

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013431.D
 Acq On : 04 Oct 2019 10:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 11:48:06 AM

Quant Time: Oct 04 15:33:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	319082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	193994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	129616	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.80%		
35) Dibromofluoromethane	7.88	113	132062	56.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	112.24%		
50) Toluene-d8	10.32	98	555030	56.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.68%		
62) 4-Bromofluorobenzene	12.62	95	187549	57.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	115.02%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	54041	43.788	ug/l	96
3) Chloromethane	2.21	50	100468	49.332	ug/l	99
4) Vinyl Chloride	2.36	62	154211	53.354	ug/l	99
5) Bromomethane	2.78	94	90576	51.007	ug/l	99
6) Chloroethane	2.92	64	84360	50.546	ug/l	99
7) Trichlorofluoromethane	3.26	101	78675	62.742	ug/l	96
8) Diethyl Ether	3.68	74	74653	51.436	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	145558	52.358	ug/l	99
10) Methyl Iodide	4.27	142	233316	51.967	ug/l	99
11) Tert butyl alcohol	5.21	59	51781	264.204	ug/l #	73
12) 1,1-Dichloroethene	4.04	96	154793	52.699	ug/l	97
13) Acrolein	3.90	56	82239	337.535	ug/l	97
14) Allyl chloride	4.67	41	238843	54.967	ug/l	98
15) Acrylonitrile	5.37	53	173400	264.287	ug/l	99
16) Acetone	4.14	43	173224	237.202	ug/l	94
17) Carbon Disulfide	4.39	76	444322	54.223	ug/l	98
18) Methyl Acetate	4.67	43	83420	48.805	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	228615	52.882	ug/l	99
20) Methylene Chloride	4.92	84	151152	49.563	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	158906	50.800	ug/l	98
22) Diisopropyl ether	6.31	45	437425	52.128	ug/l	96
23) Vinyl Acetate	6.25	43	1365484	271.187	ug/l	98
24) 1,1-Dichloroethane	6.21	63	261809	51.223	ug/l	98
25) 2-Butanone	7.17	43	234922	251.402	ug/l	96
26) 2,2-Dichloropropane	7.17	77	164368	55.774	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	167417	51.132	ug/l	98
28) Bromochloromethane	7.51	49	105305	56.984	ug/l	96
29) Tetrahydrofuran	7.53	42	139035	255.583	ug/l	97
30) Chloroform	7.68	83	253096	50.501	ug/l	97
31) Cyclohexane	7.96	56	276750	50.773	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	205861	52.431	ug/l	99
36) 1,1-Dichloropropene	8.08	75	222879	53.507	ug/l	98
37) Ethyl Acetate	7.25	43	96725	52.605	ug/l	98
38) Carbon Tetrachloride	8.07	117	195924	54.298	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	289917	52.849	ug/l	98
40) Benzene	8.32	78	616780	52.307	ug/l	100
41) Methacrylonitrile	7.48	41	61943	55.883	ug/l	97
42) 1,2-Dichloroethane	8.40	62	158646	52.348	ug/l	97
43) Isopropyl Acetate	8.42	43	187146	54.088	ug/l	97
44) Trichloroethene	9.09	130	174625	52.590	ug/l	97
45) 1,2-Dichloropropane	9.37	63	147622	52.143	ug/l	98
46) Dibromomethane	9.46	93	74559	52.873	ug/l	97
47) Bromodichloromethane	9.64	83	185982	53.575	ug/l	98
48) Methyl methacrylate	9.44	41	92849	55.849	ug/l	94
49) 1,4-Dioxane	9.46	88	27687	1279.004	ug/l #	87
51) 4-Methyl-2-Pentanone	10.21	43	468995	257.990	ug/l	98
52) Toluene	10.39	92	399647	52.547	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	195606	54.172	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	238895	54.568	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	109704	52.150	ug/l	99
56) Ethyl methacrylate	10.65	69	153777	54.310	ug/l	97
57) 1,3-Dichloropropane	10.93	76	192270	52.575	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	332408	285.794	ug/l	98
59) 2-Hexanone	10.97	43	341389	270.938	ug/l	99
60) Dibromochloromethane	11.13	129	129765	53.921	ug/l	100
61) 1,2-Dibromoethane	11.24	107	107693	52.979	ug/l	100
64) Tetrachloroethene	10.86	164	151024	51.458	ug/l	98
65) Chlorobenzene	11.66	112	406919	51.487	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	144353	53.626	ug/l	99
67) Ethyl Benzene	11.73	91	756212	53.387	ug/l	99
68) m/p-Xylenes	11.84	106	579129	105.924	ug/l	99
69) o-Xylene	12.16	106	265653	52.552	ug/l	97
70) Styrene	12.18	104	462847	53.562	ug/l	99
71) Bromoform	12.35	173	81539	55.871	ug/l #	100
73) Isopropylbenzene	12.46	105	753780	53.120	ug/l	100
74) N-amyl acetate	12.27	43	166165	55.022	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	124879	51.994	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	83165m	48.235	ug/l	
77) Bromobenzene	12.74	156	175353	51.463	ug/l	98
78) n-propylbenzene	12.80	91	879226	53.865	ug/l	100
79) 2-Chlorotoluene	12.89	91	484460	53.436	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	618472	52.468	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	43571	53.425	ug/l	96
82) 4-Chlorotoluene	12.99	91	507210	53.407	ug/l	99
83) tert-Butylbenzene	13.21	119	557004	54.099	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	616780	52.634	ug/l	99
85) sec-Butylbenzene	13.38	105	762999	53.749	ug/l	99
86) p-Isopropyltoluene	13.50	119	714453	54.307	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	336492	52.491	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	332841	51.857	ug/l	100
89) n-Butylbenzene	13.82	91	653790	55.122	ug/l	100
90) Hexachloroethane	14.09	117	121843	56.058	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	294614	51.989	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20142	56.067	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	218131	53.636	ug/l	99
94) Hexachlorobutadiene	15.24	225	143692	54.391	ug/l	99
95) Naphthalene	15.36	128	378056	55.107	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	187266	52.740	ug/l	99

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

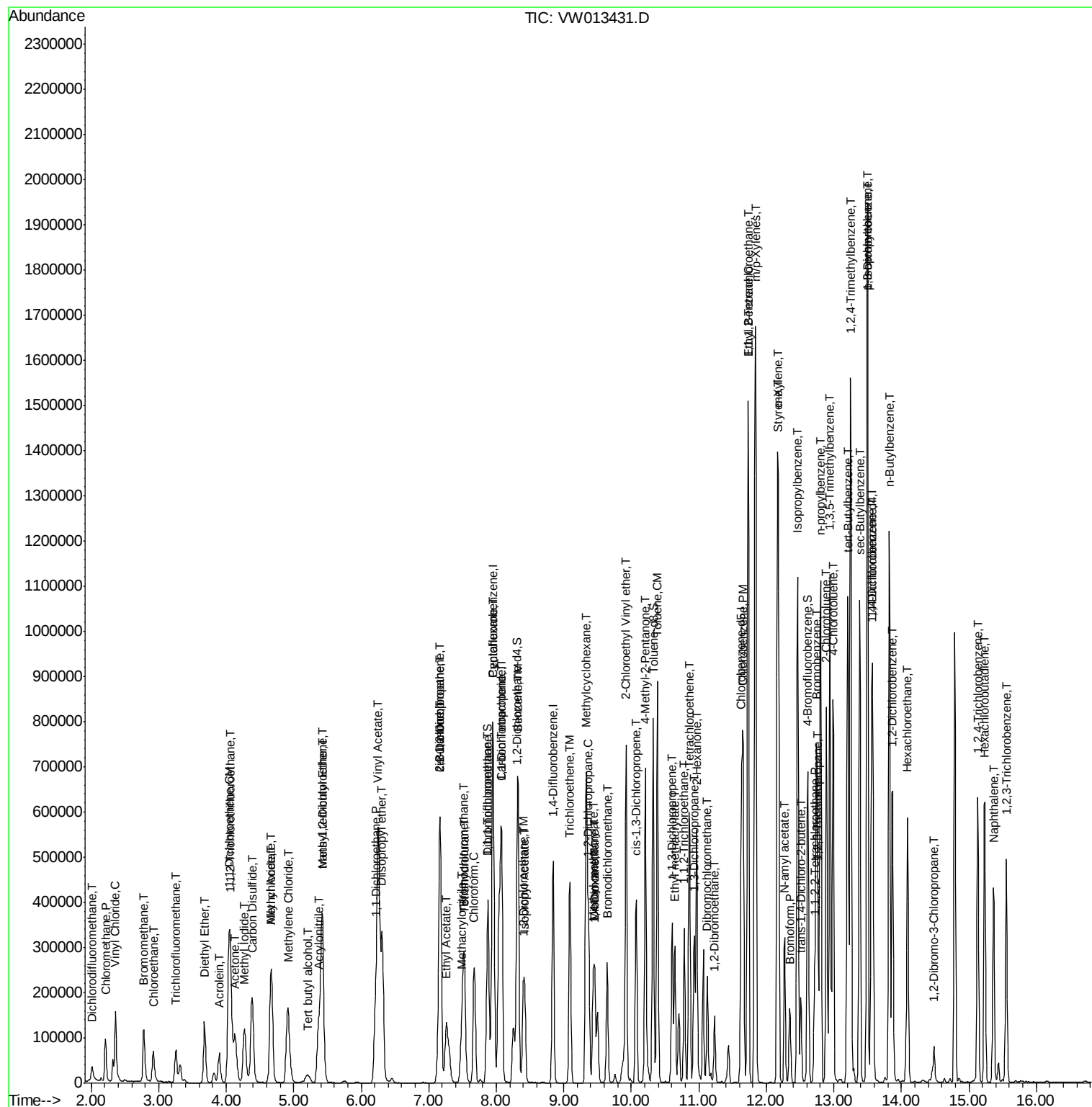
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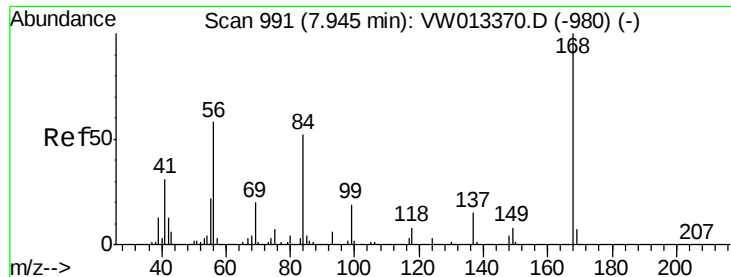
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 319082

Ion Ratio Lower Upper

168 100

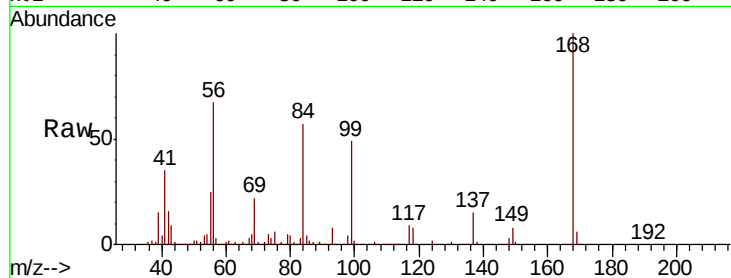
99 48.6 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

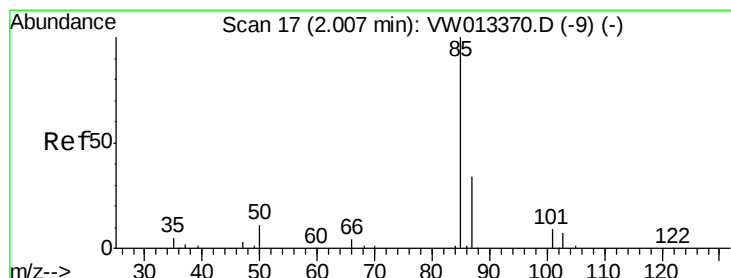
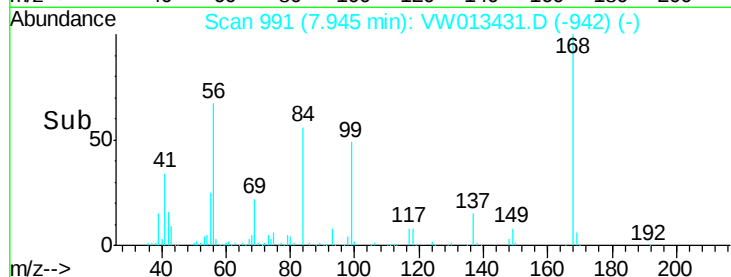
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 43.788 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013431.D

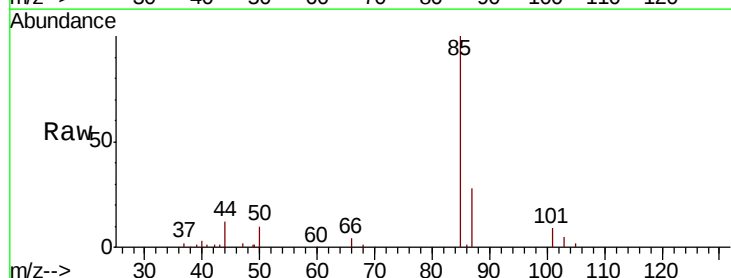
Acq: 04 Oct 2019 10:42

Tgt Ion: 85 Resp: 54041

Ion Ratio Lower Upper

85 100

87 27.8 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

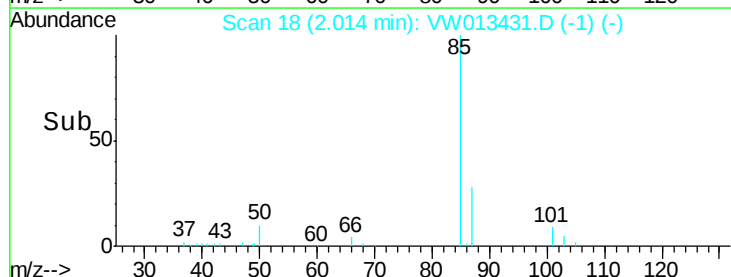
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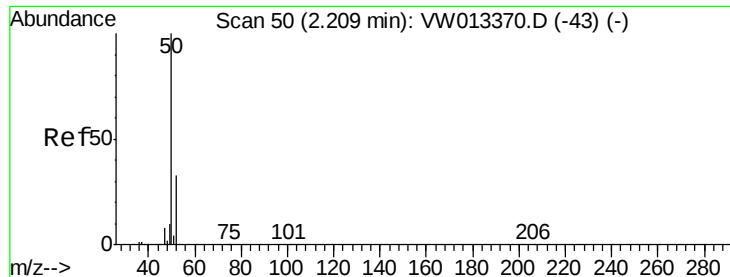
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 49.332 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 100468

Ion Ratio Lower Upper

50 100

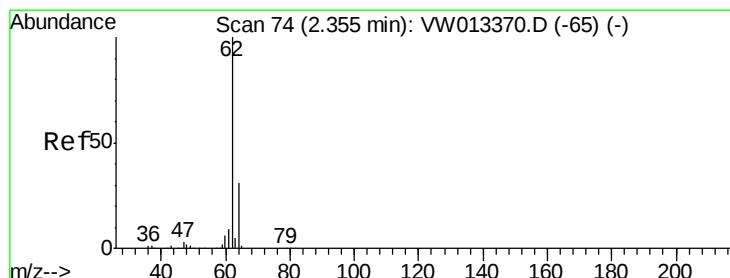
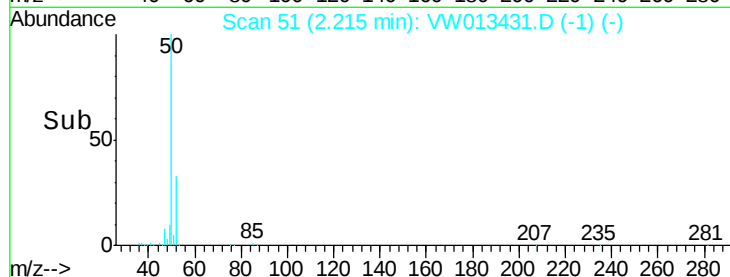
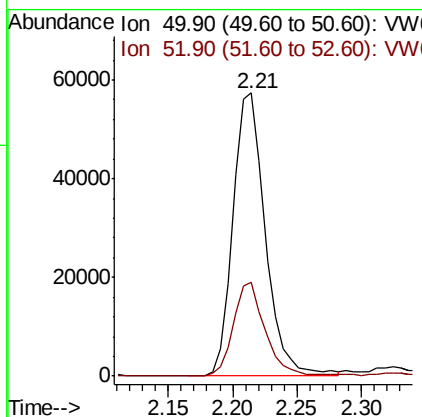
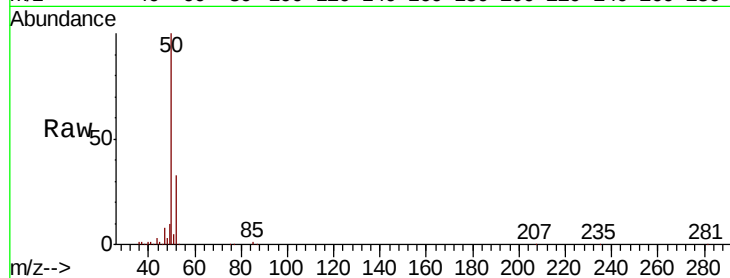
52 33.4 26.1 39.1

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#4

Vinyl Chloride

Concen: 53.354 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013431.D

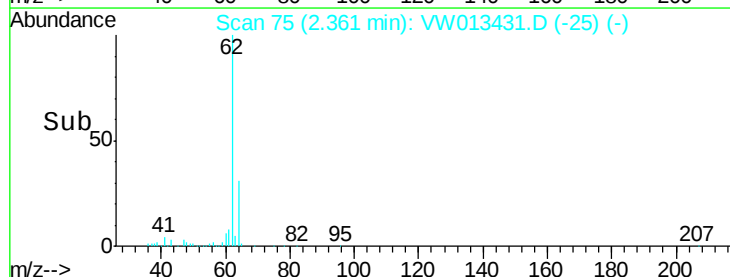
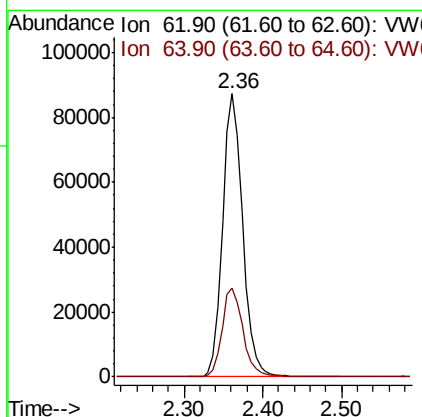
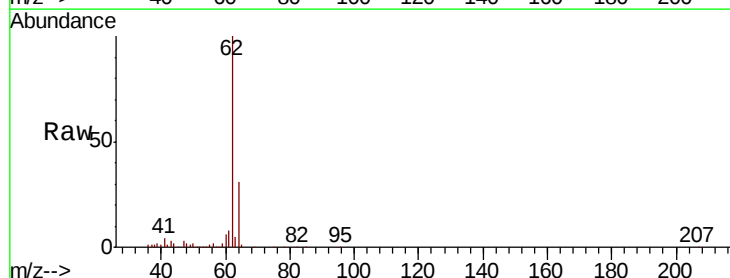
Acq: 04 Oct 2019 10:42

