

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013686.D
 Acq On : 24 Oct 2019 00:28
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:25:37 PM

Quant Time: Oct 24 08:33:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	192791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	122093	56.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.72%	
35) Dibromofluoromethane	7.88	113	125496	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.32	98	506514	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
62) 4-Bromofluorobenzene	12.62	95	176655	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66073	43.816	ug/l	99
3) Chloromethane	2.21	50	71195	43.931	ug/l	99
4) Vinyl Chloride	2.37	62	115328	47.122	ug/l	100
5) Bromomethane	2.78	94	81081	50.373	ug/l	96
6) Chloroethane	2.92	64	74011	49.976	ug/l	98
7) Trichlorofluoromethane	3.26	101	61000	39.903	ug/l	98
8) Diethyl Ether	3.68	74	68285	55.289	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120700	48.568	ug/l	98
10) Methyl Iodide	4.28	142	209915	51.835	ug/l	99
11) Tert butyl alcohol	5.17	59	38509	300.420	ug/l	98
12) 1,1-Dichloroethene	4.05	96	127032	49.485	ug/l	99
13) Acrolein	3.90	56	38751	263.871	ug/l	97
14) Allyl chloride	4.67	41	201143	50.957	ug/l	99
15) Acrylonitrile	5.37	53	149872	298.428	ug/l	98
16) Acetone	4.12	43	117331	257.713	ug/l	95
17) Carbon Disulfide	4.39	76	359823	48.807	ug/l	98
18) Methyl Acetate	4.67	43	75413	60.426	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	176467	57.285	ug/l	97
20) Methylene Chloride	4.92	84	143578	58.087	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	143351	51.883	ug/l	99
22) Diisopropyl ether	6.31	45	400493	55.622	ug/l	95
23) Vinyl Acetate	6.25	43	1184316	283.472	ug/l	99
24) 1,1-Dichloroethane	6.21	63	238343	52.267	ug/l	98
25) 2-Butanone	7.17	43	189268	289.159	ug/l	97
26) 2,2-Dichloropropane	7.17	77	123319	46.767	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	156673	53.387	ug/l	99
28) Bromochloromethane	7.51	49	93485	57.338	ug/l #	99
29) Tetrahydrofuran	7.53	42	125589	309.918	ug/l	99
30) Chloroform	7.67	83	236696	52.507	ug/l	98
31) Cyclohexane	7.95	56	212911	44.615	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	180946	51.151	ug/l	99
36) 1,1-Dichloropropene	8.08	75	186368	47.032	ug/l	99
37) Ethyl Acetate	7.25	43	85424	56.316	ug/l	99
38) Carbon Tetrachloride	8.07	117	172454	48.329	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	238919	46.689	ug/l	99
40) Benzene	8.32	78	562912	50.197	ug/l	99
41) Methacrylonitrile	7.48	41	50584	53.477	ug/l	97
42) 1,2-Dichloroethane	8.40	62	148319	52.486	ug/l	100
43) Isopropyl Acetate	8.42	43	162376	55.924	ug/l	98
44) Trichloroethene	9.09	130	159084	49.524	ug/l	95
45) 1,2-Dichloropropane	9.37	63	137656	51.392	ug/l	98
46) Dibromomethane	9.46	93	71136	54.718	ug/l	96
47) Bromodichloromethane	9.64	83	178894	53.182	ug/l	98
48) Methyl methacrylate	9.43	41	76577	53.184	ug/l	94
49) 1,4-Dioxane	9.45	88	21681	1128.576	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	414011	286.951	ug/l	99
52) Toluene	10.38	92	363574	50.262	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	180267	52.937	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	219514	52.249	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	106006	54.712	ug/l	96
56) Ethyl methacrylate	10.65	69	138625	57.186	ug/l	100
57) 1,3-Dichloropropane	10.93	76	180579	54.311	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	310043	277.903	ug/l	98
59) 2-Hexanone	10.97	43	279827	281.331	ug/l	97
60) Dibromochloromethane	11.13	129	124615	54.170	ug/l	100
61) 1,2-Dibromoethane	11.23	107	99467	54.264	ug/l	99
64) Tetrachloroethene	10.86	164	141537	49.397	ug/l	96
65) Chlorobenzene	11.66	112	388908	50.466	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	141279	52.529	ug/l	99
67) Ethyl Benzene	11.73	91	683849	49.212	ug/l	98
68) m/p-Xylenes	11.83	106	532680	99.218	ug/l	99
69) o-Xylene	12.16	106	247763	50.207	ug/l	100
70) Styrene	12.18	104	440216	51.920	ug/l	100
71) Bromoform	12.35	173	76372	54.110	ug/l #	98
73) Isopropylbenzene	12.46	105	679399	49.072	ug/l	100
74) N-amyl acetate	12.27	43	150481	56.187	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115886	53.042	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	88423m	63.866	ug/l	
77) Bromobenzene	12.74	156	168247	50.870	ug/l	97
78) n-propylbenzene	12.80	91	794475	49.578	ug/l	100
79) 2-Chlorotoluene	12.89	91	454317	50.450	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	578937	49.535	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	38816	52.984	ug/l	98
82) 4-Chlorotoluene	12.99	91	471634	49.886	ug/l	98
83) tert-Butylbenzene	13.21	119	515674	49.707	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	582358	50.512	ug/l	99
85) sec-Butylbenzene	13.38	105	692490	48.814	ug/l	99
86) p-Isopropyltoluene	13.50	119	649859	49.177	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	323167	50.431	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	316175	49.665	ug/l	100
89) n-Butylbenzene	13.82	91	579663	48.596	ug/l	99
90) Hexachloroethane	14.09	117	114408	49.808	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	290186	52.227	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18567	56.200	ug/l	97

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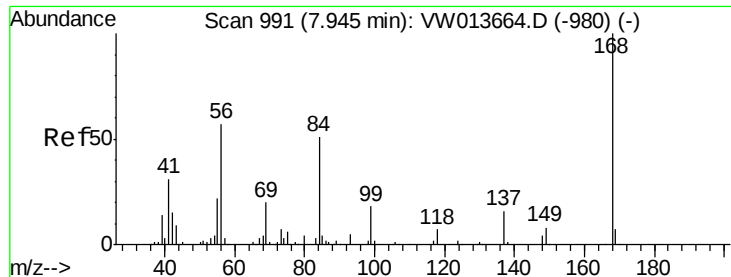
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	209834	51.892	ug/l	100
94) Hexachlorobutadiene	15.23	225	132456	48.522	ug/l	98
95) Naphthalene	15.36	128	359741	56.742	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	186800	53.612	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: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 286233

Ion Ratio Lower Upper

168 100

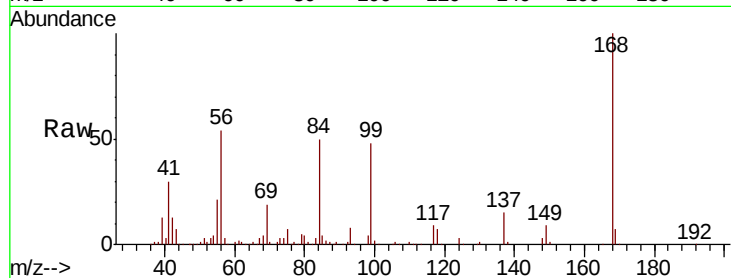
99 48.0 39.0 58.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

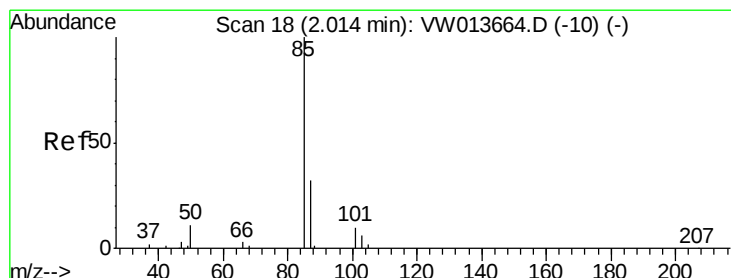
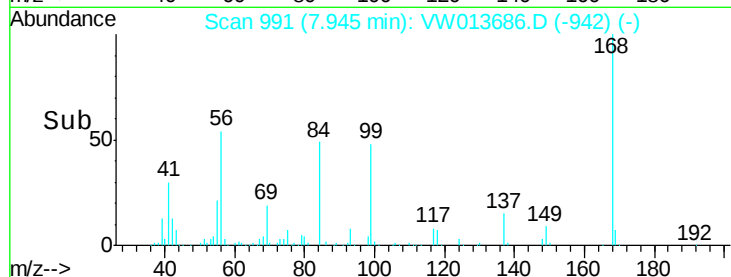
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.816 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013686.D

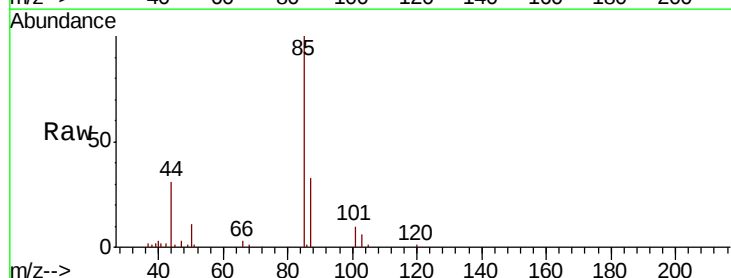
Acq: 24 Oct 2019 00:28

Tgt Ion: 85 Resp: 66073

Ion Ratio Lower Upper

85 100

87 32.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

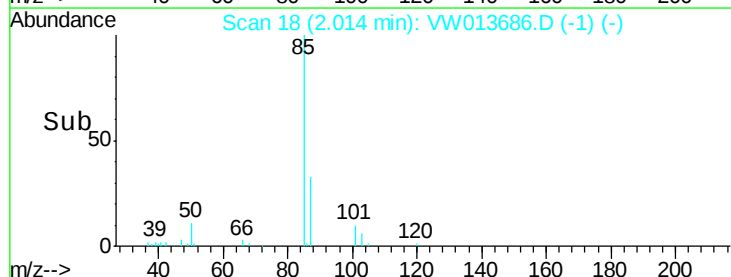
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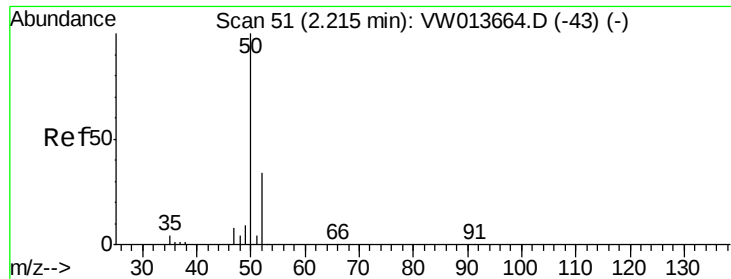
10000

5000

0

Time-->





#3

Chloromethane

Concen: 43.931 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 71195

Ion Ratio Lower Upper

50 100

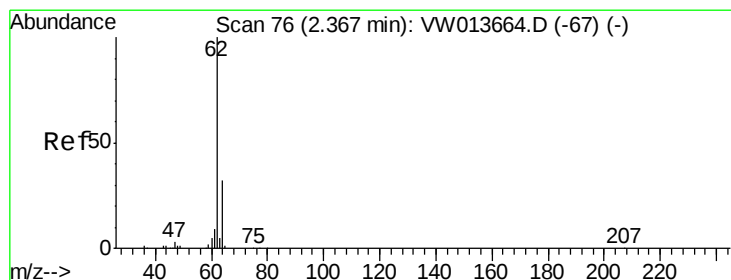
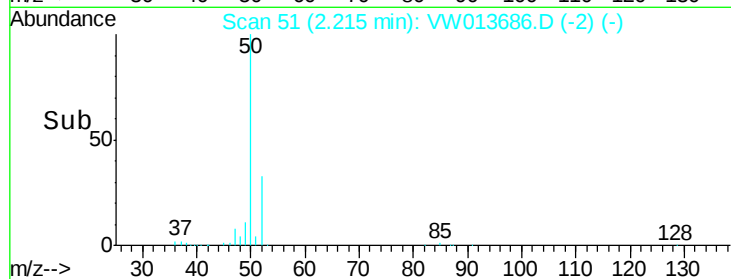
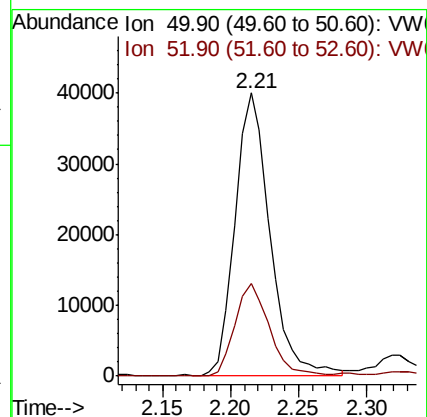
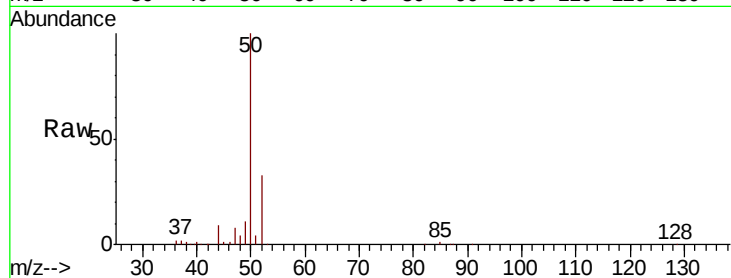
52 32.9 26.9 40.3

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#4

Vinyl Chloride

Concen: 47.122 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013686.D

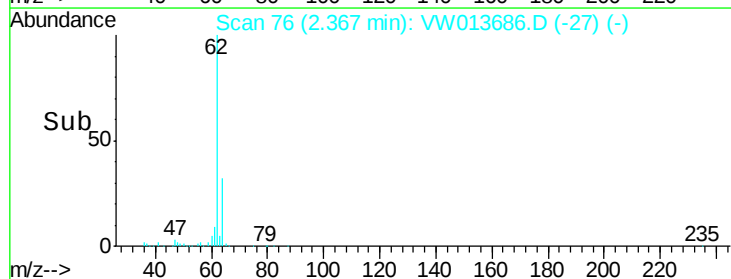
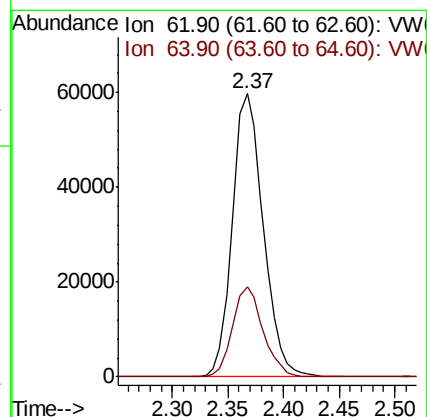
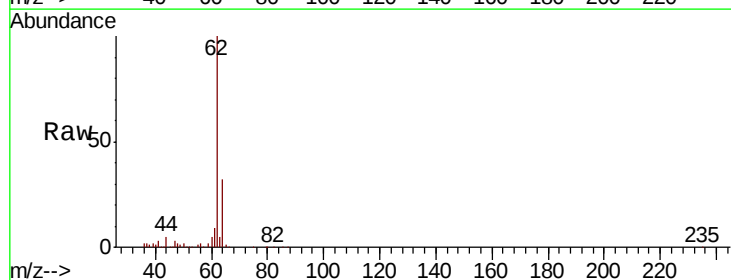
Acq: 24 Oct 2019 00:28

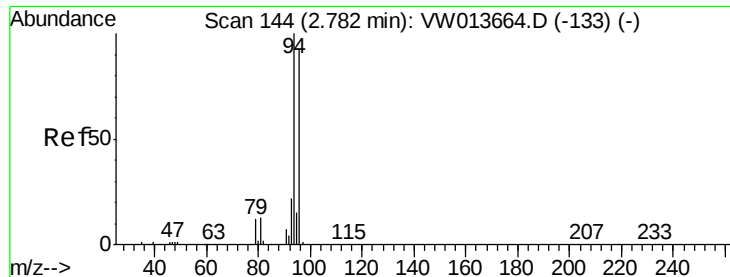
Tgt Ion: 62 Resp: 115328

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 50.373 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 81081

Ion Ratio Lower Upper

94 100

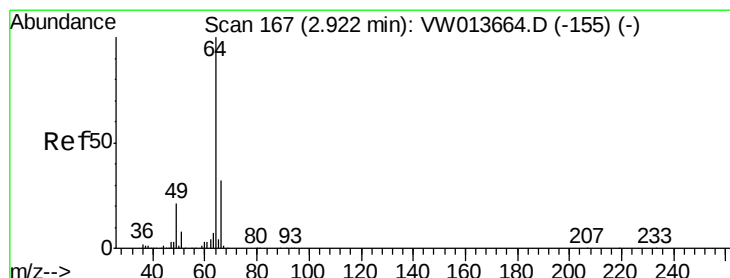
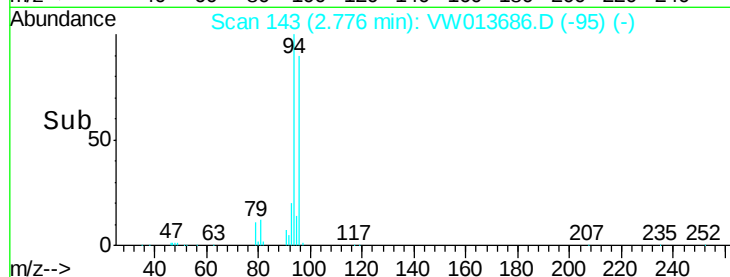
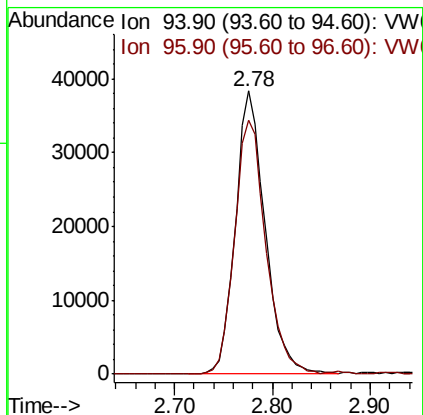
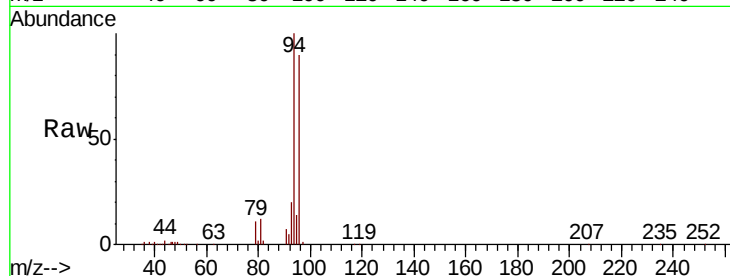
96 89.9 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 49.976 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013686.D

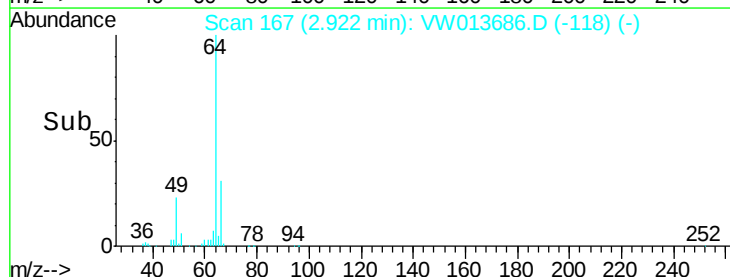
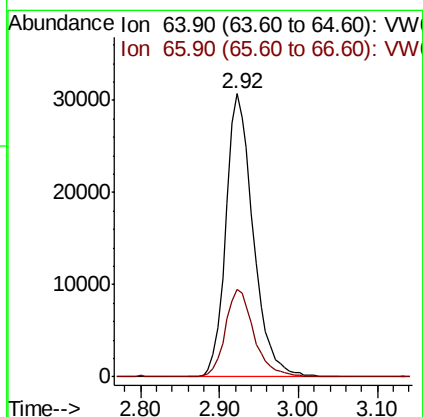
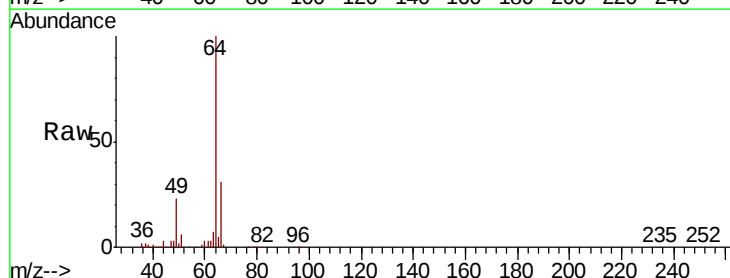
Acq: 24 Oct 2019 00:28

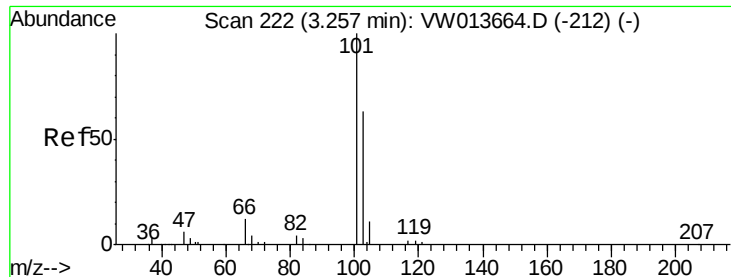
Tgt Ion: 64 Resp: 74011

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.0





#7

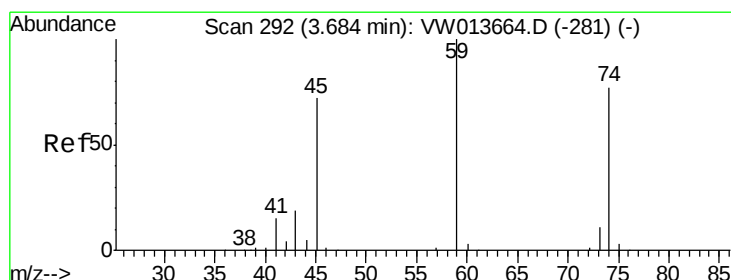
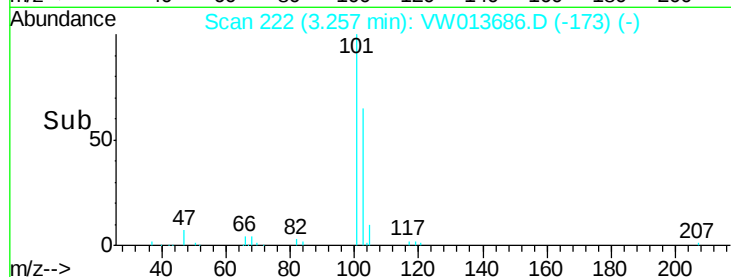
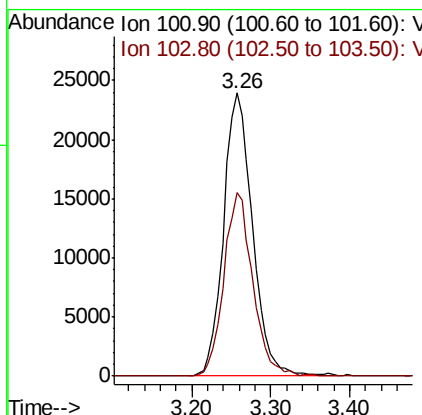
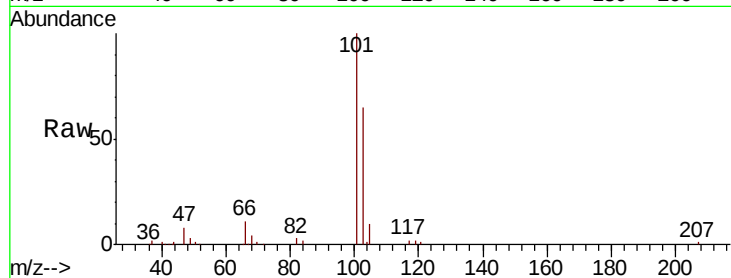
Trichlorofluoromethane
Concen: 39.903 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

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MSVOA_W
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.6	76.0

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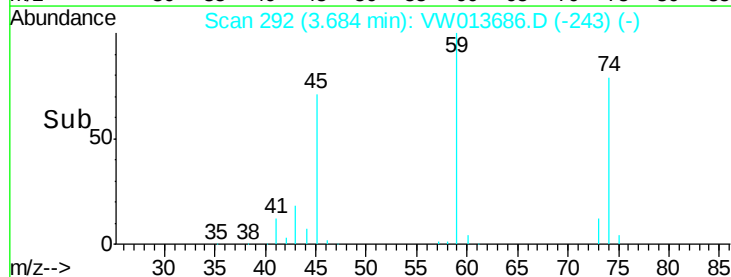
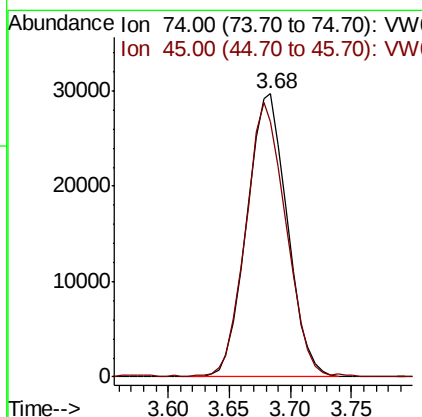
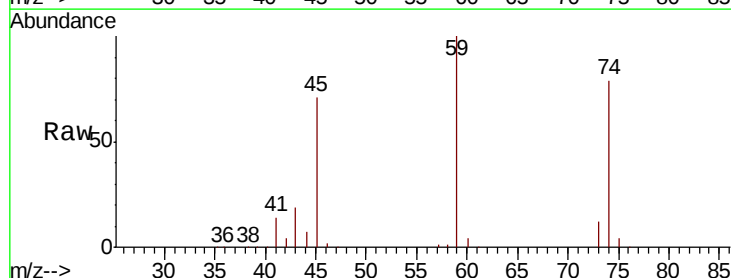
MMDadoda
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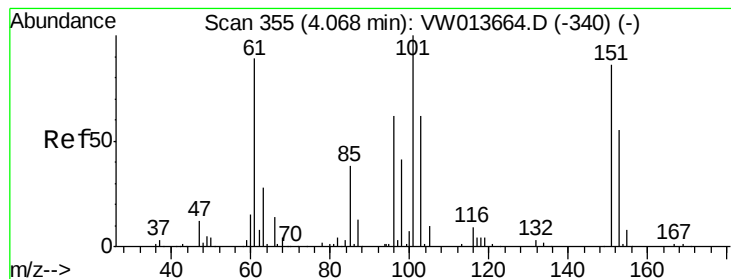


#8

Diethyl Ether
Concen: 55.289 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.568 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

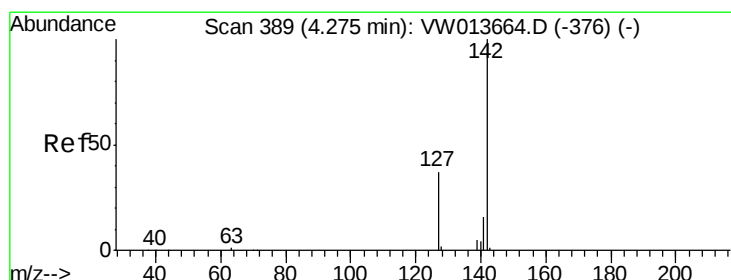
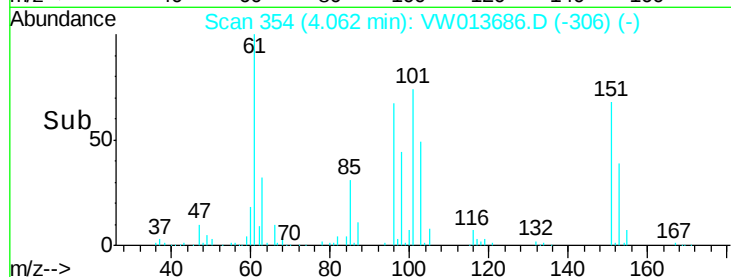
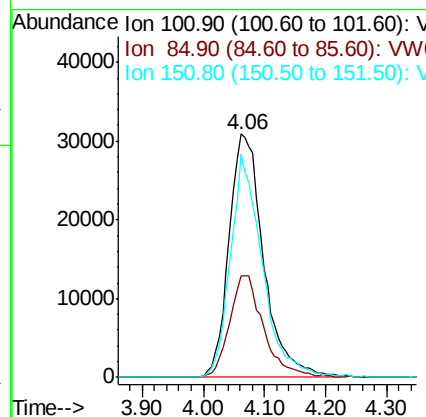
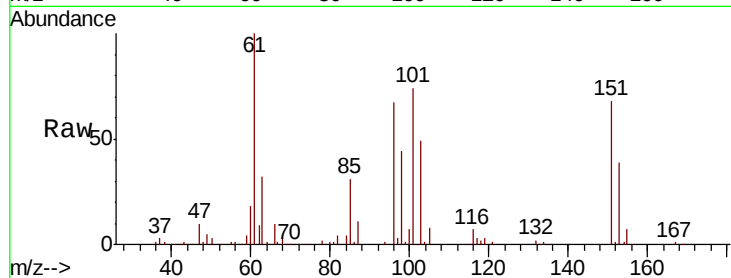
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	120700
Ion Ratio	Lower	Upper	
101	100		
85	41.3	31.0	46.6
151	84.3	68.2	102.4

Manual Integrations
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#10

Methyl Iodide

Concen: 51.835 ug/l

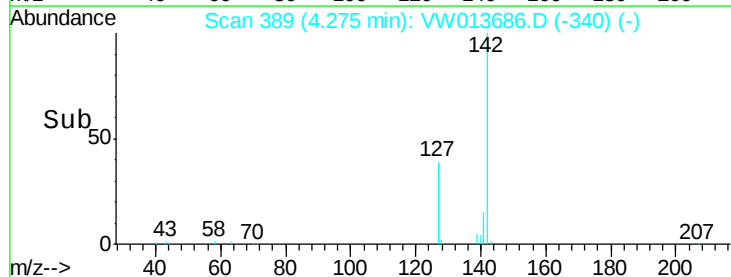
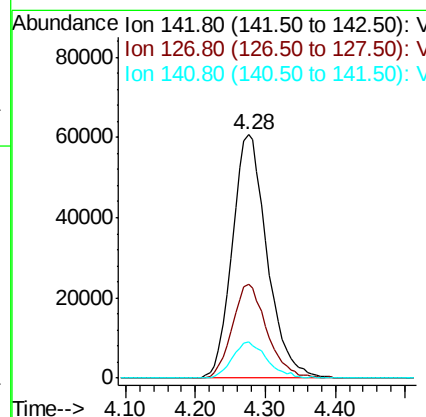
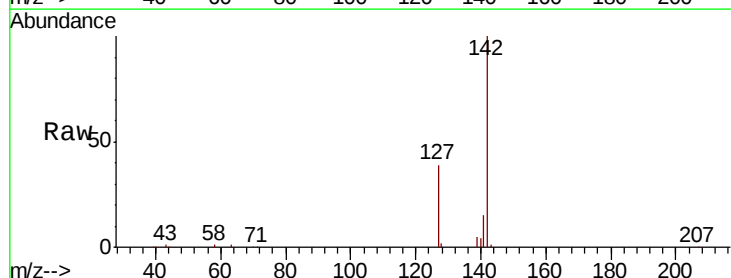
RT: 4.28 min Scan# 389

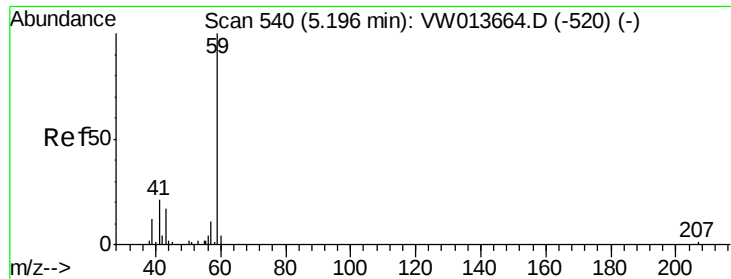
Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Tgt Ion:	142	Resp:	209915
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.3	45.5
141	14.8	11.8	17.8





