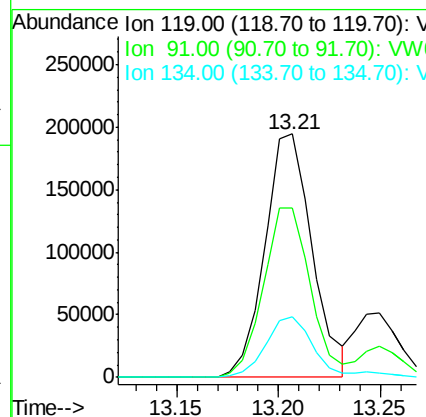
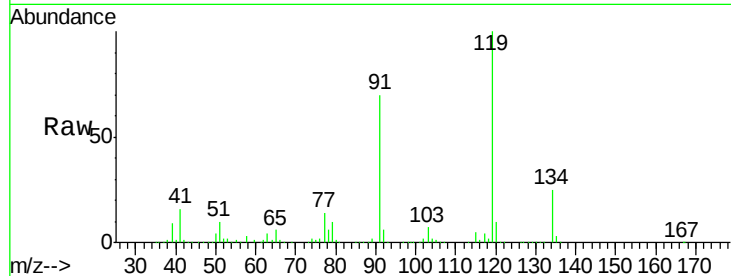
#83
tert-Butylbenzene
Concen: 53.537 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	315757		
91	68.9	34.2	102.5	
134	24.6	12.3	36.9	

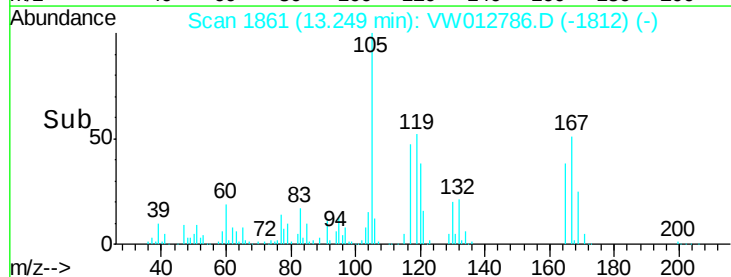
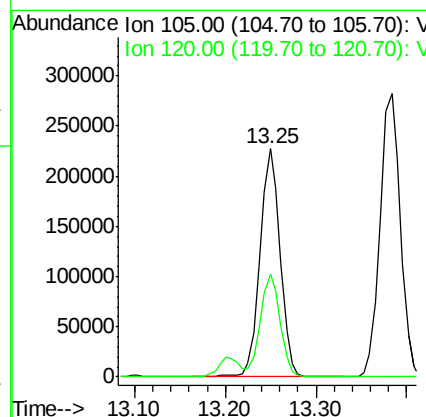
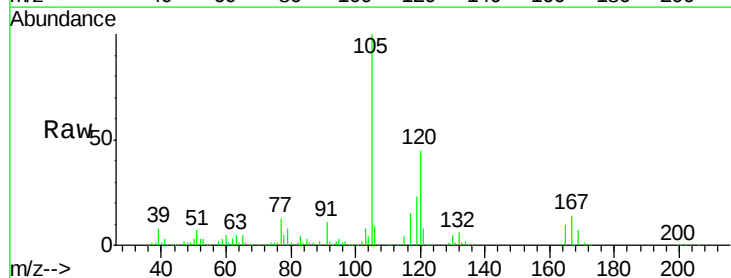
Manual Integrations
APPROVED

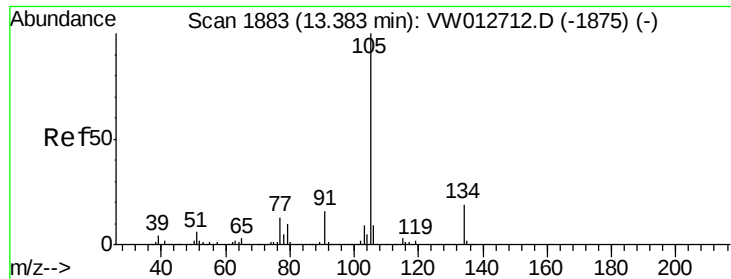
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#84
1,2,4-Trimethylbenzene
Concen: 51.836 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	348403		
120	43.7	22.1	66.3	