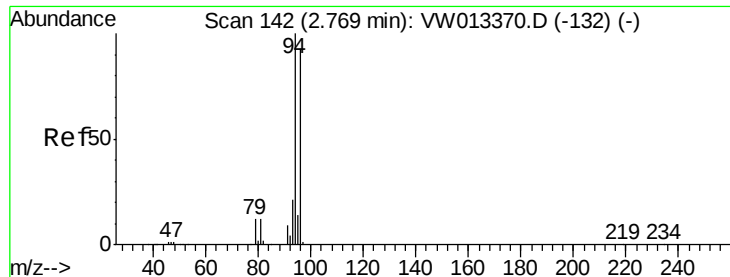
Tgt Ion: 62 Resp: 154211

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9





#5

Bromomethane

Concen: 51.007 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 90576

Ion Ratio Lower Upper

94 100

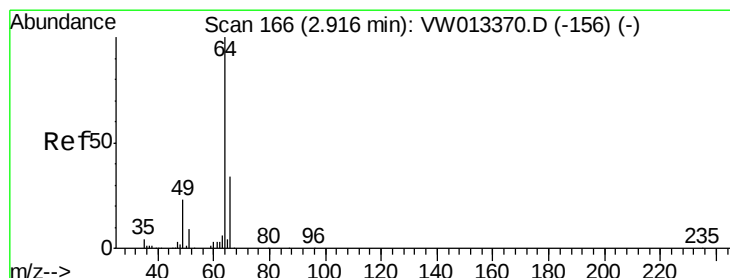
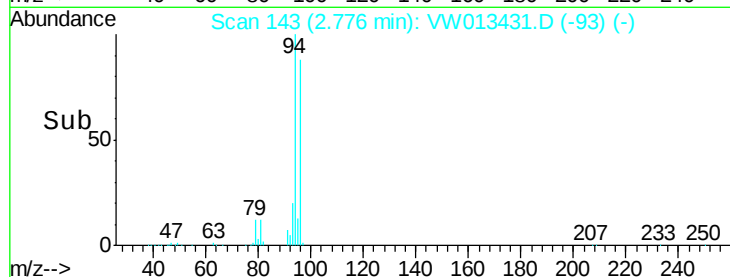
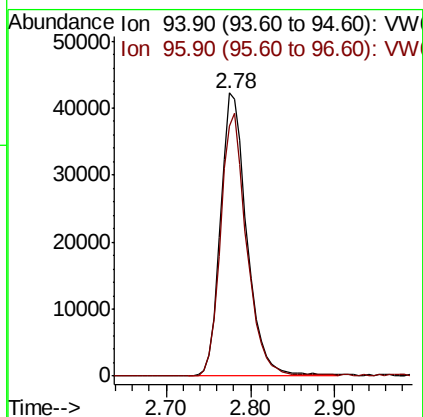
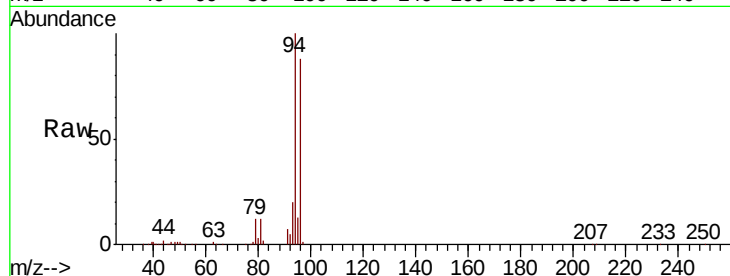
96 88.2 69.7 104.5

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#6

Chloroethane

Concen: 50.546 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013431.D

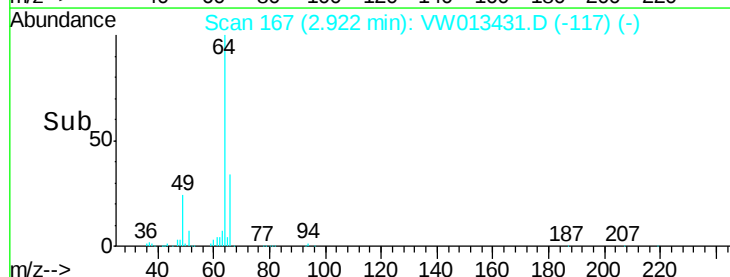
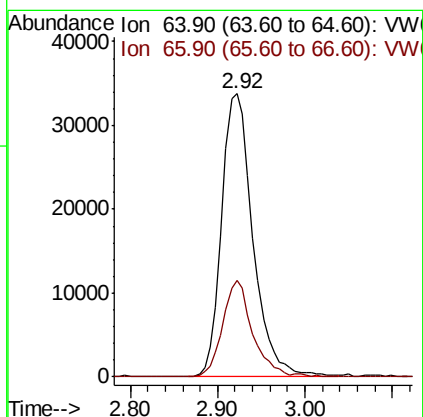
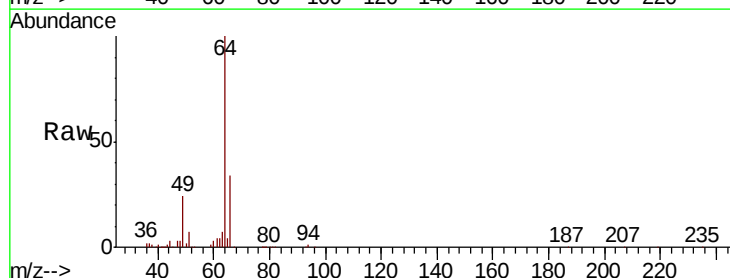
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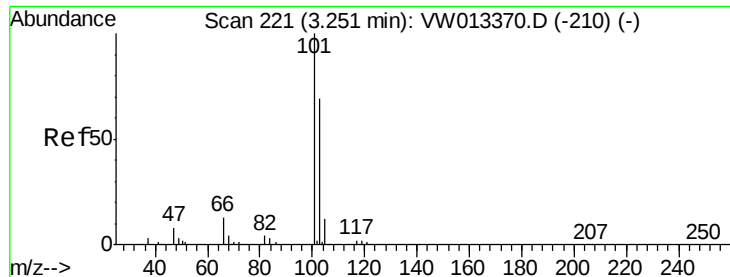
Tgt Ion: 64 Resp: 84360

Ion Ratio Lower Upper

64 100

66 34.0 26.6 39.8





#7

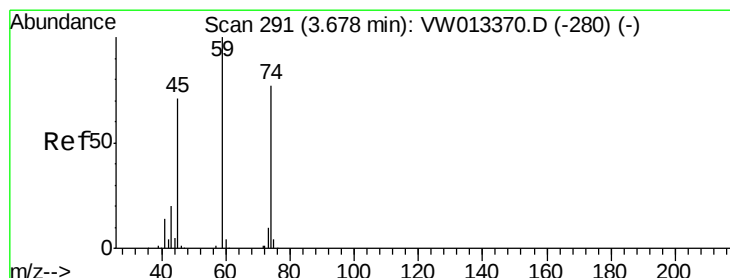
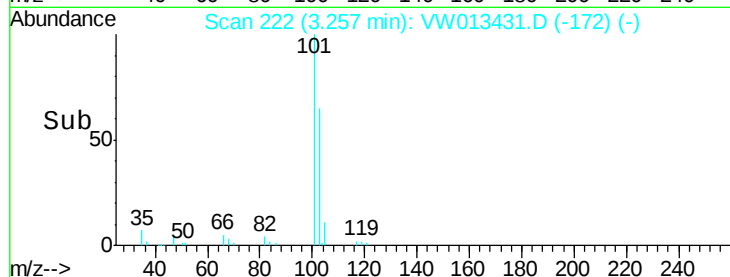
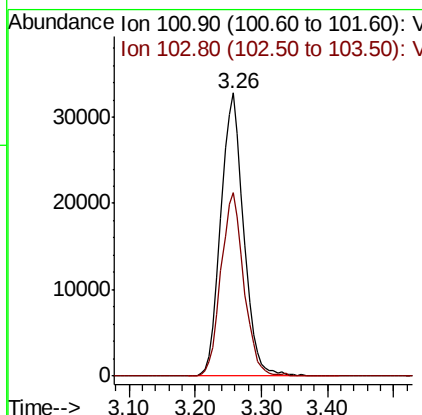
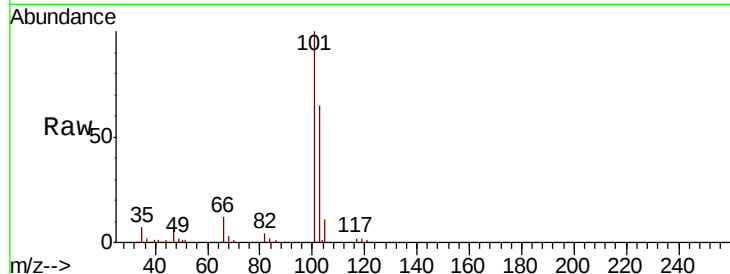
Trichlorofluoromethane
 Concen: 62.742 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	49.7	74.5

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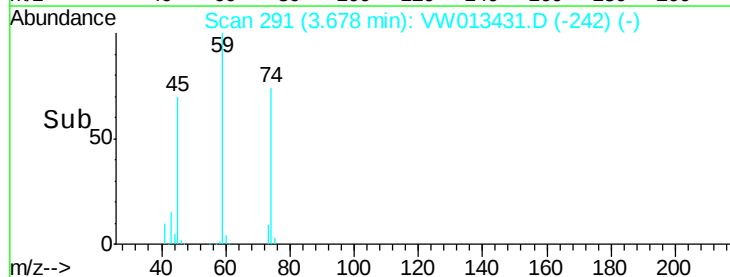
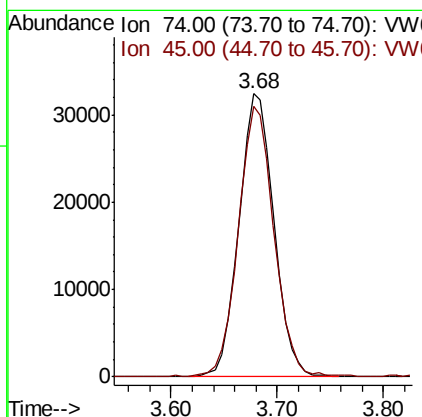
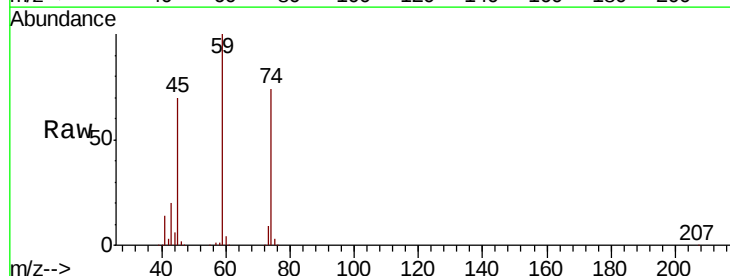
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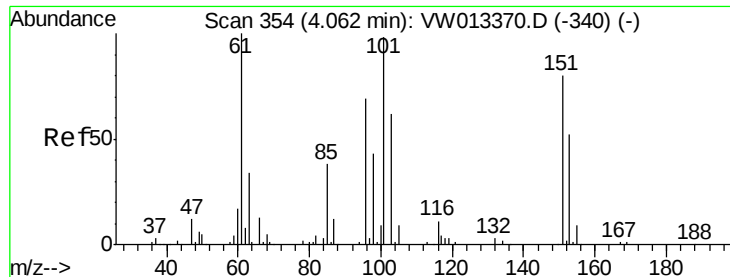


#8

Diethyl Ether
 Concen: 51.436 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013431.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.358 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

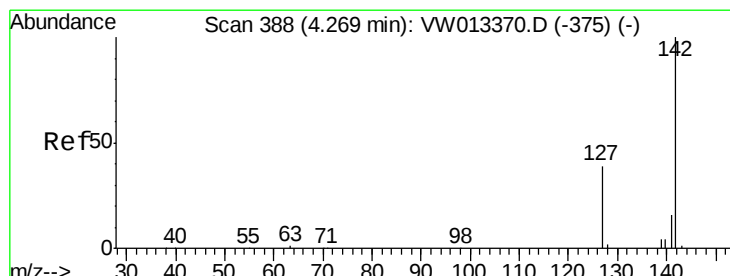
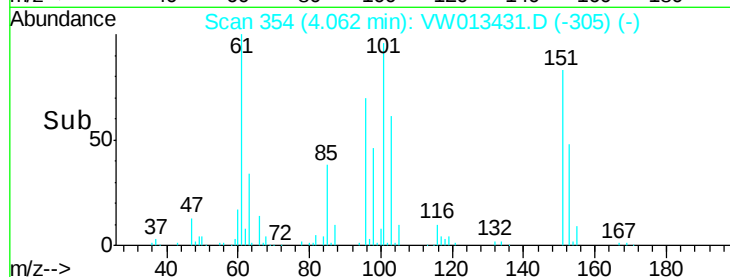
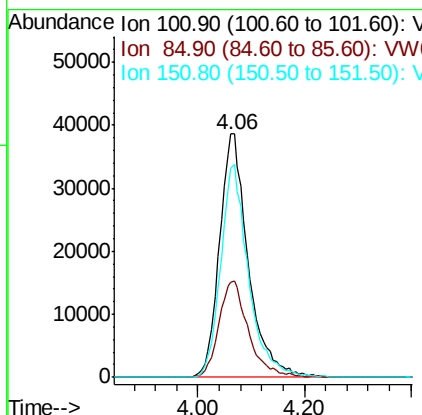
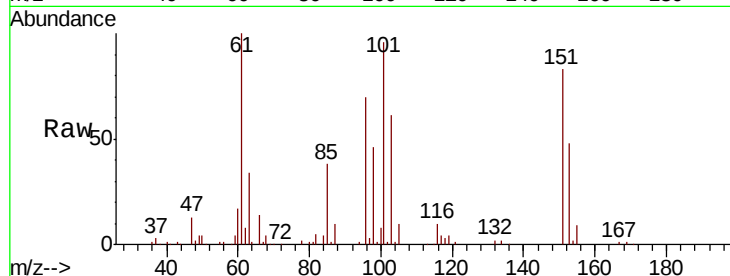
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	145558
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.4	50.0
151	84.6	66.9	100.3

Manual Integrations
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10/9/2019 11:48:06 AM



#10

Methyl Iodide

Concen: 51.967 ug/l

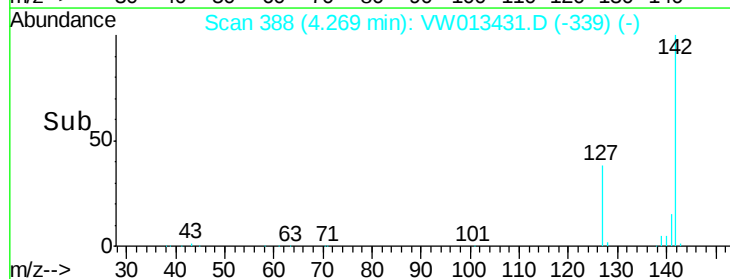
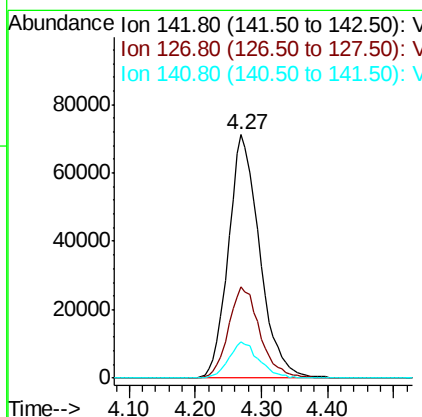
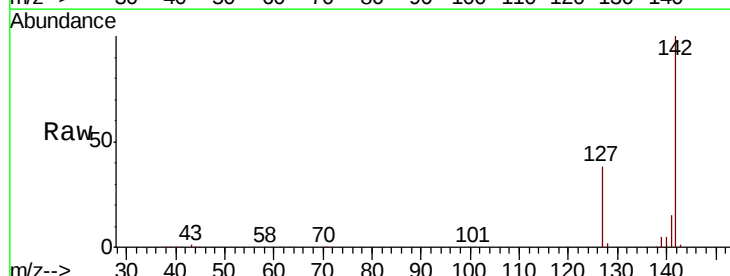
RT: 4.27 min Scan# 388

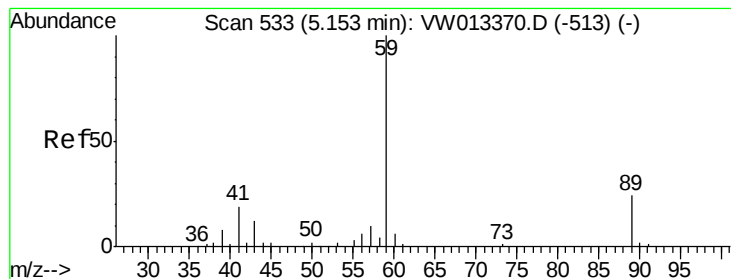
Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion:	142	Resp:	233316
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.9	46.3
141	14.4	11.7	17.5





#11

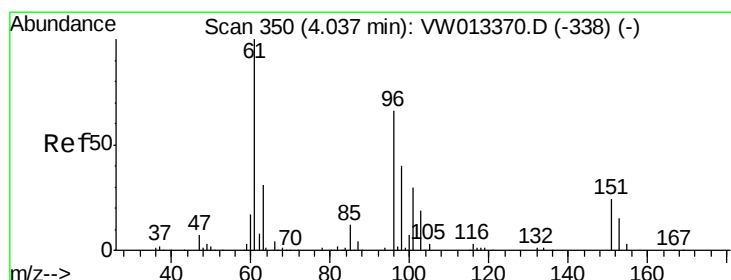
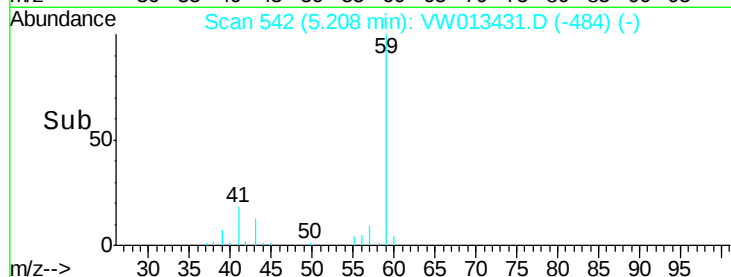
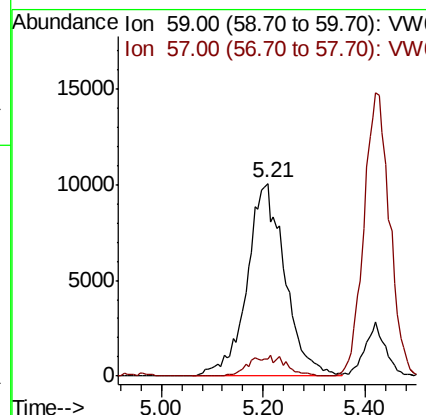
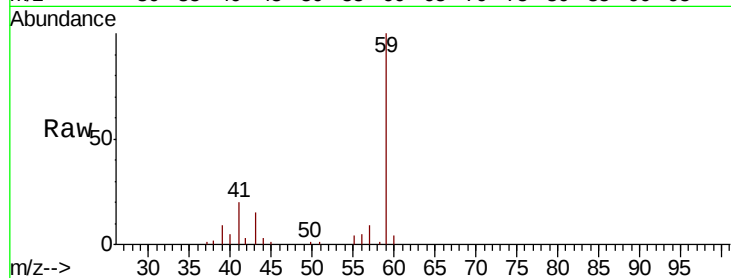
Tert butyl alcohol
 Concen: 264.204 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.06 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

Manual Integrations
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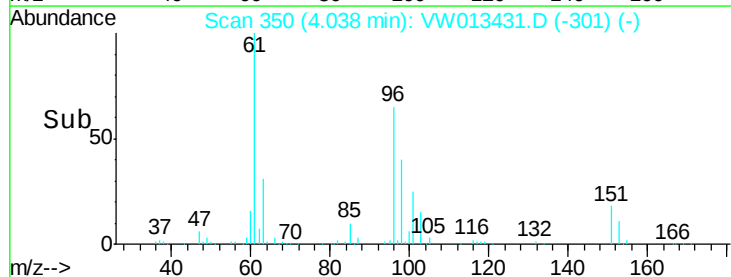
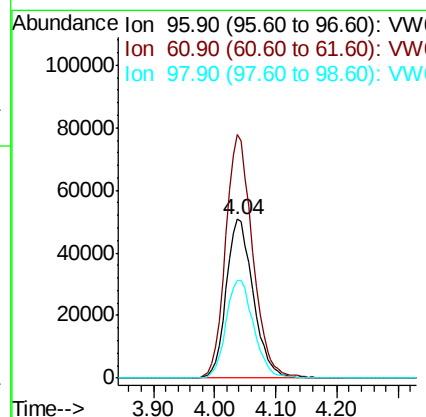
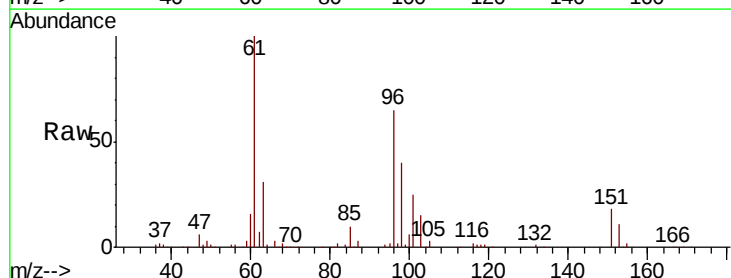
MMDadoda
 10/9/2019 11:48:06 AM