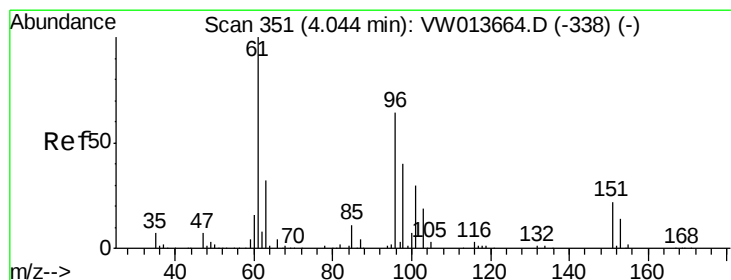
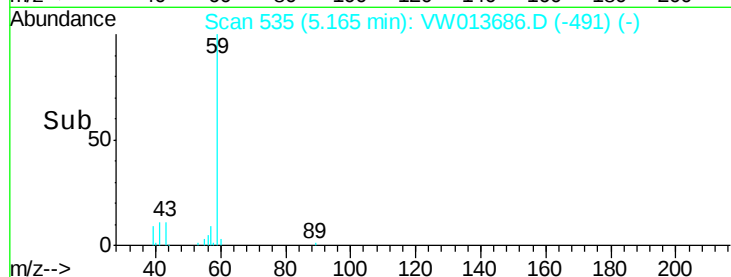
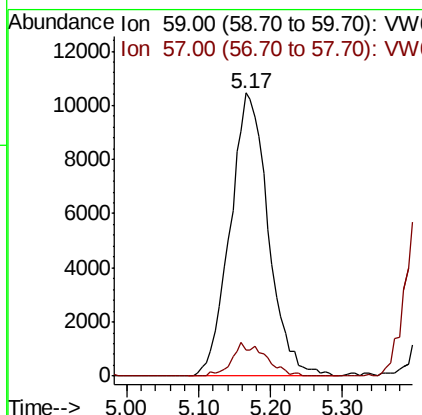
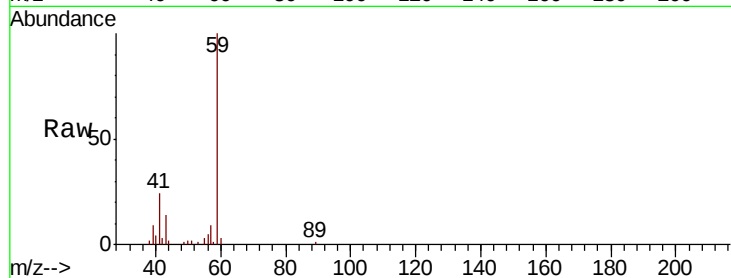
#11
Tert butyl alcohol
Concen: 300.420 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.03 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 38509
Ion Ratio Lower Upper
59 100
57 10.3 8.8 13.2

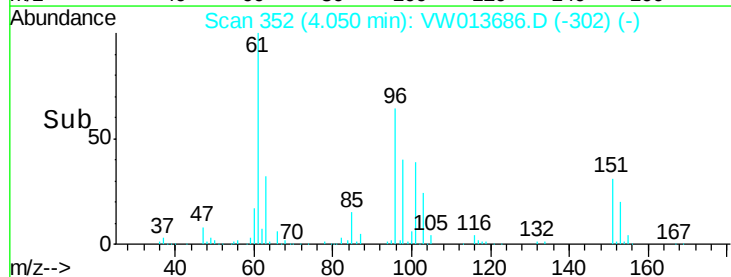
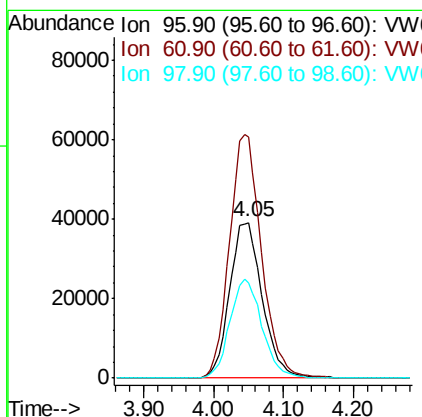
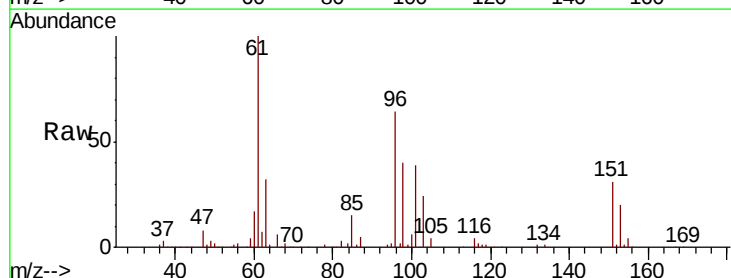
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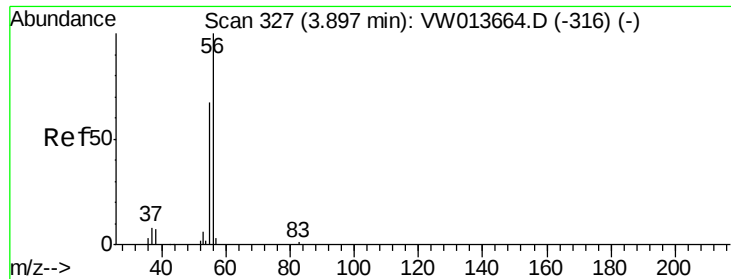
MMDadoda
10/24/2019 1:25:37 PM



#12
1,1-Dichloroethene
Concen: 49.485 ug/l
RT: 4.05 min Scan# 352
Delta R.T. 0.01 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion: 96 Resp: 127032
Ion Ratio Lower Upper
96 100
61 155.1 125.0 187.6
98 61.4 50.3 75.5





#13

Acrolein

Concen: 263.871 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38751

Ion Ratio Lower Upper

56 100

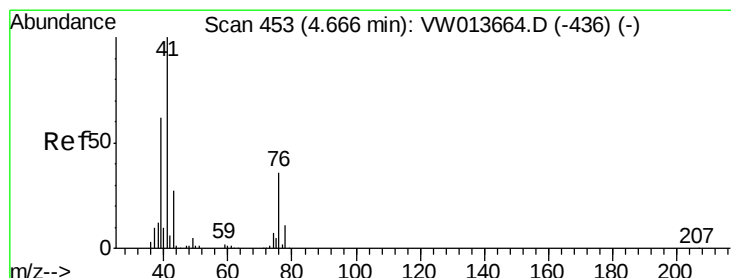
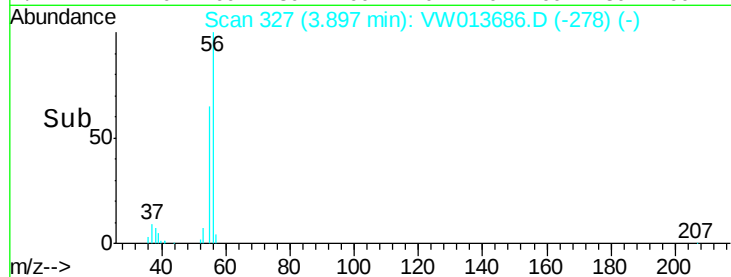
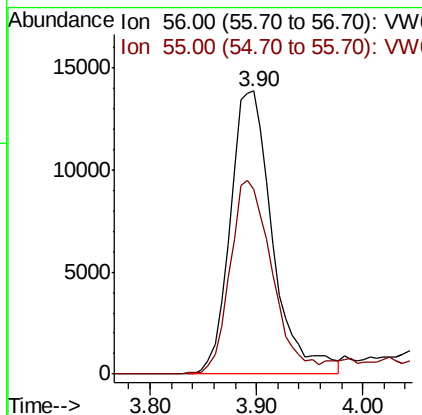
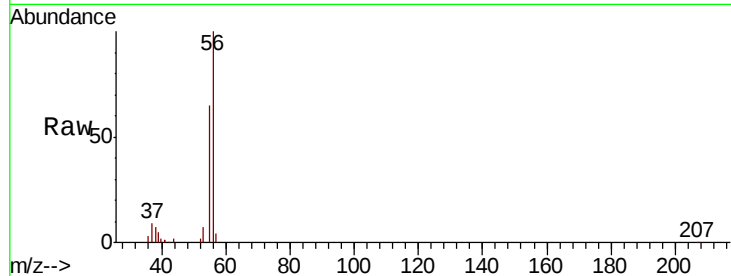
55 67.7 56.1 84.1

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#14

Allyl chloride

Concen: 50.957 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

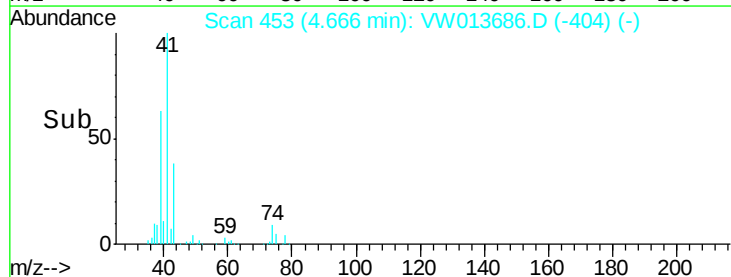
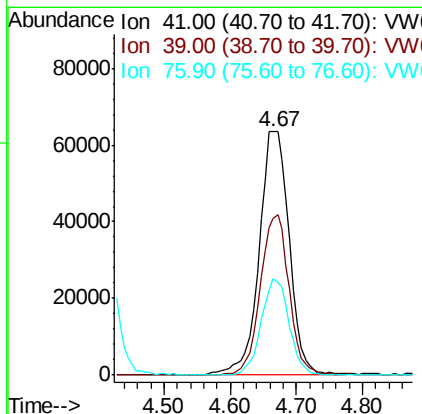
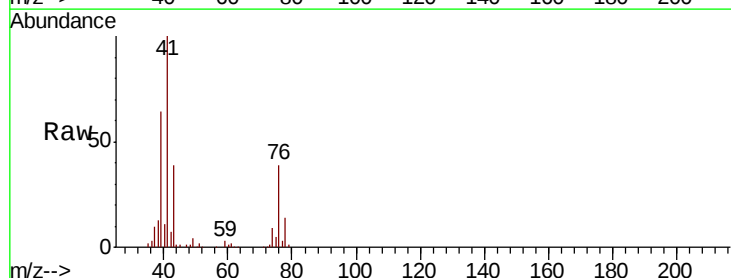
Tgt Ion: 41 Resp: 201143

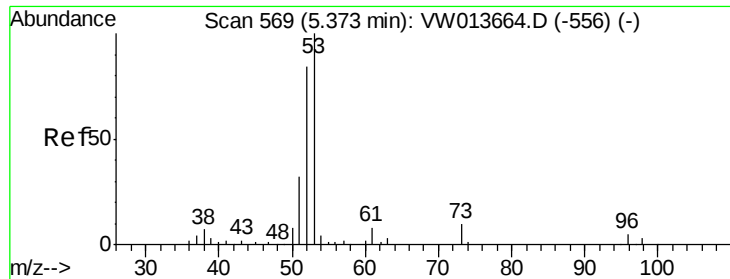
Ion Ratio Lower Upper

41 100

39 62.8 50.0 75.0

76 36.3 29.6 44.4





#15

Acrylonitrile

Concen: 298.428 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

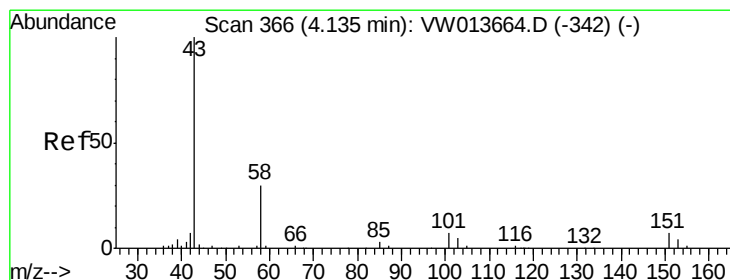
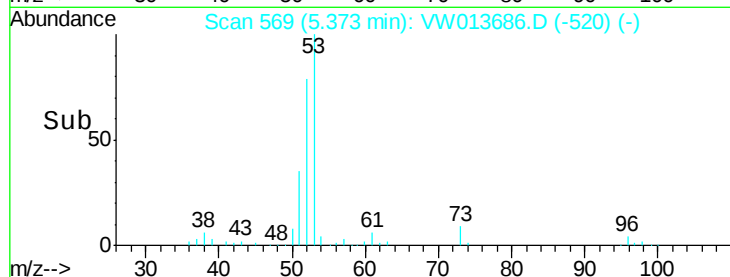
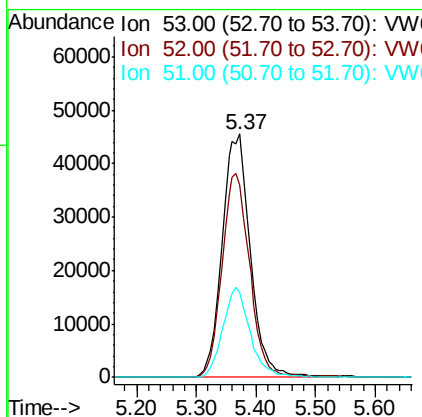
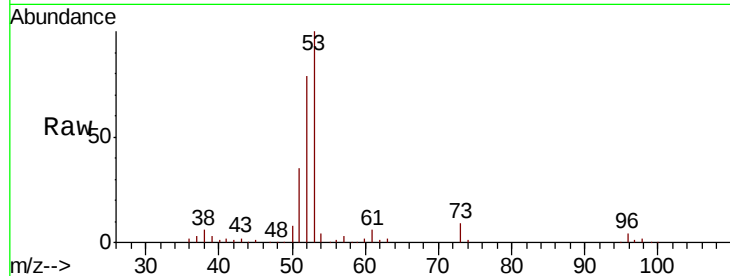
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	149872
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.4	101.0
51	35.7	29.1	43.7

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#16

Acetone

Concen: 257.713 ug/l

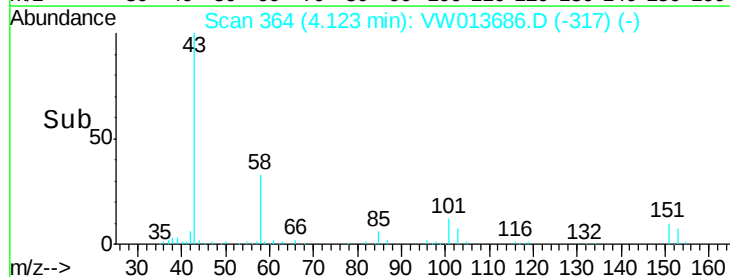
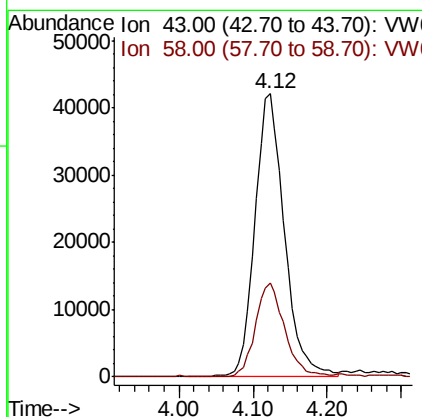
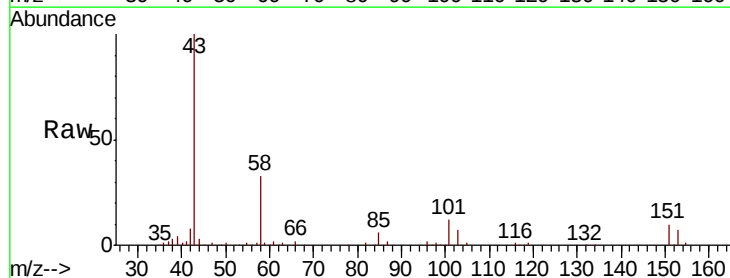
RT: 4.12 min Scan# 364

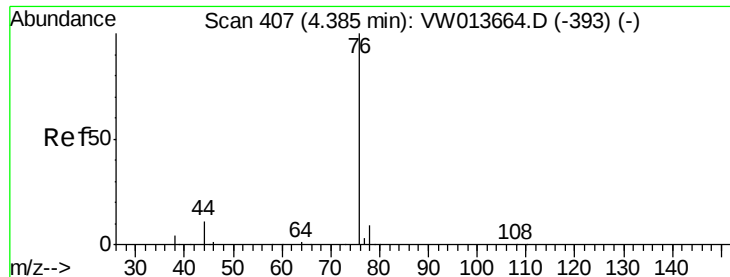
Delta R.T. -0.01 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Tgt Ion:	43	Resp:	117331
Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.1	36.1





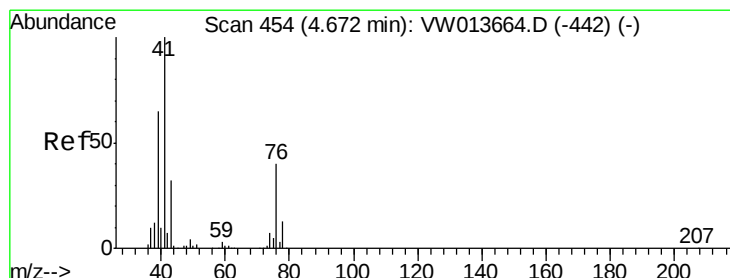
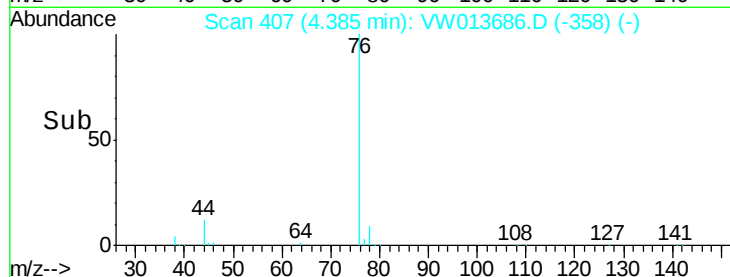
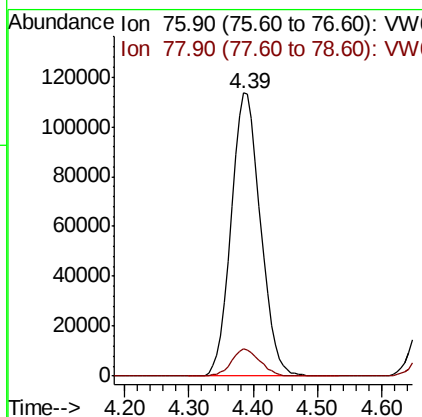
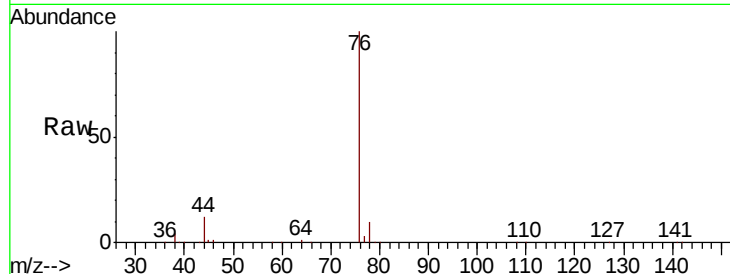
#17
Carbon Disulfide
Concen: 48.807 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.6

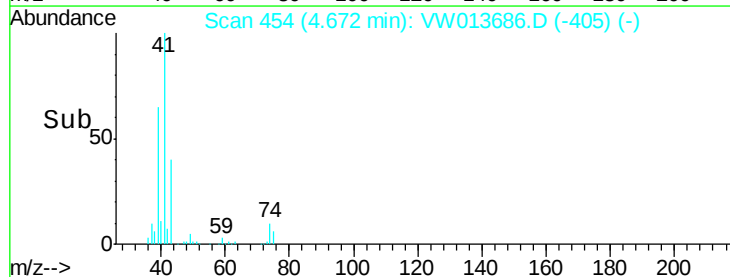
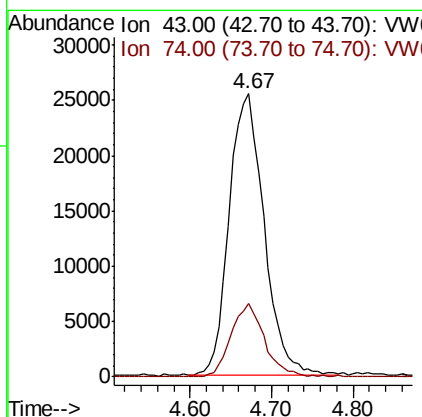
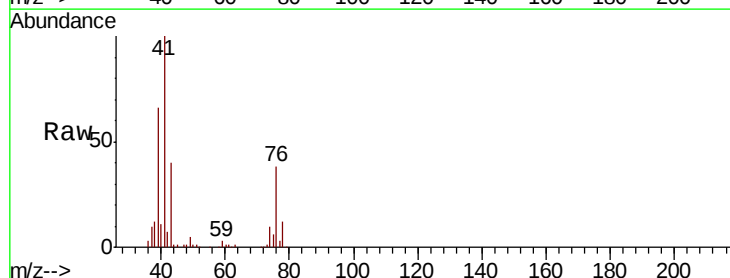
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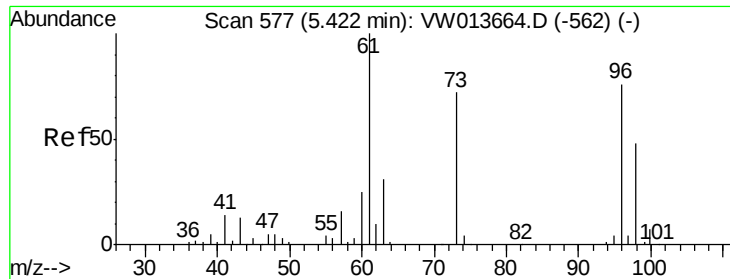
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#18
Methyl Acetate
Concen: 60.426 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





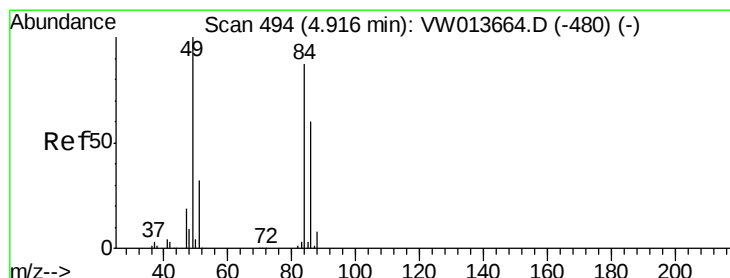
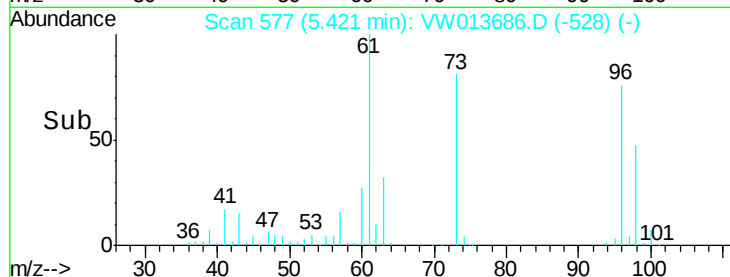
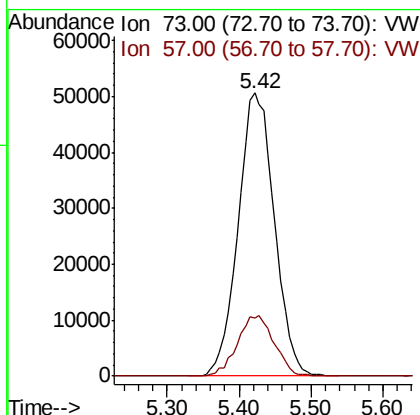
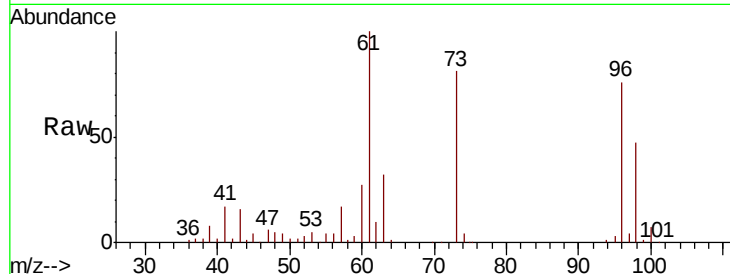
#19
Methvl tert-butvl Ether
Concen: 57.285 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 176467
Ion Ratio Lower Upper
73 100
57 20.5 17.6 26.4

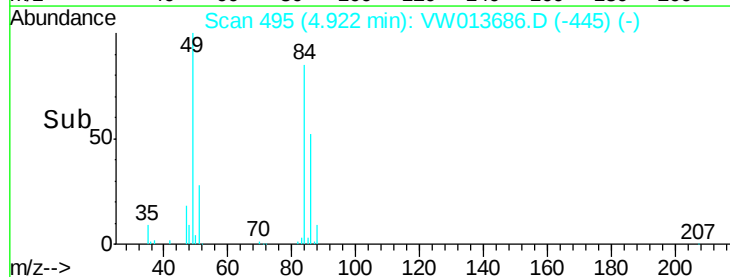
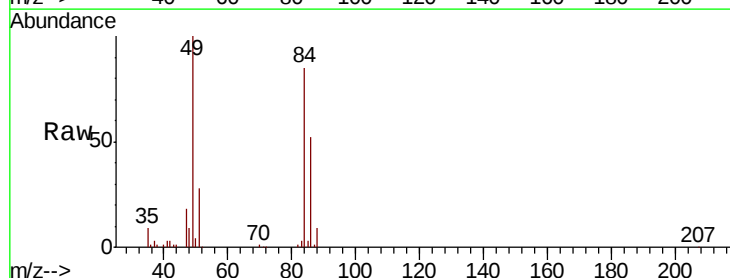
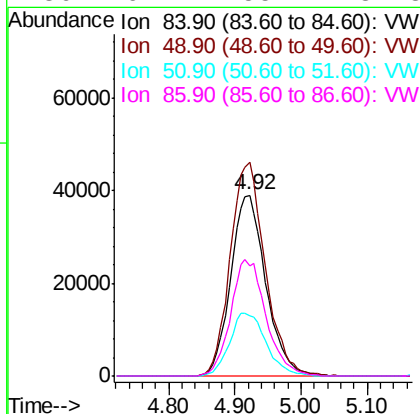
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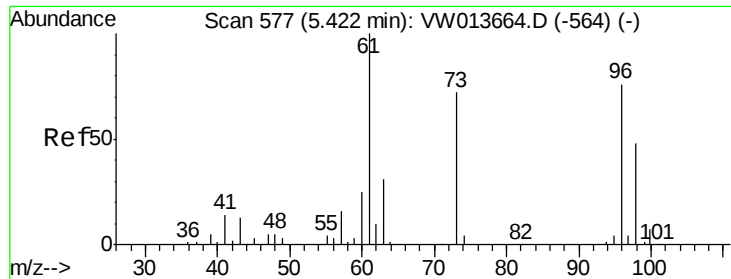
MMDadoda
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#20
Methylene Chloride
Concen: 58.087 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion: 84 Resp: 143578
Ion Ratio Lower Upper
84 100
49 117.9 91.8 137.6
51 33.3 29.8 44.6
86 61.1 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 51.883 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

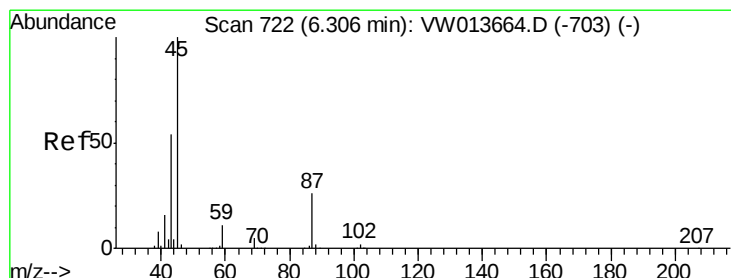
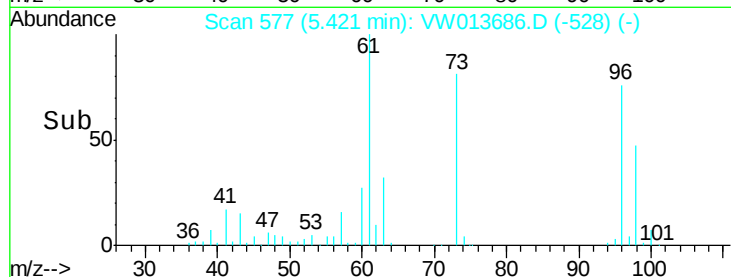
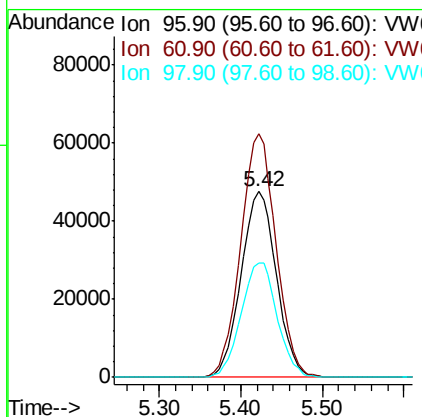
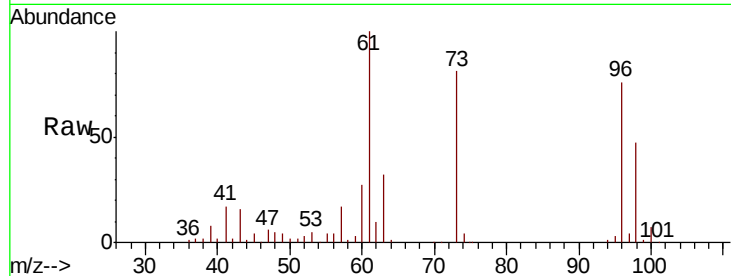
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	143351
Ion	Ratio	Lower	Upper
96	100		
61	131.0	104.8	157.2
98	61.3	50.6	76.0

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#22

Diisopropyl ether

Concen: 55.622 ug/l

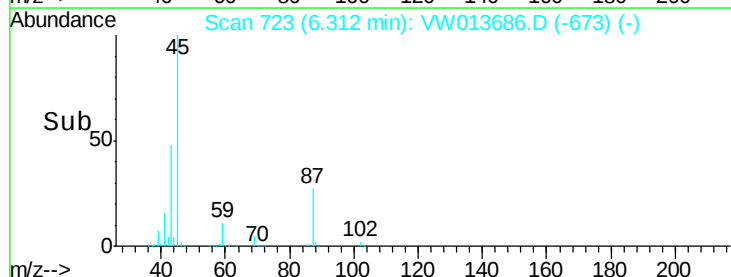
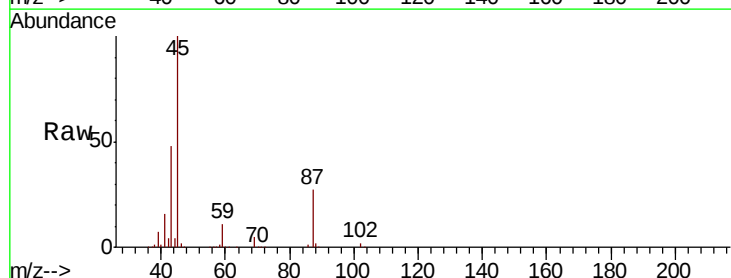
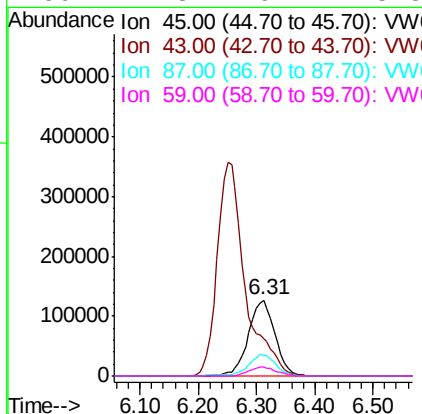
RT: 6.31 min Scan# 723

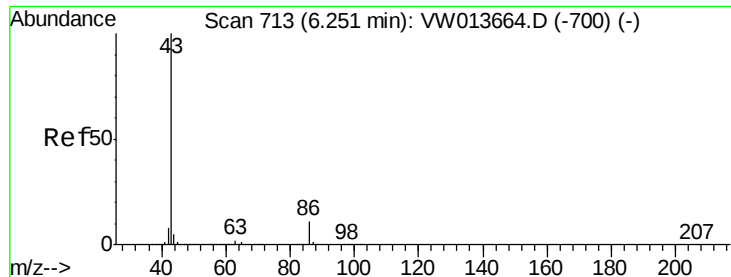
Delta R.T. 0.01 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Tgt Ion:	45	Resp:	400493
Ion	Ratio	Lower	Upper
45	100		
43	48.1	43.4	65.2
87	26.9	21.5	32.3
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 283.472 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1184316