#85

sec-Butylbenzene

Concen: 53.430 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 437282

Ion Ratio Lower Upper

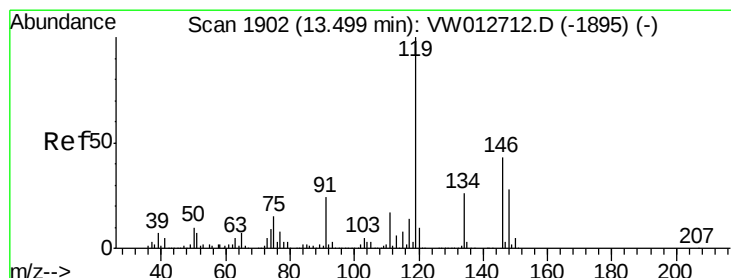
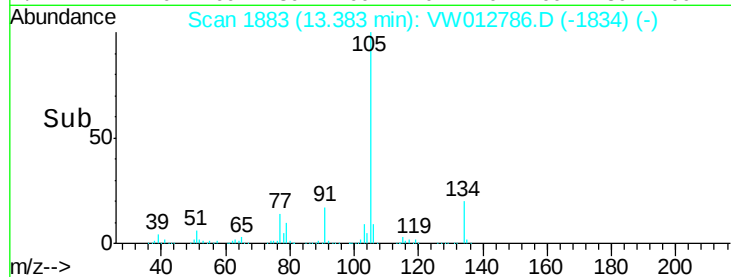
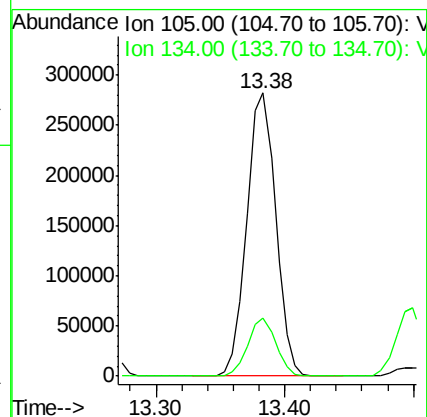
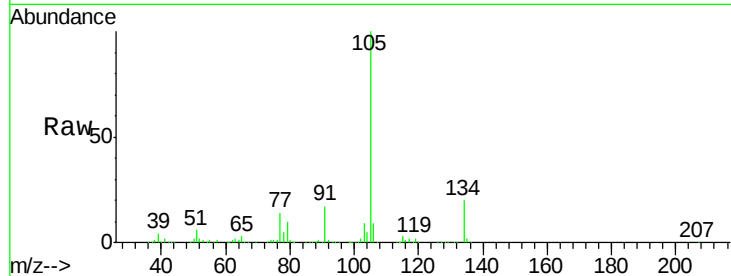
105 100

134 19.9 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 52.994 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

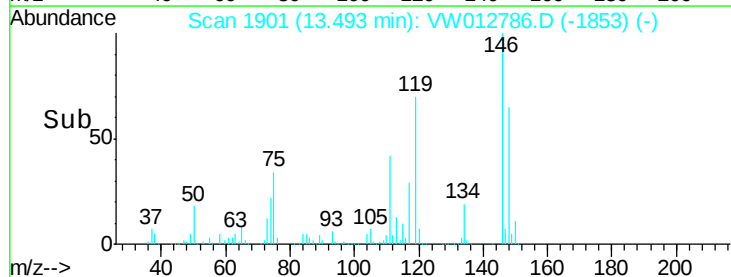
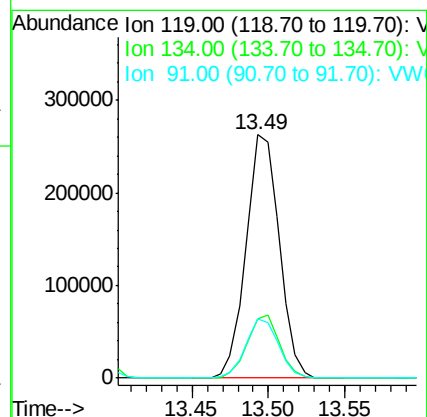
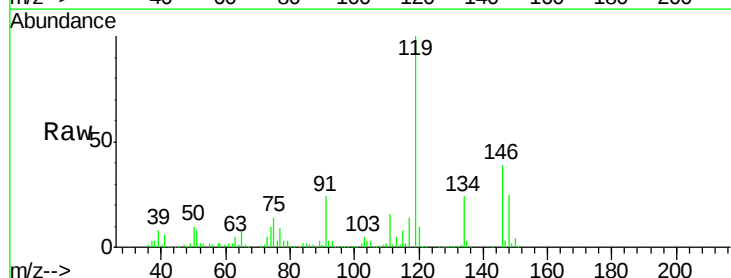
Tgt Ion:119 Resp: 396165