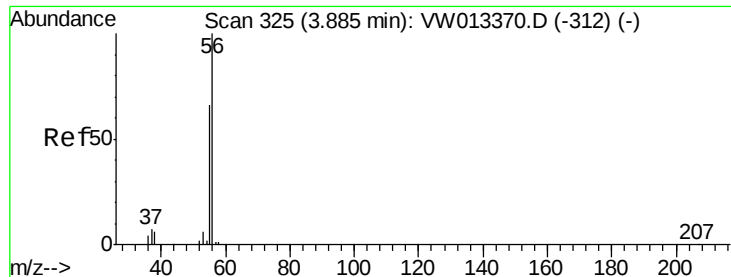


#12

1,1-Dichloroethene
 Concen: 52.699 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	125.1	187.7
98	61.2	50.8	76.2





#13

Acrolein

Concen: 337.535 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 82239

Ion Ratio Lower Upper

56 100

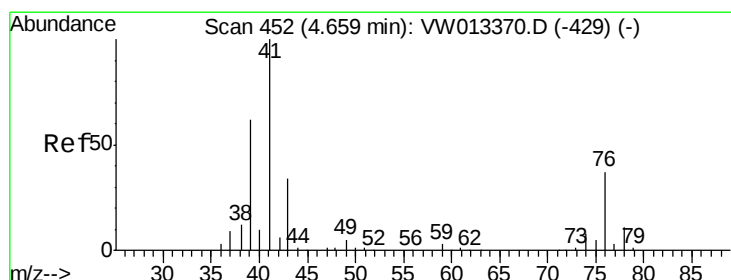
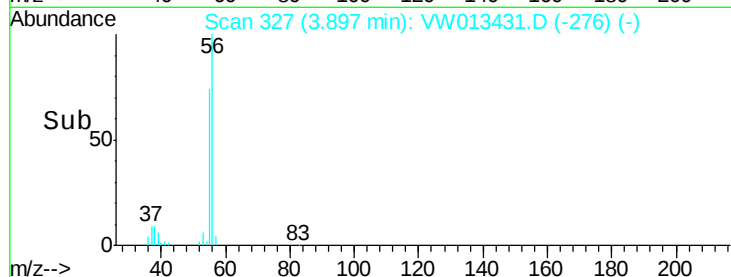
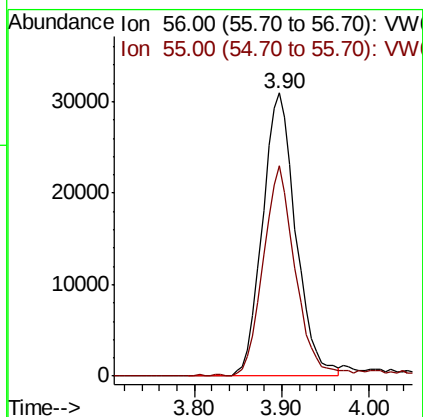
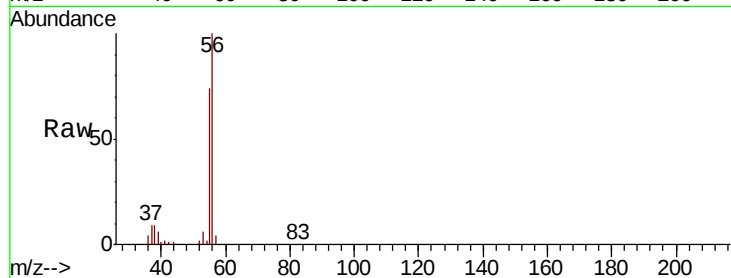
55 71.7 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 54.967 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

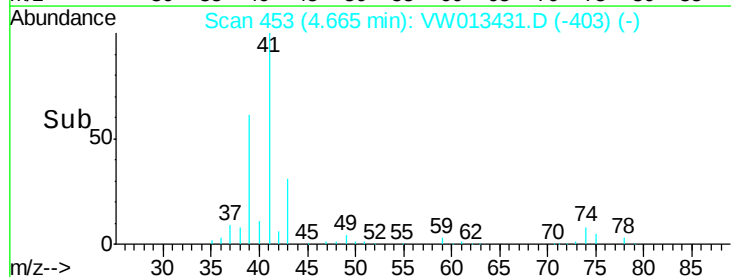
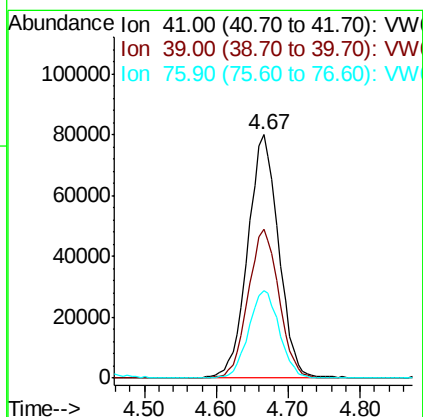
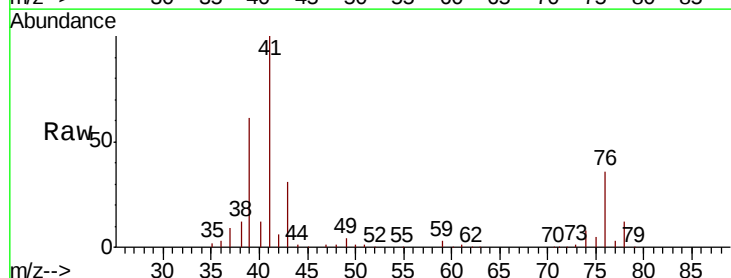
Tgt Ion: 41 Resp: 238843

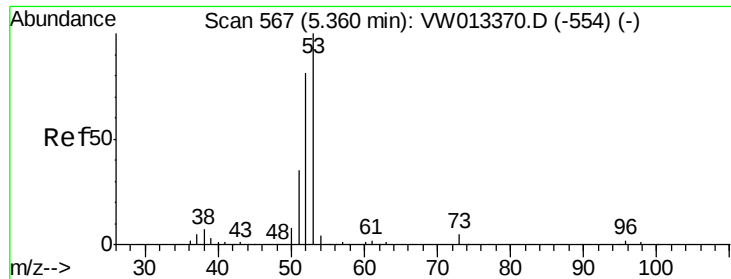
Ion Ratio Lower Upper

41 100

39 61.1 51.0 76.4

76 35.5 28.4 42.6





#15

Acrylonitrile

Concen: 264.287 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

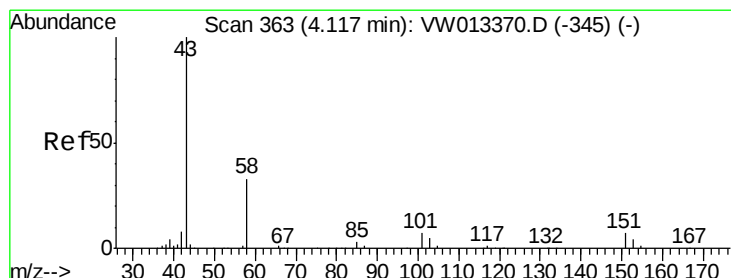
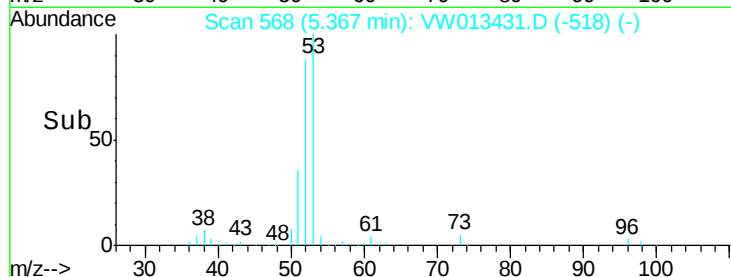
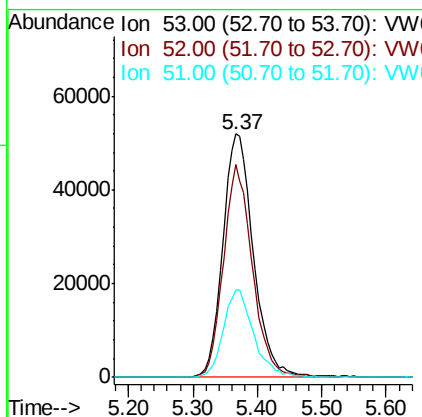
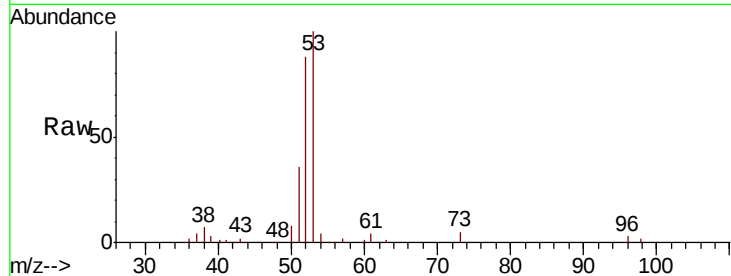
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	173400
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	35.4	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 237.202 ug/l

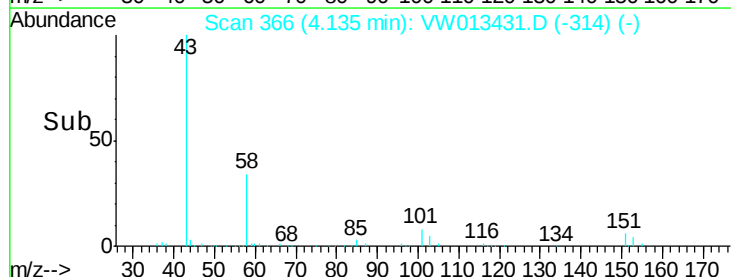
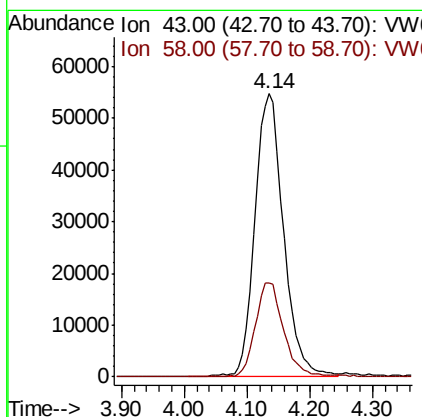
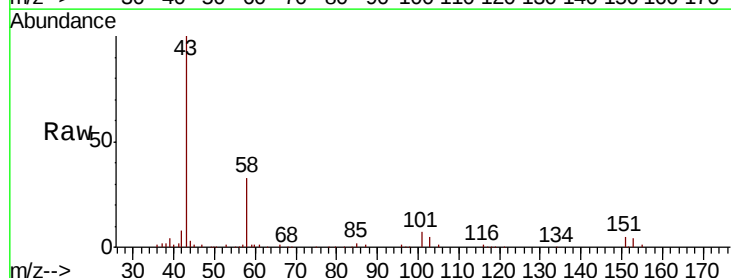
RT: 4.14 min Scan# 366

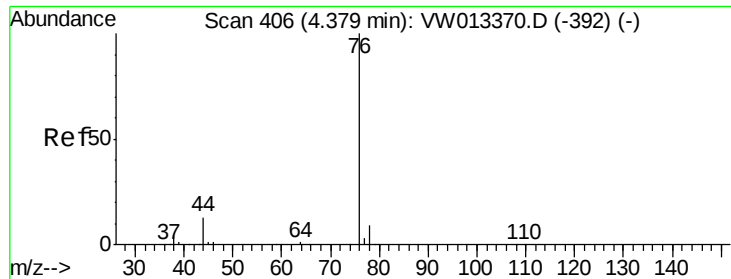
Delta R.T. 0.02 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion:	43	Resp:	173224
Ion	Ratio	Lower	Upper
43	100		
58	33.1	24.1	36.1





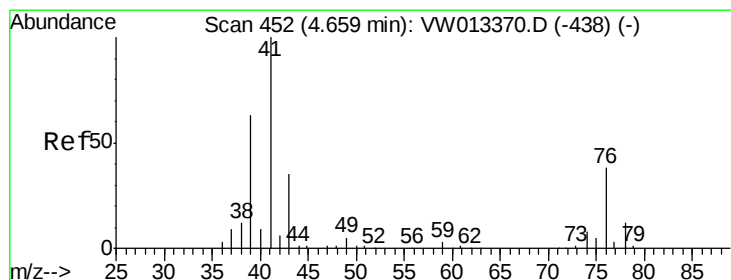
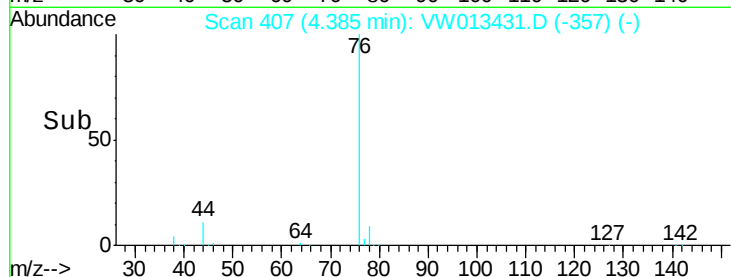
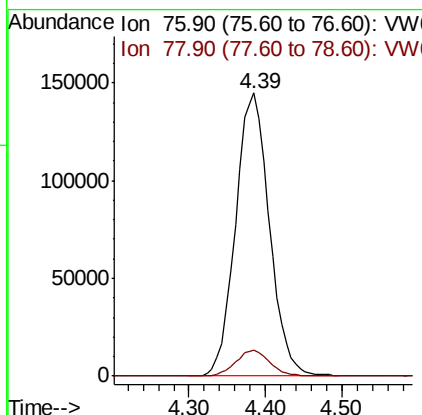
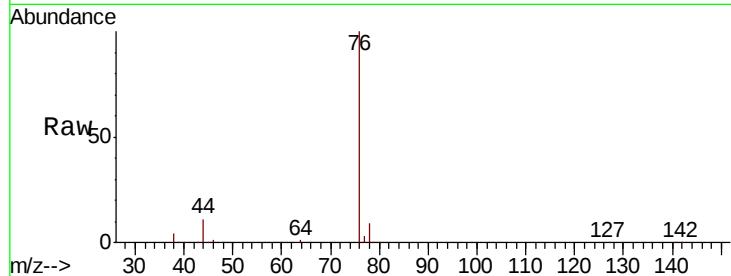
#17
Carbon Disulfide
Concen: 54.223 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

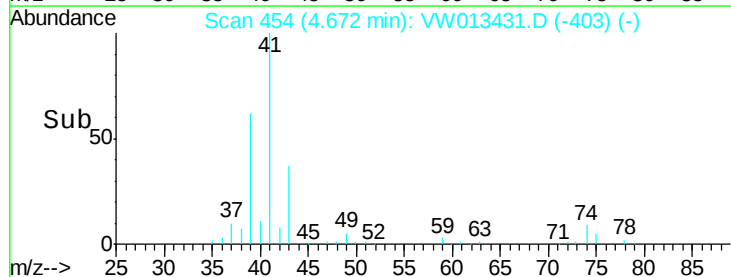
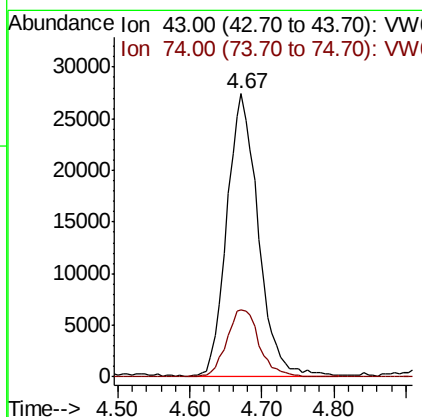
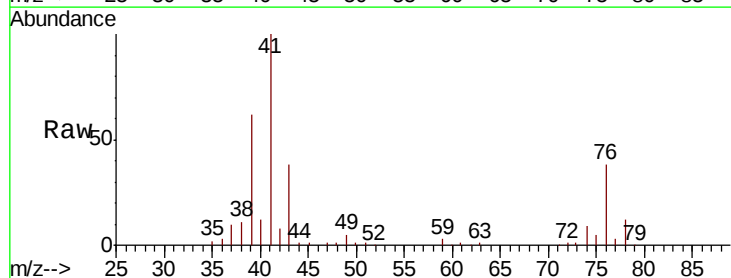
Manual Integrations
APPROVED

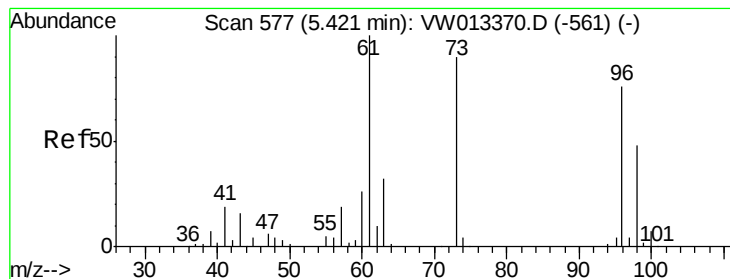
MMDadoda
10/9/2019 11:48:06 AM



#18
Methyl Acetate
Concen: 48.805 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.3	28.9





#19

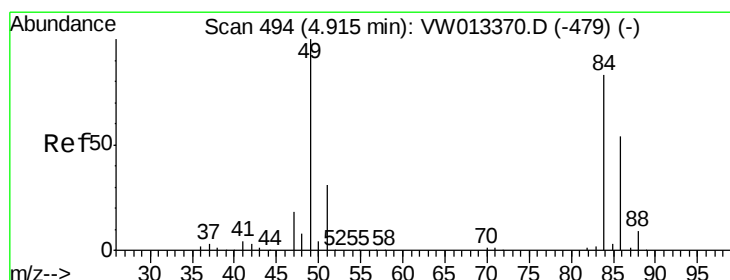
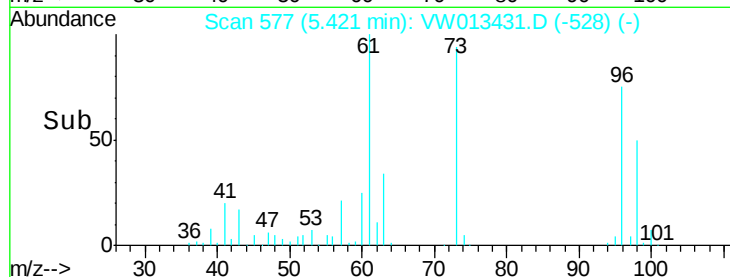
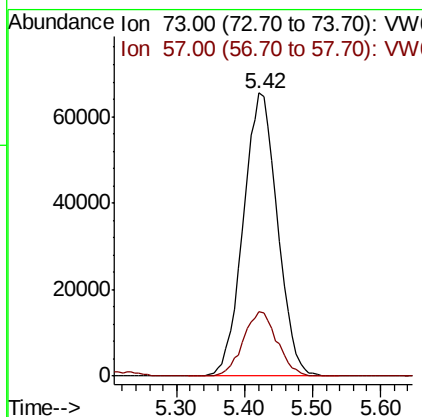
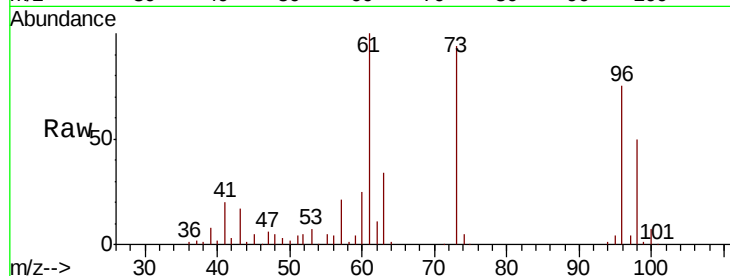
Methyl tert-butyl Ether
 Concen: 52.882 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.6	26.4