Ion Ratio Lower Upper

43 100

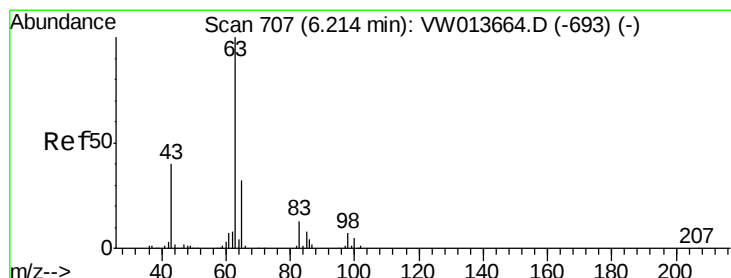
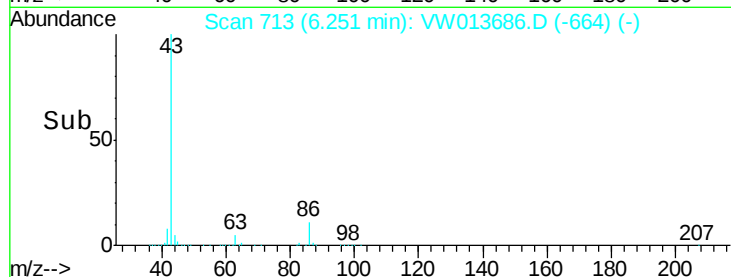
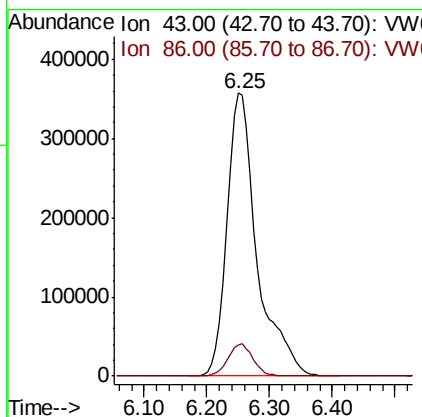
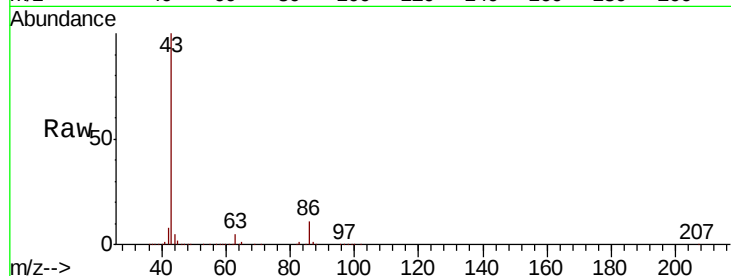
86 11.0 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.267 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

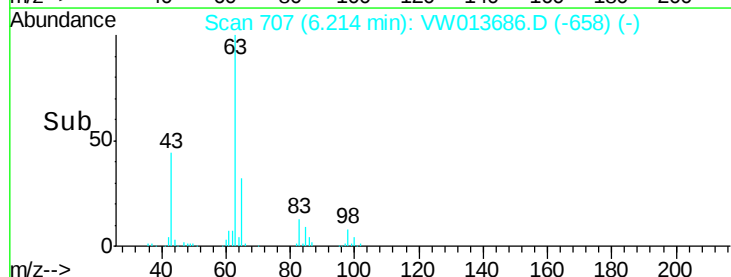
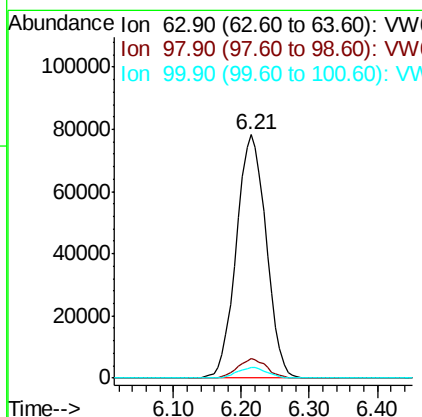
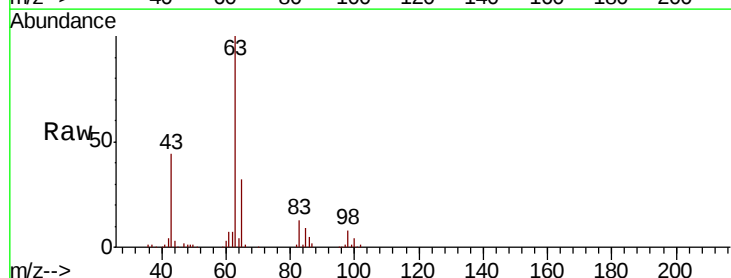
Tgt Ion: 63 Resp: 238343

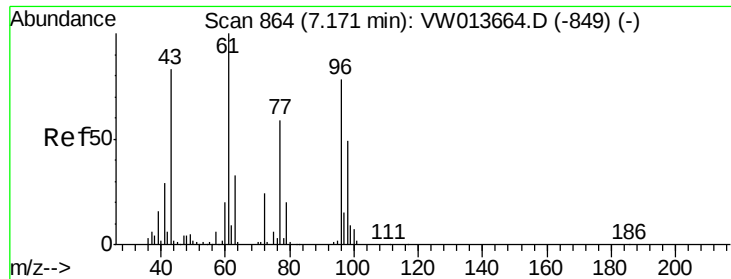
Ion Ratio Lower Upper

63 100

98 8.2 3.6 10.9

100 4.4 2.5 7.4





#25

2-Butanone

Concen: 289.159 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 189268

Ion Ratio Lower Upper

43 100

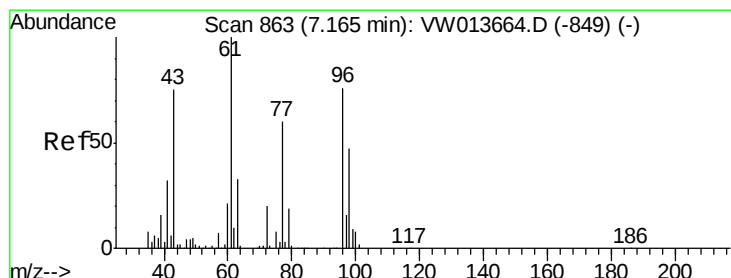
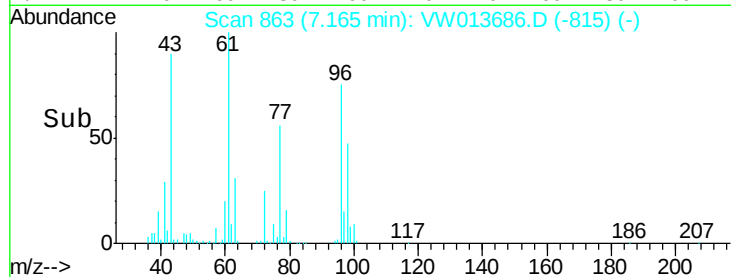
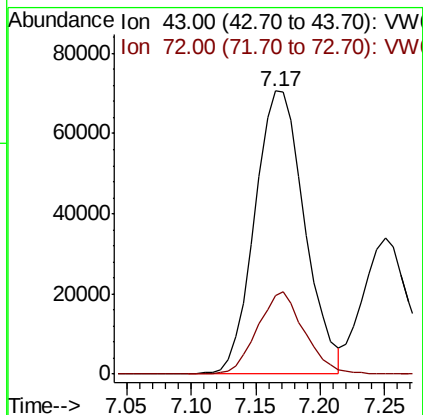
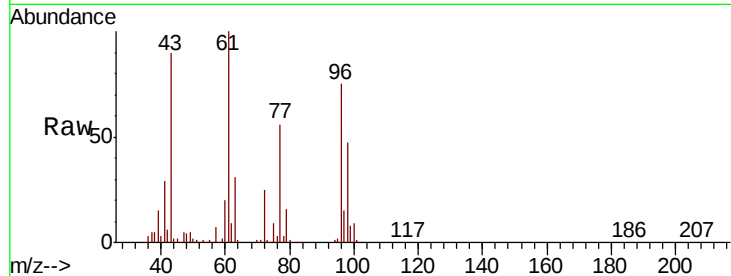
72 27.9 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.767 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013686.D

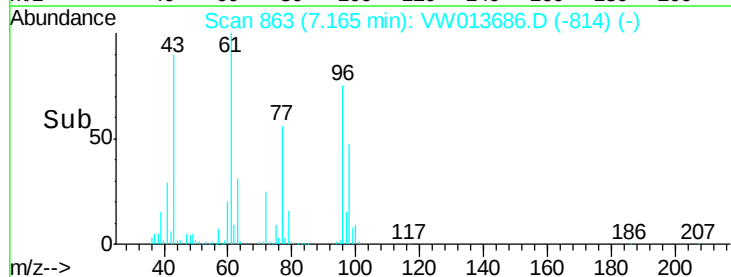
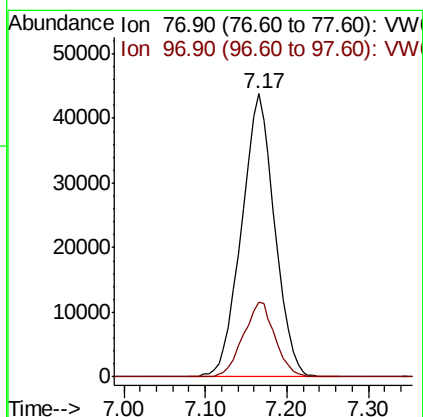
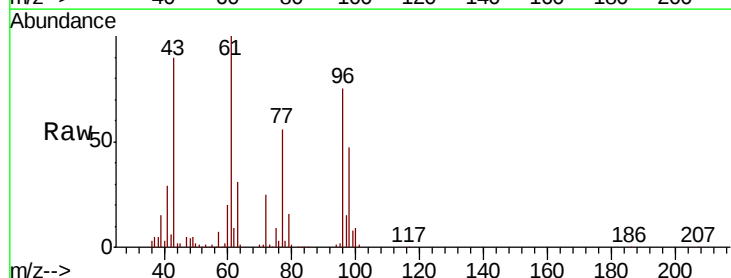
Acq: 24 Oct 2019 00:28

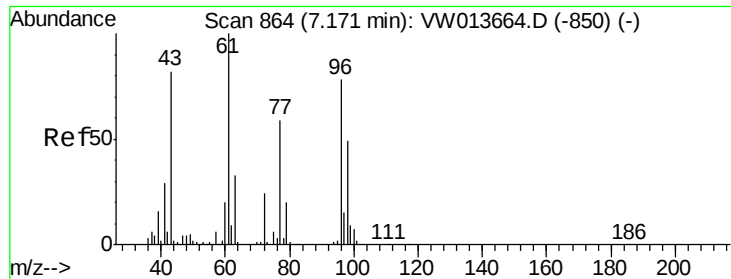
Tgt Ion: 77 Resp: 123319

Ion Ratio Lower Upper

77 100

97 25.3 12.8 38.4





#27

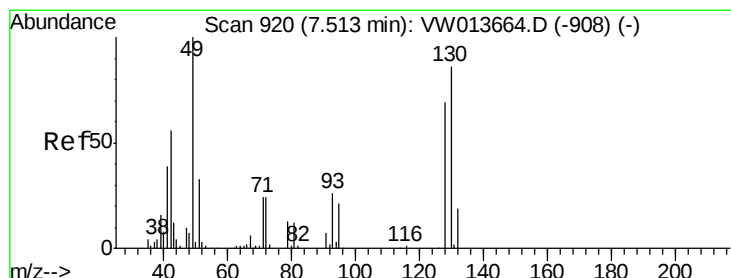
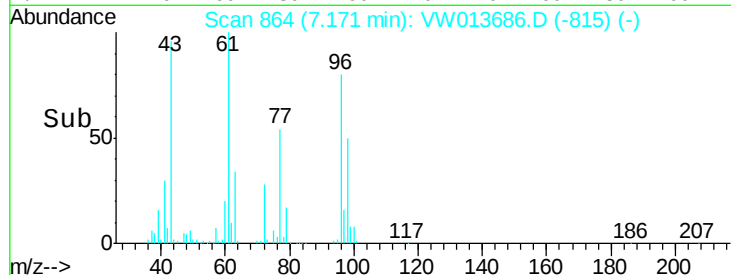
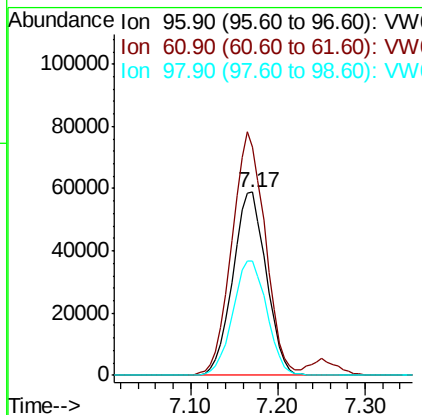
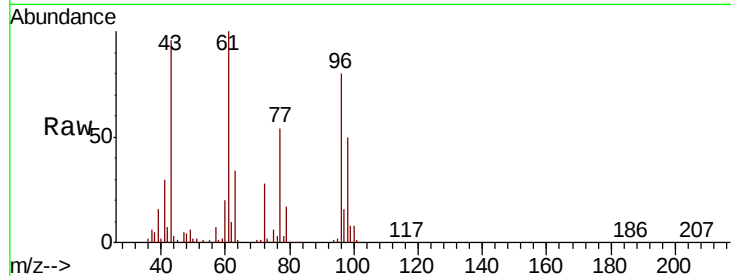
cis-1,2-Dichloroethene
Concen: 53.387 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.9	0.0	266.0	
98	63.5	0.0	126.8	

Manual Integrations
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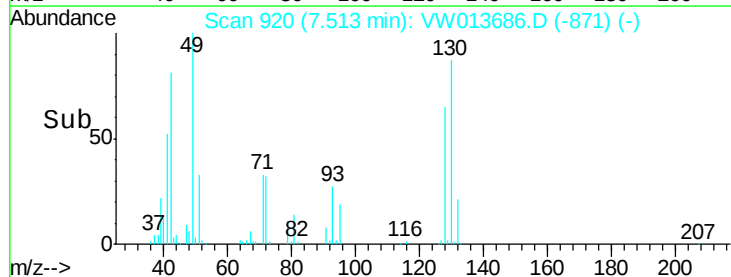
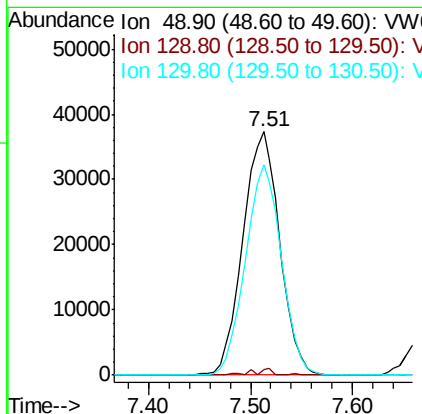
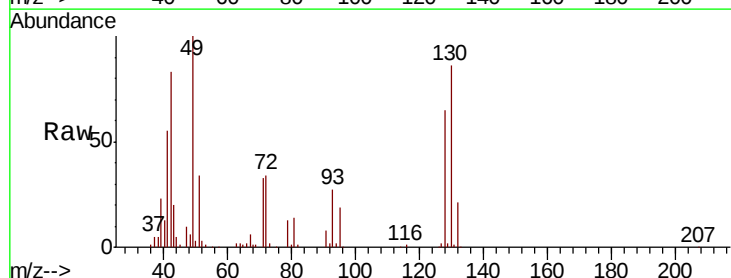
MMDadoda
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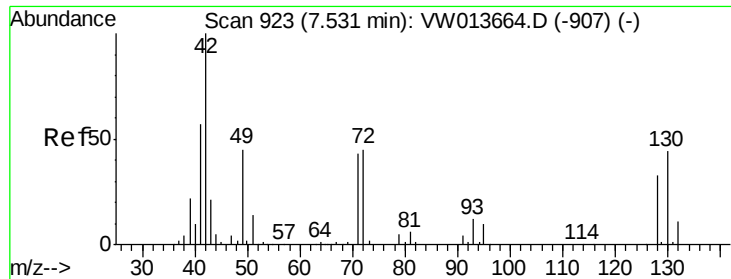


#28

Bromochloromethane
Concen: 57.338 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	0.6#	
130	85.0	67.5	101.3	





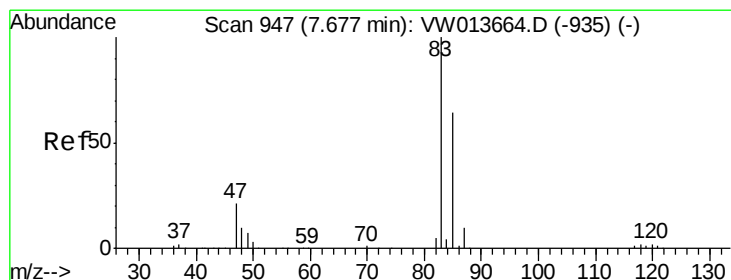
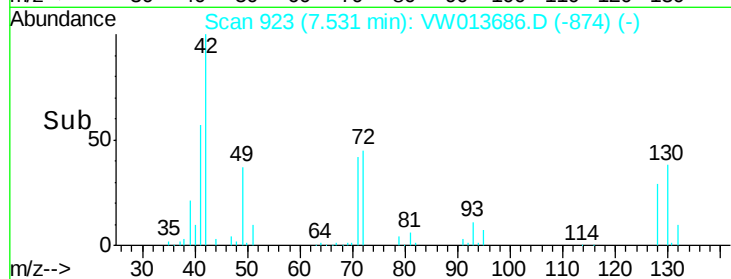
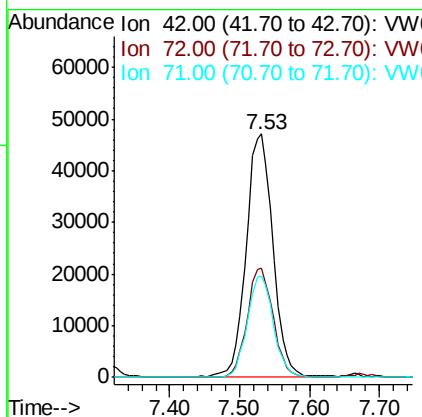
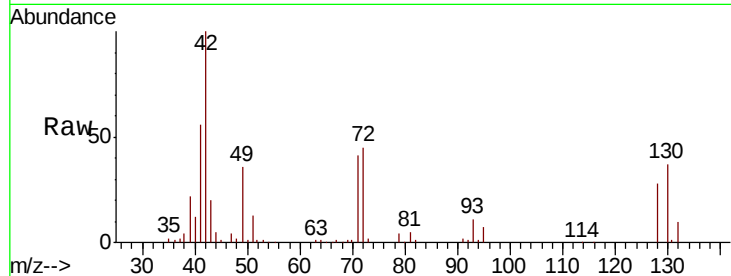
#29
Tetrahydrofuran
Concen: 309.918 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.3	52.9
71	40.4	33.3	49.9

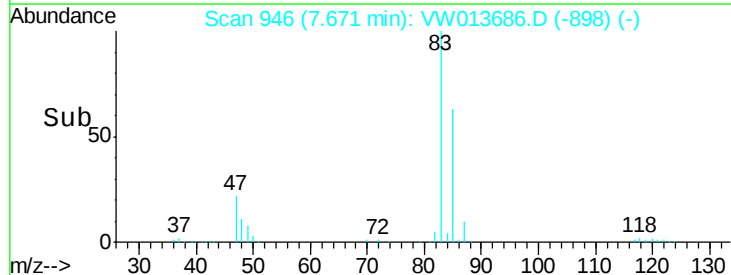
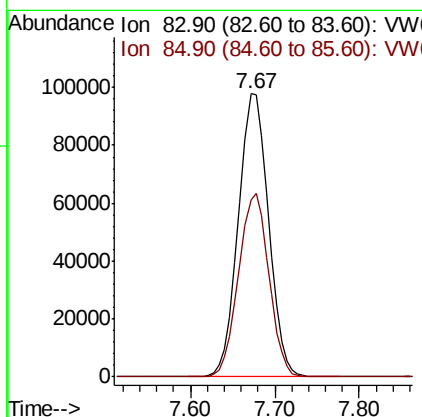
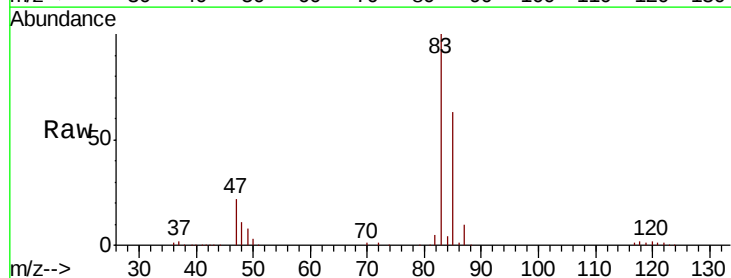
Manual Integrations
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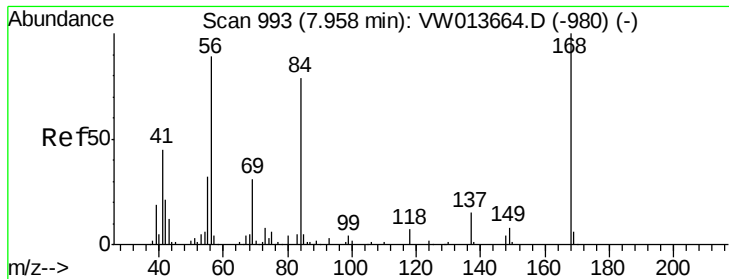
MMDadoda
10/24/2019 1:25:37 PM



#30
Chloroform
Concen: 52.507 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.2





#31

Cyclohexane

Concen: 44.615 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

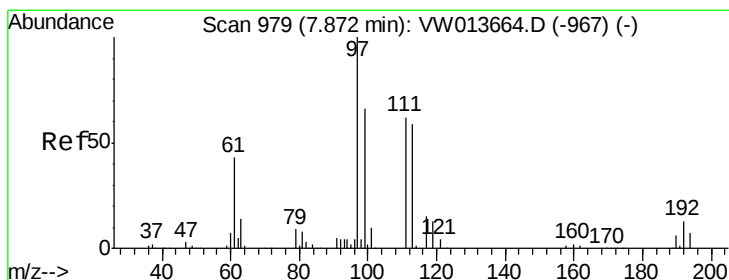
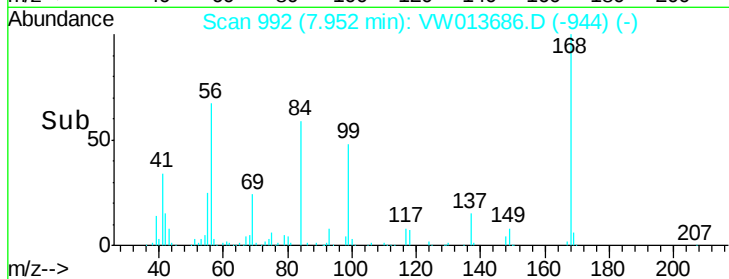
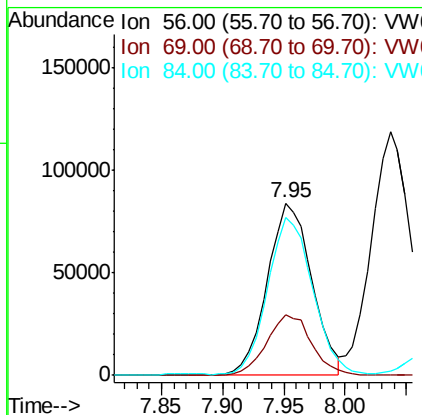
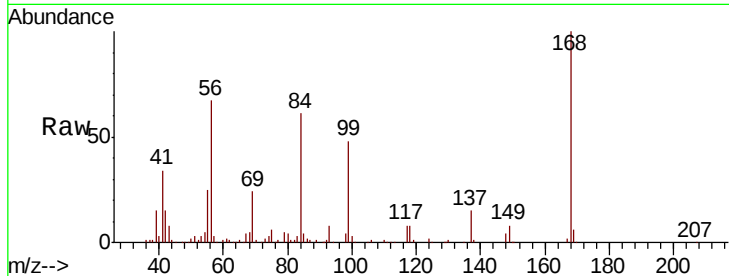
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	212911
Ion Ratio	Lower	Upper	
56	100		
69	35.2	27.5	41.3
84	90.2	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.151 ug/l

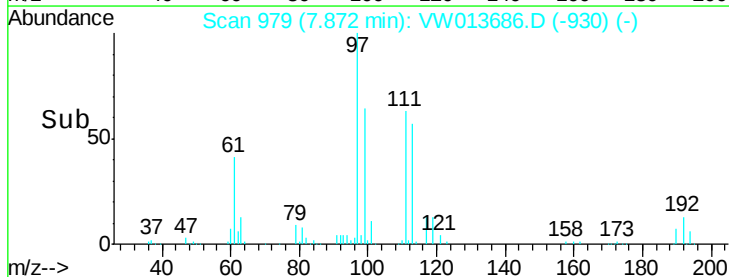
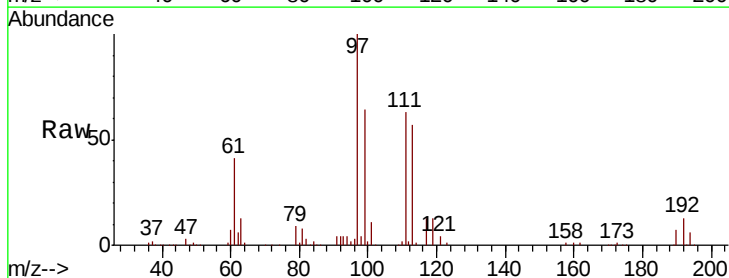
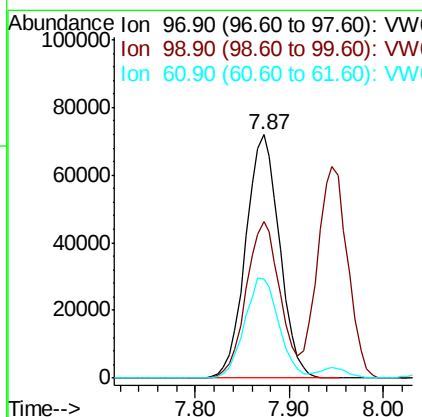
RT: 7.87 min Scan# 979

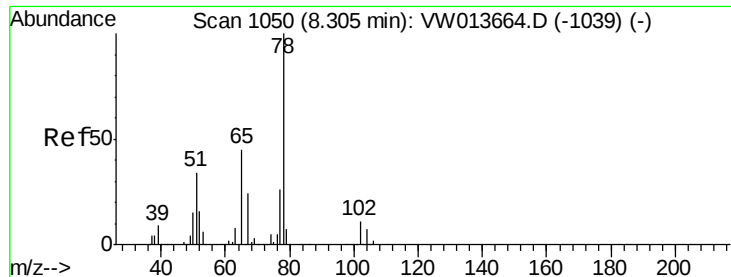
Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Tgt Ion:	97	Resp:	180946
Ion Ratio	Lower	Upper	
97	100		
99	64.2	52.0	78.0
61	41.9	33.8	50.6





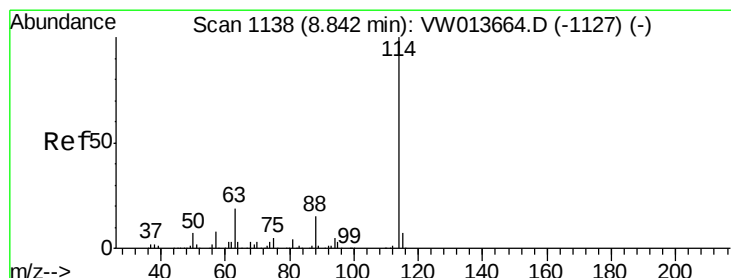
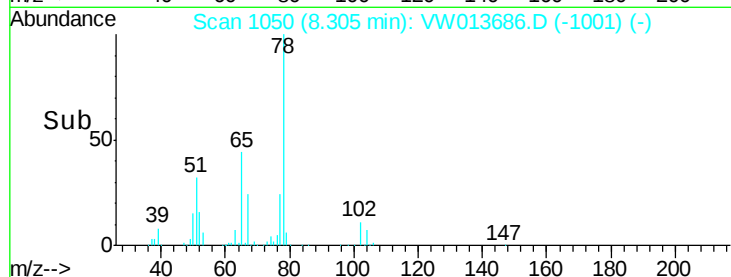
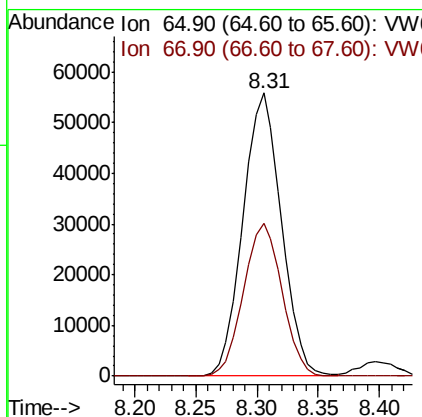
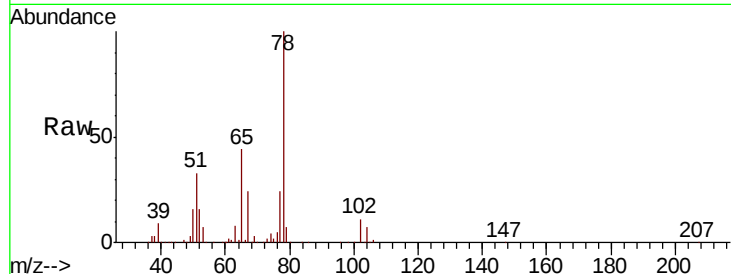
#33
 1,2-Dichloroethane-d4
 Concen: 56.861 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	109.4

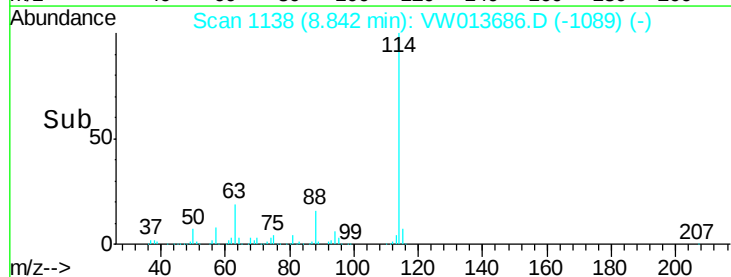
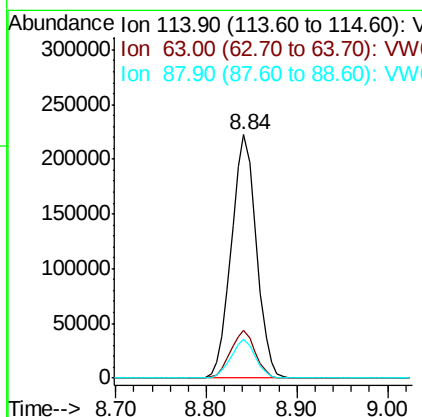
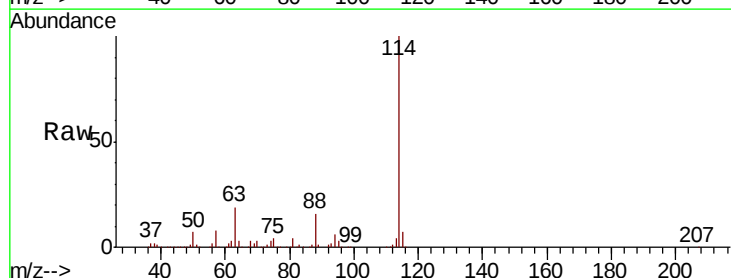
Manual Integrations
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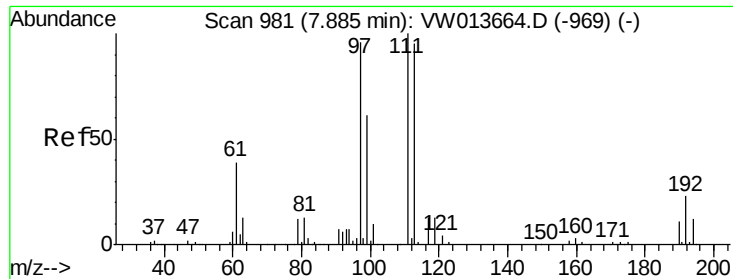
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	37.6
88	16.1	0.0	30.2