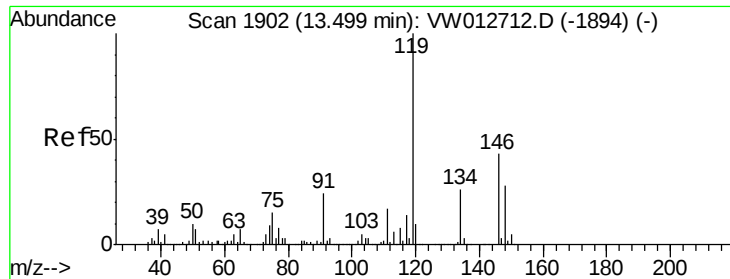
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 24.1 12.2 36.6





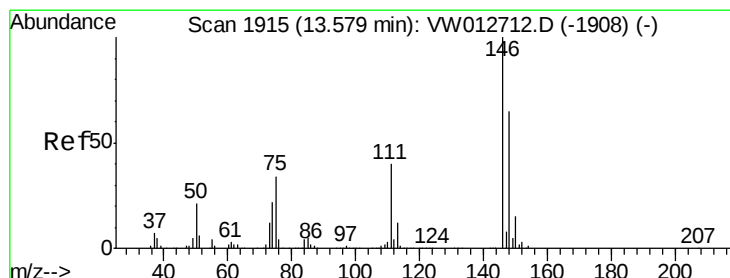
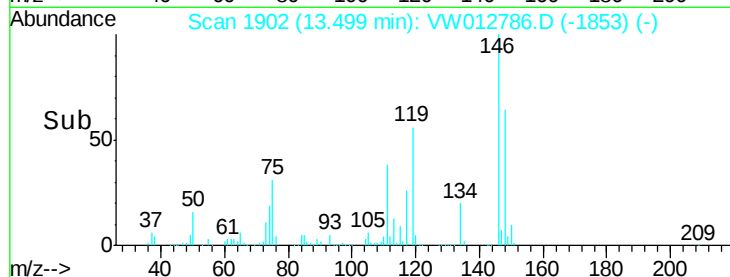
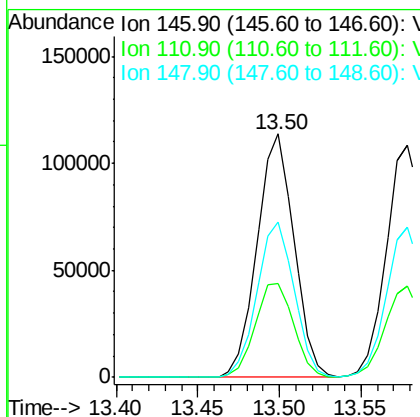
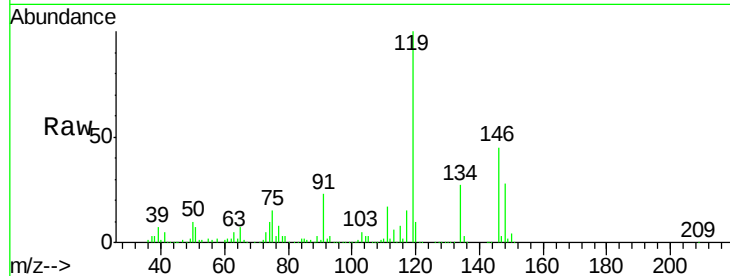
#87
 1,3-Dichlorobenzene
 Concen: 50.933 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	179543		
111	40.3		20.4	61.2
148	64.4		31.8	95.4