Manual Integrations
 APPROVED

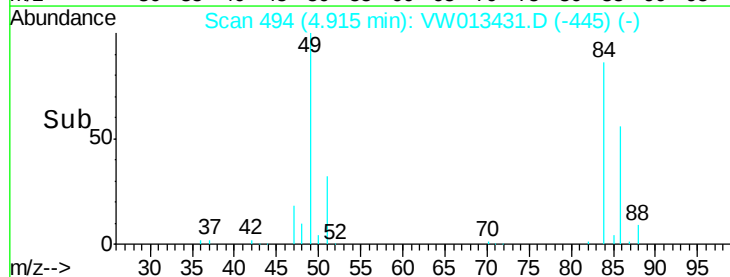
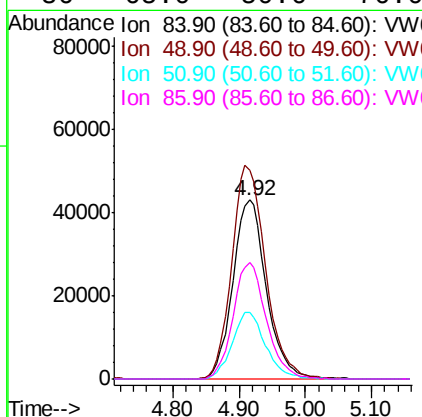
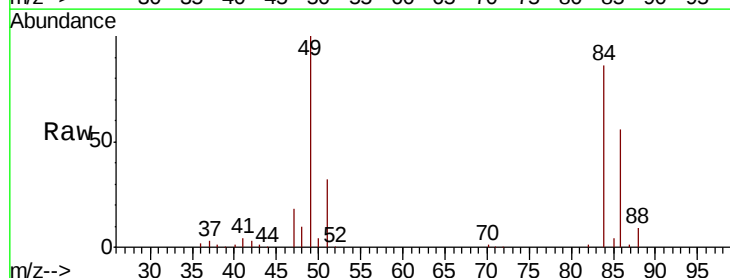
MMDadoda
 10/9/2019 11:48:06 AM

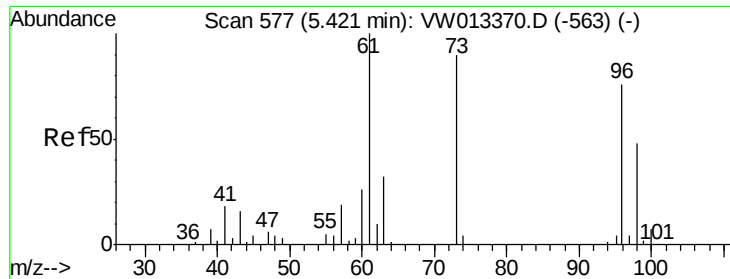


#20

Methylene Chloride
 Concen: 49.563 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.4	97.6	146.4
51	37.3	30.2	45.2
86	65.0	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 50.800 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 158906

Ion Ratio Lower Upper

96 100

61 132.5 106.6 159.8

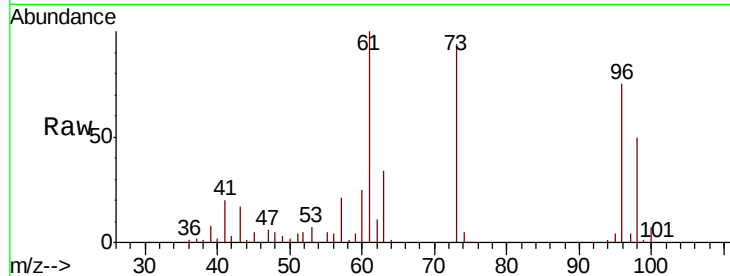
98 66.2 49.8 74.8

Manual Integrations

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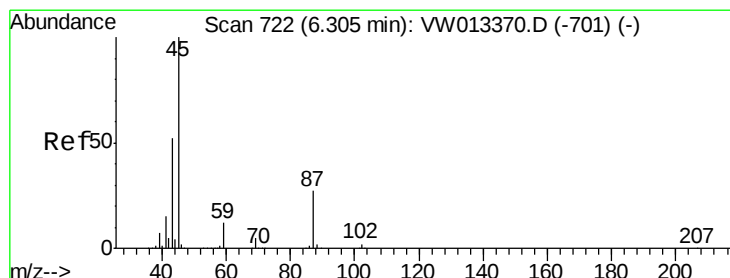
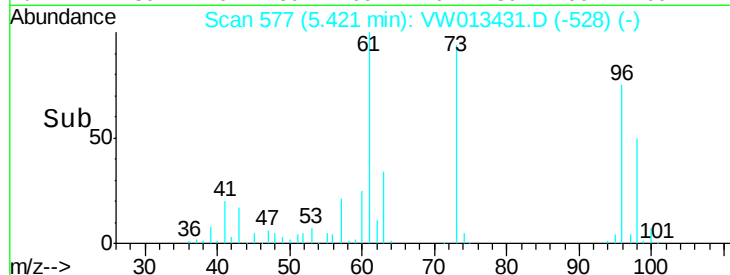
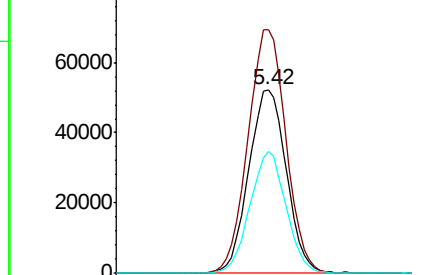
10/9/2019 11:48:06 AM



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.128 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion: 45 Resp: 437425

Ion Ratio Lower Upper

45 100

43 55.1 42.4 63.6

87 28.5 20.4 30.6

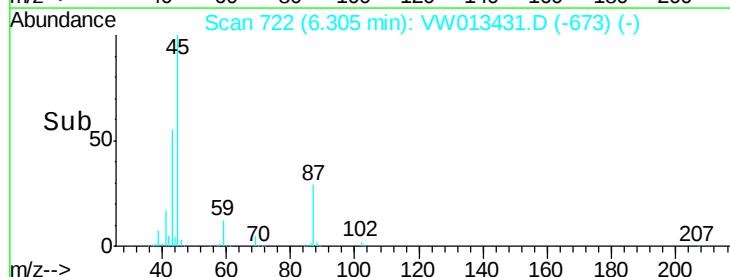
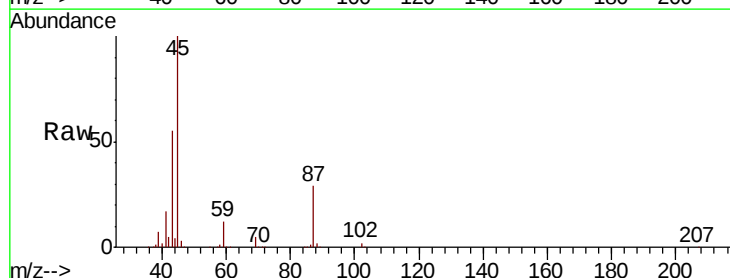
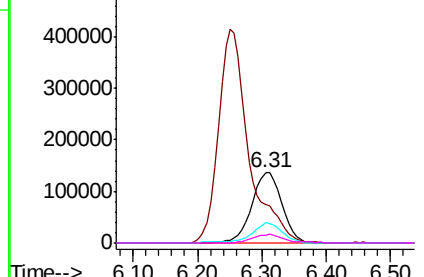
59 11.8 8.8 13.2

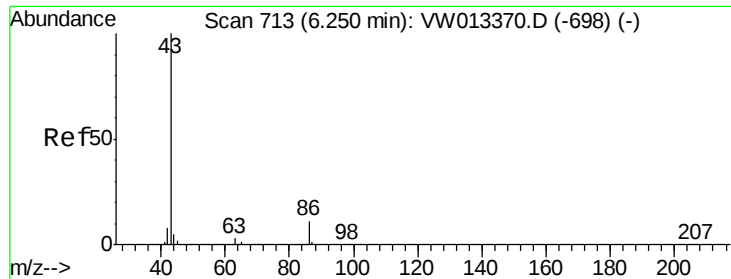
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 271.187 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1365484

Ion Ratio Lower Upper

43 100

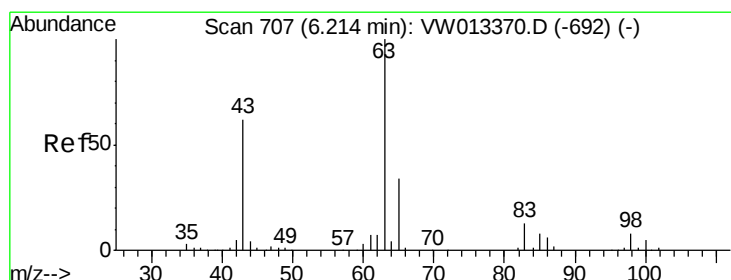
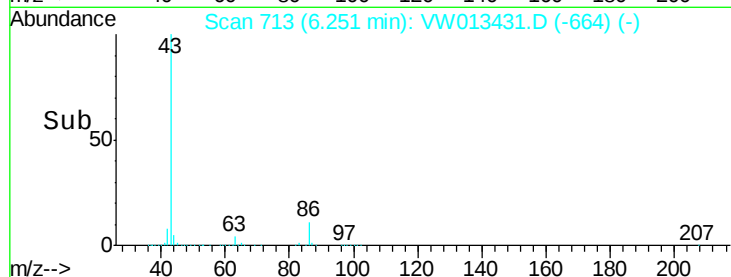
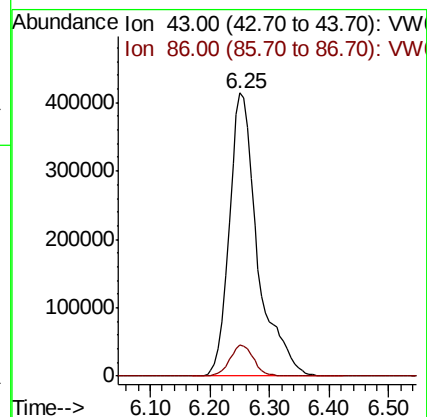
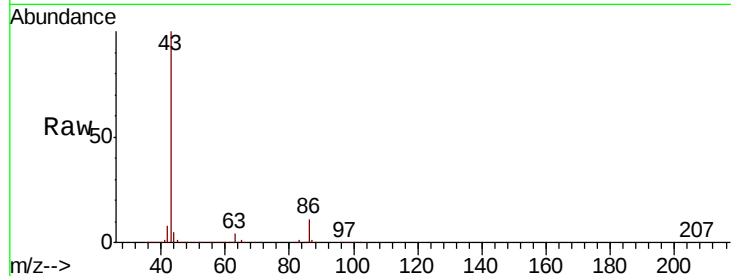
86 11.0 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.223 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

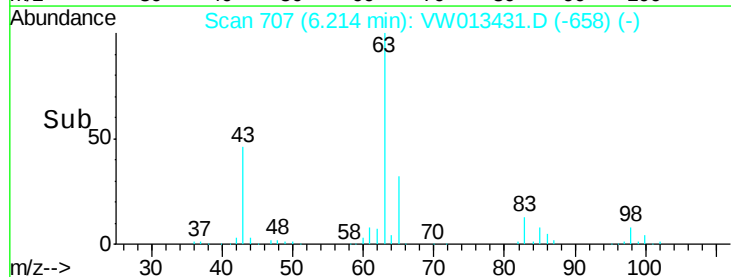
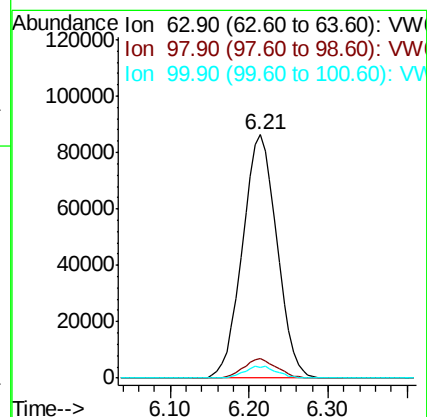
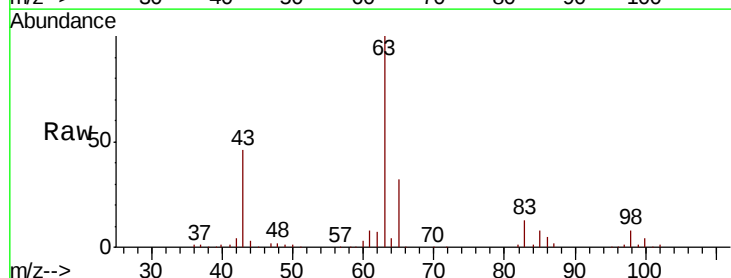
Tgt Ion: 63 Resp: 261809

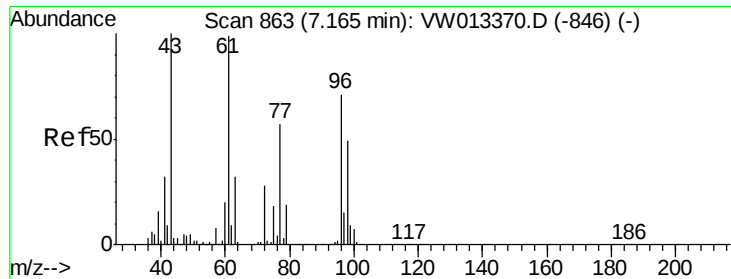
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 251.402 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 234922

Ion Ratio Lower Upper

43 100

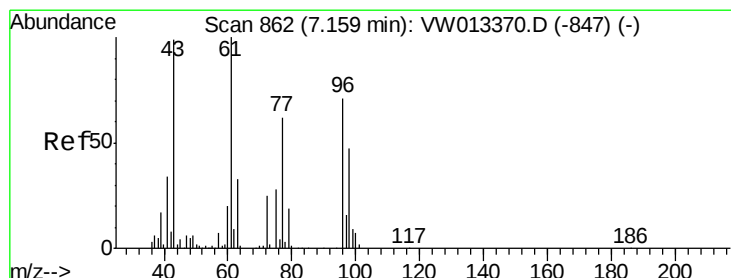
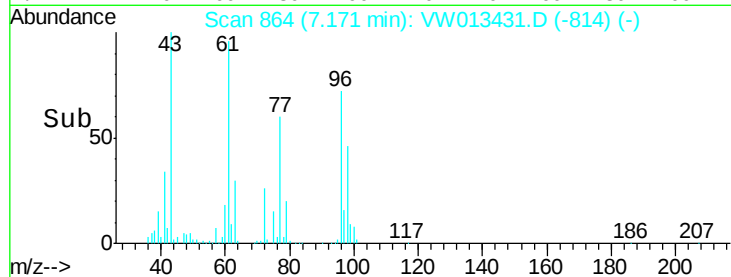
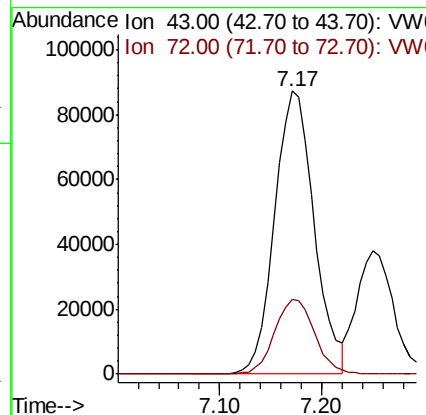
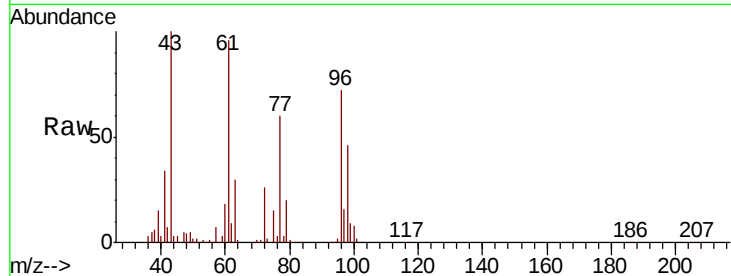
72 26.3 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 55.774 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013431.D

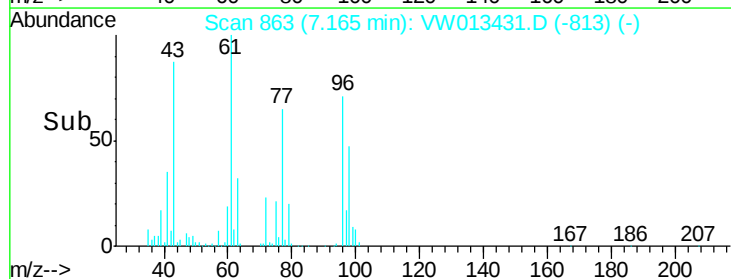
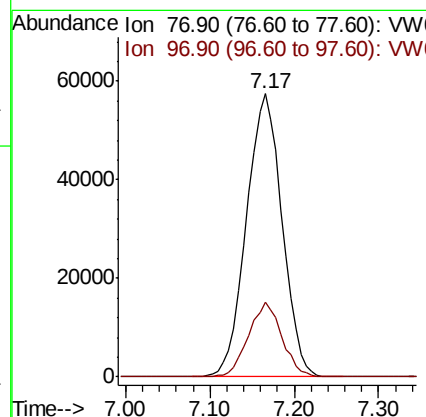
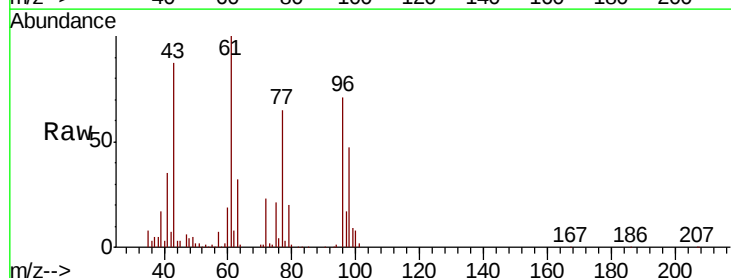
Acq: 04 Oct 2019 10:42

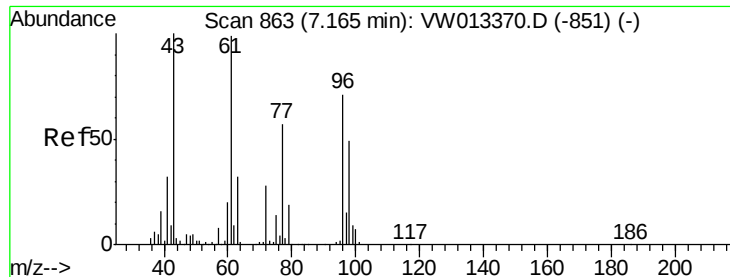
Tgt Ion: 77 Resp: 164368

Ion Ratio Lower Upper

77 100

97 24.7 11.8 35.4





#27

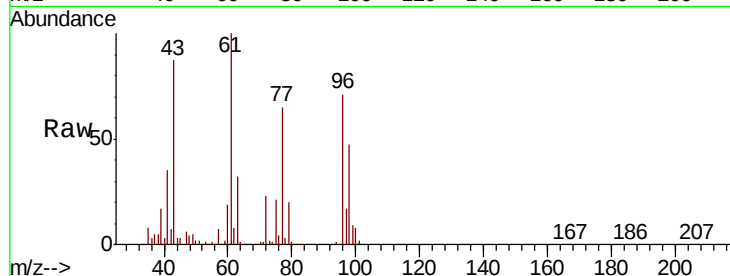
cis-1,2-Dichloroethene
Concen: 51.132 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	282.4
98	65.4	0.0	128.2

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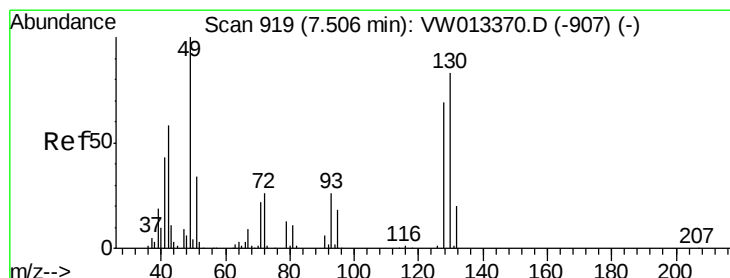
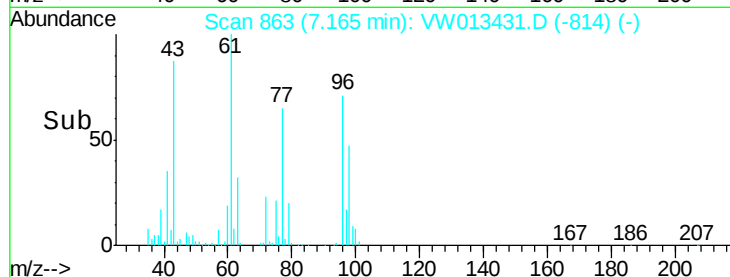
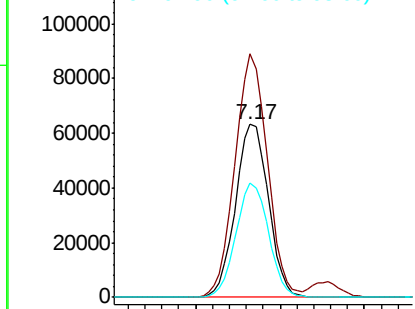