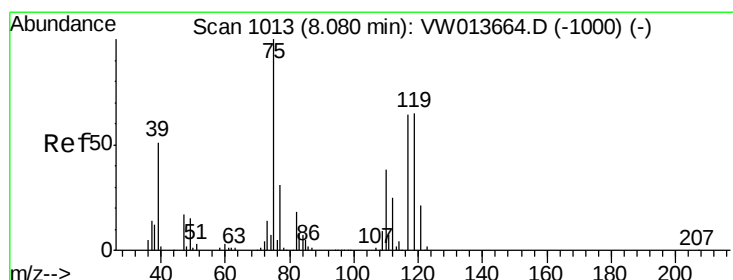
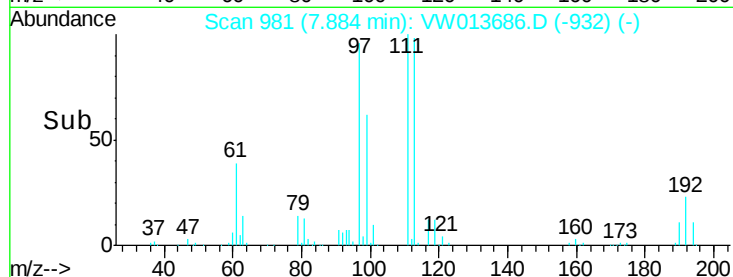
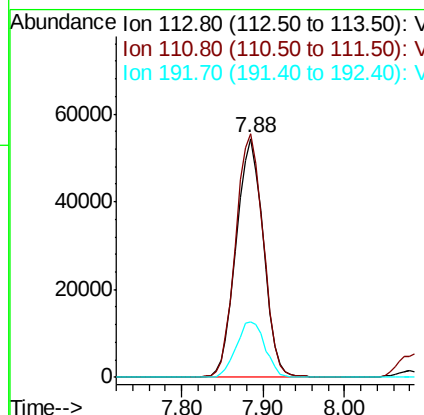
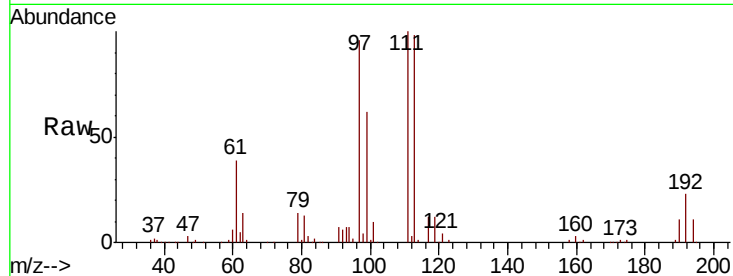
#35
 Dibromofluoromethane
 Concen: 53.081 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125496		
111	103.5	83.0	124.6	
192	24.4	19.4	29.2	

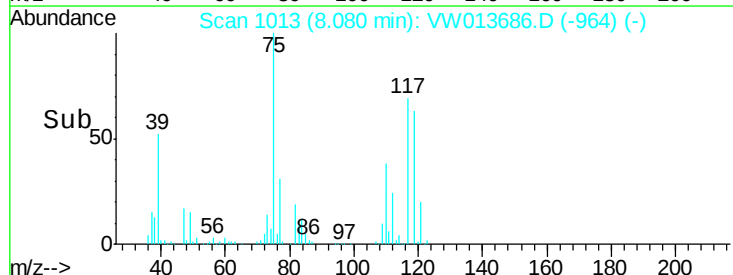
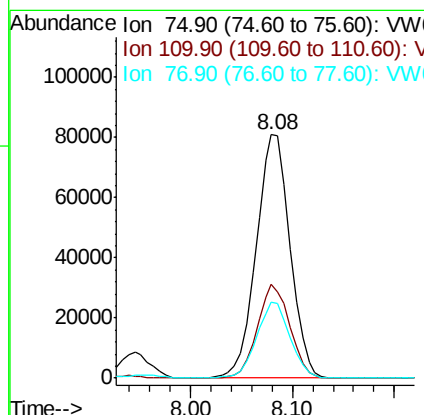
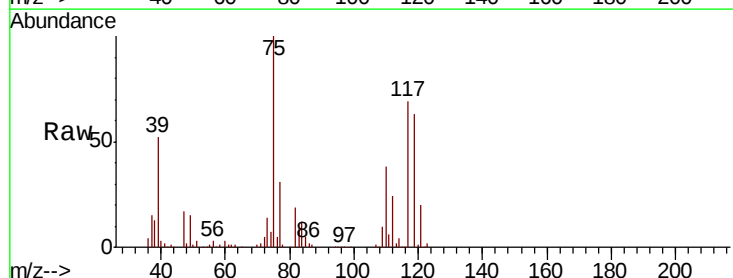
Manual Integrations
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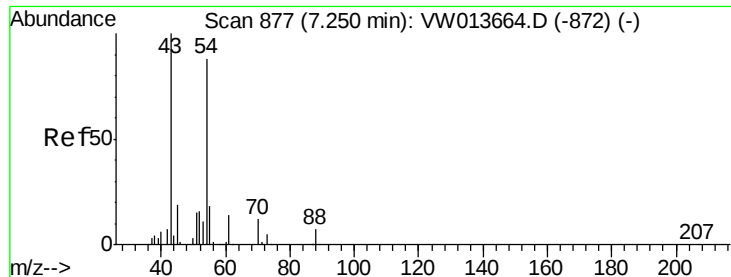
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#36
 1,1-Dichloropropene
 Concen: 47.032 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	186368		
110	36.8	18.7	56.1	
77	31.0	25.4	38.0	





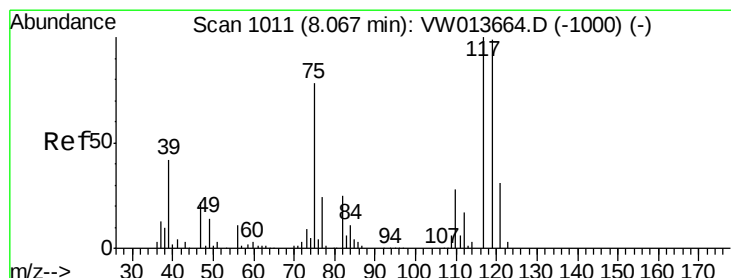
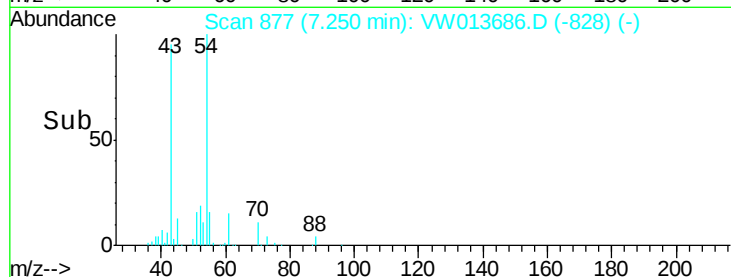
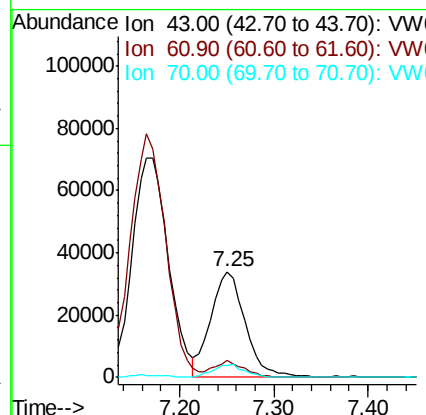
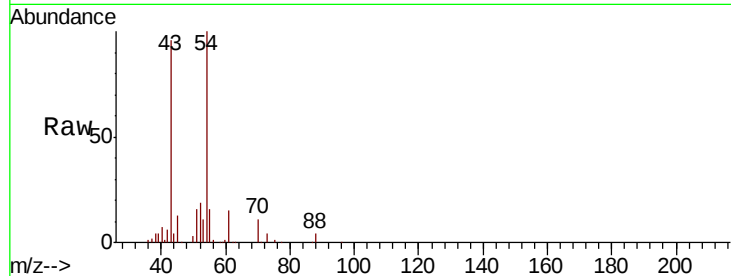
#37
Ethyl Acetate
Concen: 56.316 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.7	17.5
70	11.5	8.8	13.2

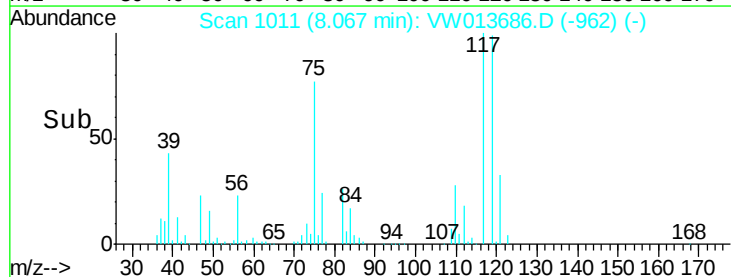
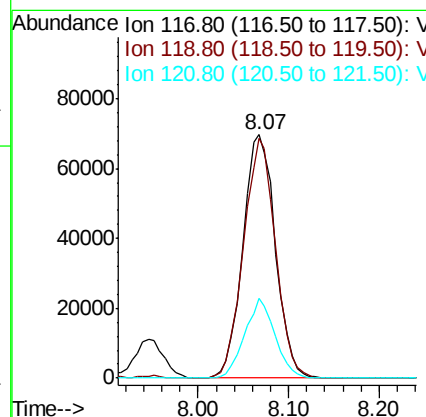
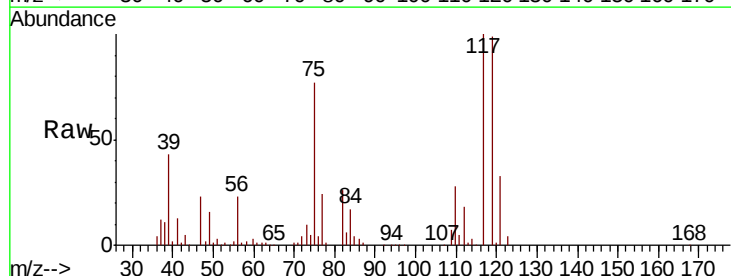
Manual Integrations
APPROVED

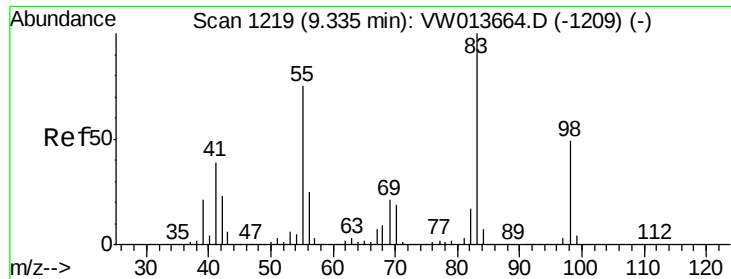
MMDadoda
10/24/2019 1:25:37 PM



#38
Carbon Tetrachloride
Concen: 48.329 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	79.0	118.4
121	32.8	24.5	36.7





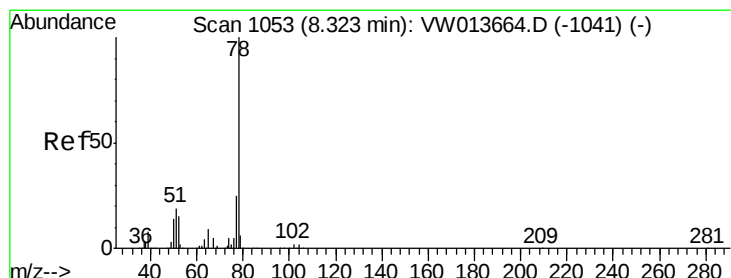
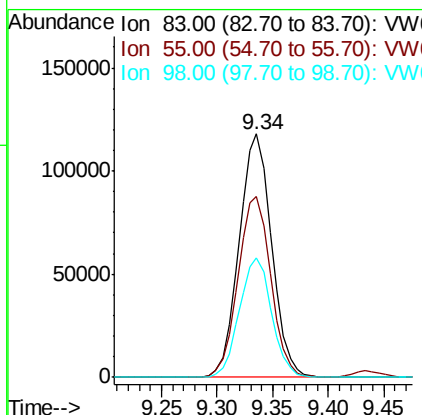
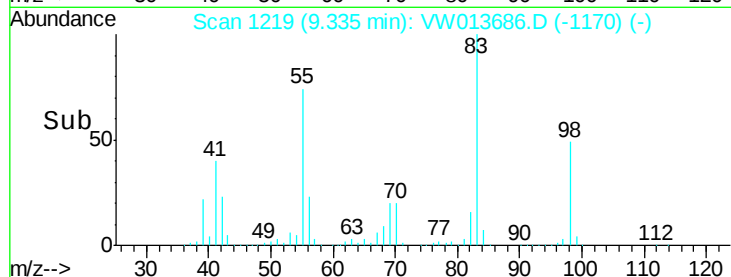
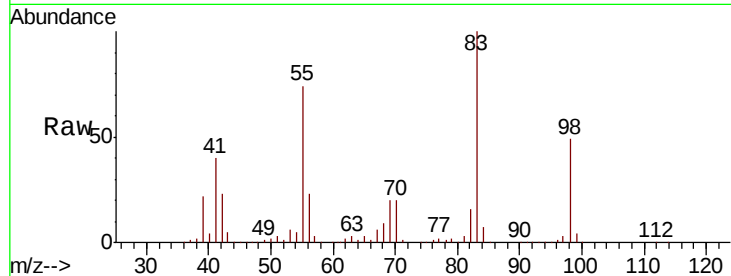
#39
Methvlcvclohexane
Concen: 46.689 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	238919
Ion Ratio	100	Lower	Upper
83	100		
55	74.5	59.9	89.9
98	48.9	39.4	59.2

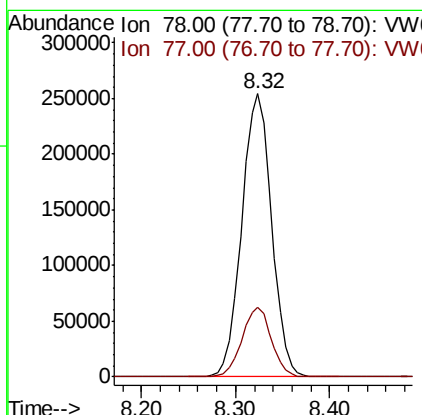
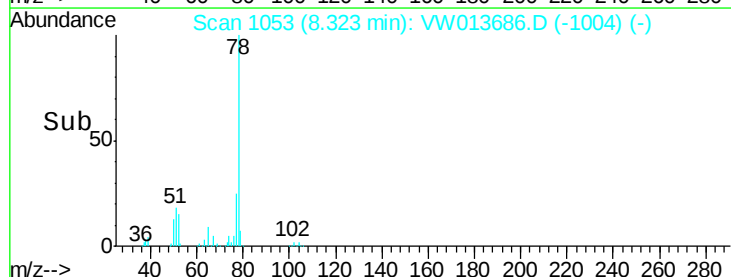
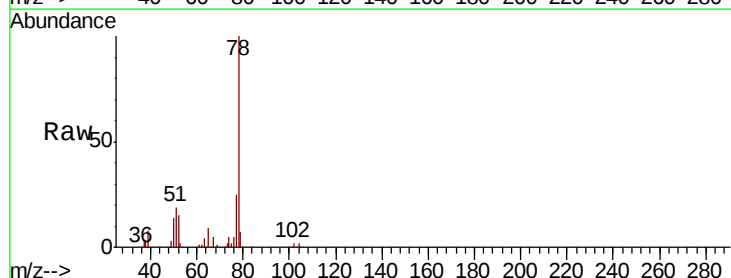
Manual Integrations
APPROVED

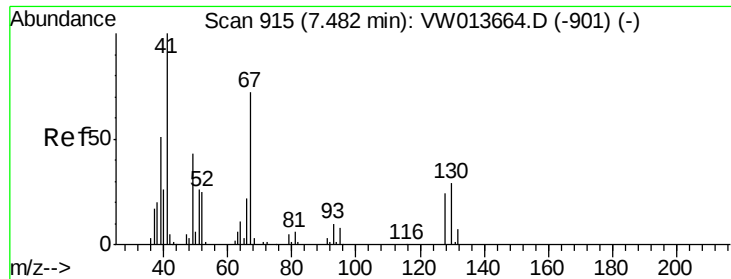
MMDadoda
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#40
Benzene
Concen: 50.197 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	78.00	Resp	562912
Ion Ratio	100	Lower	Upper
78	100		
77	24.8	19.6	29.4





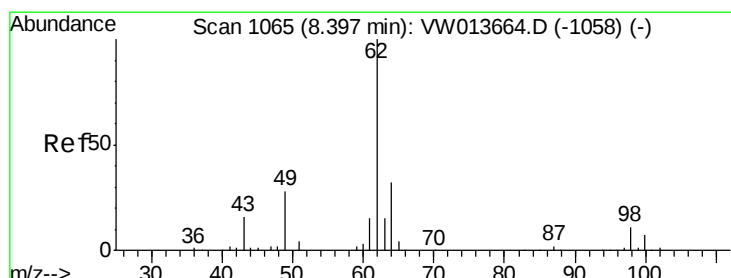
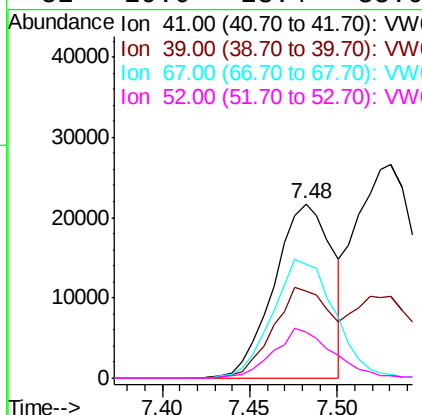
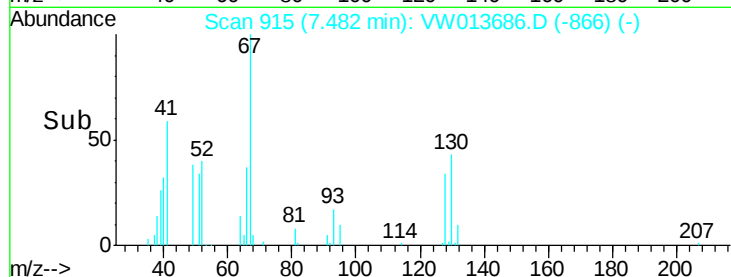
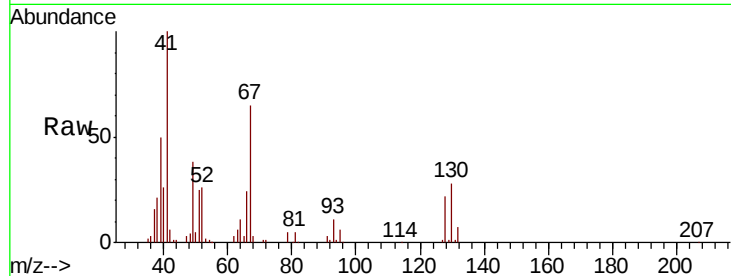
#41
Methacrylonitrile
Concen: 53.477 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		50584		
39	51.5	44.8	67.2		
67	72.7	59.3	88.9		
52	29.0	23.4	35.0		

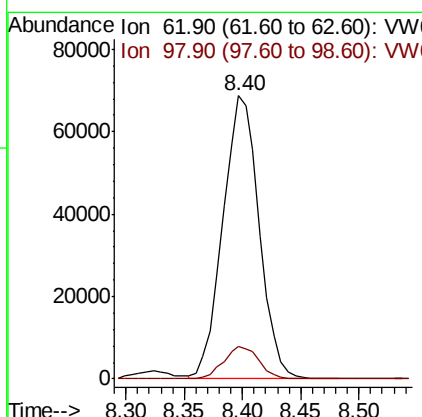
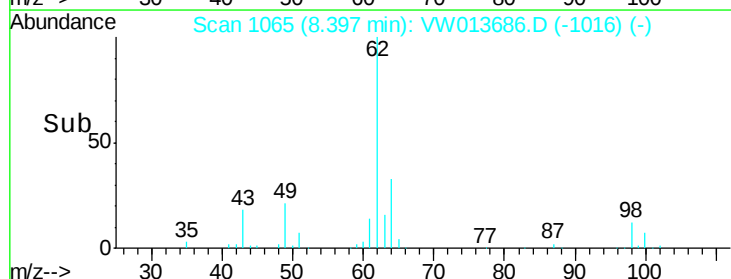
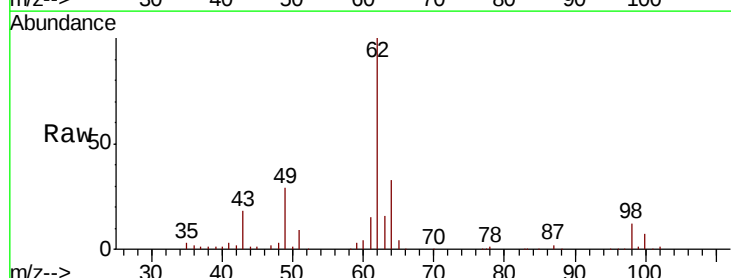
Manual Integrations
APPROVED

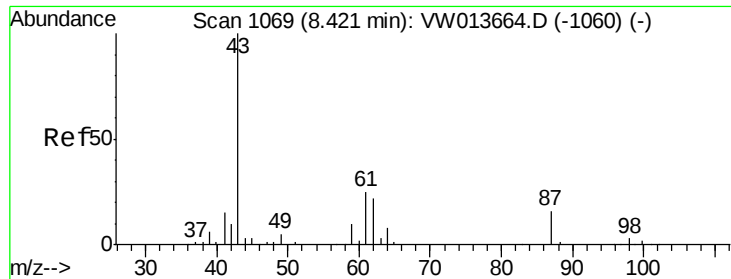
MMDadoda
10/24/2019 1:25:37 PM



#42
1,2-Dichloroethane
Concen: 52.486 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		148319		
98	11.1	0.0	22.4		





#43

Isopropyl Acetate

Concen: 55.924 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

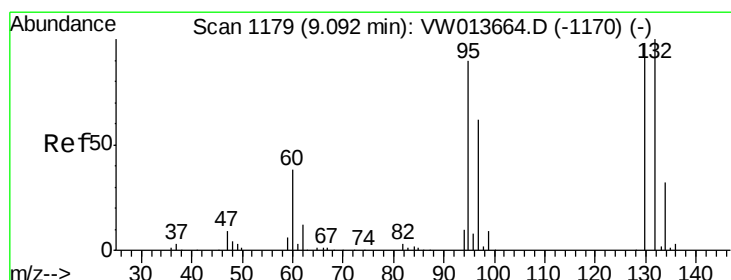
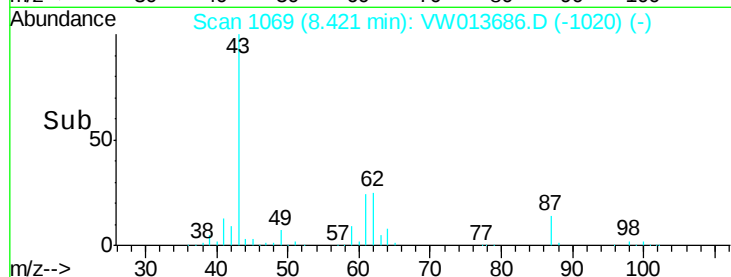
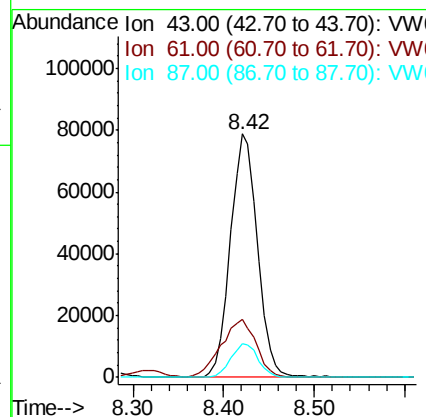
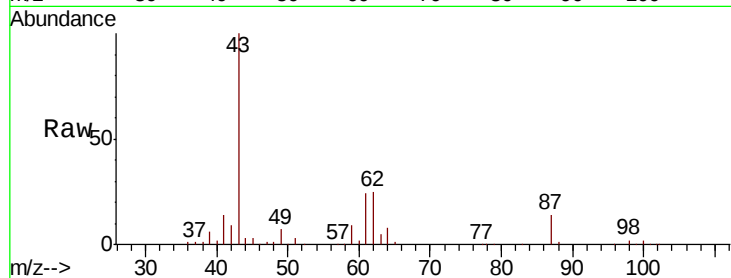
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	162376
Ion	Ratio	Lower	Upper
43	100		
61	31.0	26.1	39.1
87	13.9	11.4	17.0

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#44

Trichloroethene

Concen: 49.524 ug/l

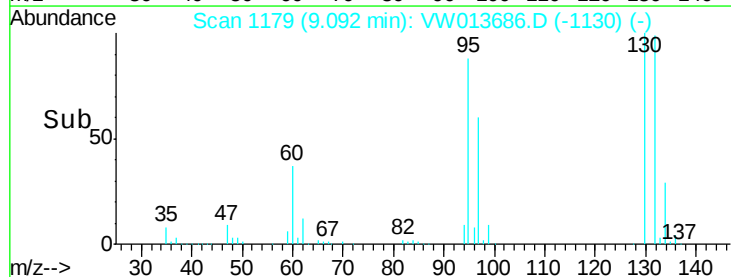
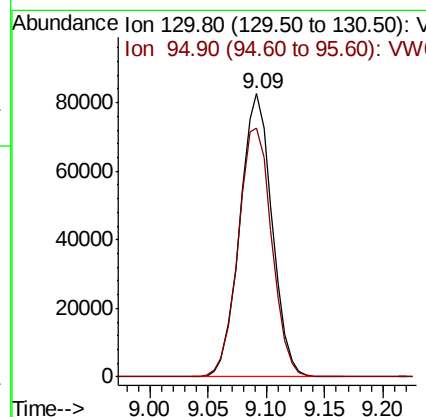
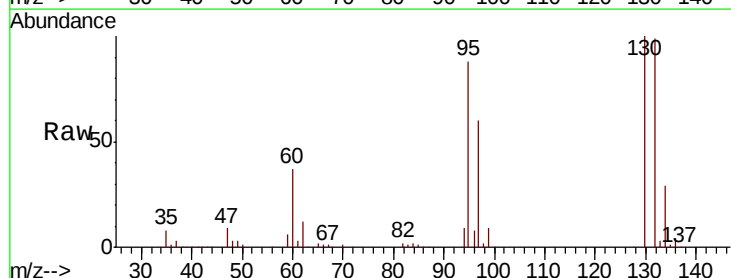
RT: 9.09 min Scan# 1179

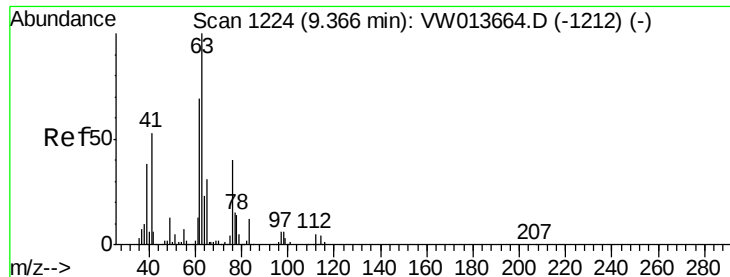
Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Tgt Ion:	130	Resp:	159084
Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	184.6





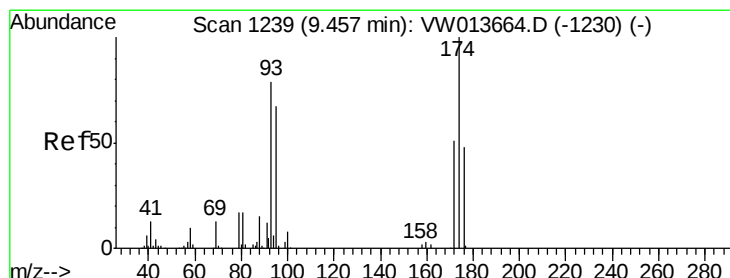
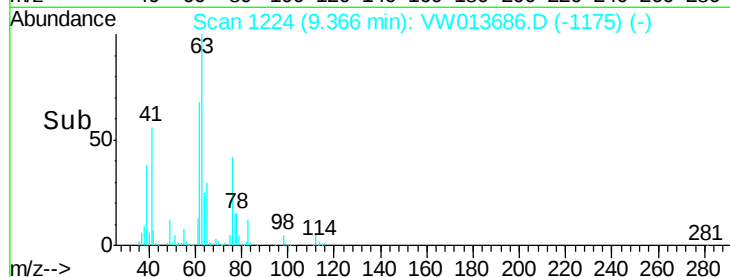
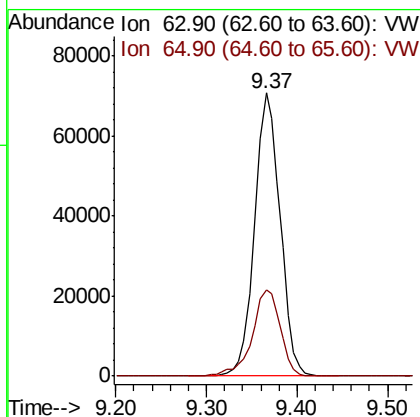
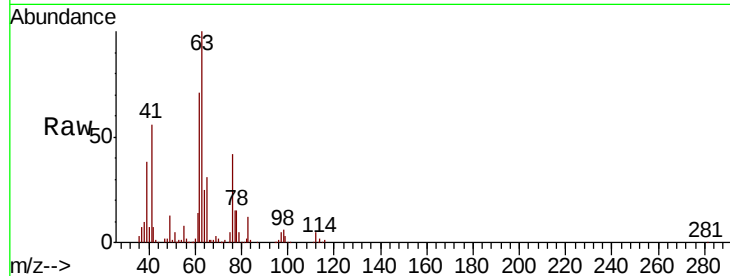
#45
 1,2-Dichloropropane
 Concen: 51.392 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 137656
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.2 37.8

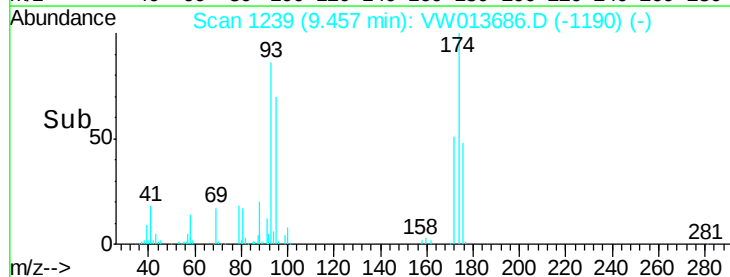
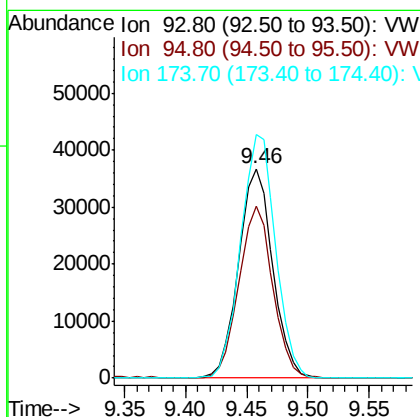
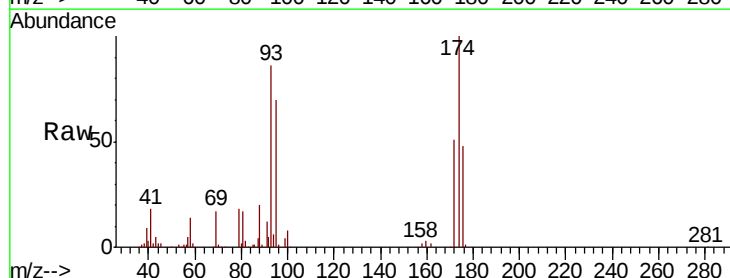
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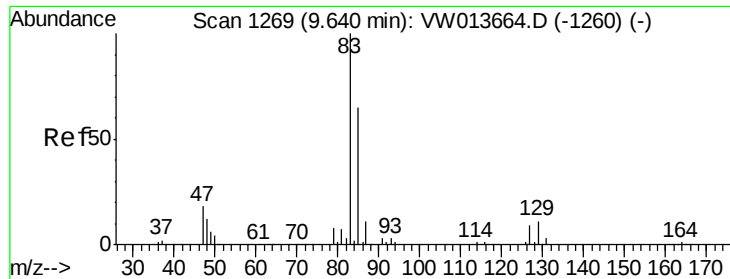
MMDadoda
 10/24/2019 1:25:37 PM



#46
 Dibromomethane
 Concen: 54.718 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Tgt Ion: 93 Resp: 71136
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.5 99.7
 174 119.1 99.6 149.4