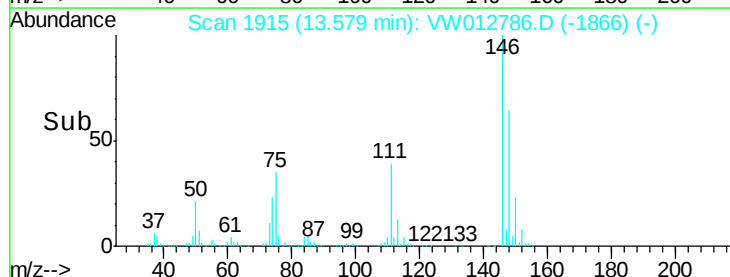
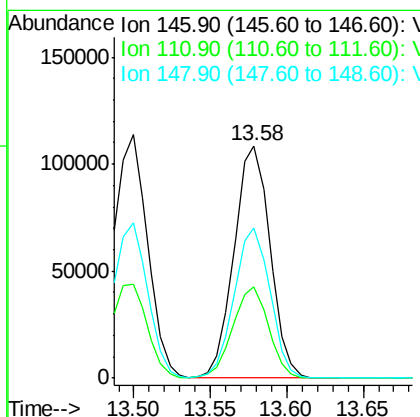
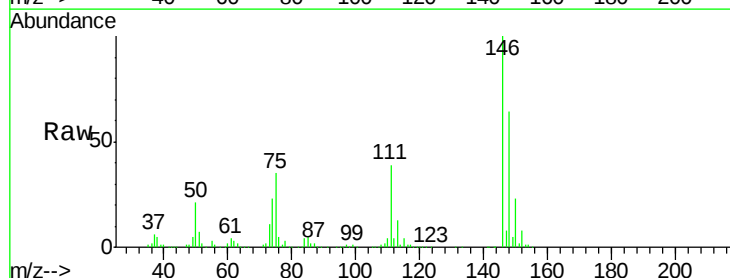
Manual Integrations
 APPROVED

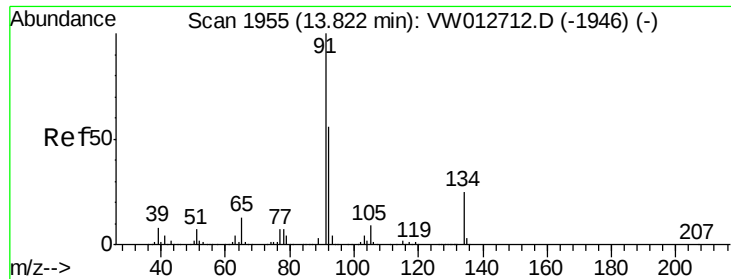
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#88
 1,4-Dichlorobenzene
 Concen: 50.591 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	177457		
111	39.2		20.0	60.0
148	64.5		32.2	96.6





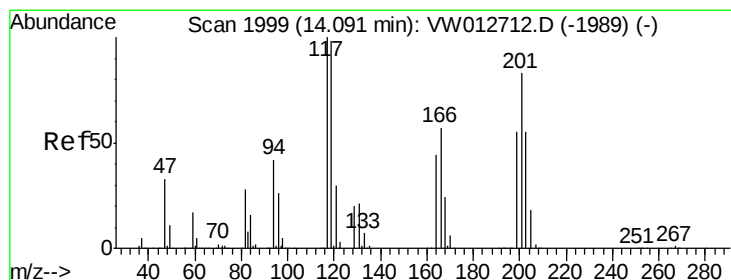
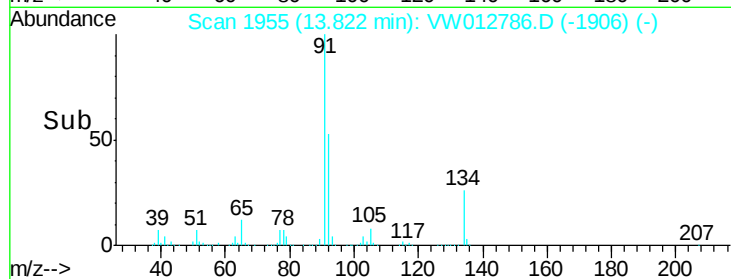
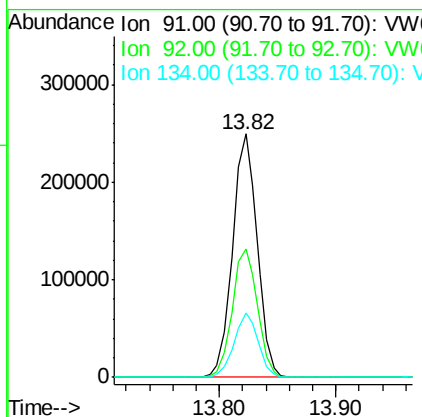
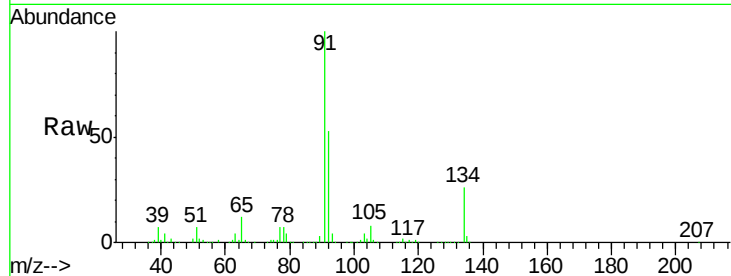
#89
n-Butylbenzene
Concen: 50.634 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.5
134	25.7	12.7	38.1