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

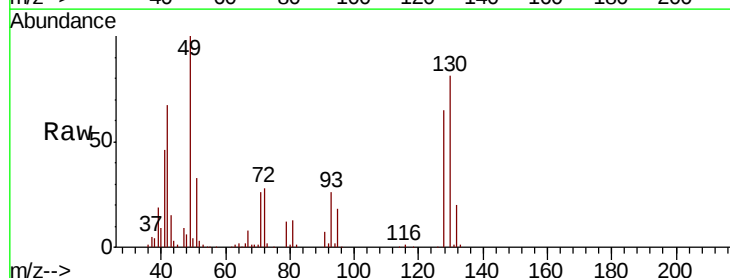
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 56.984 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.0
130	82.8	63.4	95.2

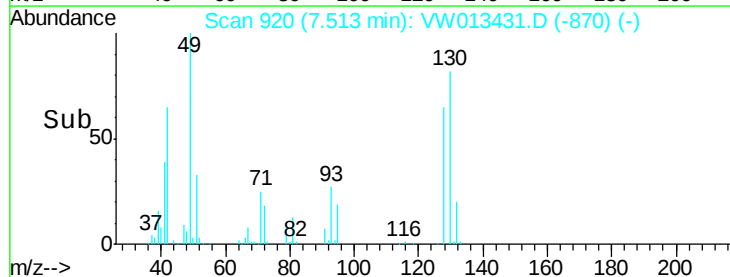
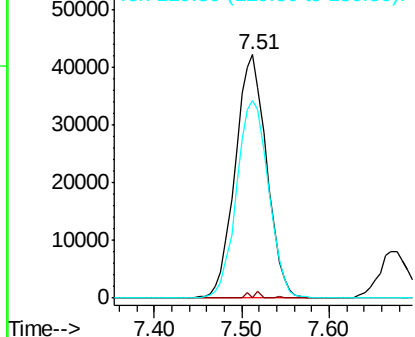


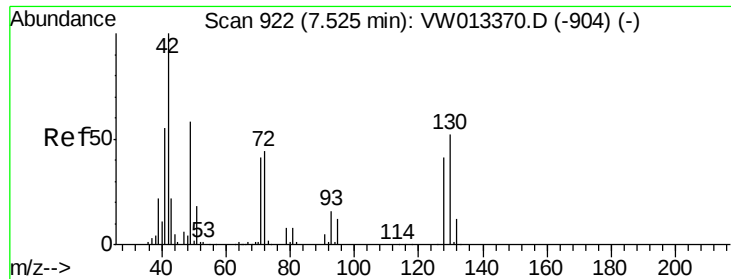
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





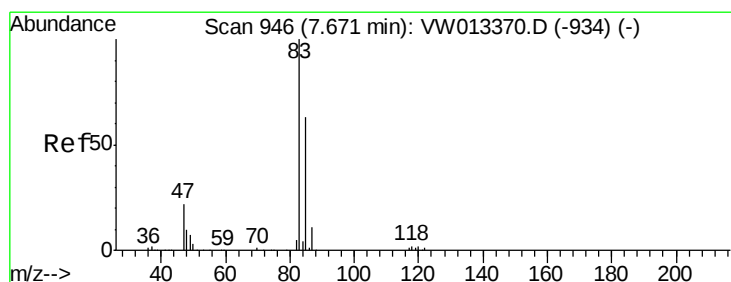
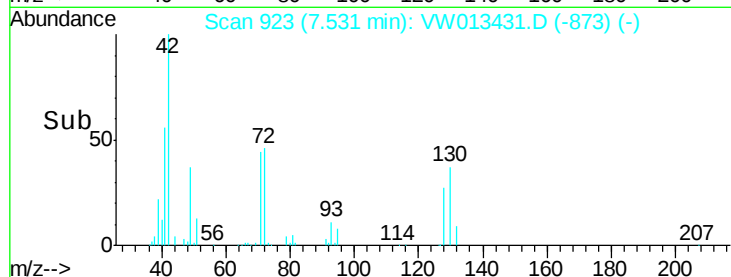
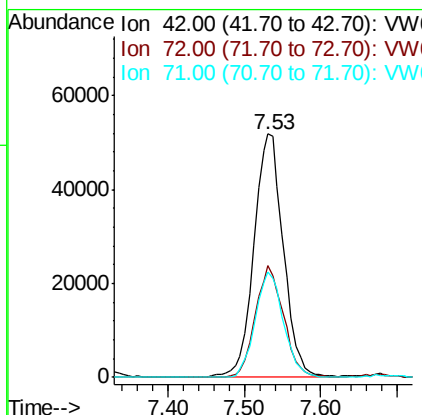
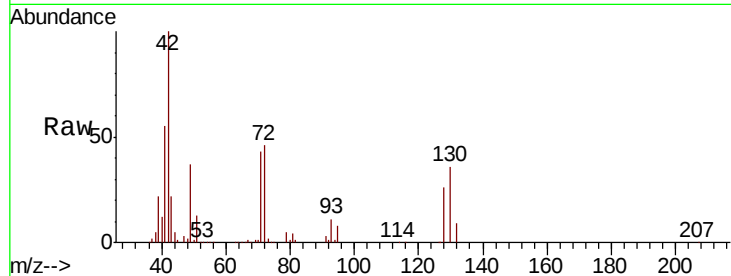
#29
Tetrahydrofuran
Concen: 255.583 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	33.9	50.9
71	41.8	31.9	47.9

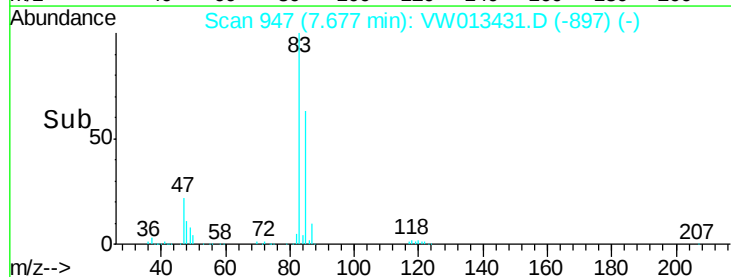
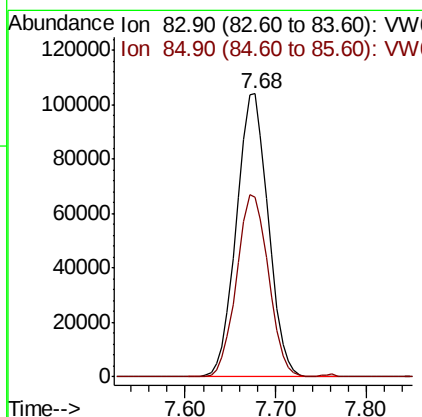
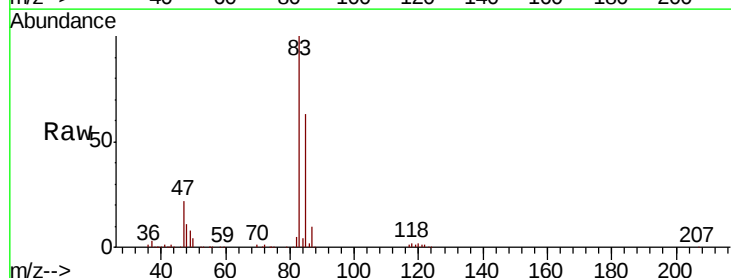
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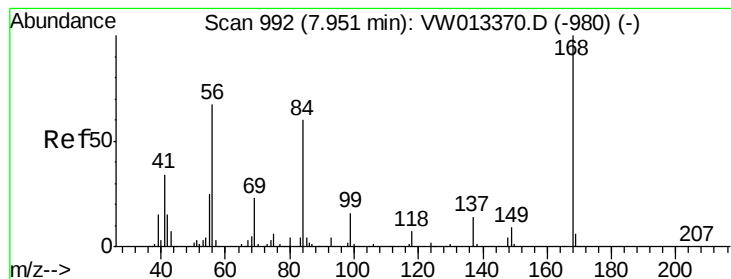
MMDadoda
10/9/2019 11:48:06 AM



#30
Chloroform
Concen: 50.501 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.3	78.5





#31

Cyclohexane

Concen: 50.773 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

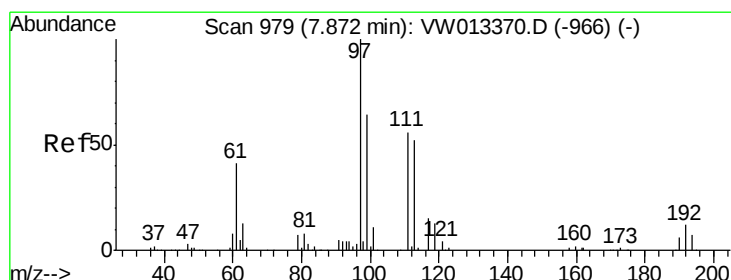
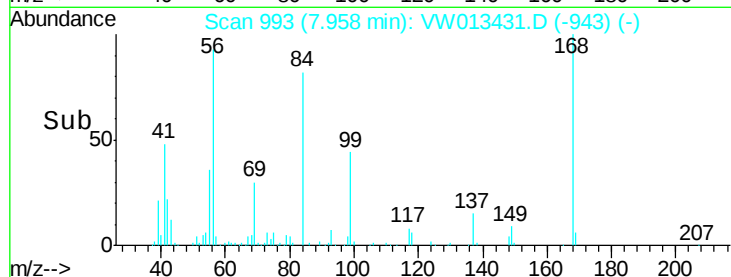
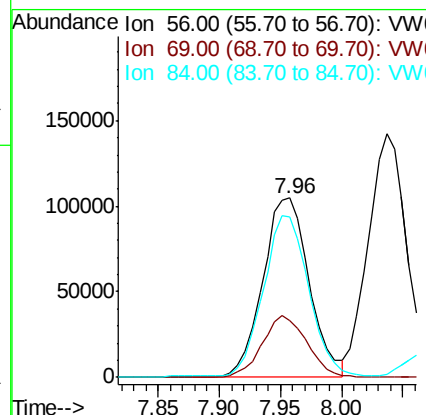
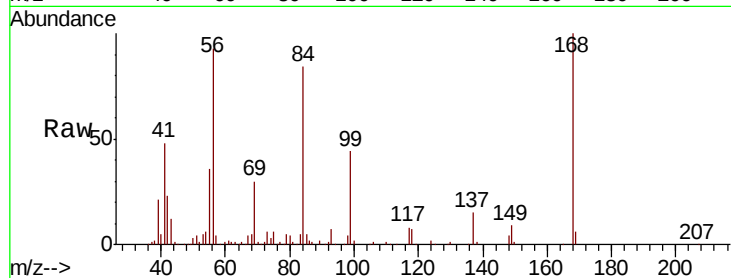
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	276750
Ion Ratio	Lower	Upper	
56	100		
69	31.7	27.2	40.8
84	88.4	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.431 ug/l

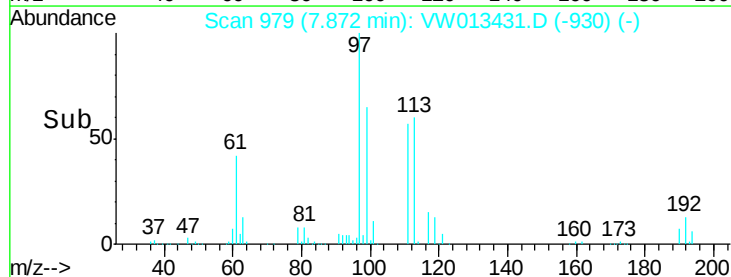
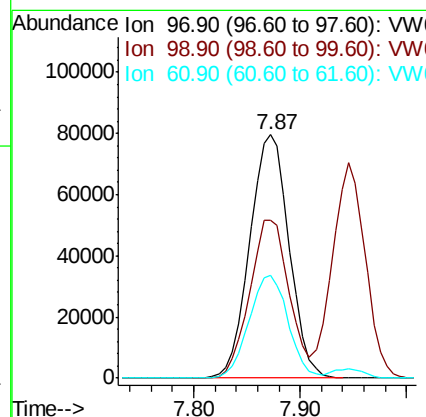
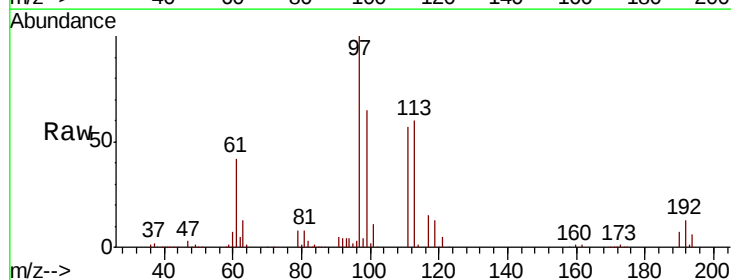
RT: 7.87 min Scan# 979

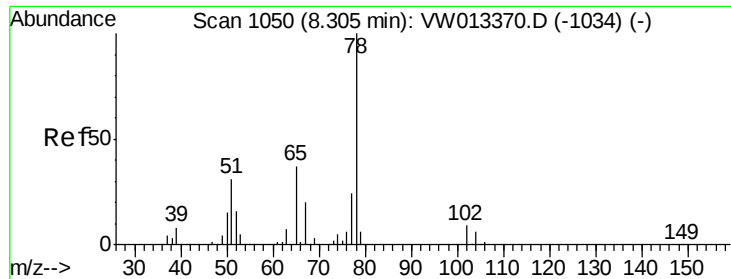
Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion:	97	Resp:	205861
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.7	77.5
61	42.2	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 54.403 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 129616

Ion Ratio Lower Upper

65 100

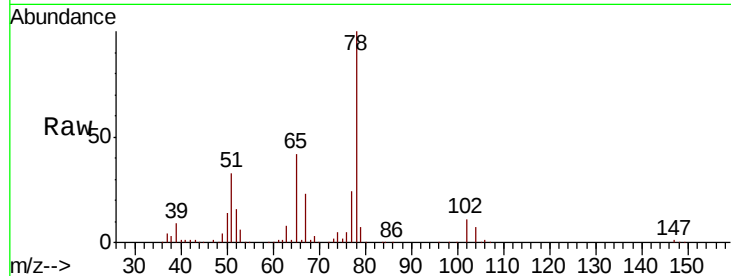
67 53.3 0.0 106.2

Manual Integrations

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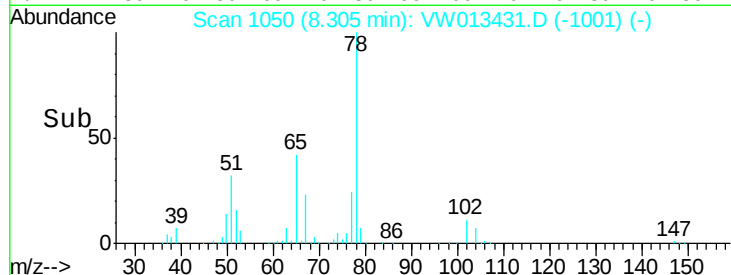
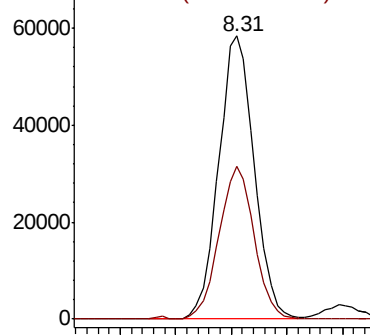
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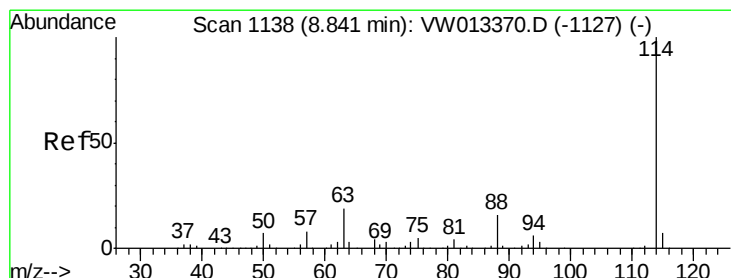


Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

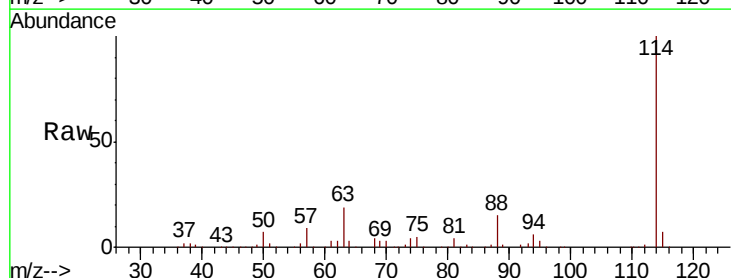
Tgt Ion: 114 Resp: 448472

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

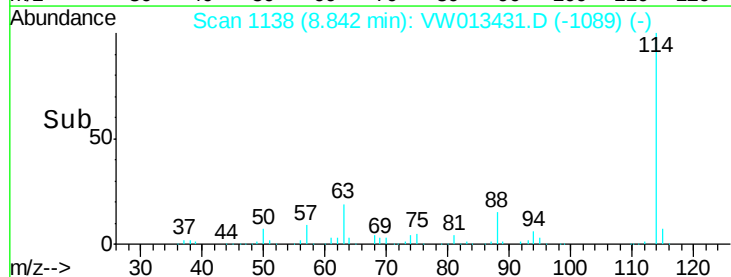
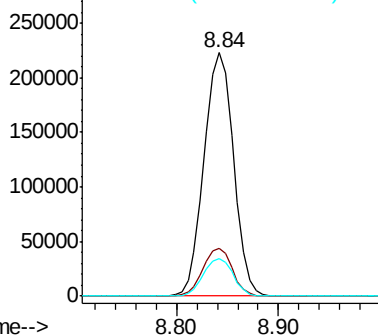
88 15.4 0.0 32.0



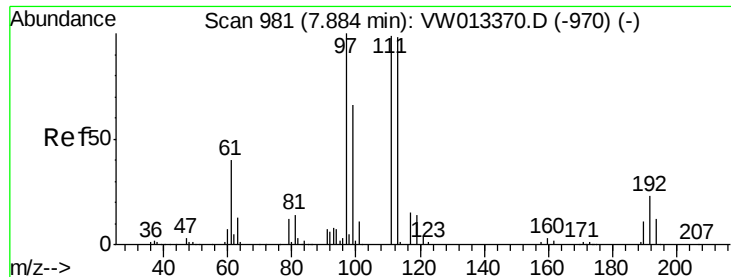
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