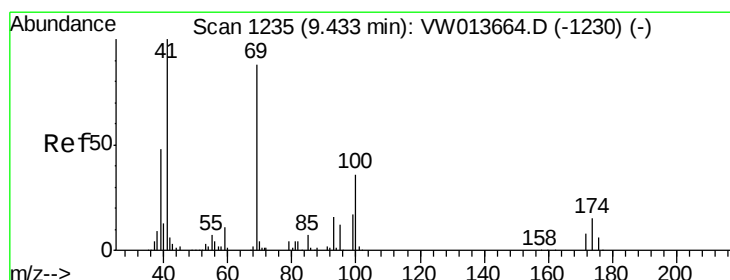
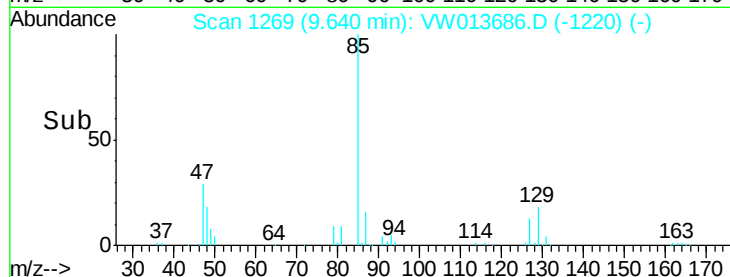
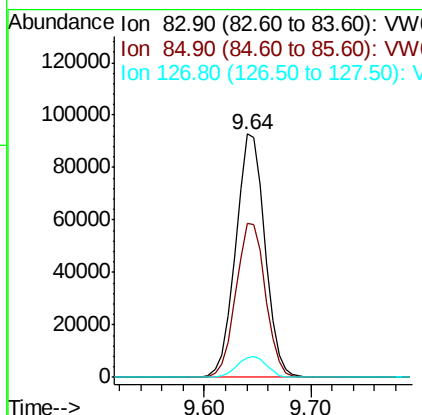
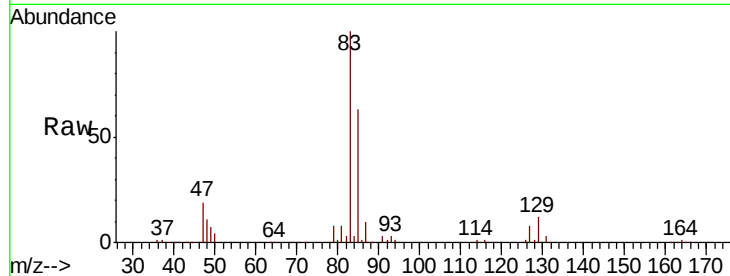
#47
Bromodichloromethane
Concen: 53.182 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	178894
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	51.8	77.6
127	8.2	7.3	10.9

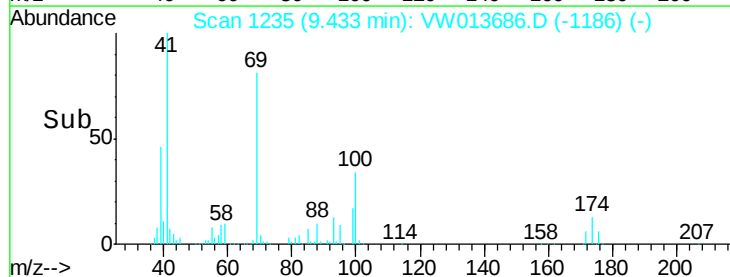
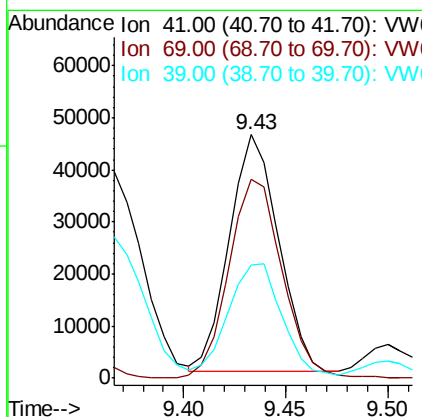
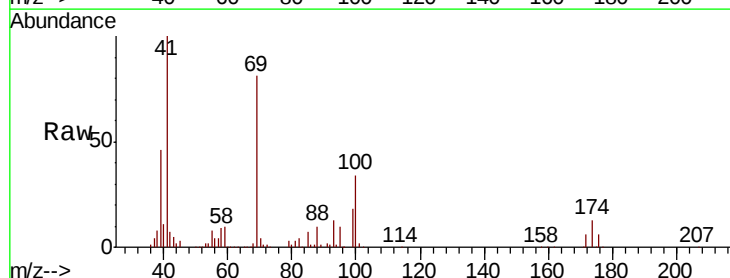
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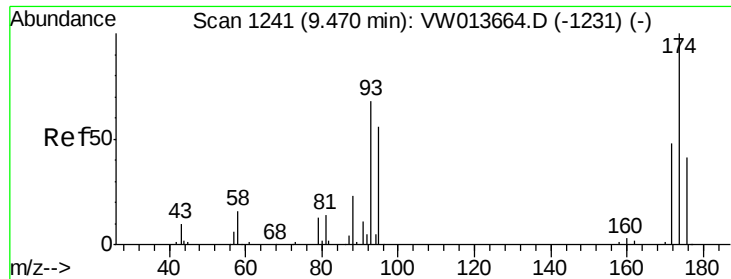
MMDadoda
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#48
Methyl methacrylate
Concen: 53.184 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	41	Resp	76577
Ion Ratio	100	Lower	Upper
41	100		
69	91.1	67.6	101.4
39	50.1	38.6	58.0





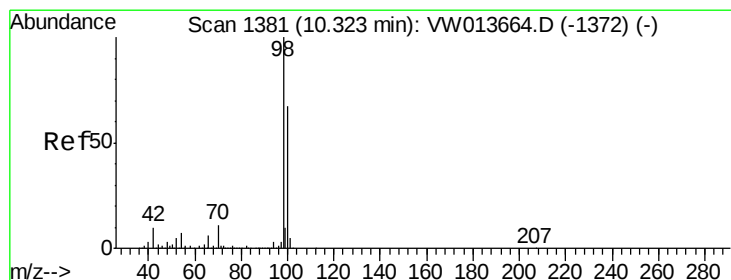
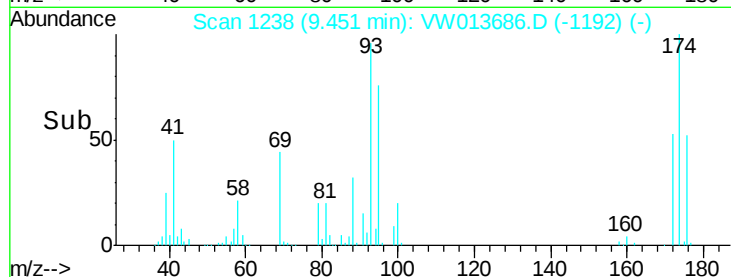
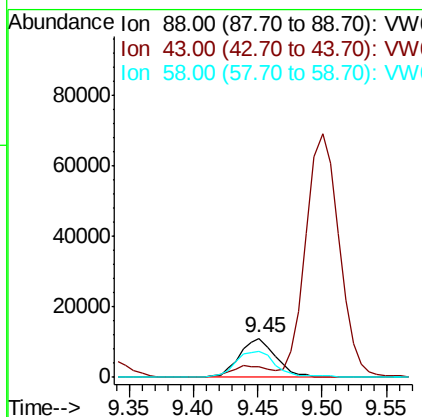
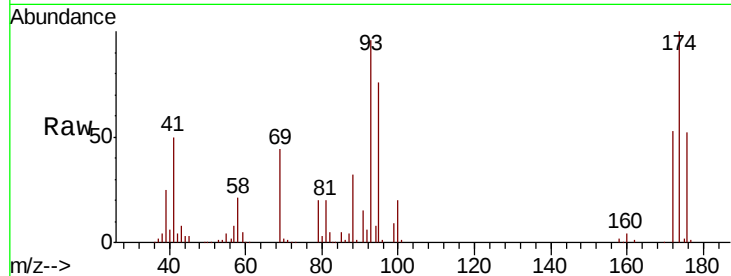
#49
1,4-Dioxane
Concen: 1128.576 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	0.0	0.0#
58	74.2	58.9	88.3

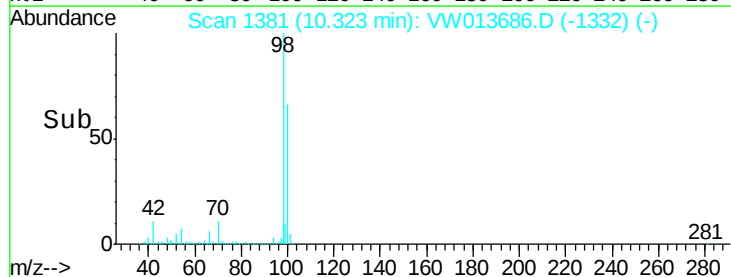
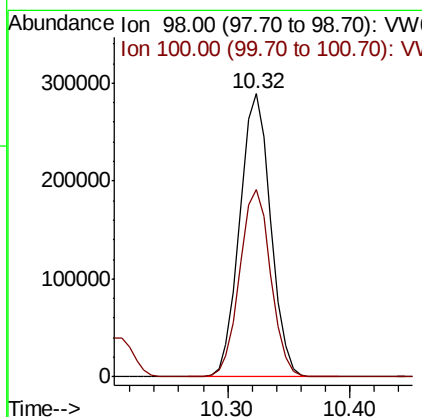
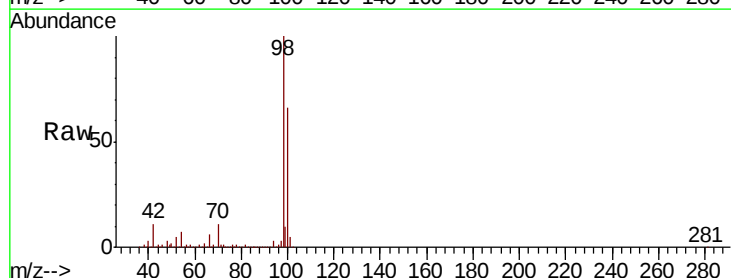
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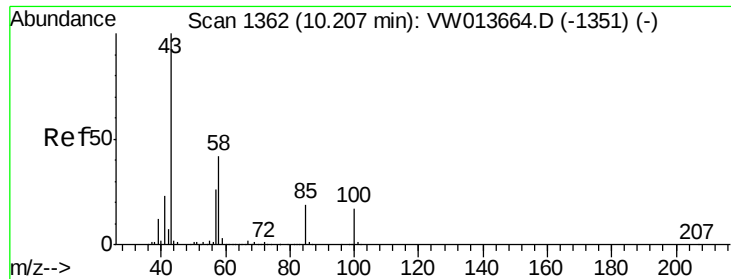
MMDadoda
10/24/2019 1:25:37 PM



#50
Toluene-d8
Concen: 52.578 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 286.951 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 414011

Ion Ratio Lower Upper

43 100

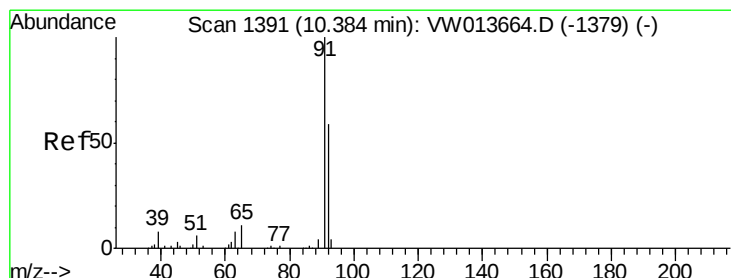
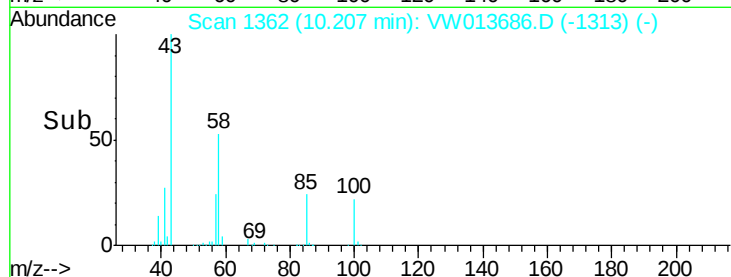
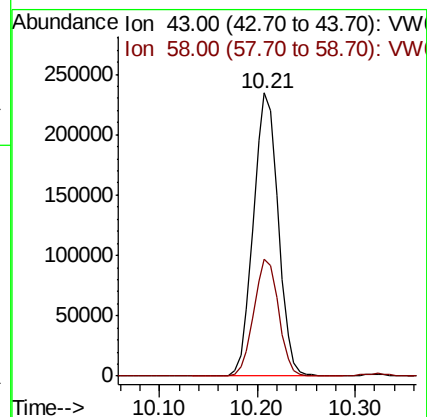
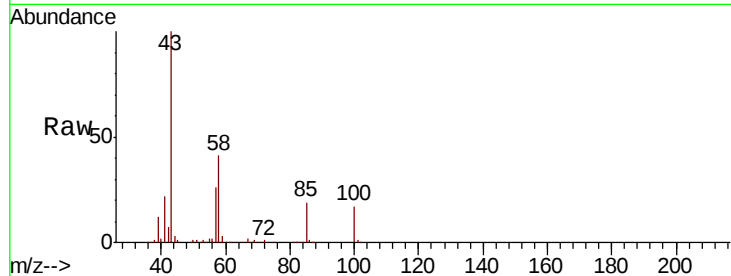
58 41.4 32.6 49.0

Manual Integrations

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10/24/2019 1:25:37 PM



#52

Toluene

Concen: 50.262 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013686.D

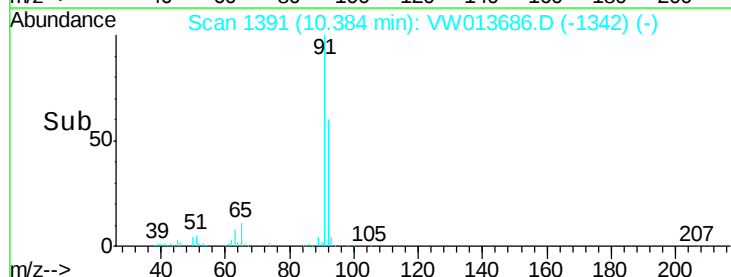
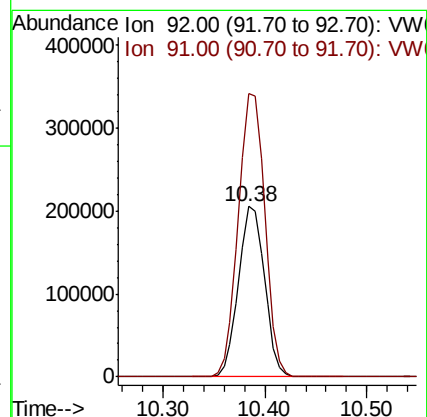
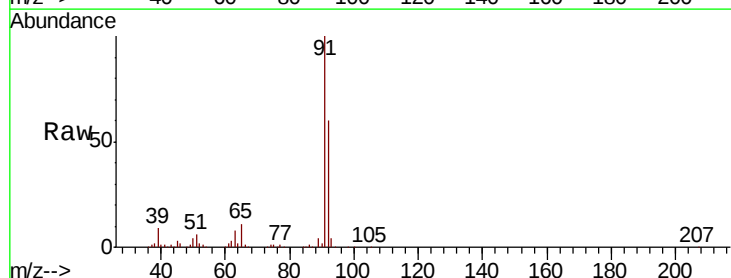
Acq: 24 Oct 2019 00:28

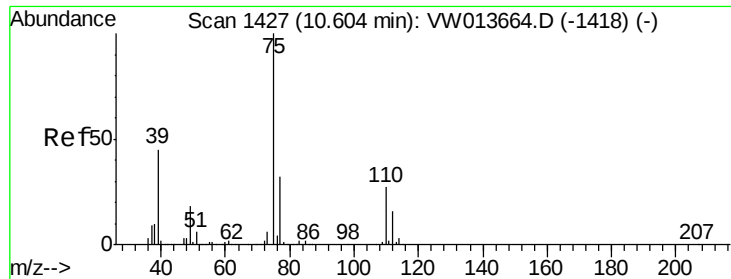
Tgt Ion: 92 Resp: 363574

Ion Ratio Lower Upper

92 100

91 169.2 134.5 201.7





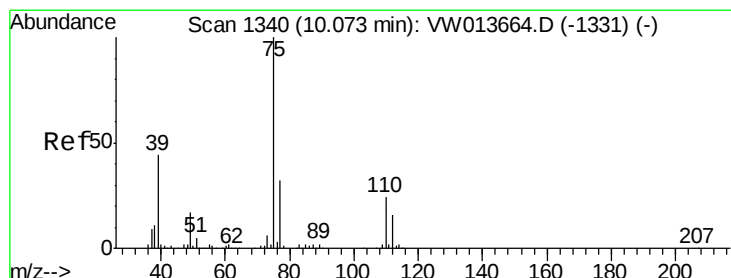
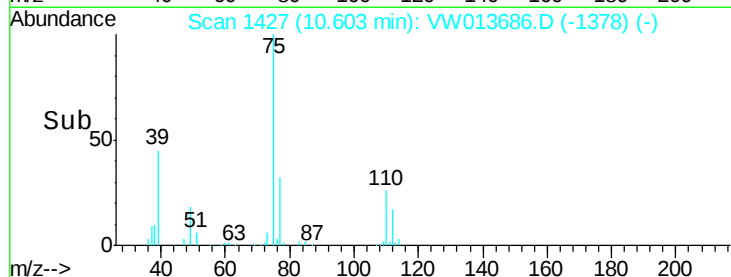
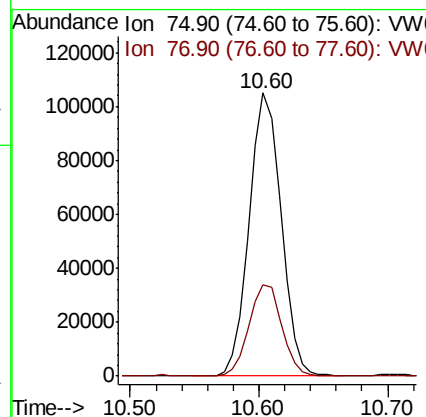
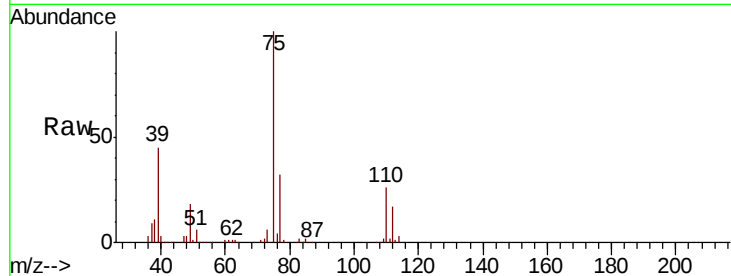
#53
t-1,3-Dichloropropene
Concen: 52.937 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3

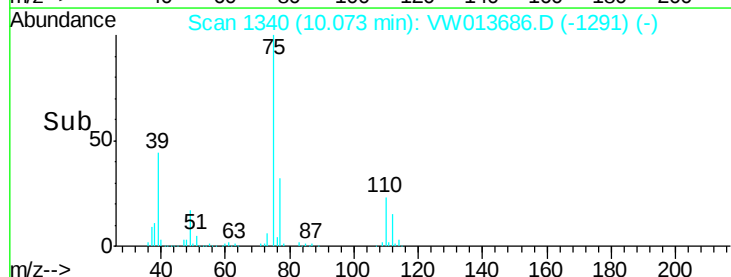
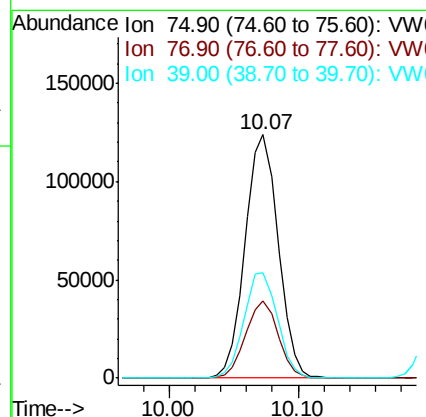
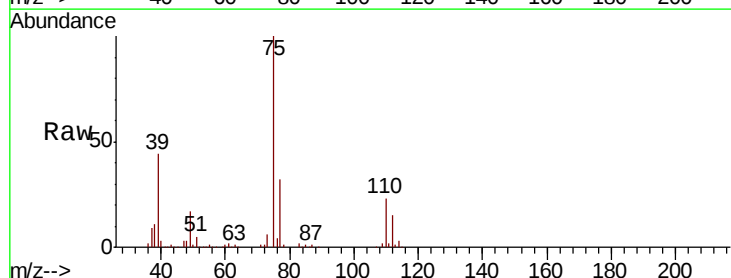
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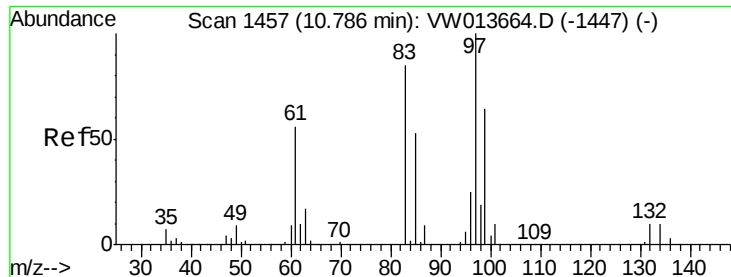
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#54
cis-1,3-Dichloropropene
Concen: 52.249 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.6
39	43.5	35.3	52.9





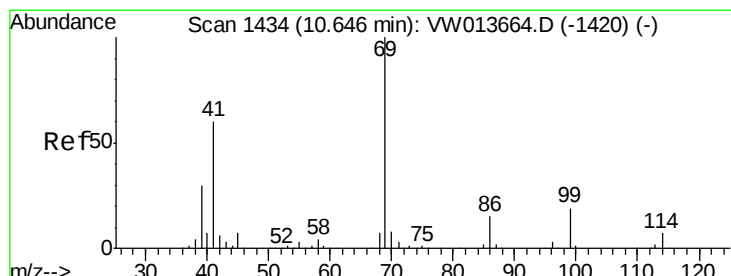
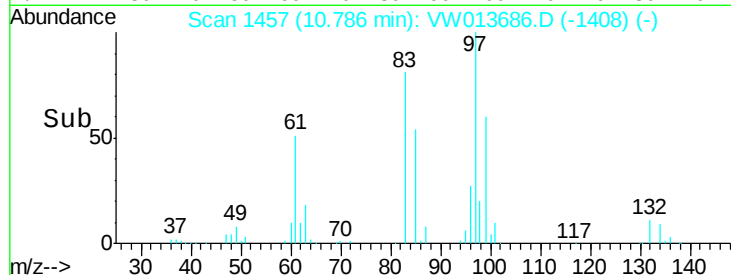
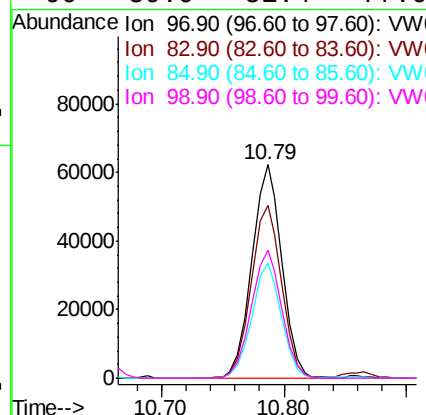
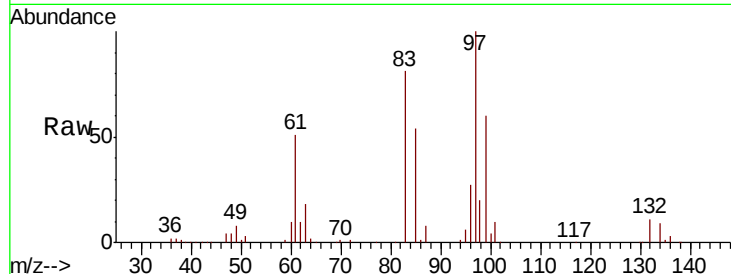
#55
 1,1,2-Trichloroethane
 Concen: 54.712 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	106006
Ion	Ratio	Lower	Upper
97	100		
83	81.1	67.8	101.8
85	53.8	42.1	63.1
99	59.9	51.4	77.0

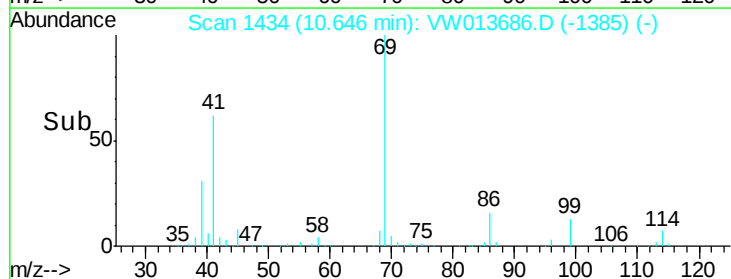
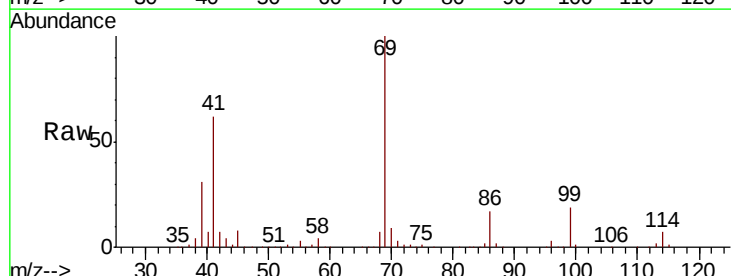
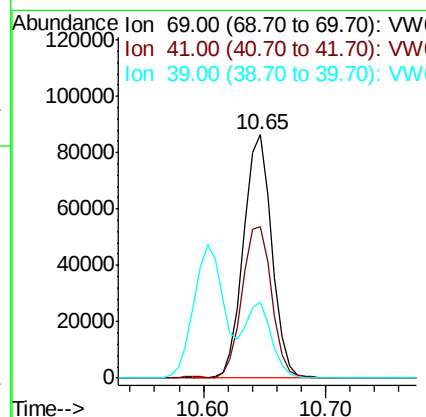
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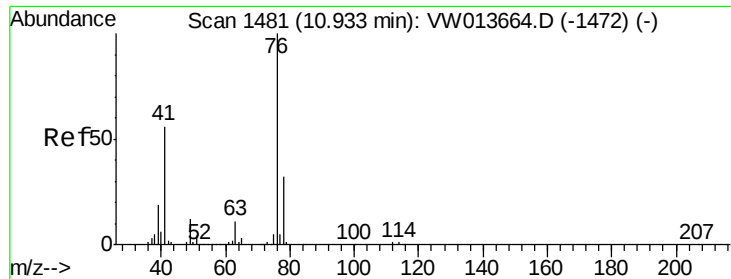
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#56
 Ethyl methacrylate
 Concen: 57.186 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Tgt Ion	69	Resp	138625
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.6	77.4
39	27.9	22.4	33.6





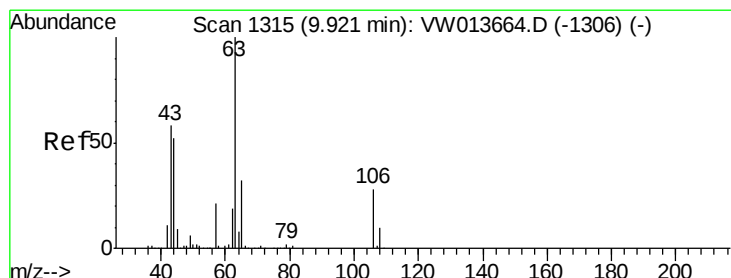
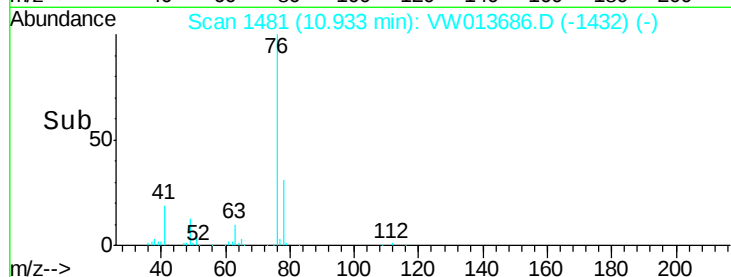
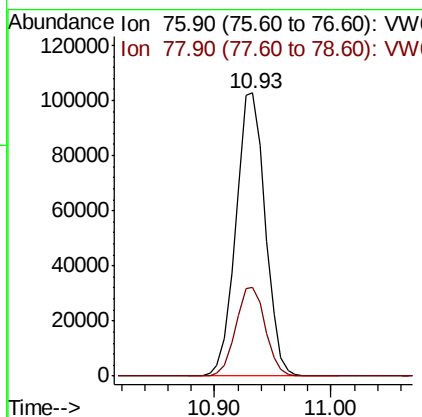
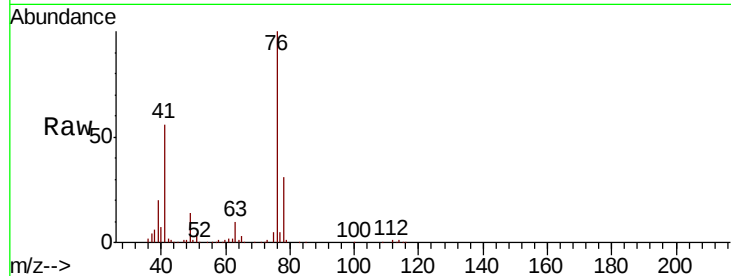
#57
 1,3-Dichloropropane
 Concen: 54.311 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 180579
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.0 39.0

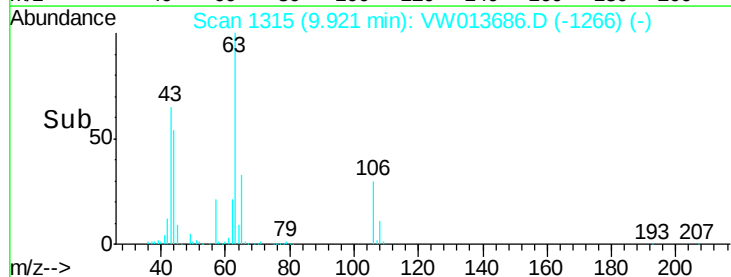
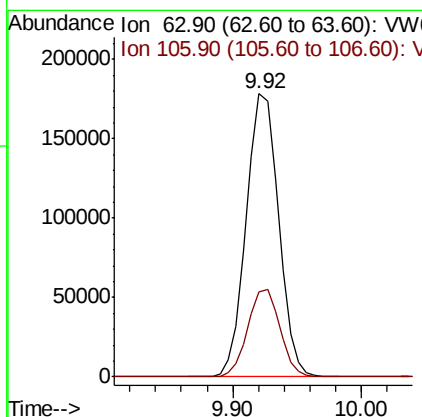
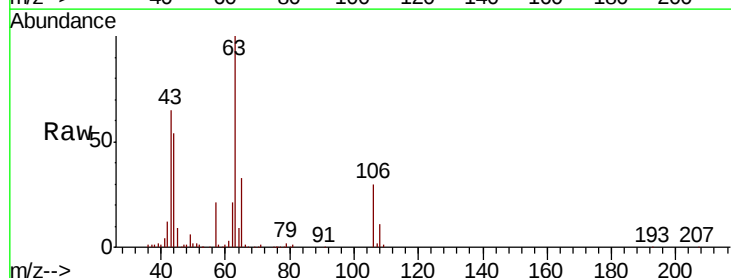
Manual Integrations
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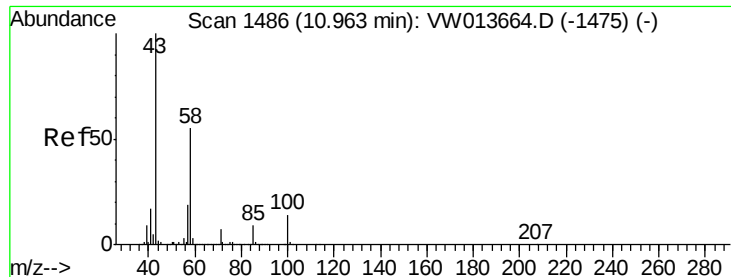
MMDadoda
 10/24/2019 1:25:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.903 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Tgt Ion: 63 Resp: 310043
 Ion Ratio Lower Upper
 63 100
 106 30.7 23.8 35.8