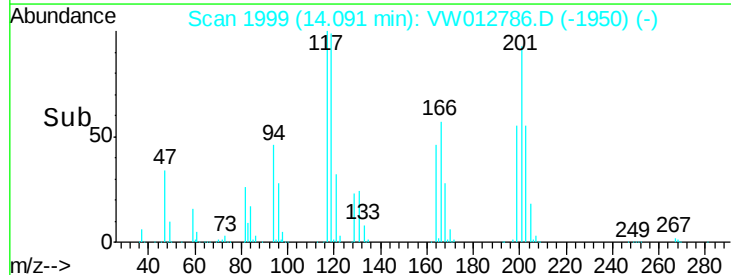
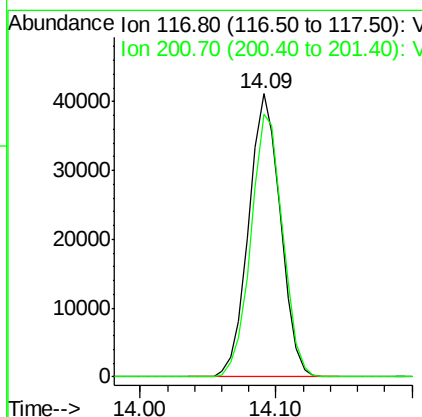
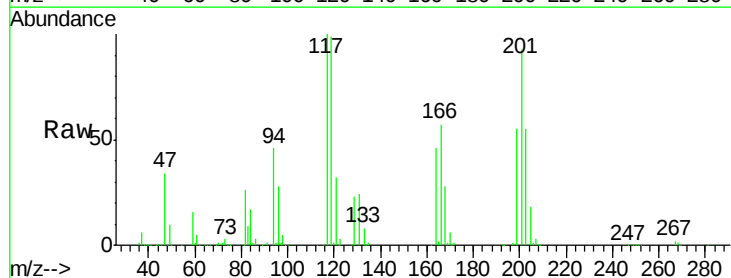
Manual Integrations
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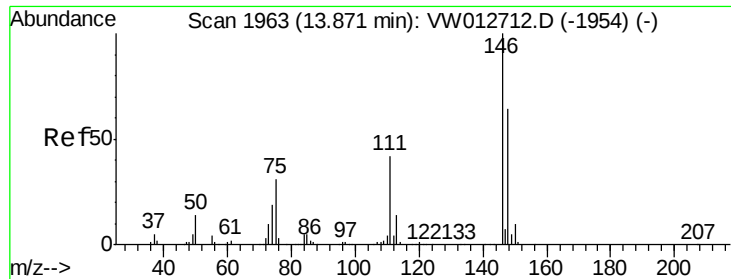
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#90
Hexachloroethane
Concen: 51.708 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	42.8	128.4