Time-->



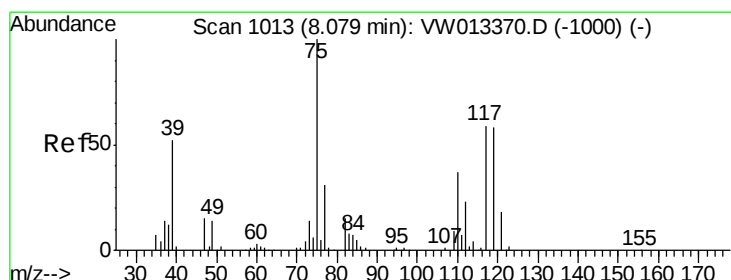
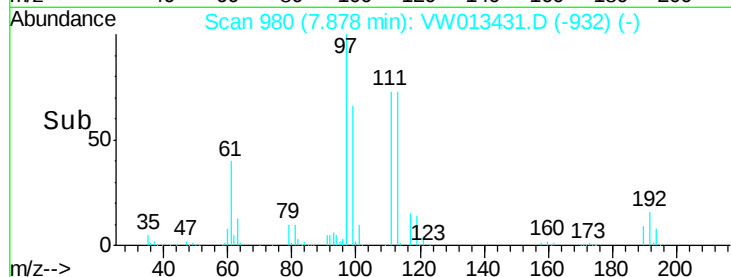
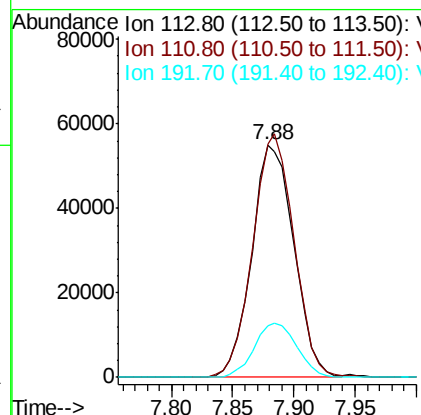
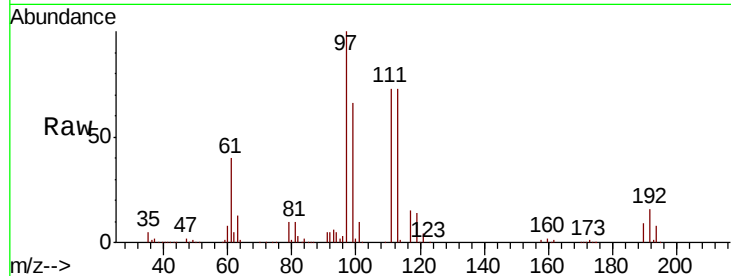
#35
 Dibromofluoromethane
 Concen: 56.119 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132062		
111	103.0	81.9	122.9	
192	23.6	19.1	28.7	

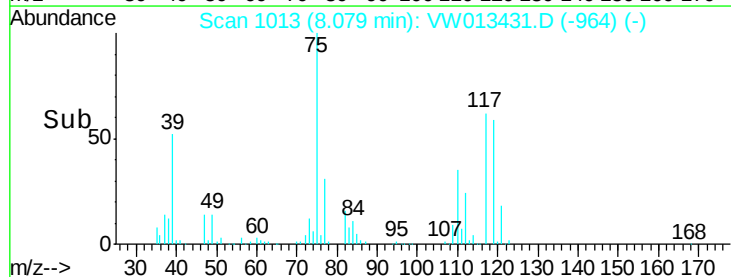
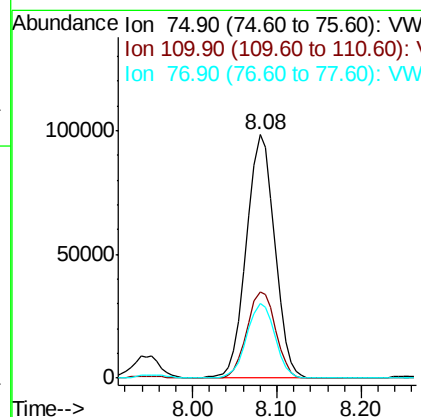
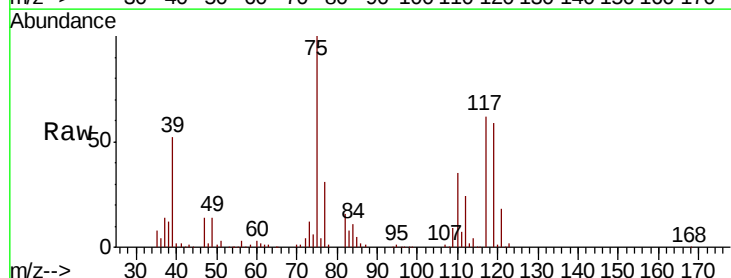
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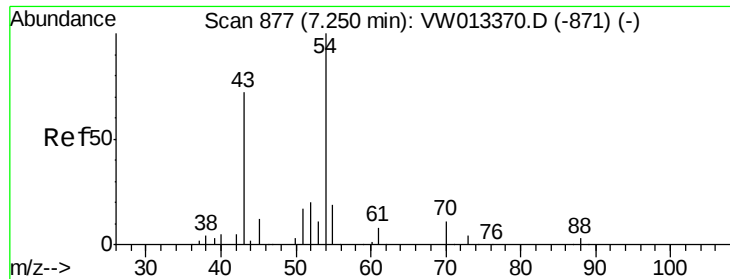
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#36
 1,1-Dichloropropene
 Concen: 53.507 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	222879		
110	35.9	18.1	54.3	
77	30.7	25.8	38.6	





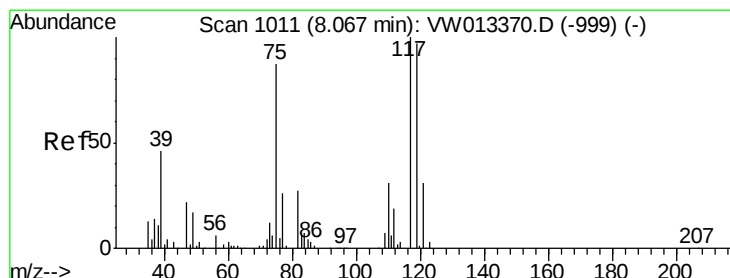
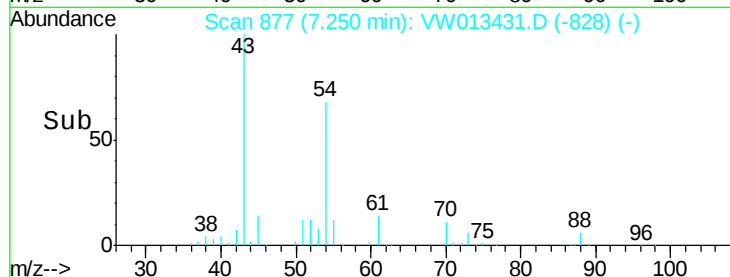
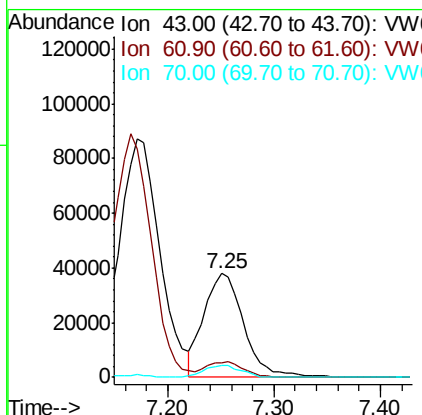
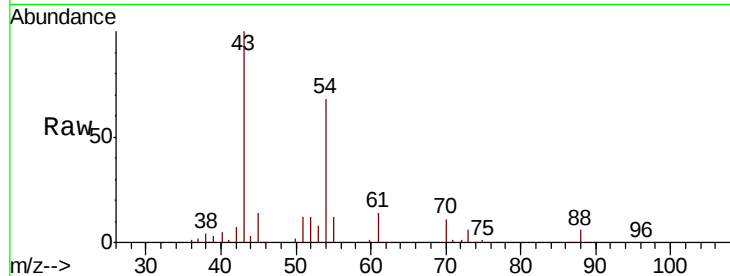
#37
Ethyl Acetate
Concen: 52.605 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	11.3	8.2	12.2

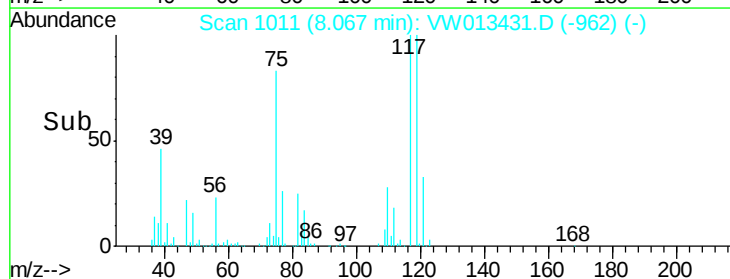
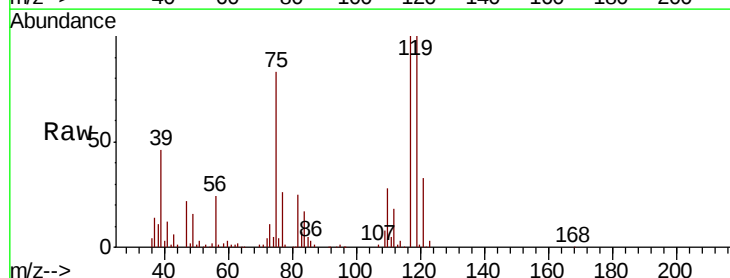
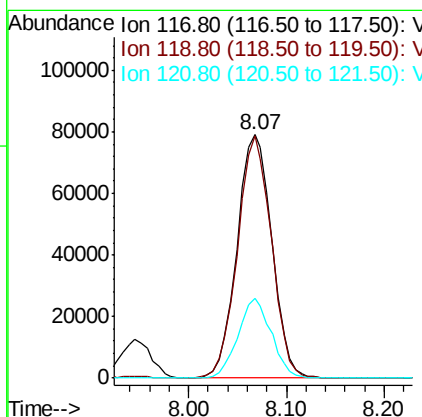
Manual Integrations
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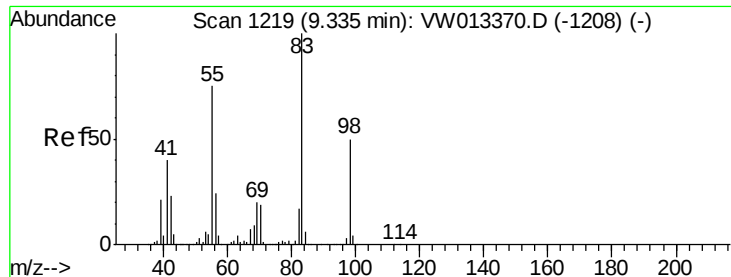
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#38
Carbon Tetrachloride
Concen: 54.298 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	73.5	110.3
121	32.9	25.0	37.6





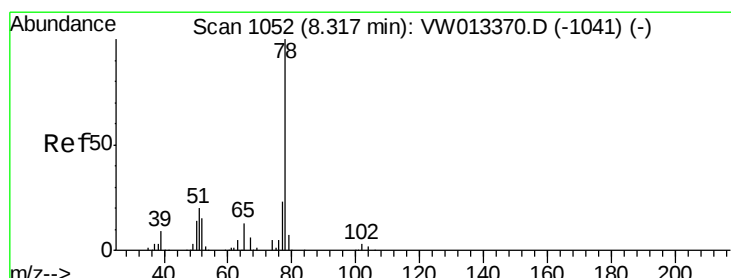
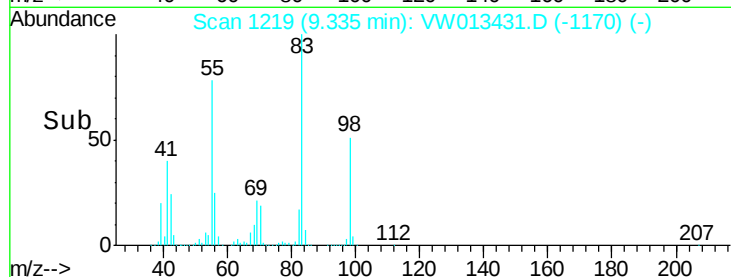
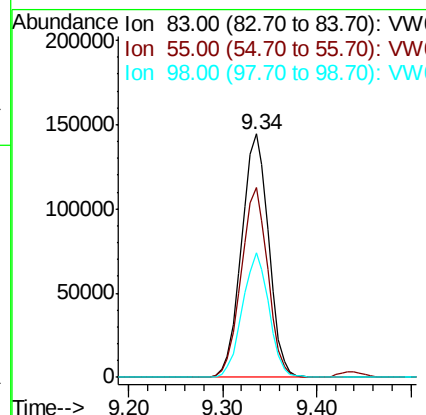
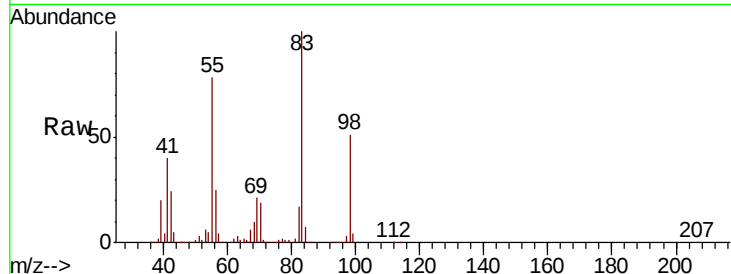
#39
Methvlcvclohexane
Concen: 52.849 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	289917		
55	78.0		60.4	90.6
98	51.3		40.0	60.0

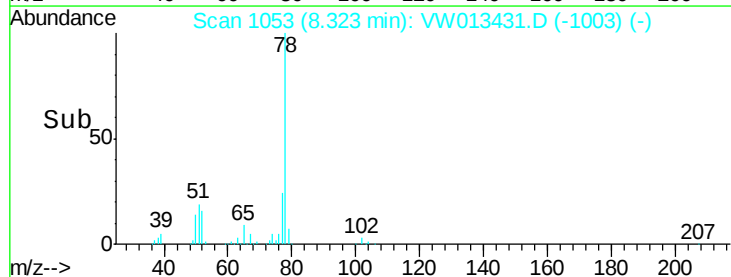
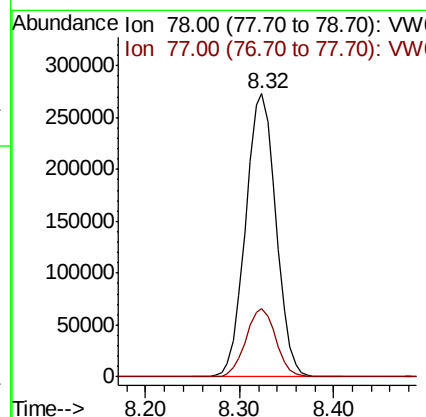
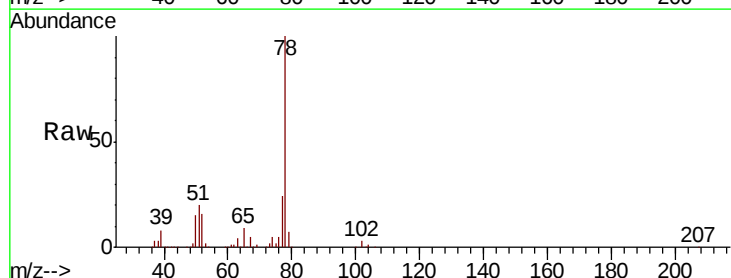
Manual Integrations
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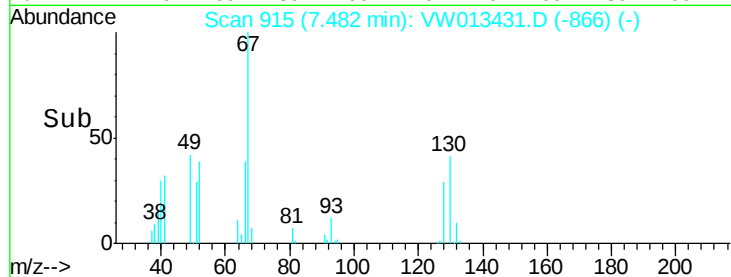
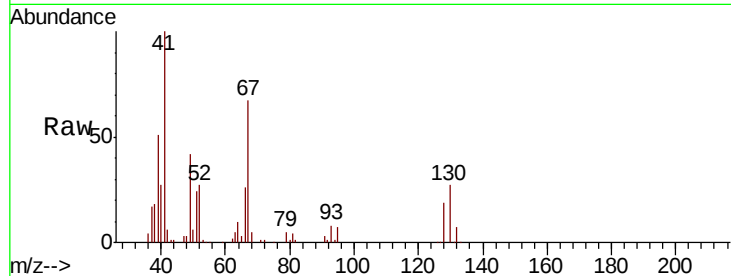
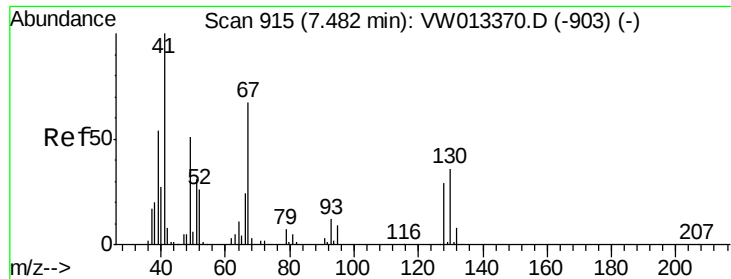
MMDadoda
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#40
Benzene
Concen: 52.307 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	616780		
77	24.1		19.1	28.7





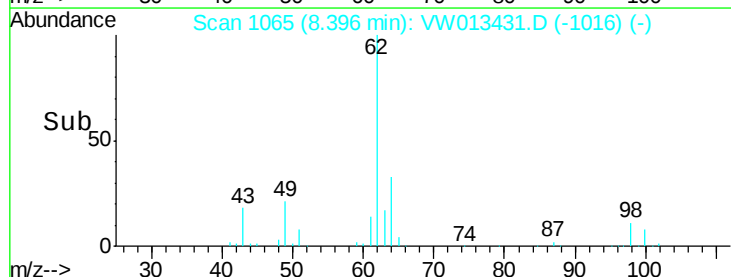
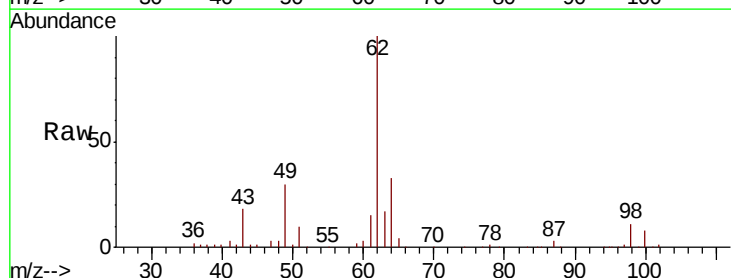
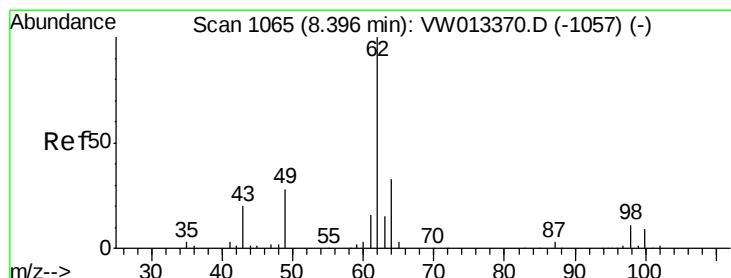
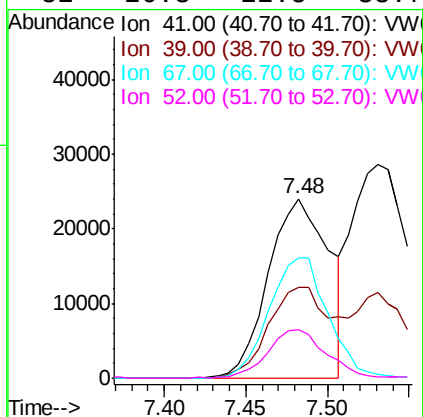
#41
Methacrylonitrile
Concen: 55.883 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	55.4	45.9	68.9
67	67	65.9	54.5	81.7
52	52	26.3	22.5	33.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

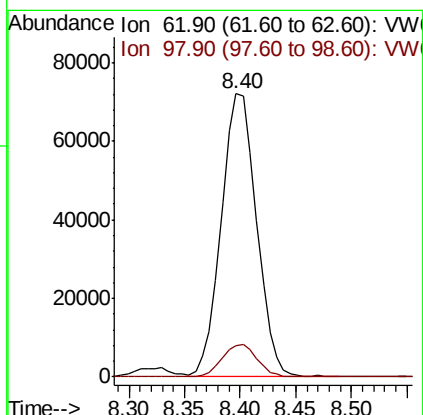
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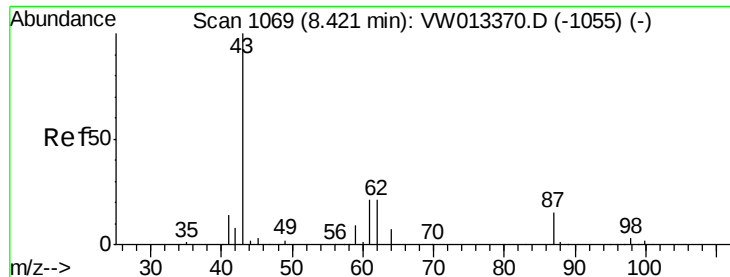
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.348 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	11.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 54.088 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