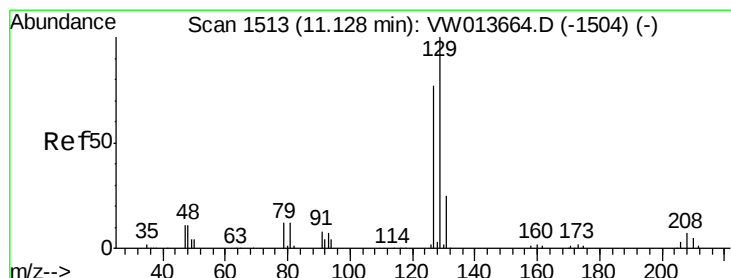
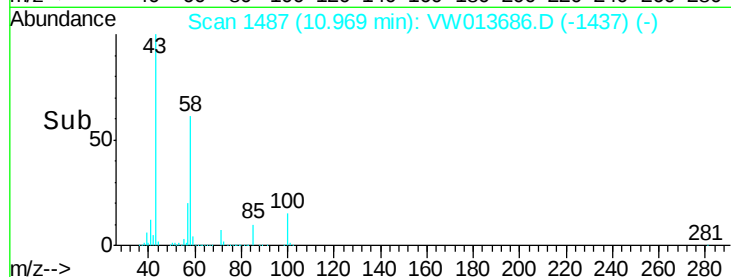
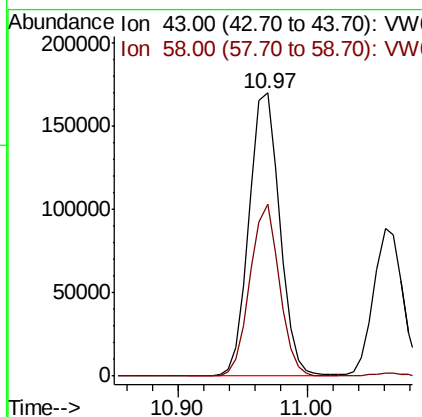
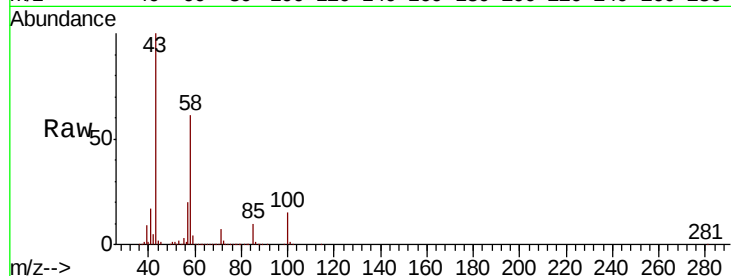
#59
2-Hexanone
Concen: 281.331 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 279827
Ion Ratio Lower Upper
43 100
58 57.9 27.9 83.7

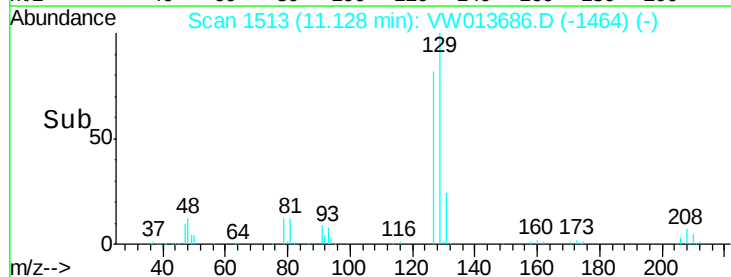
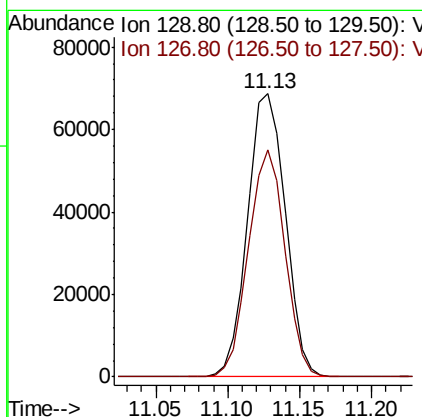
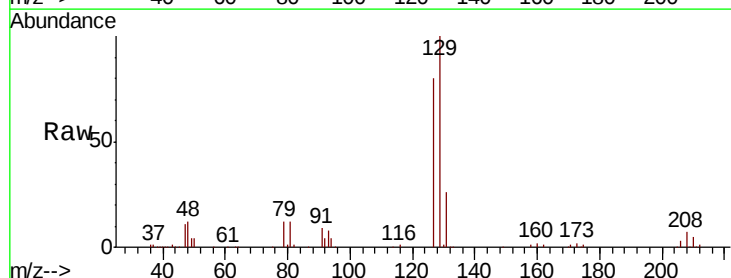
Manual Integrations
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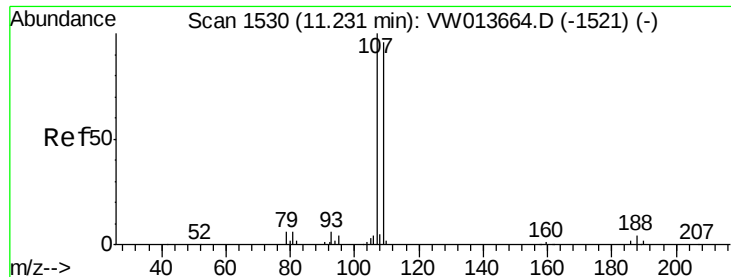
MMDadoda
10/24/2019 1:25:37 PM



#60
Dibromochloromethane
Concen: 54.170 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion: 129 Resp: 124615
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





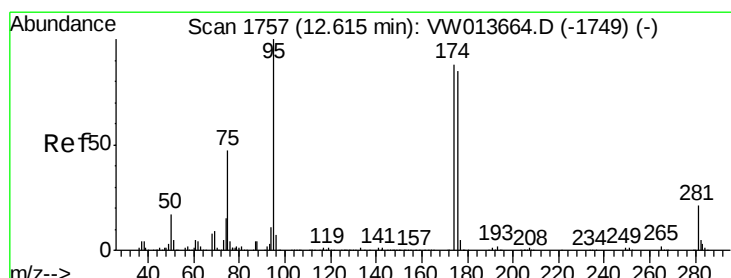
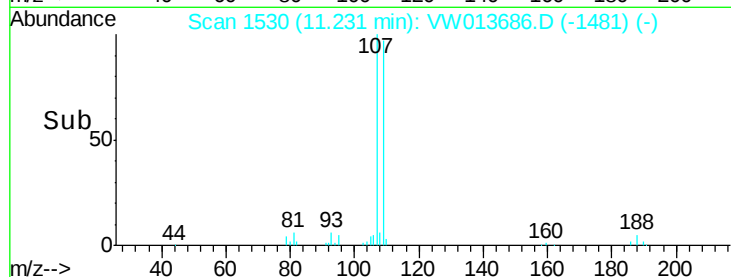
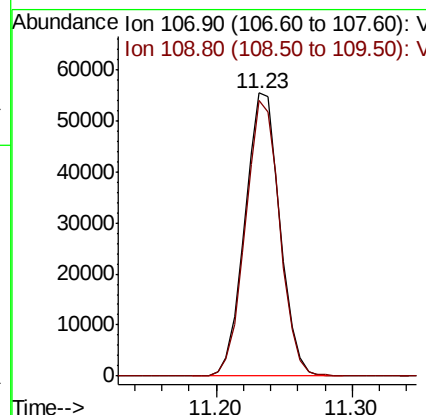
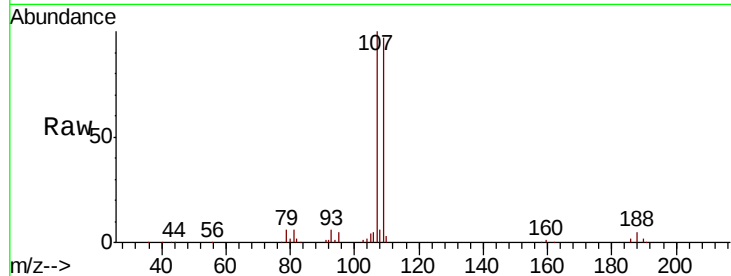
#61
 1,2-Dibromoethane
 Concen: 54.264 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 99467
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.7 113.5

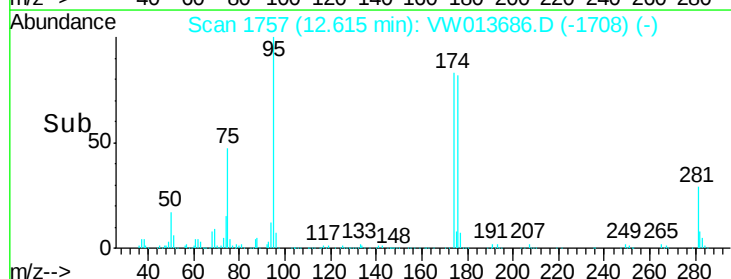
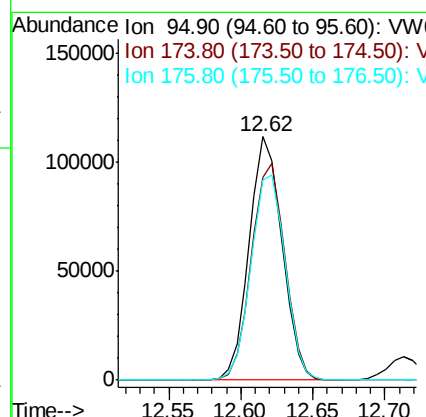
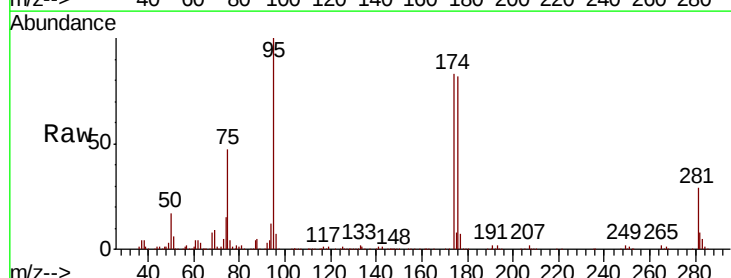
Manual Integrations
 APPROVED

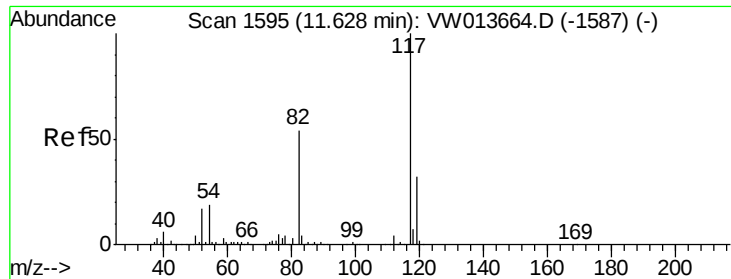
MMDadoda
 10/24/2019 1:25:37 PM



#62
 4-Bromofluorobenzene
 Concen: 54.156 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Tgt Ion: 95 Resp: 176655
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 183.6
 176 87.7 0.0 178.0





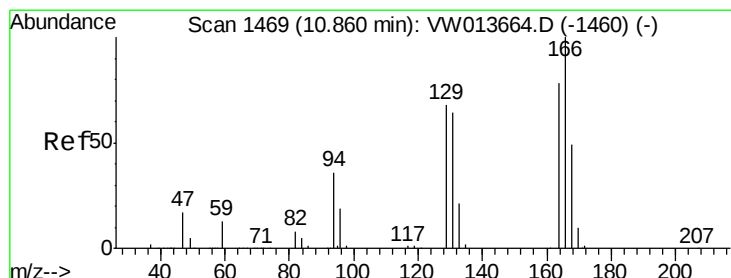
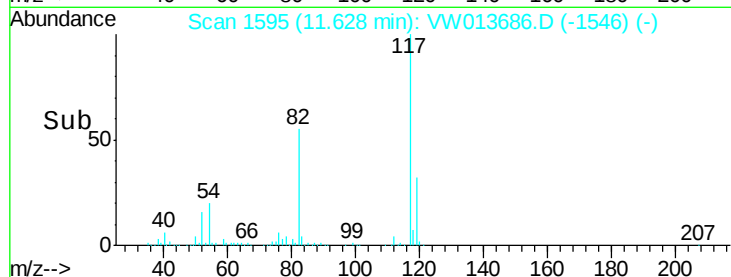
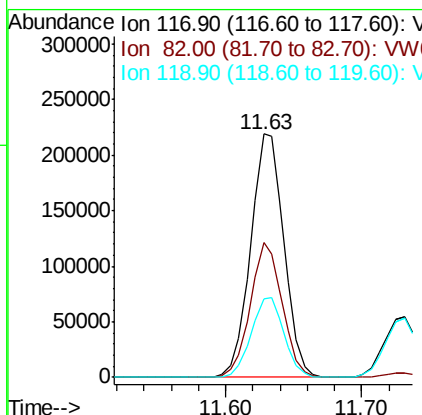
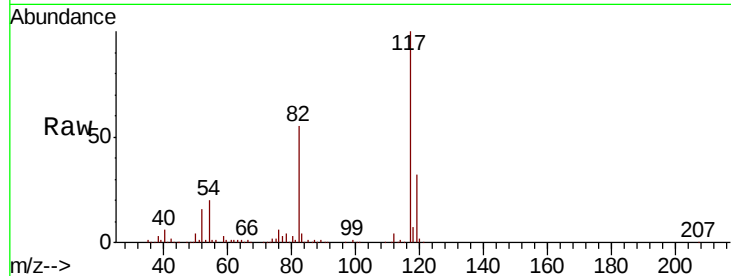
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	375022		
82	55.4		43.6	65.4
119	32.2		25.4	38.2

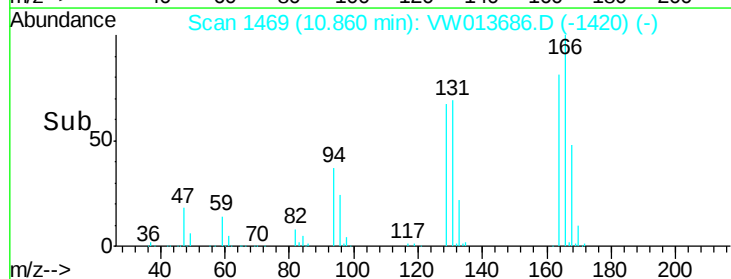
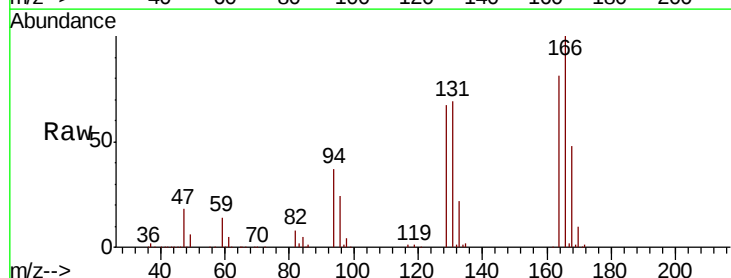
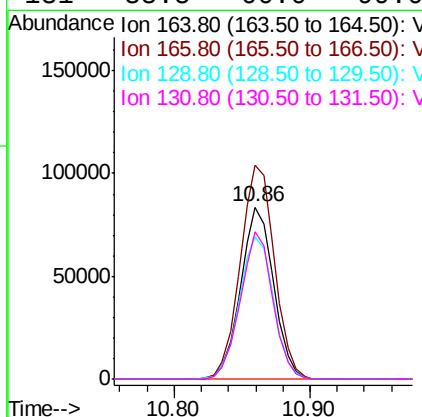
Manual Integrations
APPROVED

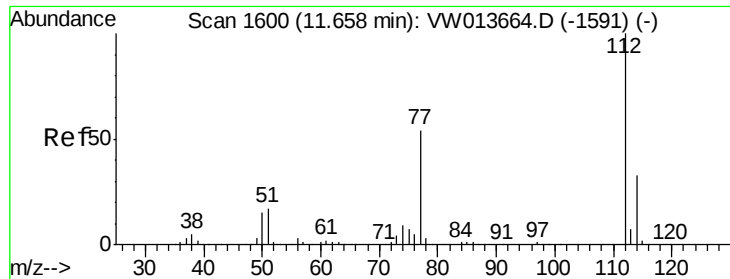
MMDadoda
10/24/2019 1:25:37 PM



#64
Tetrachloroethene
Concen: 49.397 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	141537		
166	124.2		103.2	154.8
129	83.0		70.6	105.8
131	85.5		66.0	99.0





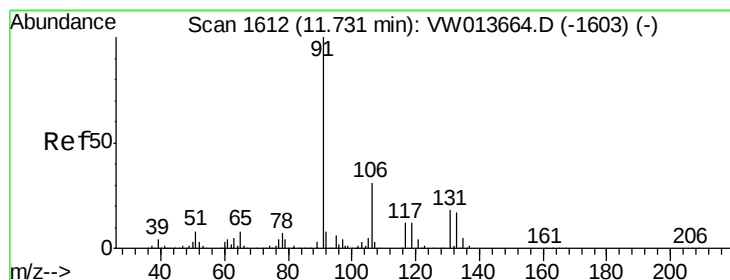
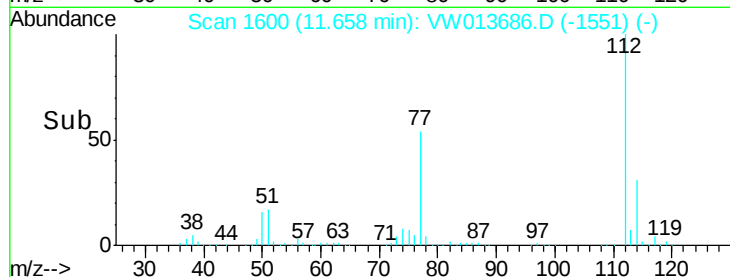
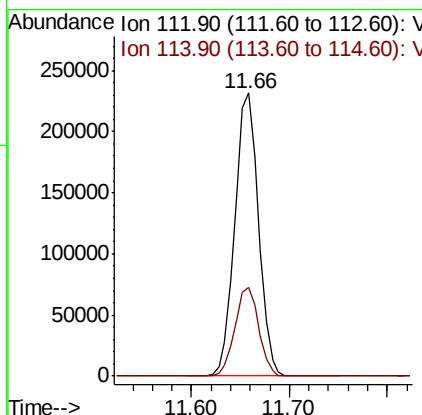
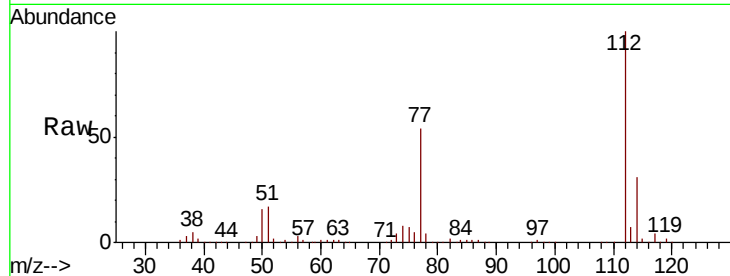
#65
Chlorobenzene
Concen: 50.466 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 388908
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.4

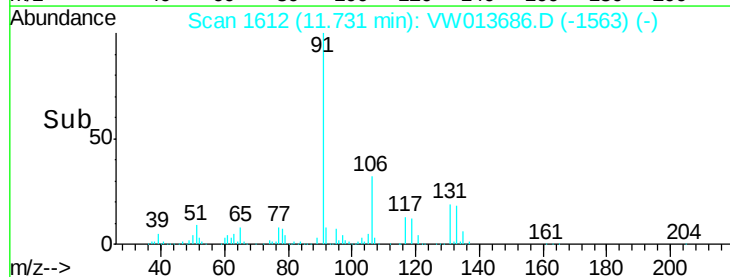
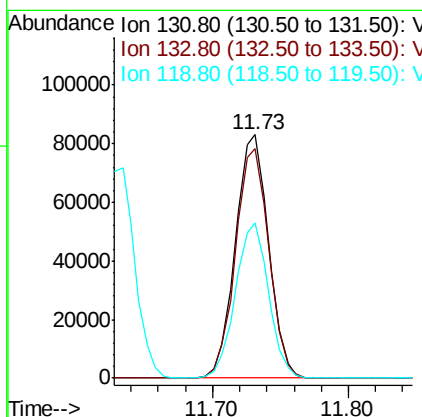
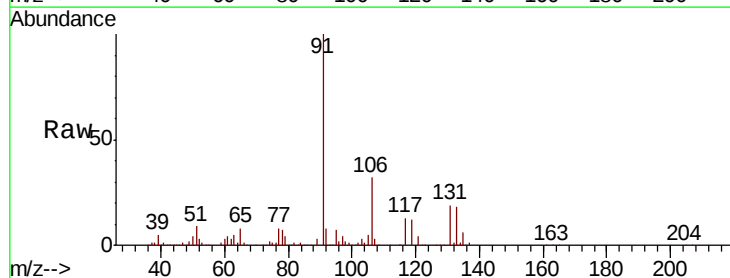
Manual Integrations
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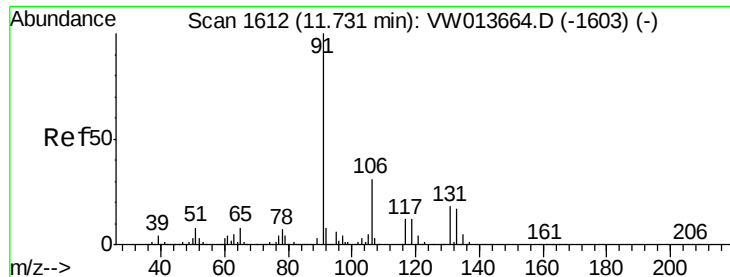
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.529 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion:131 Resp: 141279
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 63.7 33.1 99.2





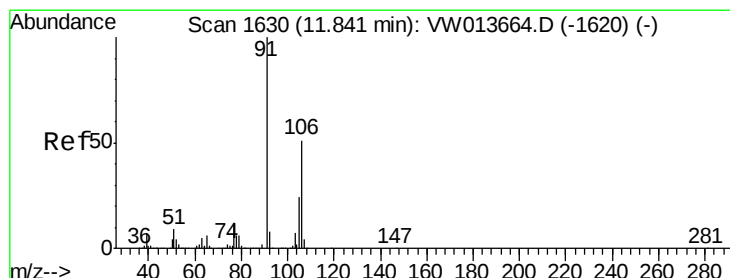
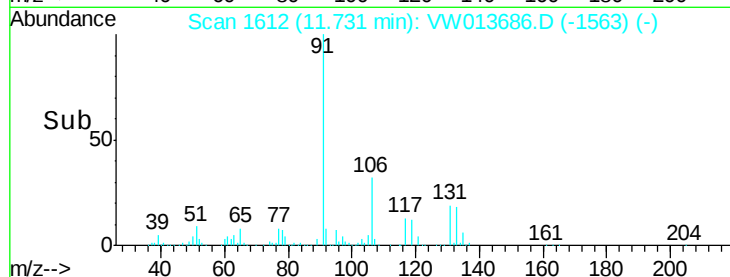
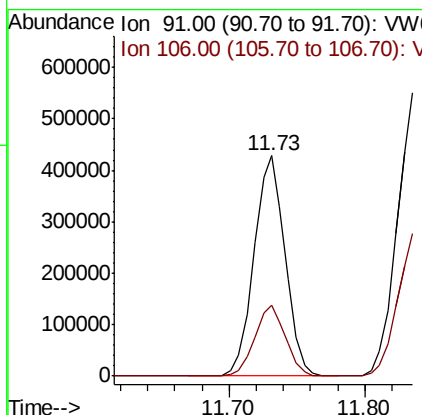
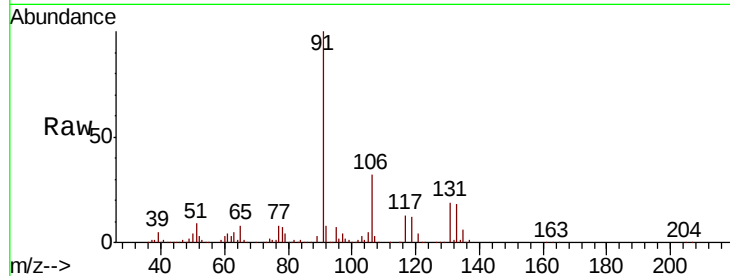
#67
Ethyl Benzene
Concen: 49.212 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 683849
Ion Ratio Lower Upper
91 100
106 32.3 25.0 37.6

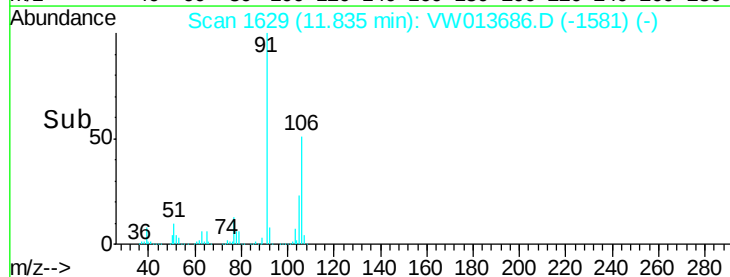
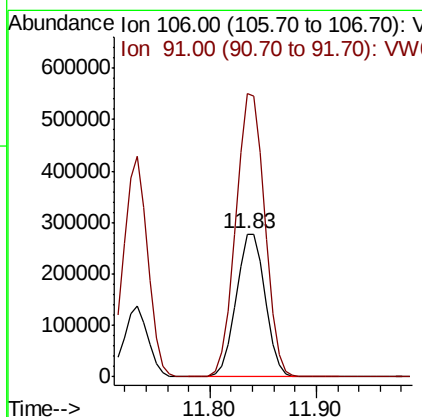
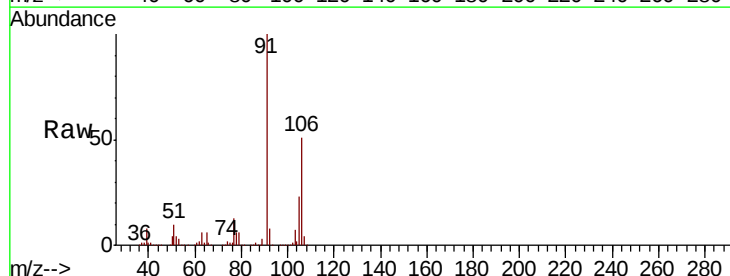
Manual Integrations
APPROVED

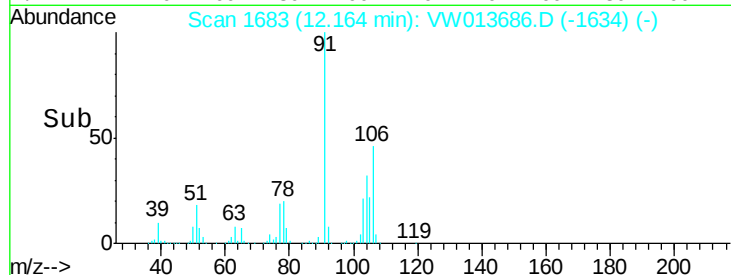
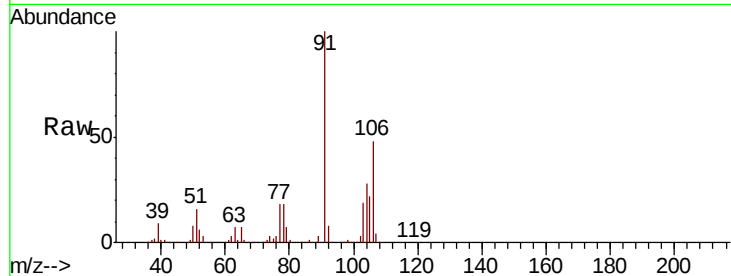
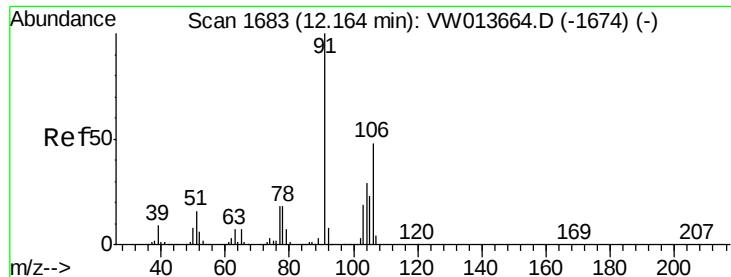
MMDadoda
10/24/2019 1:25:37 PM



#68
m/p-Xylenes
Concen: 99.218 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion: 106 Resp: 532680
Ion Ratio Lower Upper
106 100
91 198.2 159.2 238.8





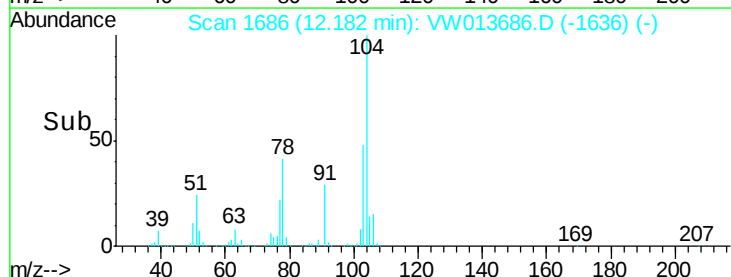
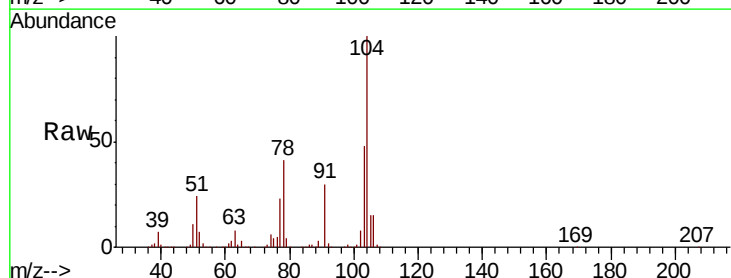
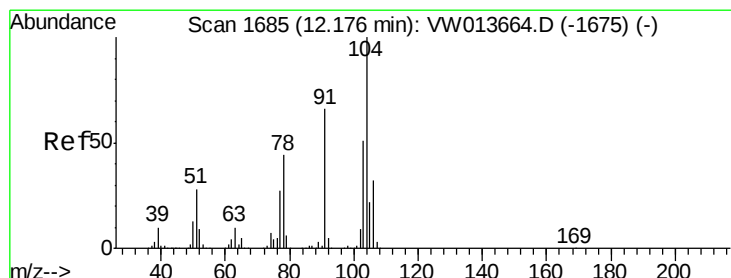
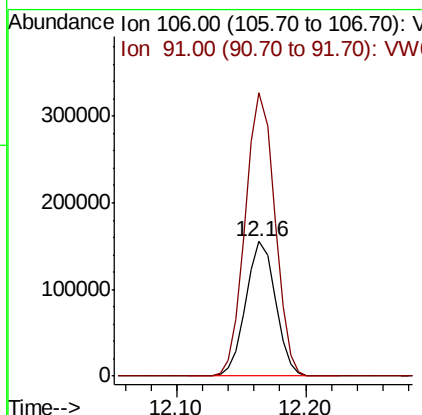
#69
o-Xylene
Concen: 50.207 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.8	104.9	314.7

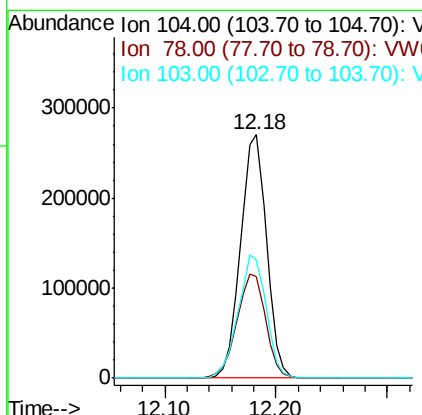
Manual Integrations
APPROVED

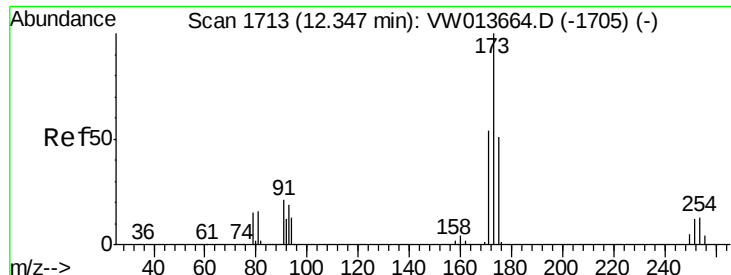
MMDadoda
10/24/2019 1:25:37 PM



#70
Styrene
Concen: 51.920 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.1	55.7
103	54.2	43.6	65.4