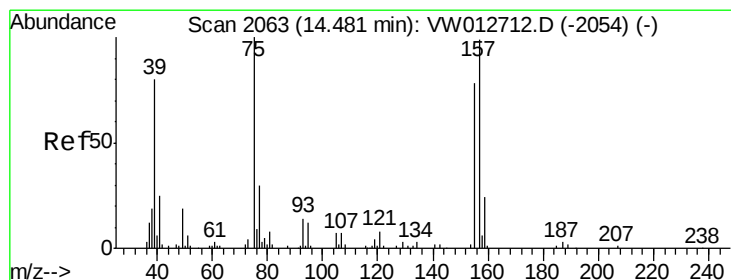
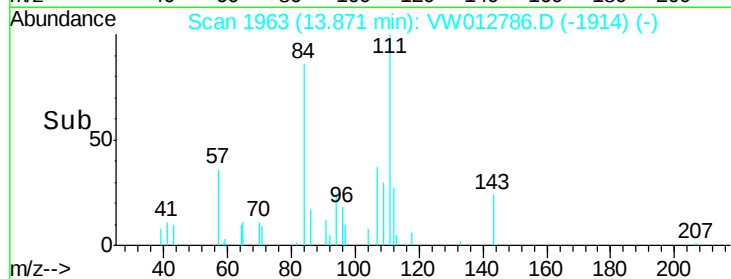
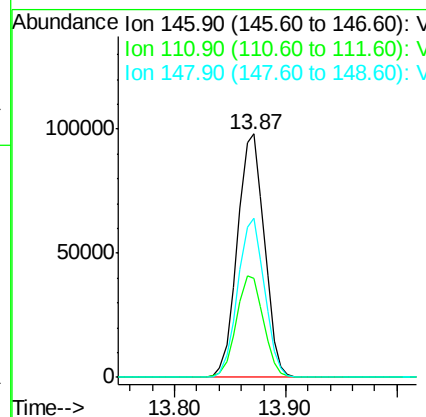
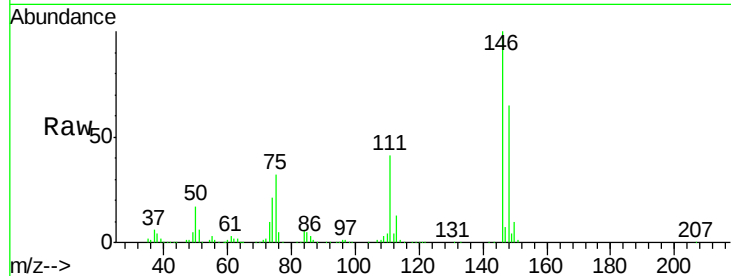
#91
 1,2-Dichlorobenzene
 Concen: 51.867 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.9
148	64.6	32.1	96.5

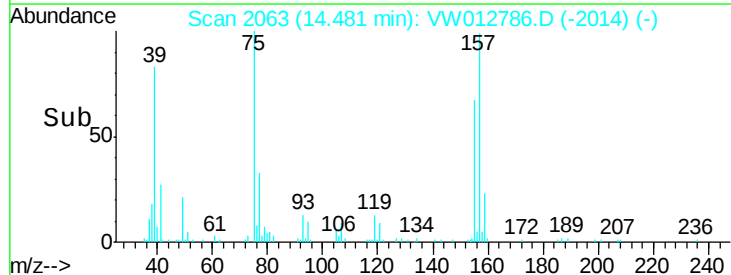
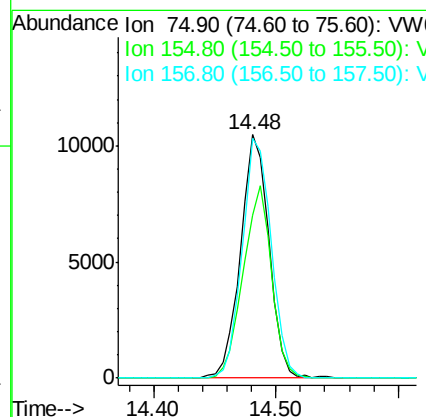
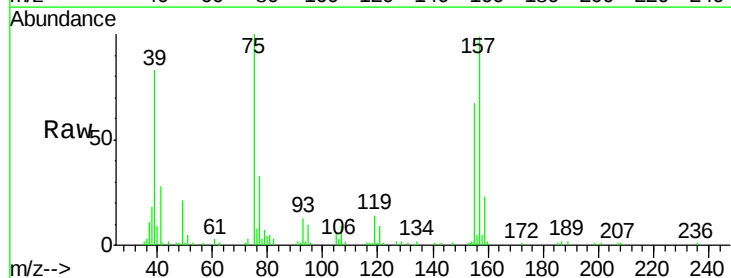
Manual Integrations
 APPROVED

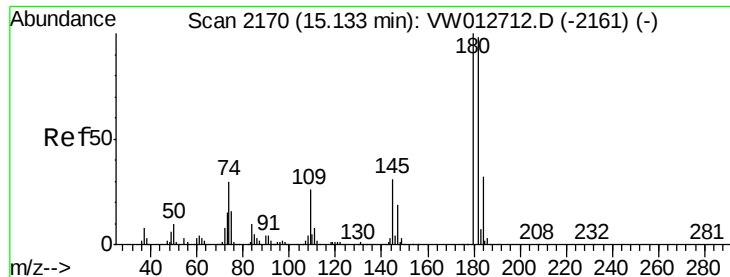
MMDadoda
 9/9/2019 11:24:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.897 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012786.D
 Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	40.6	122.0
157	100.4	52.5	157.5