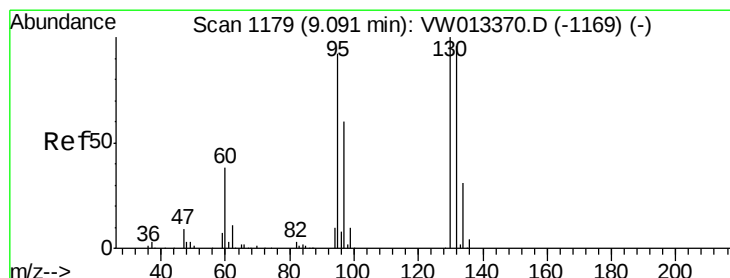
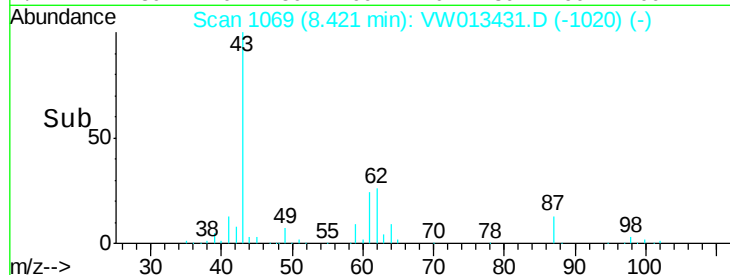
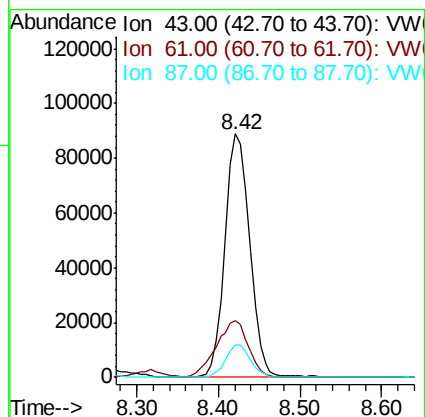
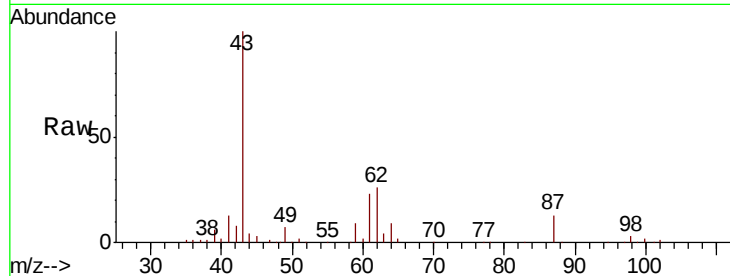
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	187146
Ion	Ratio	Lower	Upper
43	100		
61	30.0	25.5	38.3
87	13.2	11.0	16.4

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#44

Trichloroethene

Concen: 52.590 ug/l

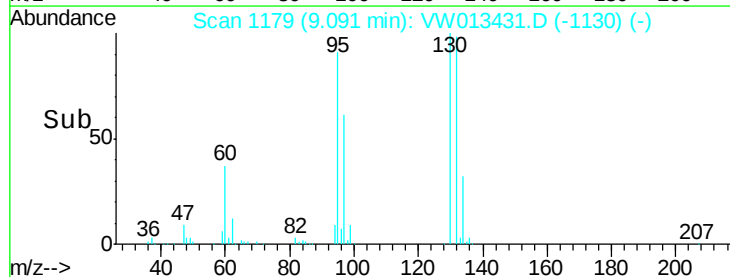
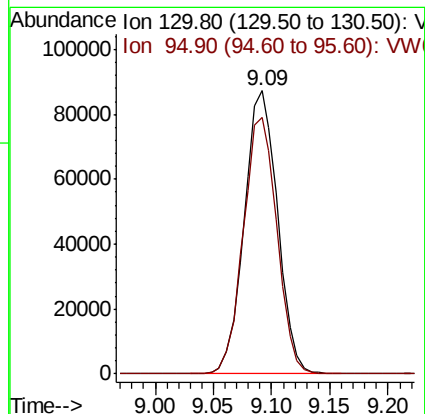
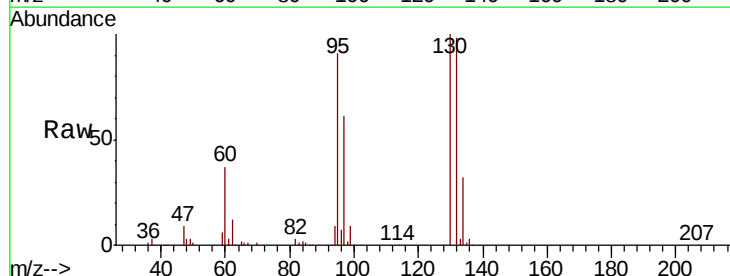
RT: 9.09 min Scan# 1179

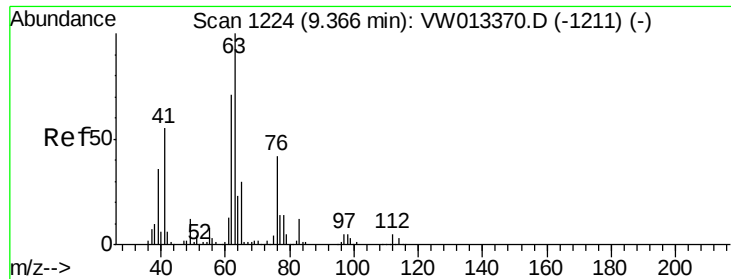
Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion:	130	Resp:	174625
Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	188.0





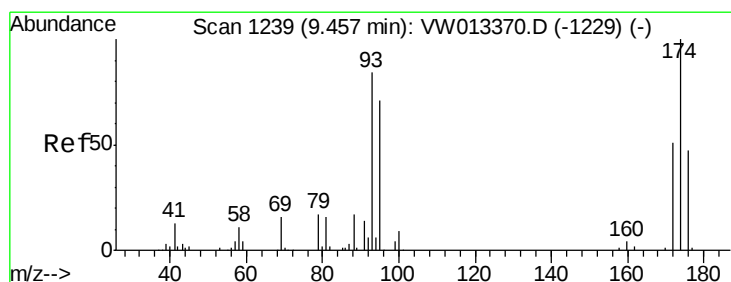
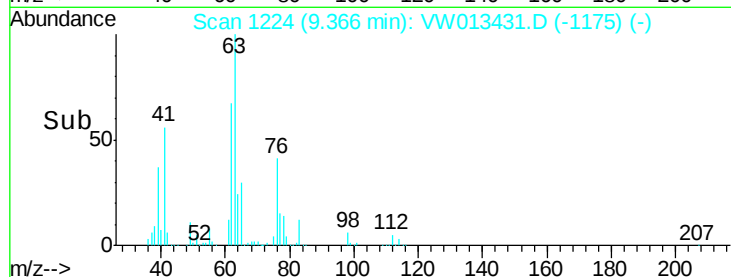
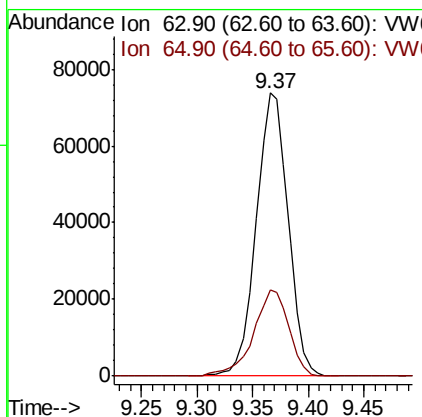
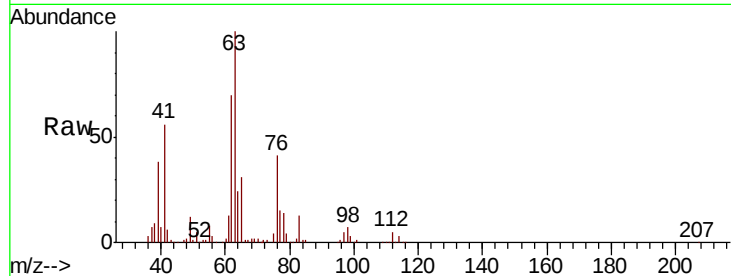
#45
 1,2-Dichloropropane
 Concen: 52.143 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 147622
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.3 37.9

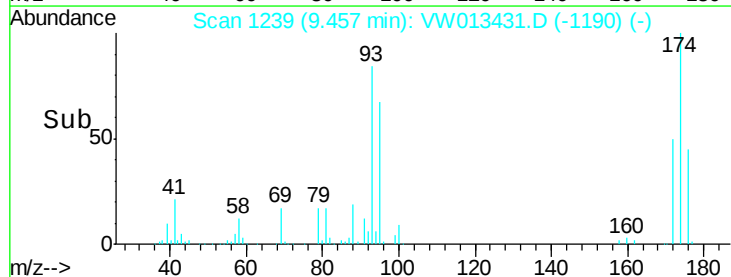
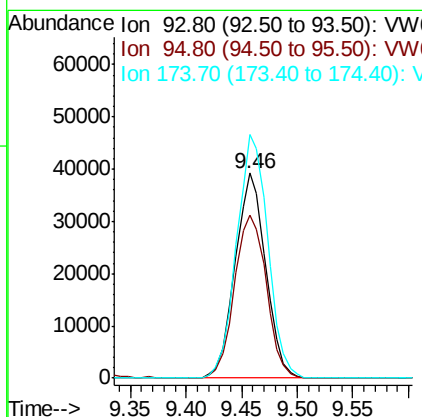
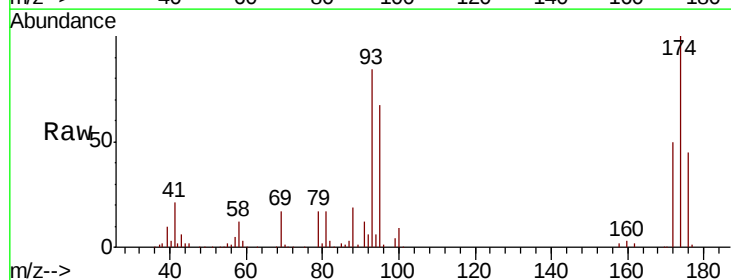
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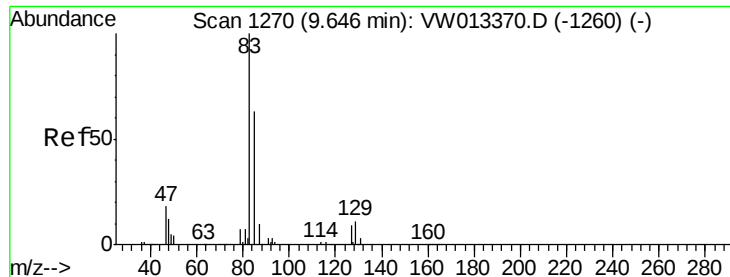
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#46
 Dibromomethane
 Concen: 52.873 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion: 93 Resp: 74559
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.4 99.6
 174 121.3 93.0 139.6





#47

Bromodichloromethane

Concen: 53.575 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

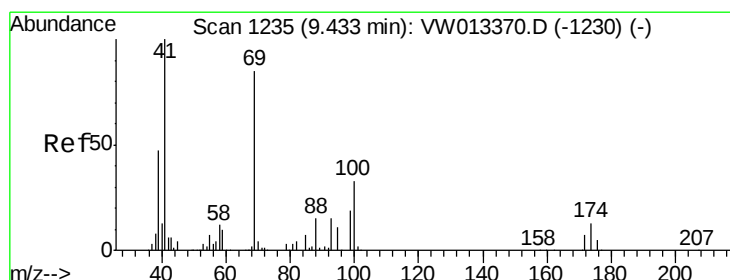
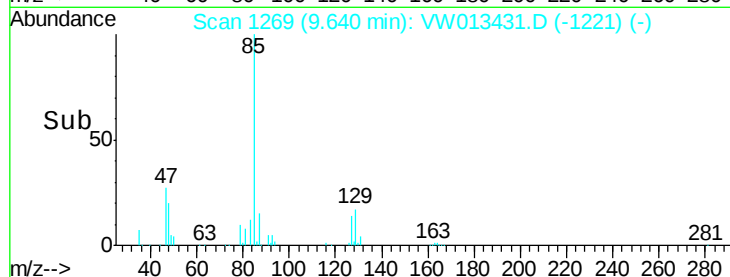
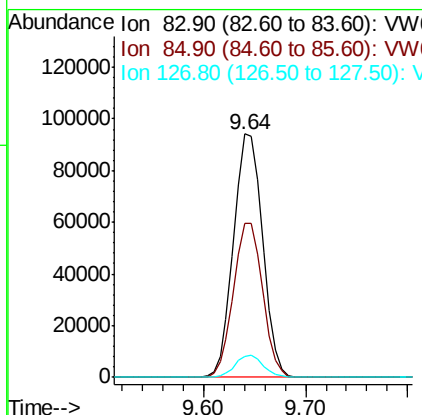
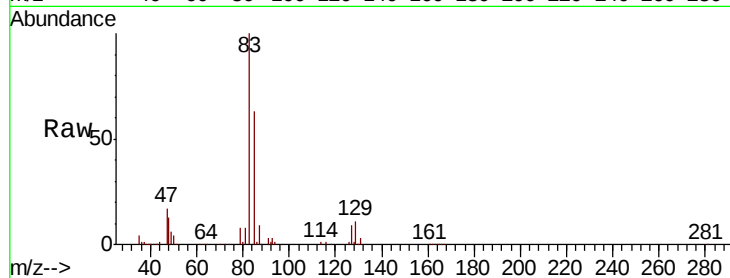
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	185982
Ion Ratio		Lower	Upper
83	100		
85	63.2	49.4	74.2
127	8.8	6.5	9.7

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#48

Methyl methacrylate

Concen: 55.849 ug/l

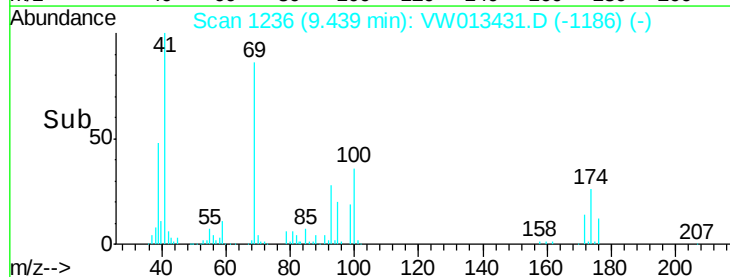
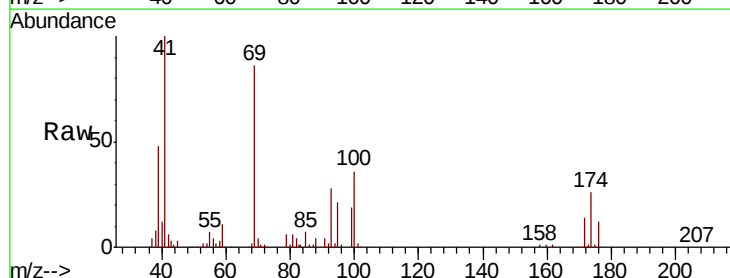
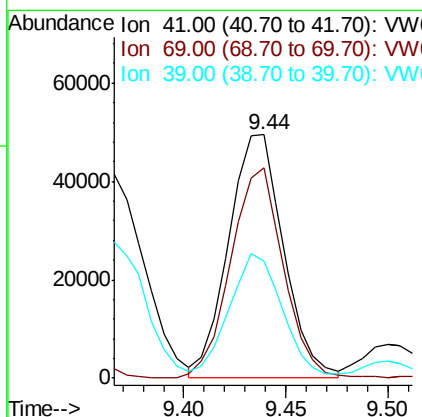
RT: 9.44 min Scan# 1236

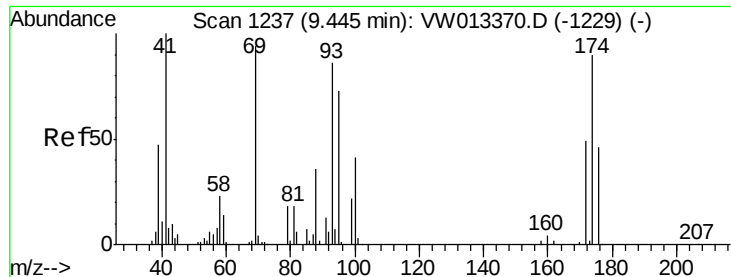
Delta R.T. 0.01 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion:	41	Resp:	92849
Ion Ratio		Lower	Upper
41	100		
69	82.5	69.7	104.5
39	46.3	41.1	61.7





#49

1,4-Dioxane

Concen: 1279.004 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

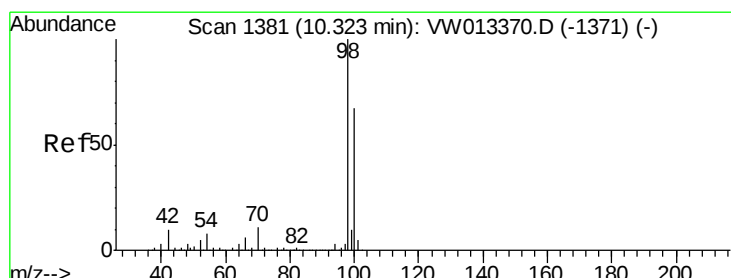
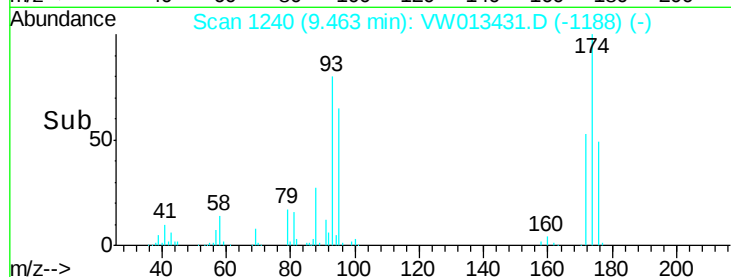
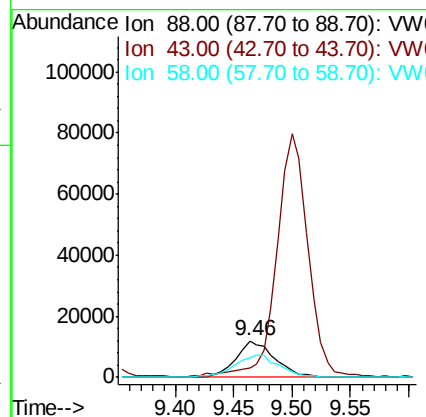
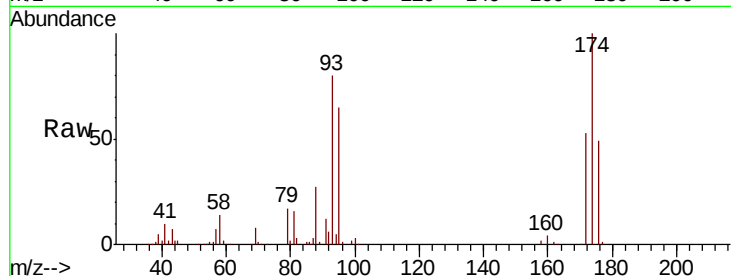
ClientSampleId :

VSTDCCC050

Tot Ion	88	Resp	27687
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.4	65.4	98.0