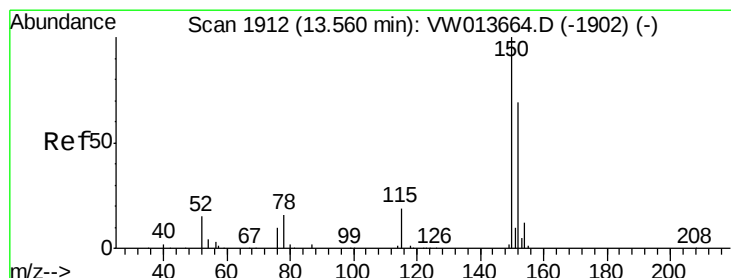
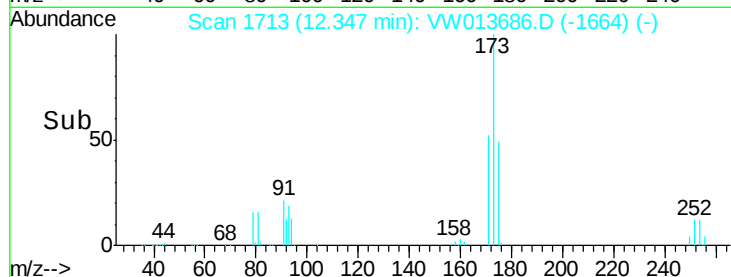
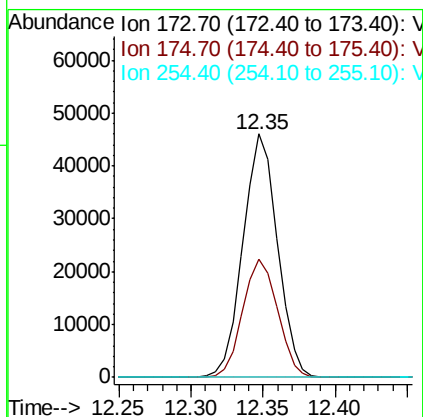
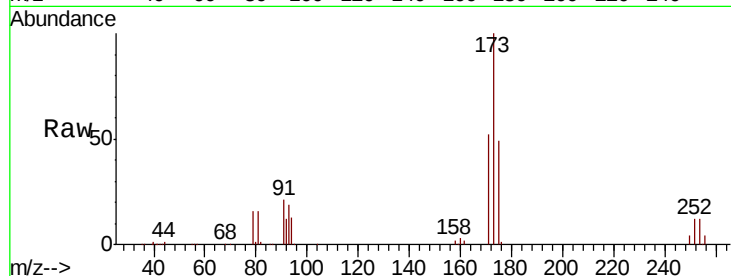
#71
Bromoform
Concen: 54.110 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	25.2	75.6
254	0.2	0.1	0.1#

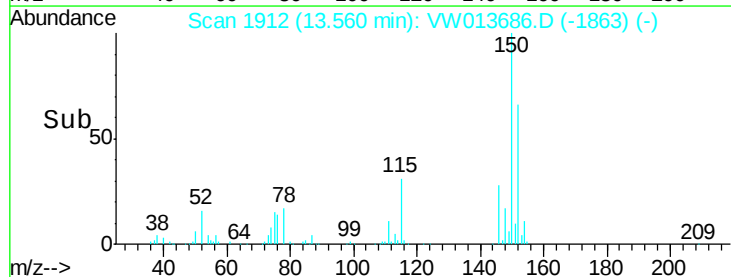
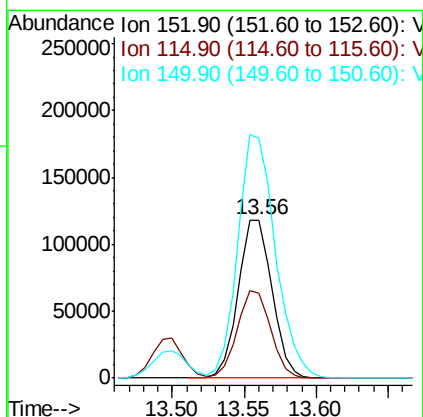
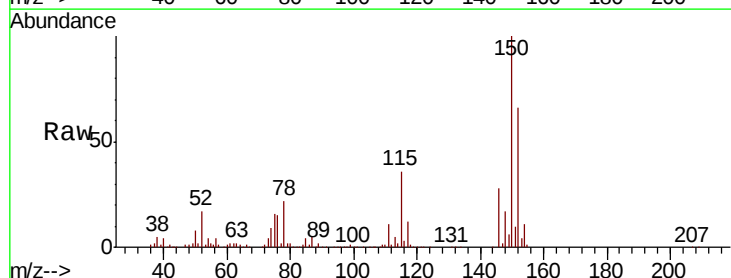
Manual Integrations
APPROVED

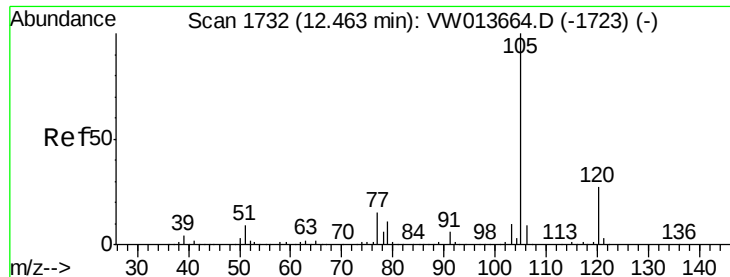
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.4	82.2
150	171.1	0.0	345.4





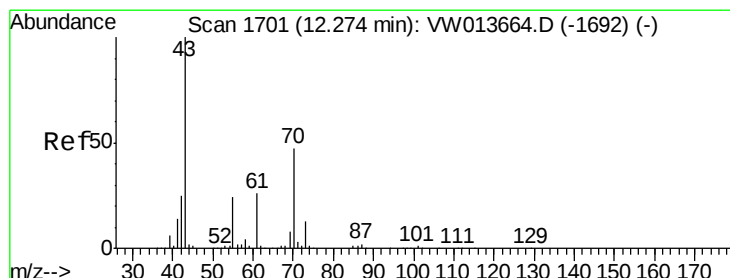
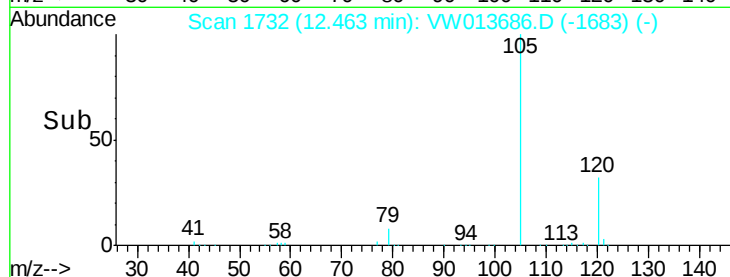
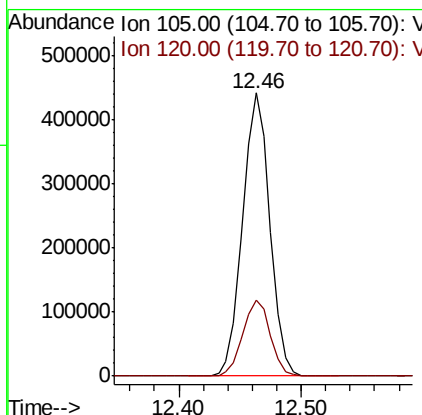
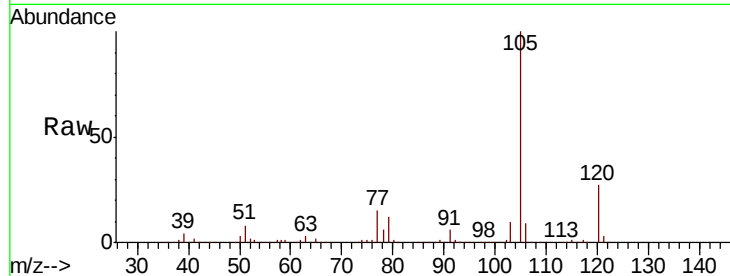
#73
Isopropylbenzene
Concen: 49.072 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

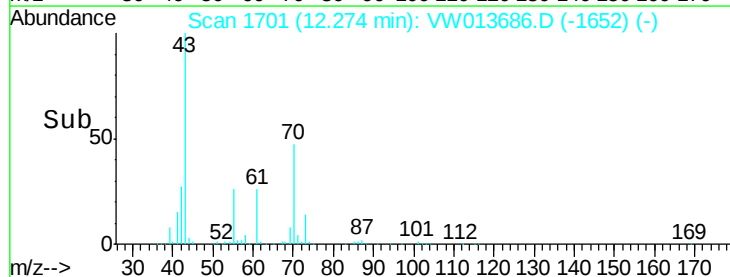
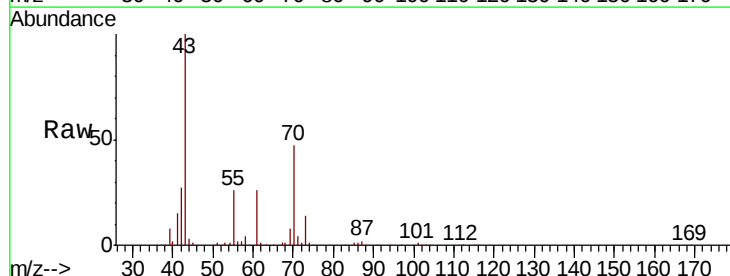
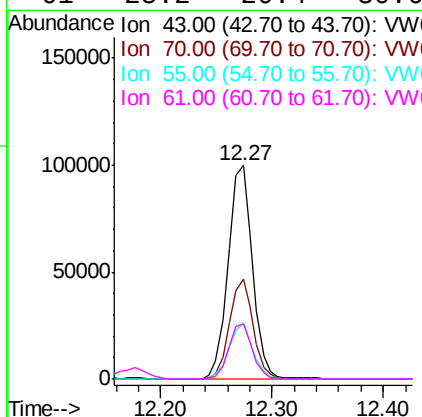
Manual Integrations
APPROVED

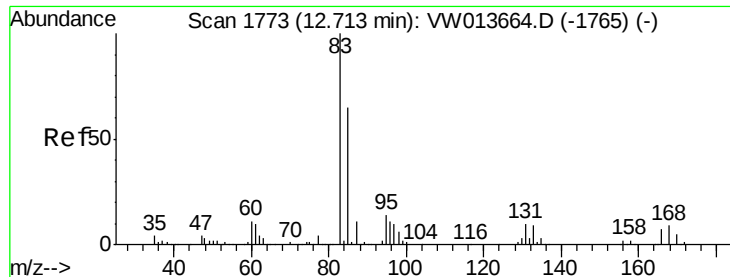
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#74
N-ethyl acetate
Concen: 56.187 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.4	36.6	55.0
55	25.6	20.3	30.5
61	25.2	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.042 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

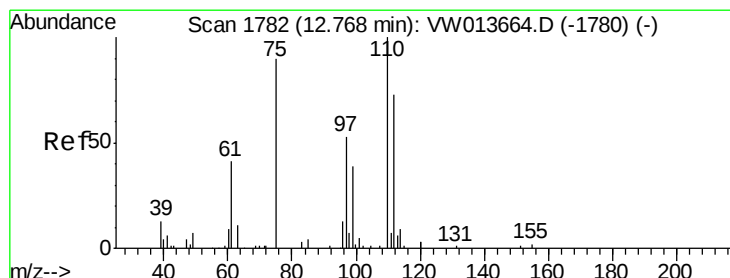
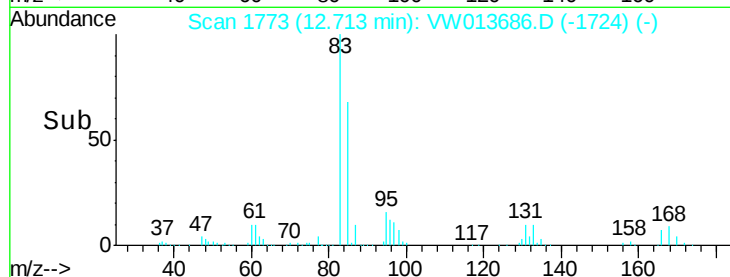
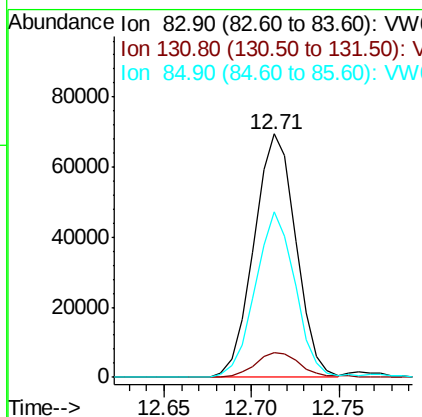
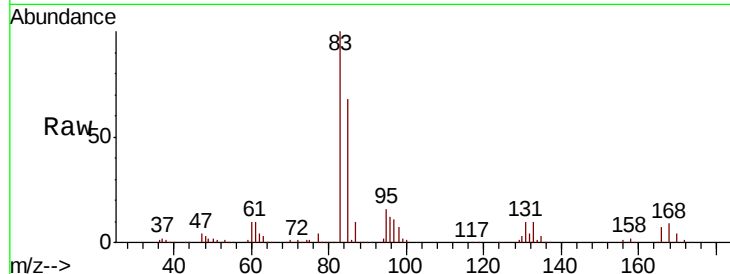
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	115886
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.1
85	64.8	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 63.866 ug/l m

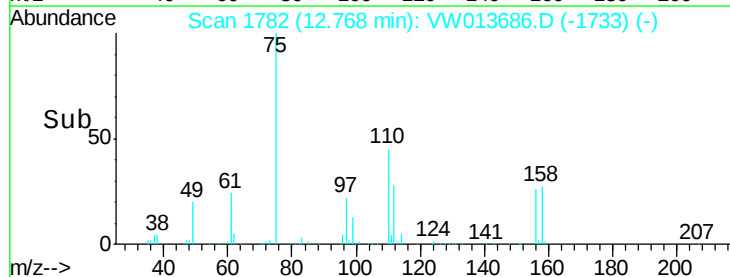
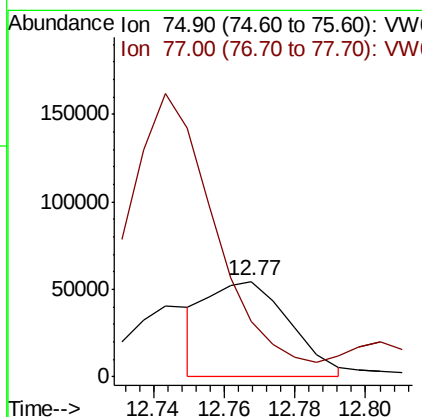
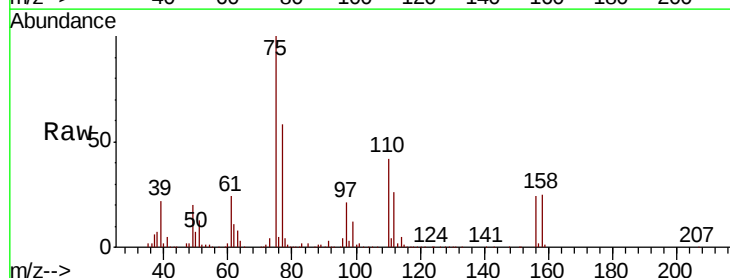
RT: 12.77 min Scan# 1782

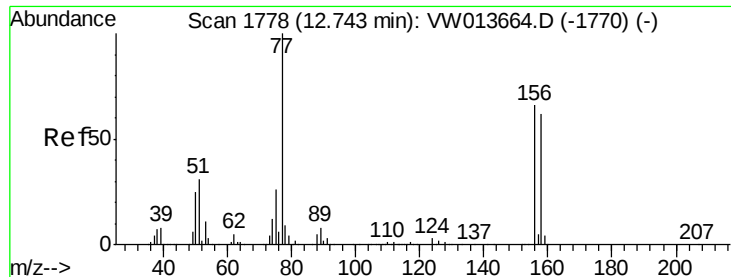
Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Tgt Ion:	75	Resp:	88423
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.870 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

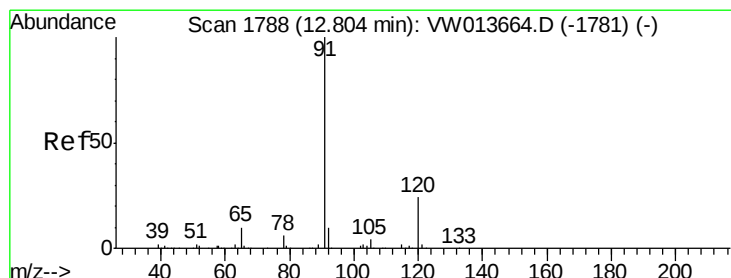
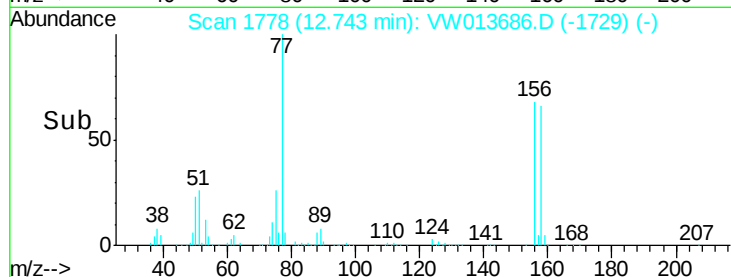
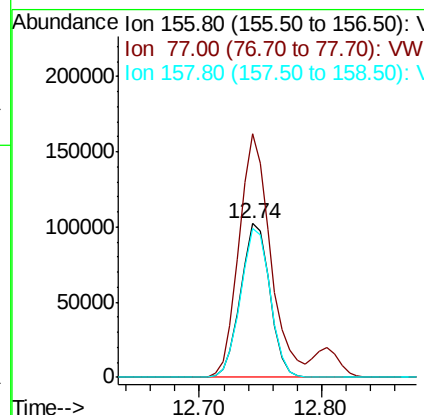
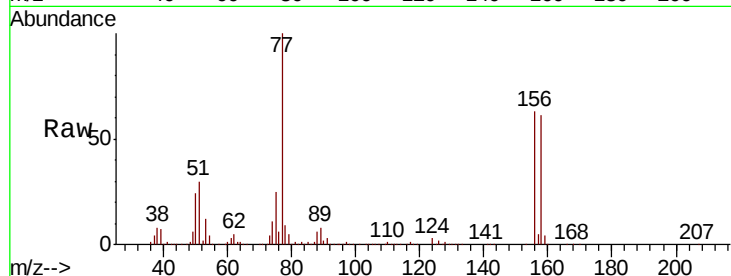
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.0	82.9	248.7
158	98.3	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 49.578 ug/l

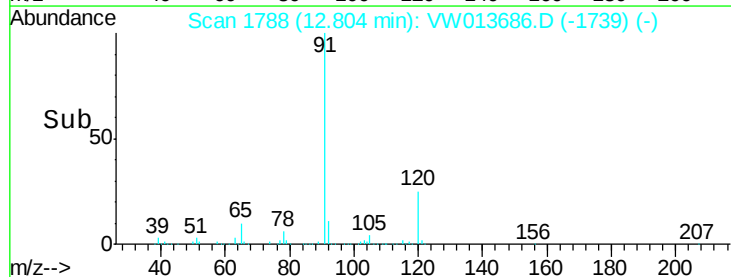
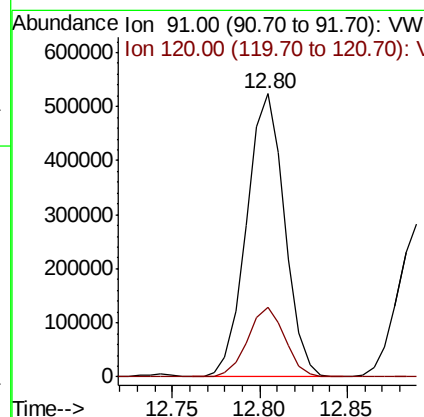
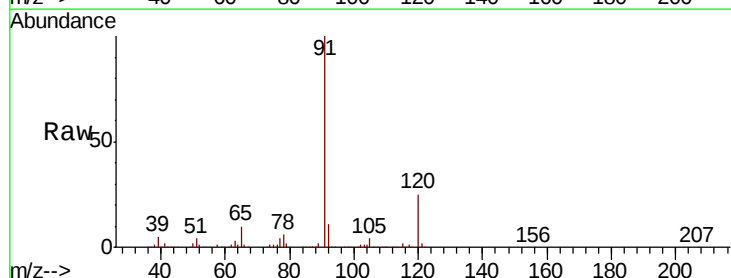
RT: 12.80 min Scan# 1788

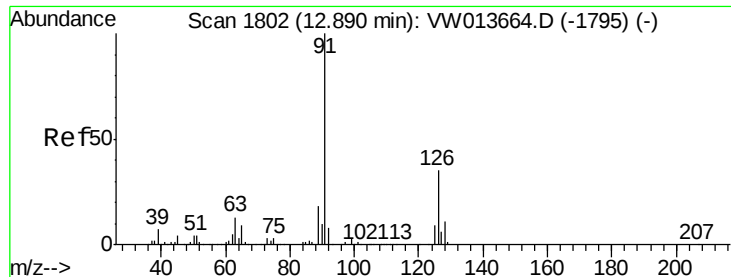
Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 50.450 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013686.D

Acq: 24 Oct 2019 00:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 454317

Ion Ratio Lower Upper

91 100

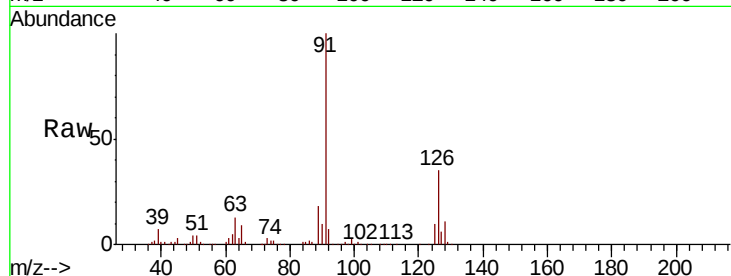
126 35.1 17.4 52.2

Manual Integrations

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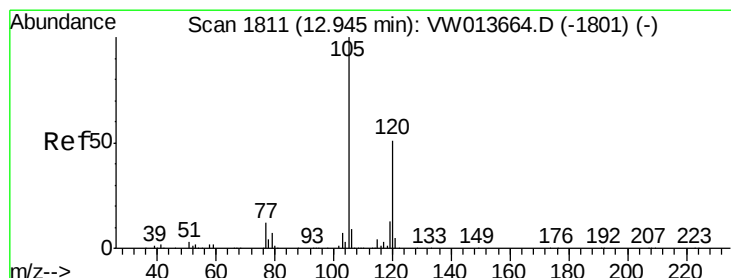
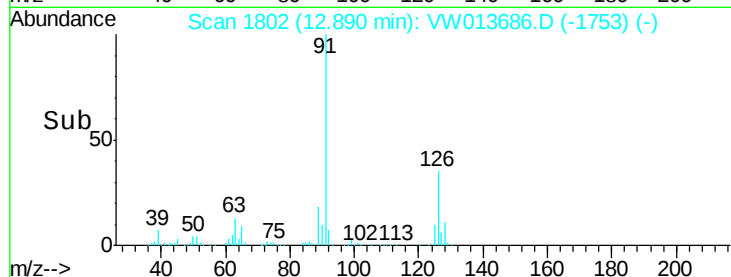
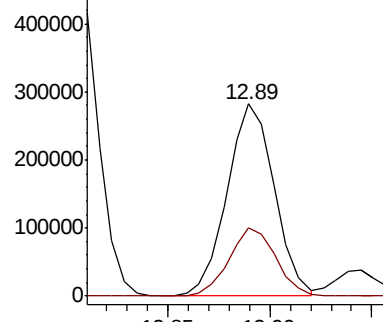
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.535 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013686.D

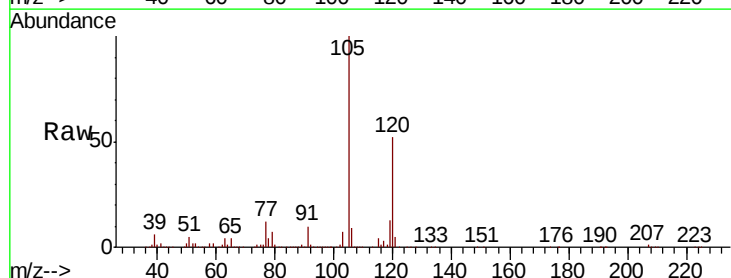
Acq: 24 Oct 2019 00:28

Tgt Ion: 105 Resp: 578937

Ion Ratio Lower Upper

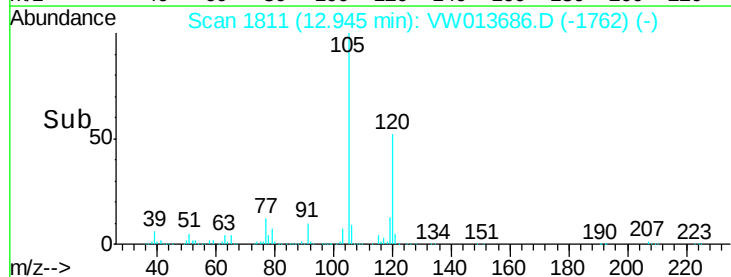
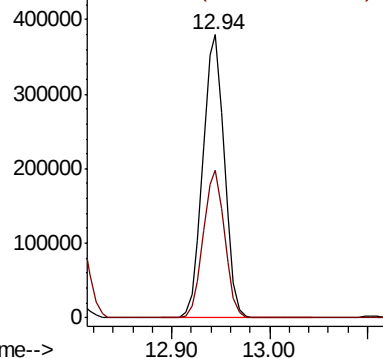
105 100

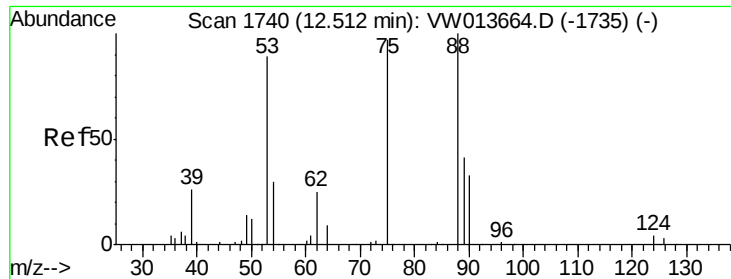
120 51.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





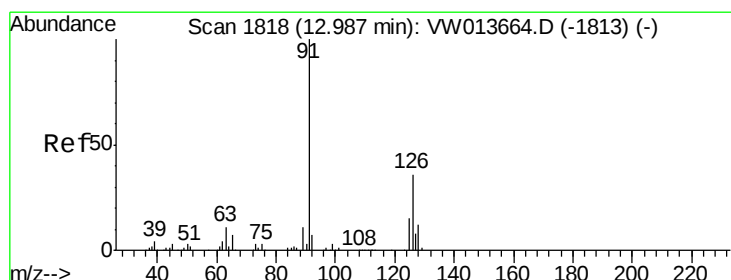
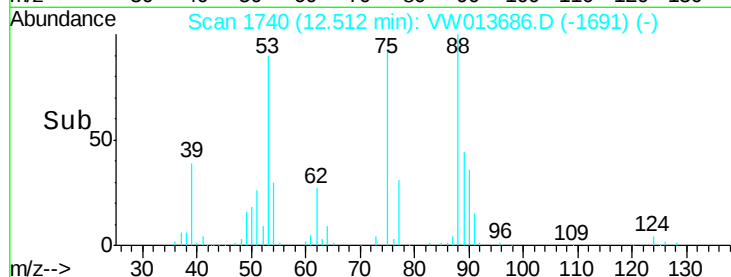
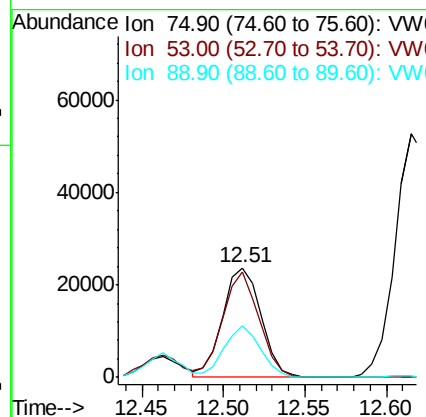
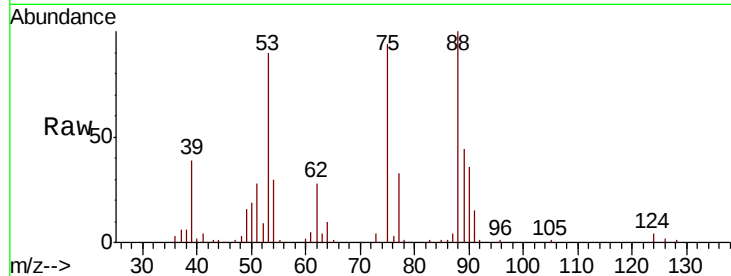
#81
trans-1,4-Dichloro-2-butene
Concen: 52.984 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.6	71.7	107.5
89	43.7	35.8	53.8

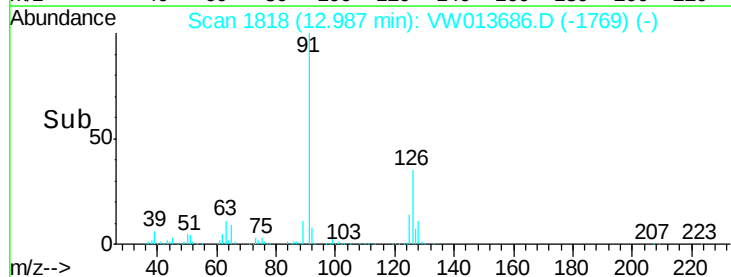
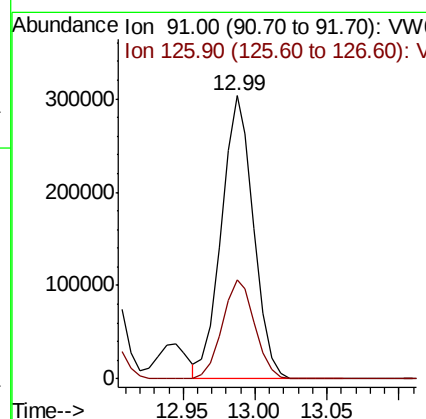
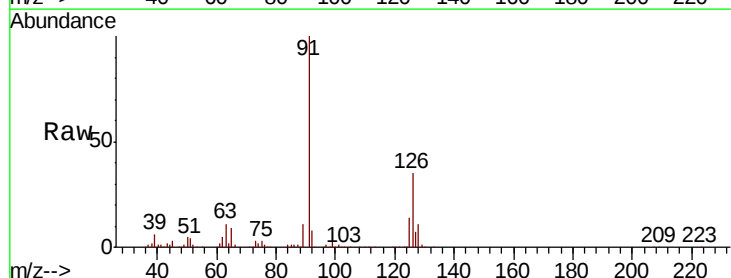
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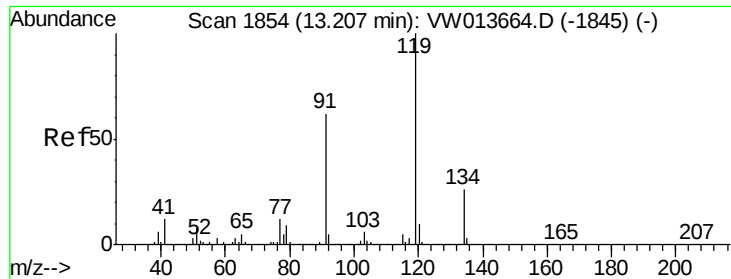
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10/24/2019 1:25:37 PM



#82
4-Chlorotoluene
Concen: 49.886 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.2	51.5





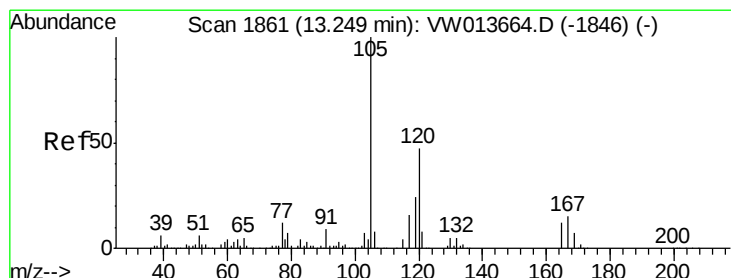
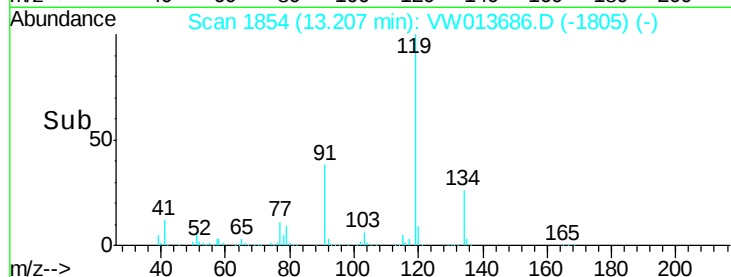
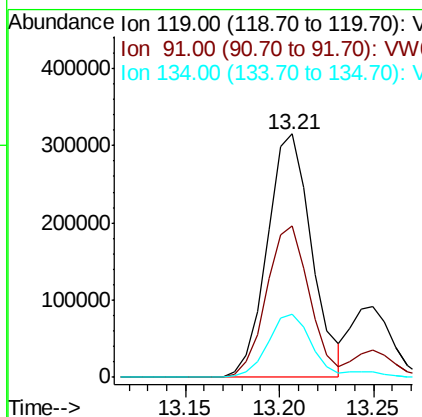
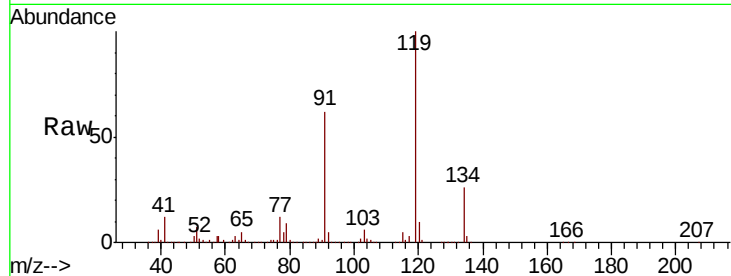
#83
tert-Butylbenzene
Concen: 49.707 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.4	91.3
134	25.7	13.6	40.8