#93

1,2,4-Trichlorobenzene

Concen: 51.371 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Instrument :

MSVOA_W

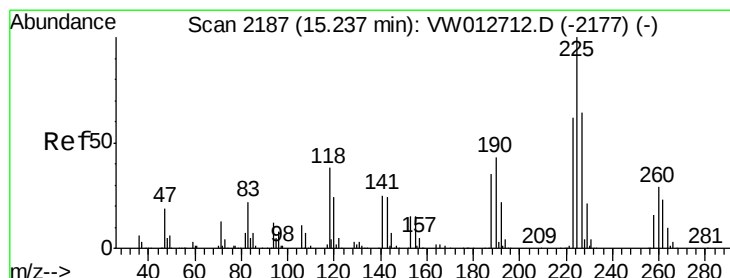
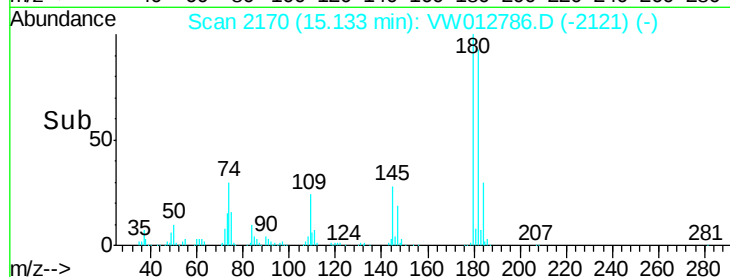
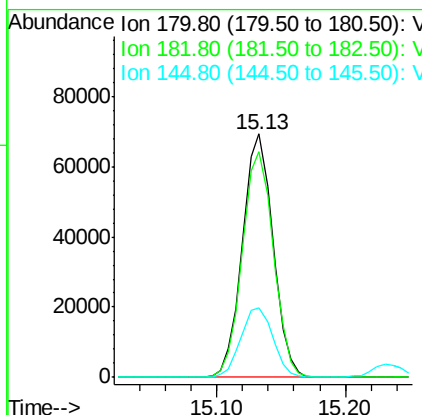
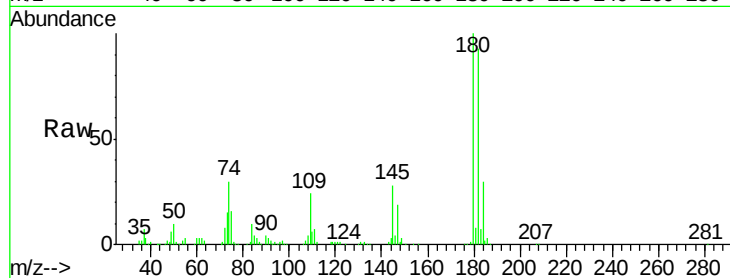
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	113477
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.7	146.1
145	29.9	15.0	45.1

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:24:40 AM



#94

Hexachlorobutadiene

Concen: 51.586 ug/l

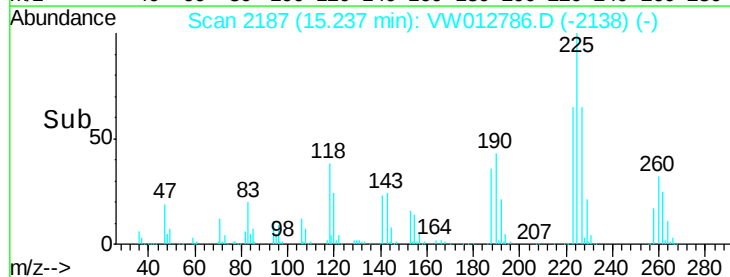
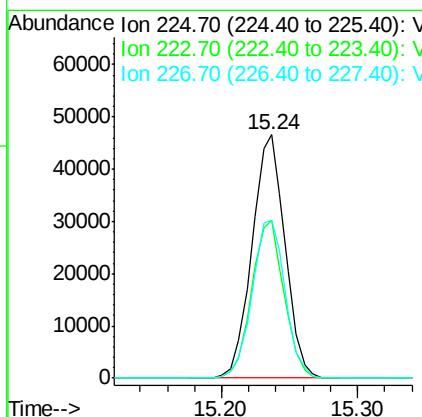
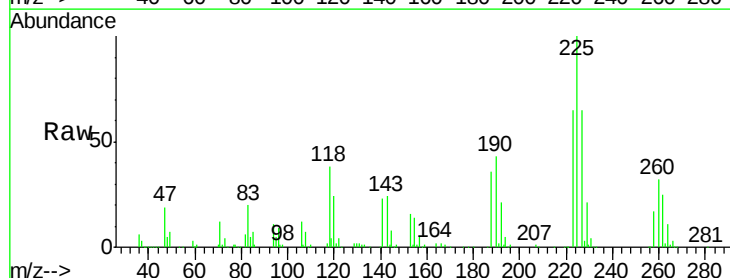
RT: 15.24 min Scan# 2187