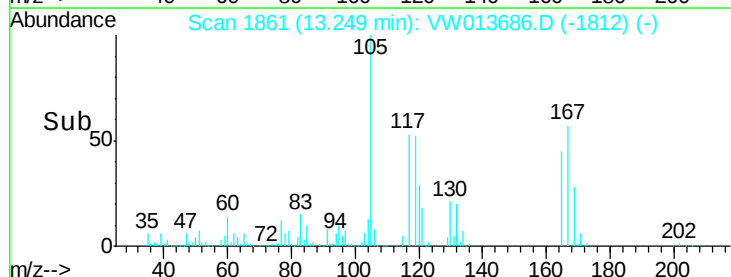
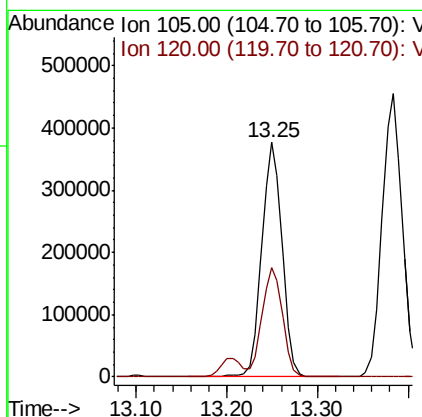
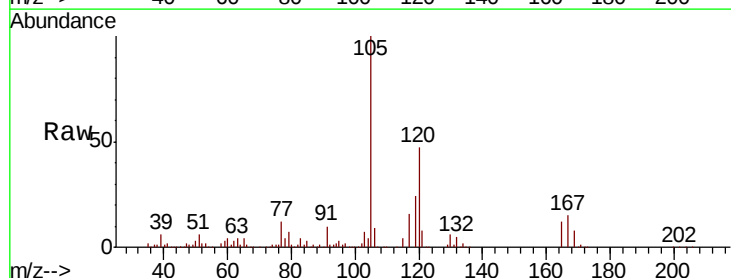
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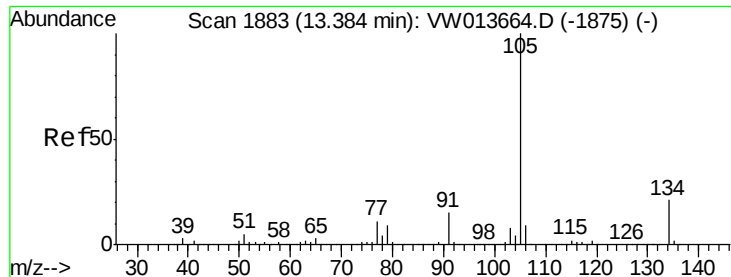
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.512 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.5	70.5





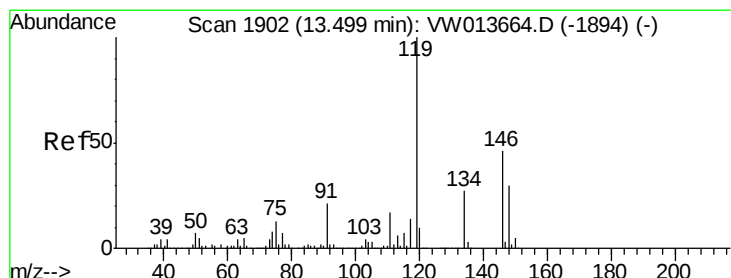
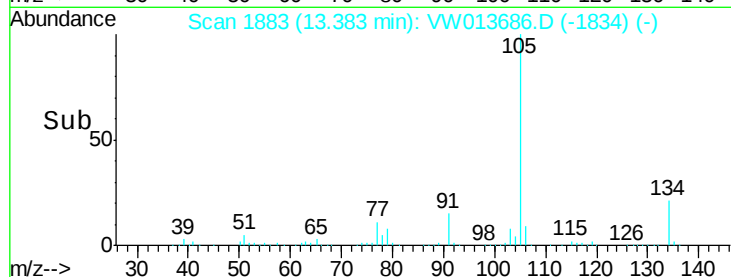
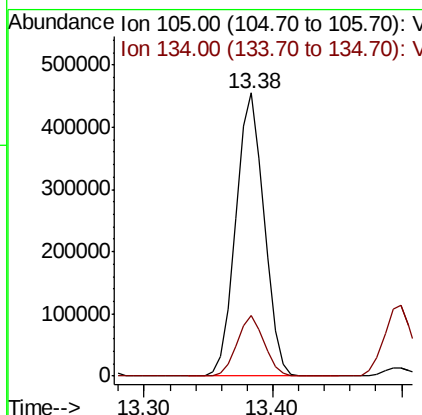
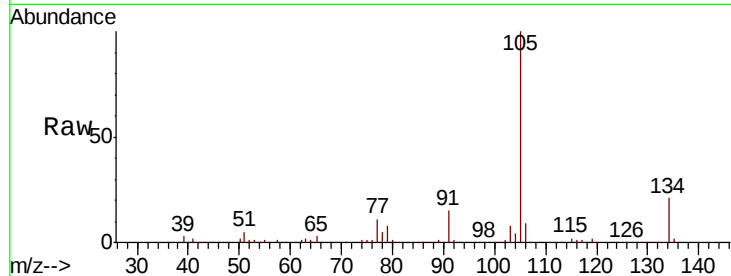
#85
 sec-Butylbenzene
 Concen: 48.814 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.5	31.5

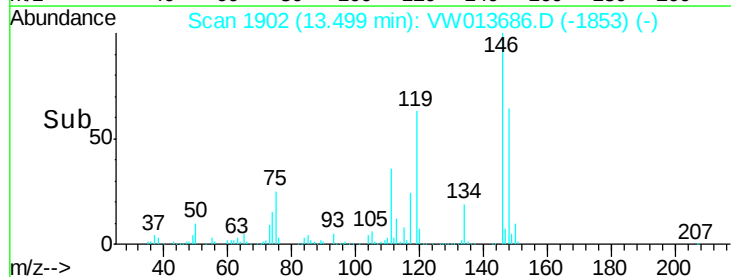
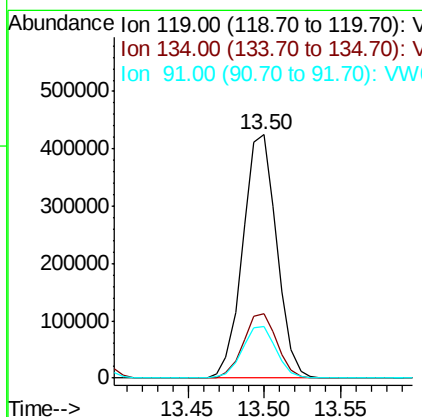
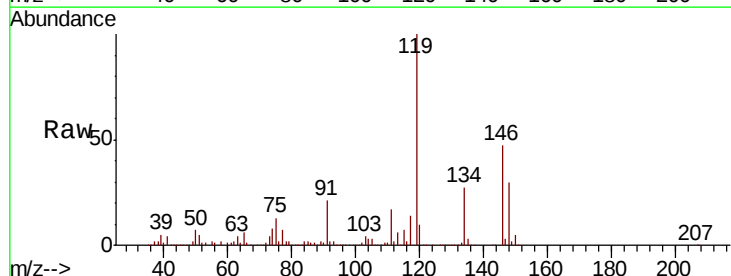
Manual Integrations
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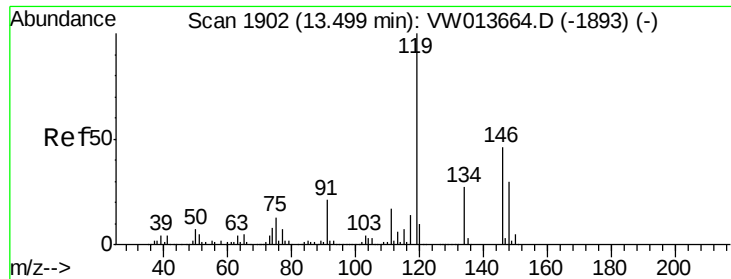
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#86
 p-Isopropyltoluene
 Concen: 49.177 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.1
91	21.0	10.8	32.3





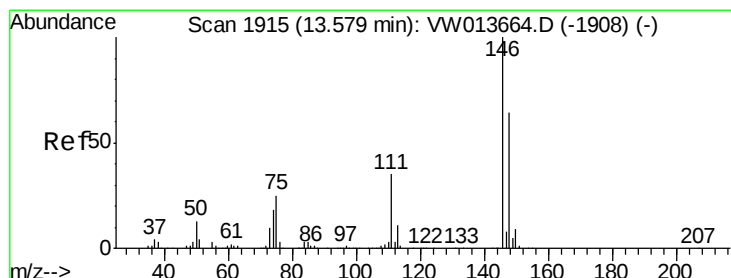
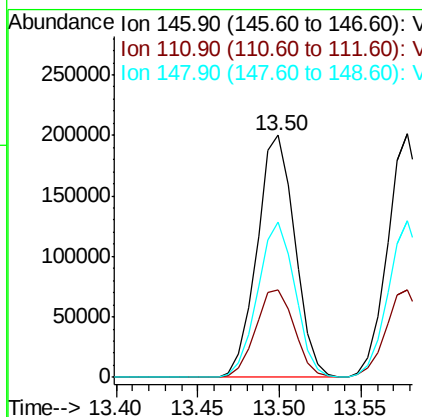
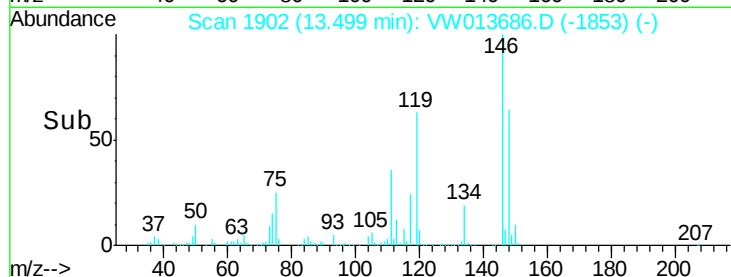
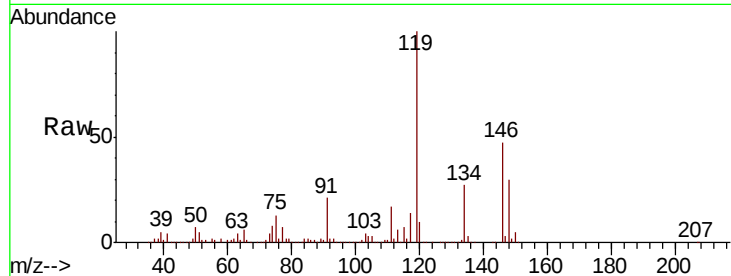
#87
 1,3-Dichlorobenzene
 Concen: 50.431 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	56.0
148	63.4	31.7	95.1

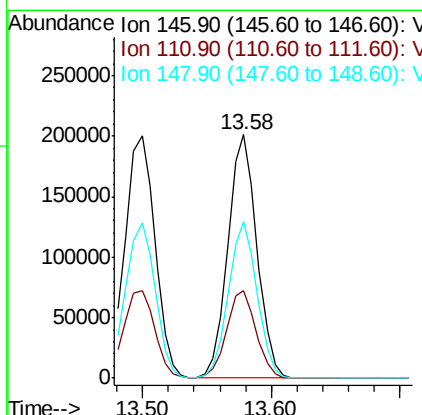
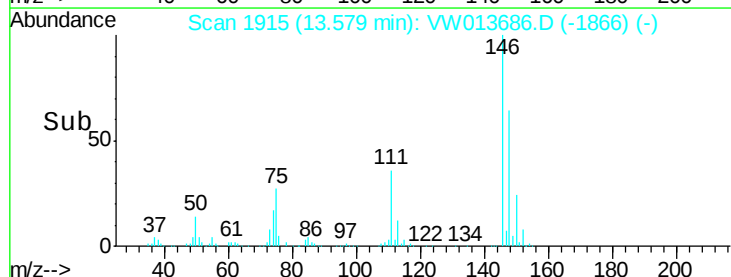
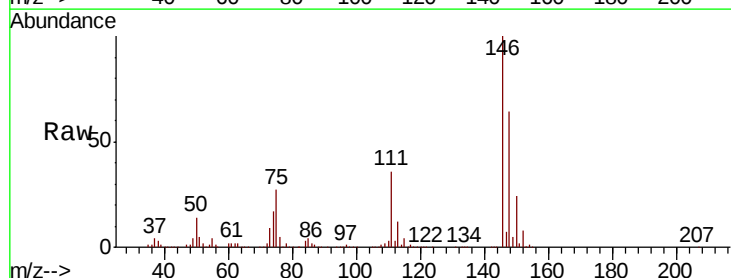
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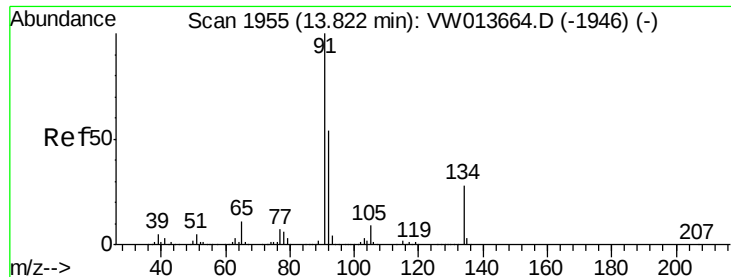
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#88
 1,4-Dichlorobenzene
 Concen: 49.665 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.3
148	63.7	32.0	96.2





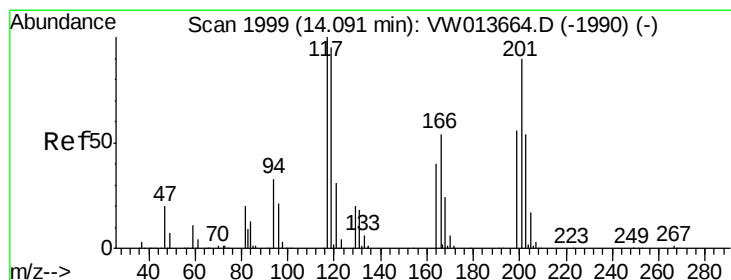
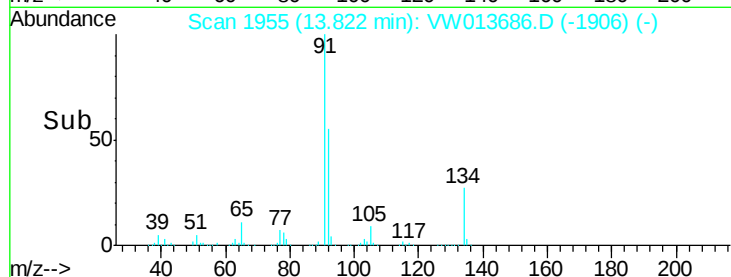
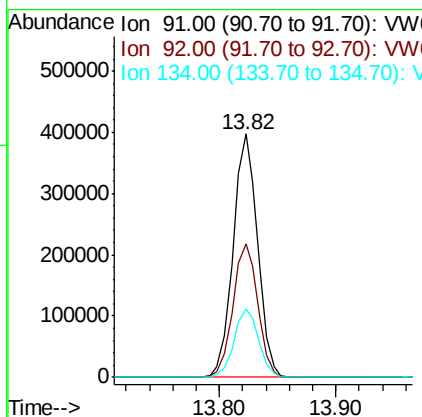
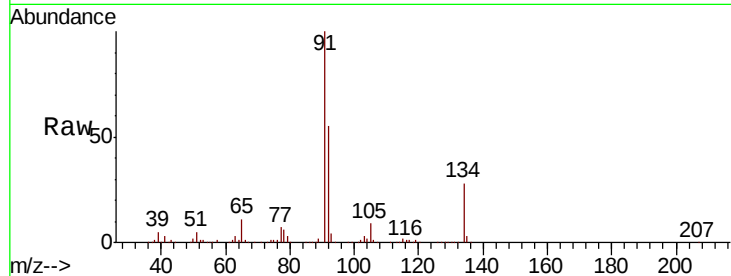
#89
n-Butylbenzene
Concen: 48.596 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	27.5	82.4
134	28.2	14.0	41.9

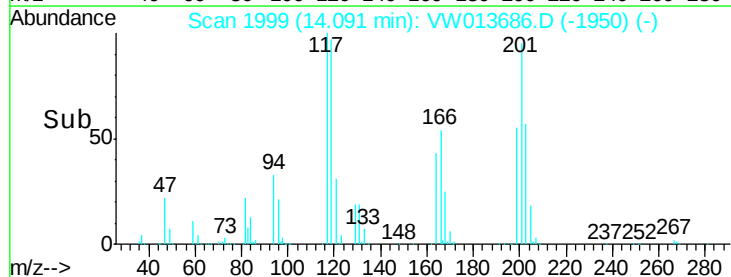
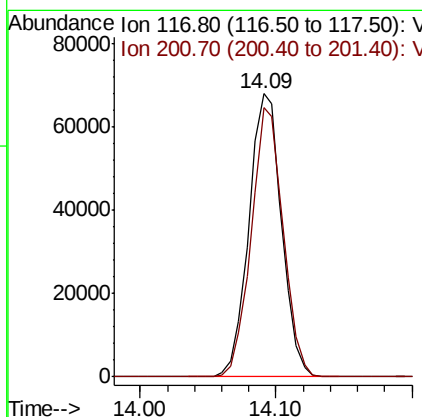
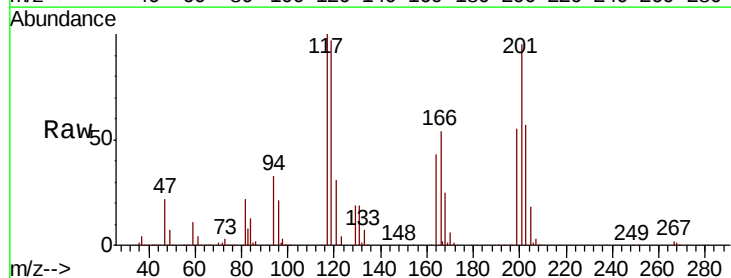
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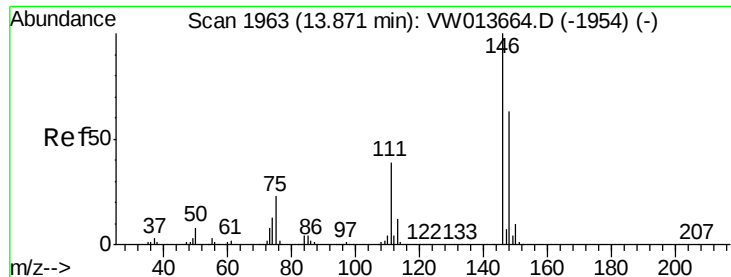
MMDadoda
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#90
Hexachloroethane
Concen: 49.808 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	46.1	138.2





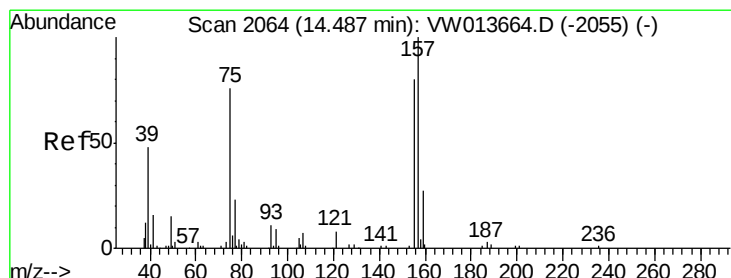
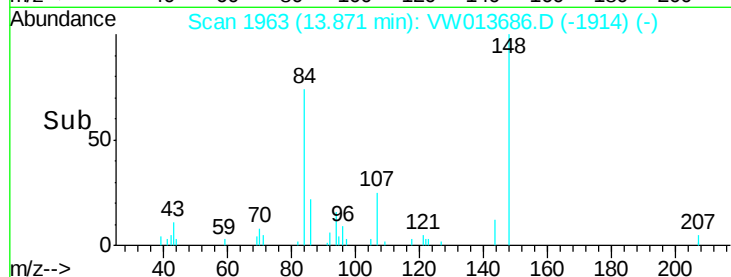
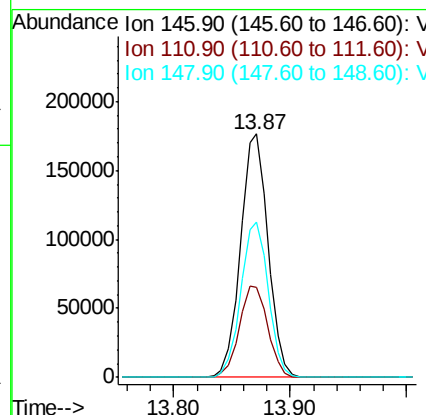
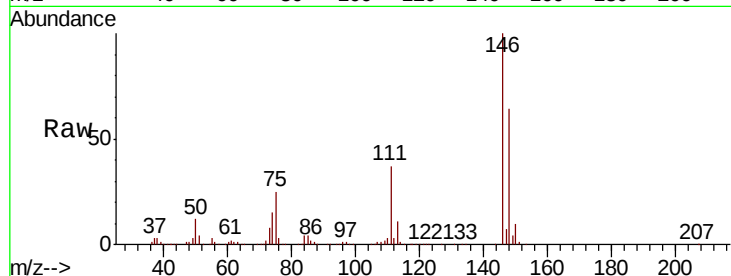
#91
 1,2-Dichlorobenzene
 Concen: 52.227 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.6
148	63.9	31.9	95.9

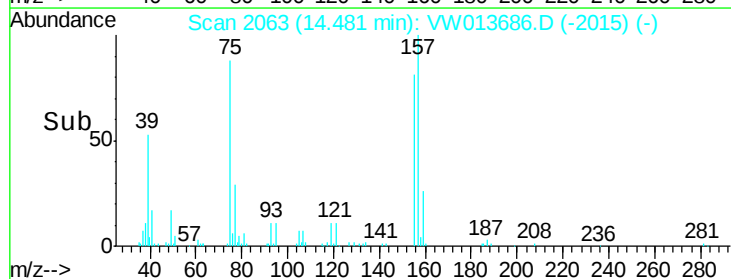
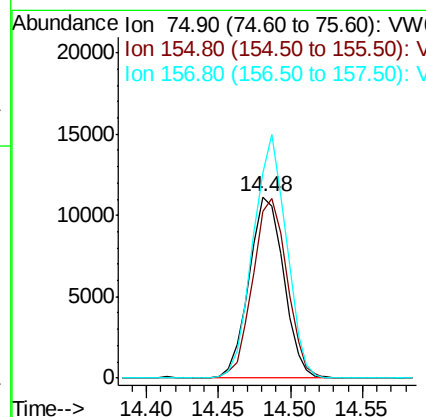
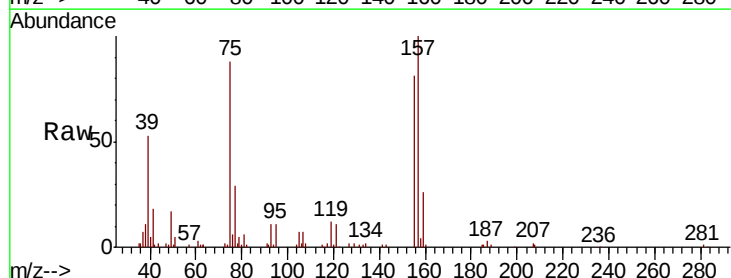
Manual Integrations
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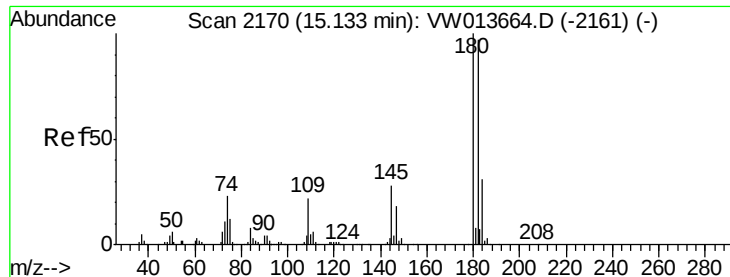
MMDadoda
 10/24/2019 1:25:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.200 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	51.9	155.7
157	127.9	64.8	194.3





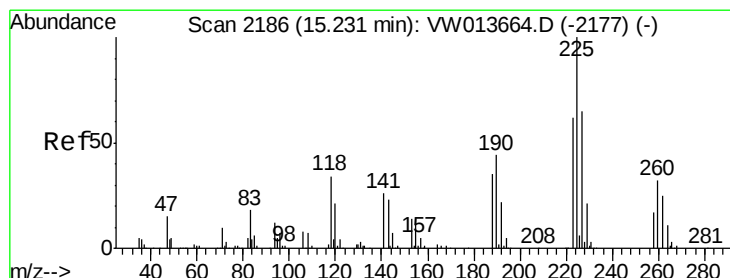
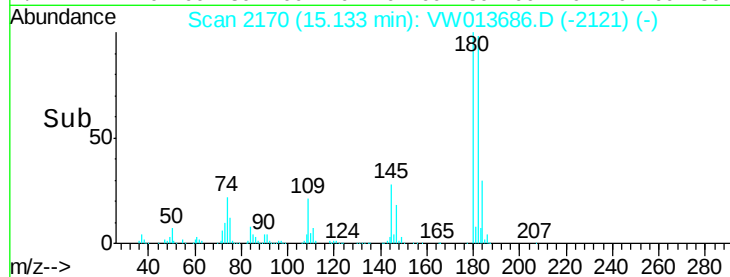
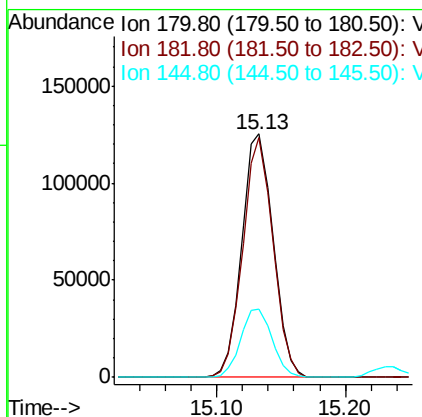
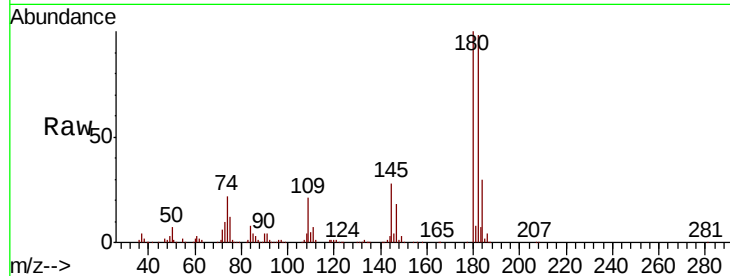
#93
 1,2,4-Trichlorobenzene
 Concen: 51.892 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209834		
182	95.0		47.4	142.2
145	28.1		14.1	42.3

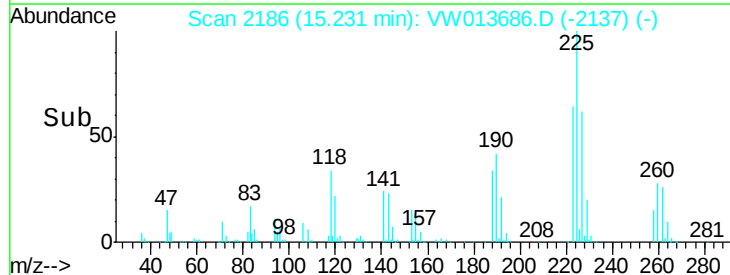
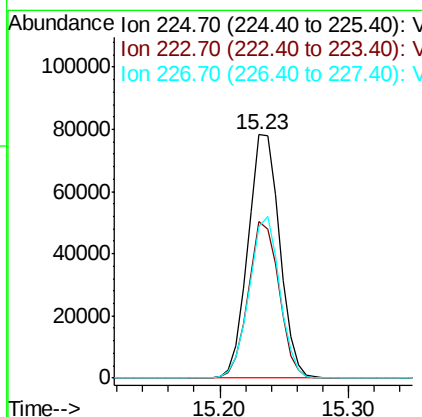
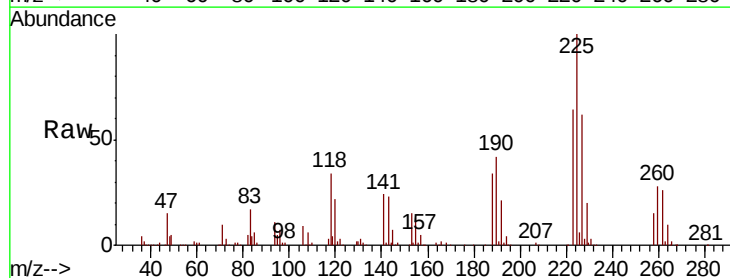
Manual Integrations
 APPROVED

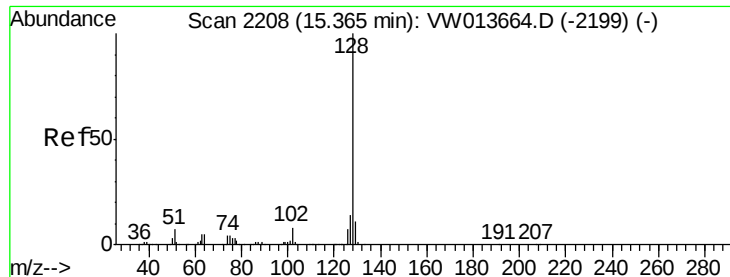
MMDadoda
 10/24/2019 1:25:37 PM



#94
 Hexachlorobutadiene
 Concen: 48.522 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW013686.D
 Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132456		
223	62.3		31.9	95.9
227	63.8		32.5	97.4





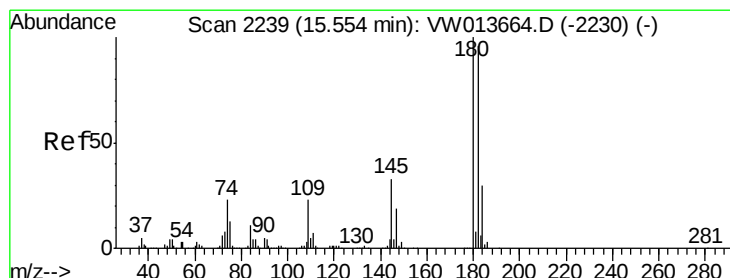
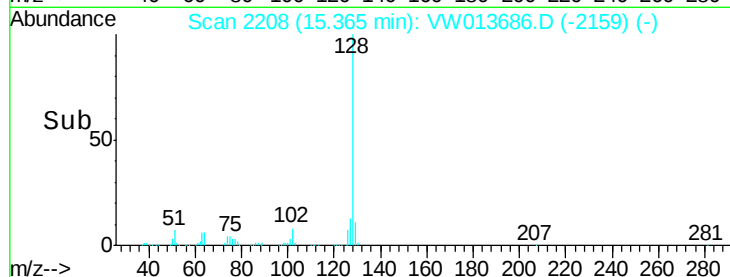
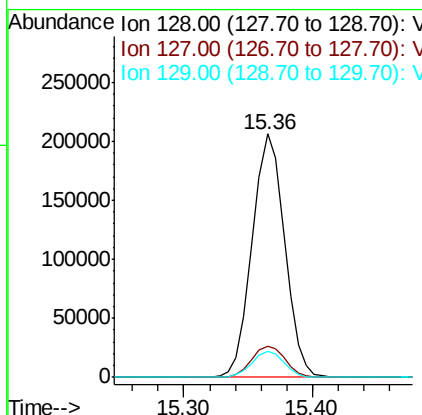
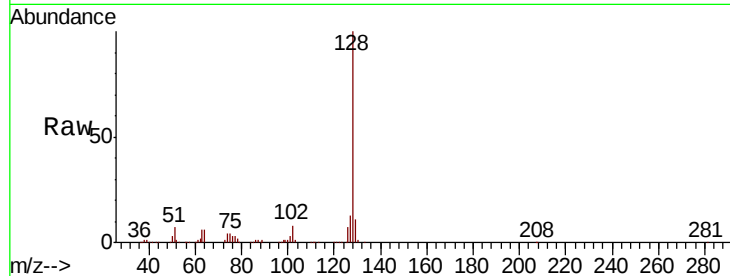
#95
Naphthalene
Concen: 56.742 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:25:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.612 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013686.D
Acq: 24 Oct 2019 00:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	29.8	14.9	44.9