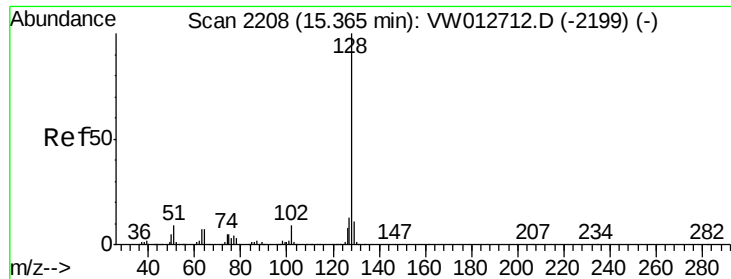
Delta R.T. 0.00 min

Lab File: VW012786.D

Acq: 08 Sep 2019 23:04

Tgt Ion:	225	Resp:	78874
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.1	93.3
227	65.1	31.4	94.2





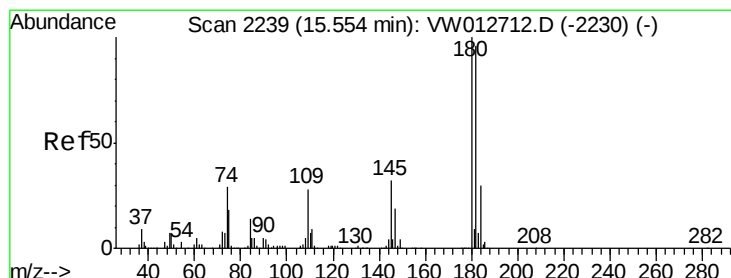
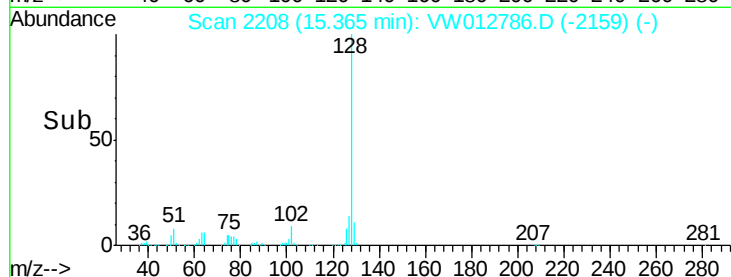
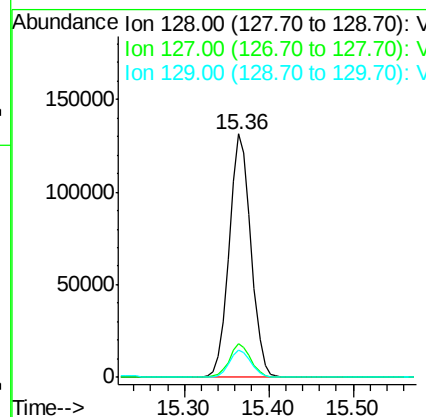
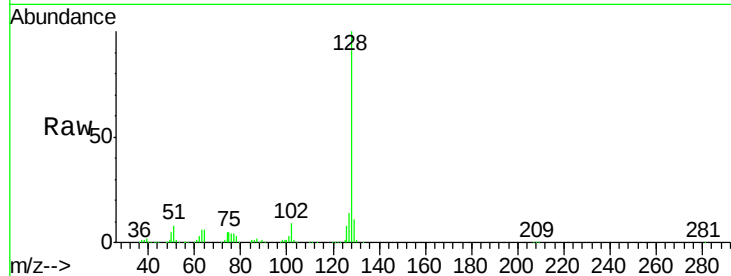
#95
Naphthalene
Concen: 50.107 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	232070		
127	13.7		10.7	16.1
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:24:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.522 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012786.D
Acq: 08 Sep 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102410		
182	95.0		47.8	143.3
145	31.4		15.4	46.2