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#50

Toluene-d8

Concen: 56.836 ug/l

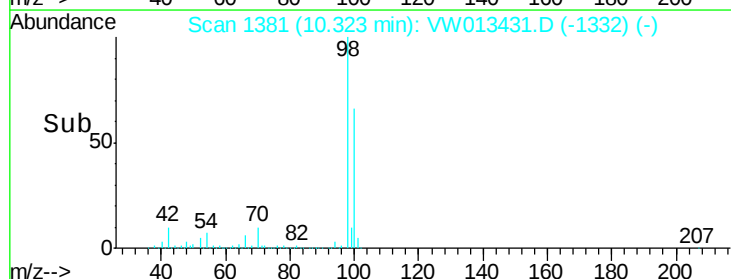
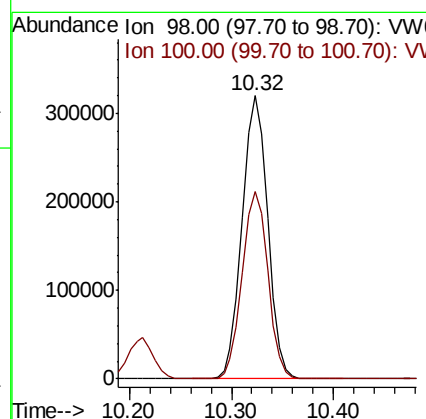
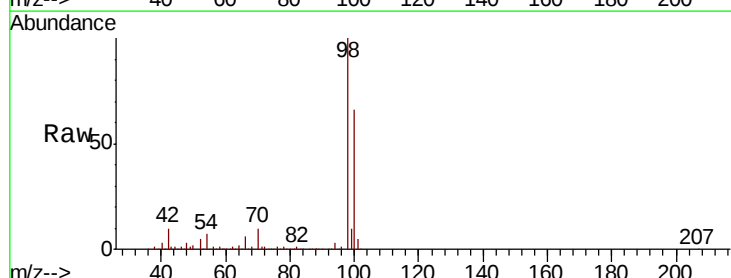
RT: 10.32 min Scan# 1381

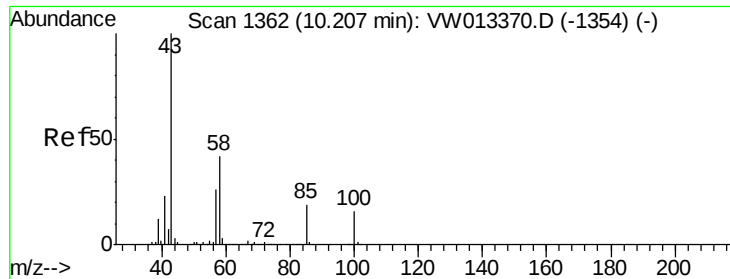
Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion	98	Resp	555030
Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 257.990 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 468995

Ion Ratio Lower Upper

43 100

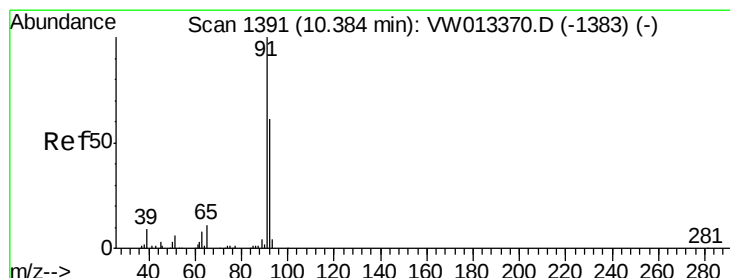
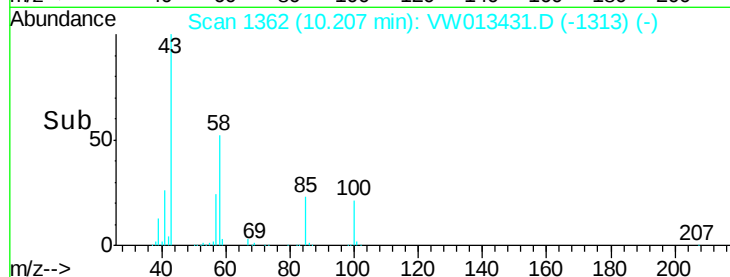
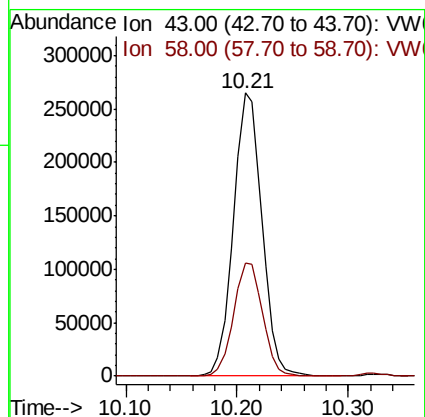
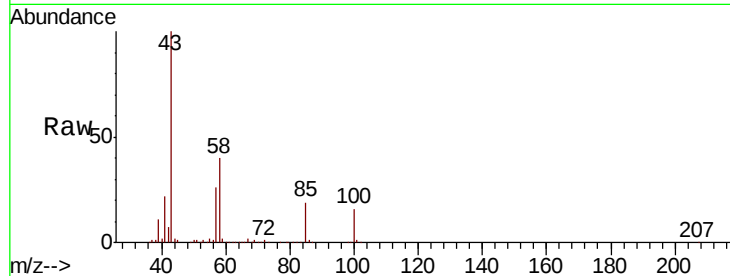
58 40.6 31.7 47.5

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#52

Toluene

Concen: 52.547 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013431.D

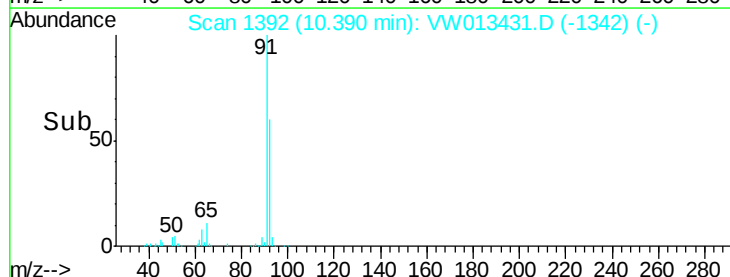
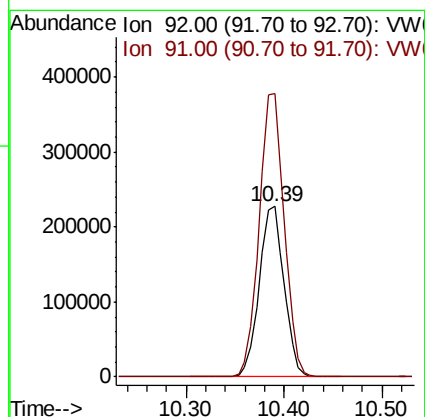
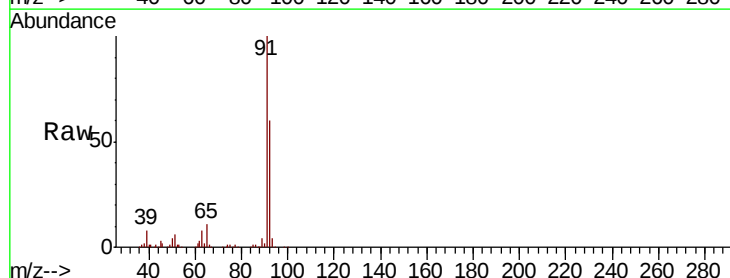
Acq: 04 Oct 2019 10:42

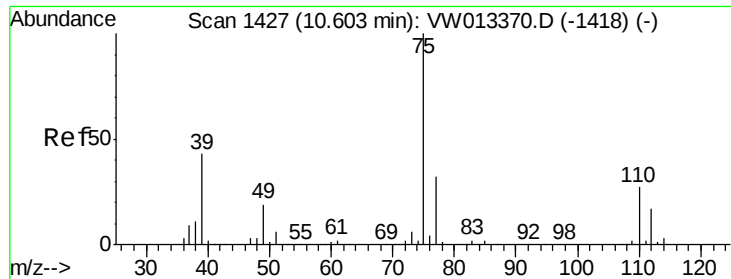
Tgt Ion: 92 Resp: 399647

Ion Ratio Lower Upper

92 100

91 168.4 135.7 203.5





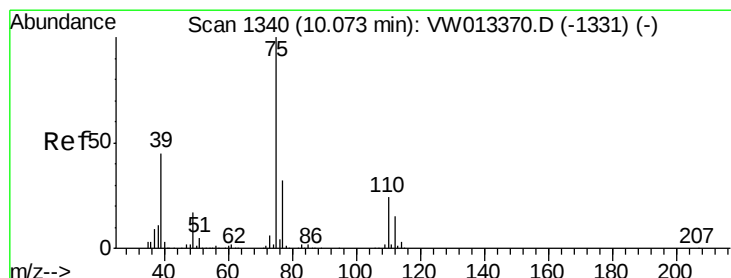
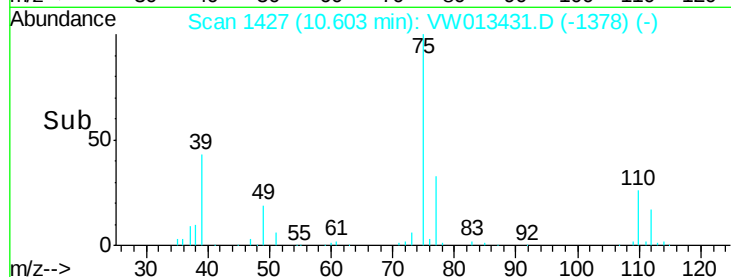
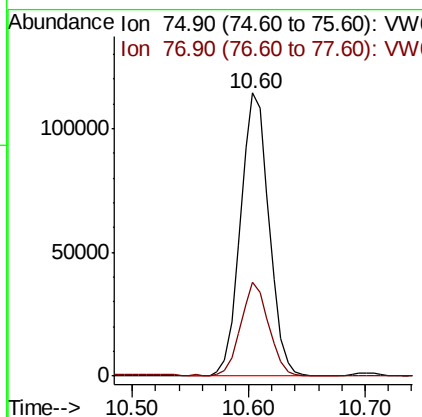
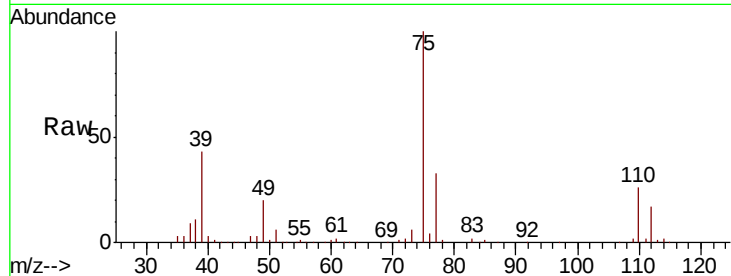
#53
t-1,3-Dichloropropene
Concen: 54.172 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.5	38.3

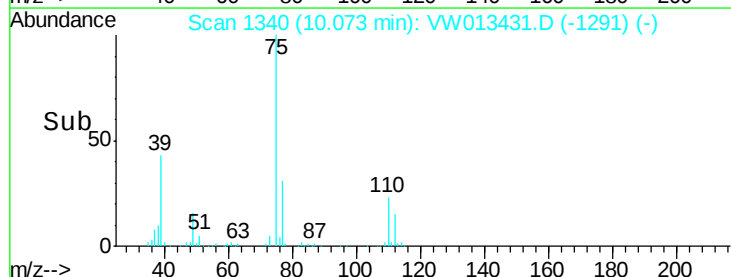
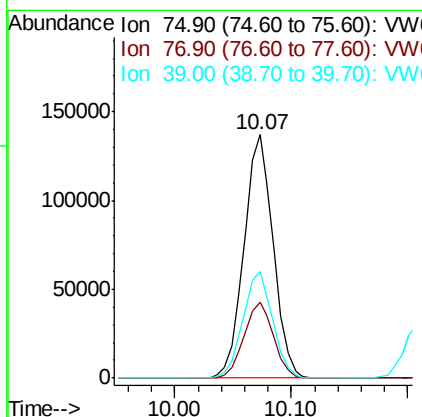
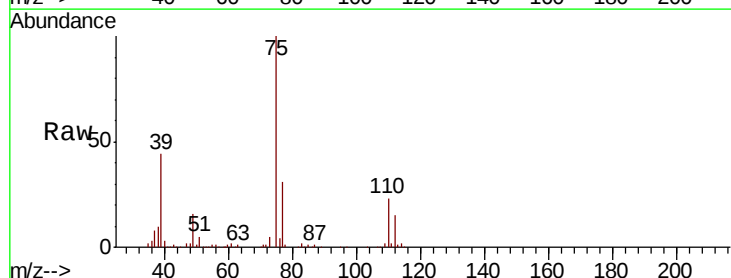
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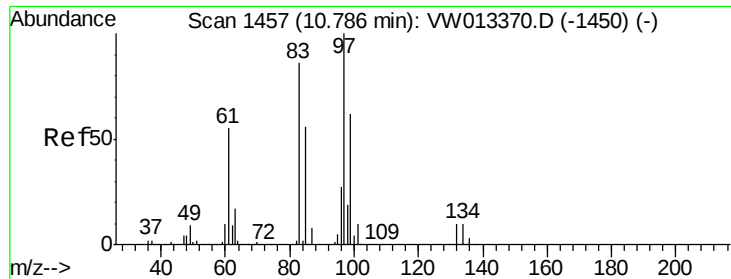
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#54
cis-1,3-Dichloropropene
Concen: 54.568 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8
39	43.6	36.6	55.0





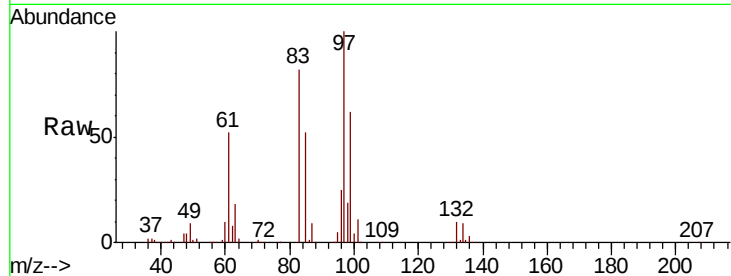
#55
 1,1,2-Trichloroethane
 Concen: 52.150 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

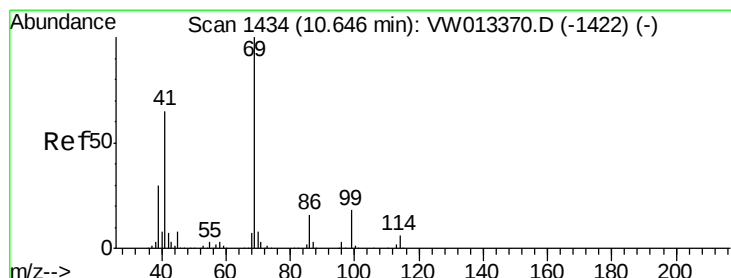
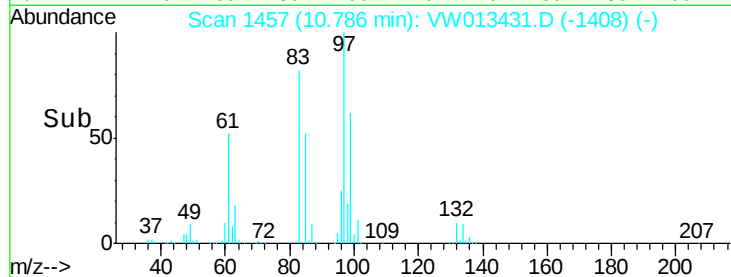
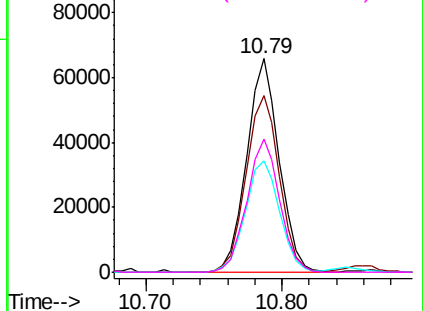
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		109704		
83	82.5	67.6	101.4		
85	52.3	41.9	62.9		
99	62.5	50.1	75.1		

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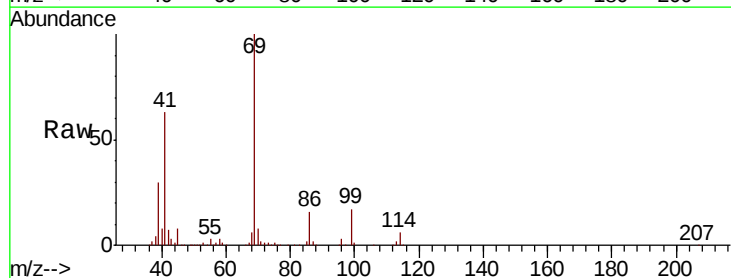


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

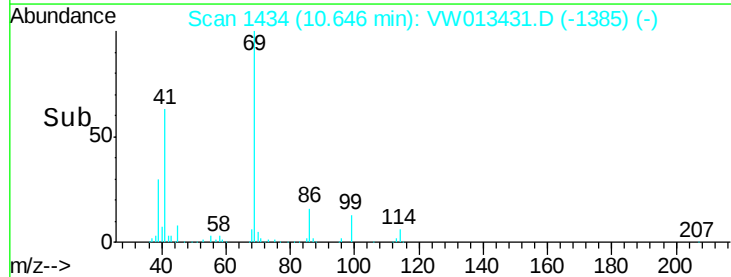
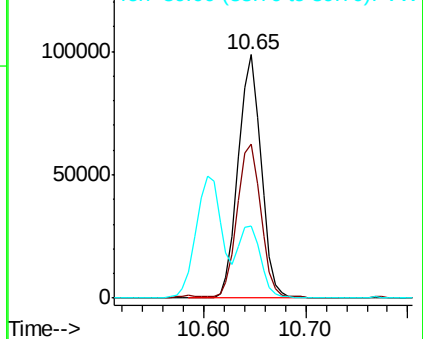


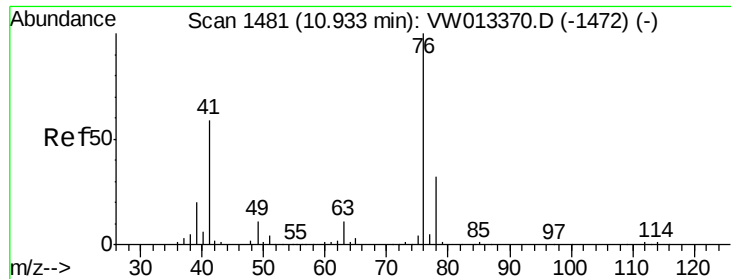
#56
 Ethyl methacrylate
 Concen: 54.310 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		153777		
41	64.8	53.9	80.9		
39	28.1	23.8	35.6		



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 52.575 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 192270

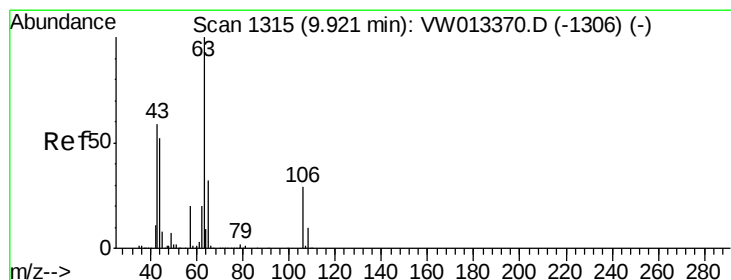
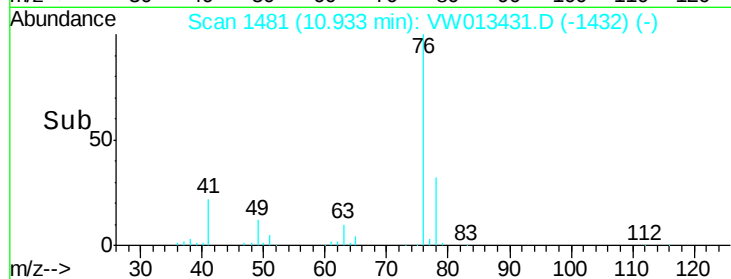
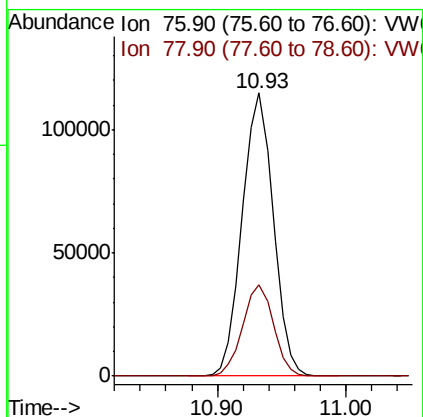
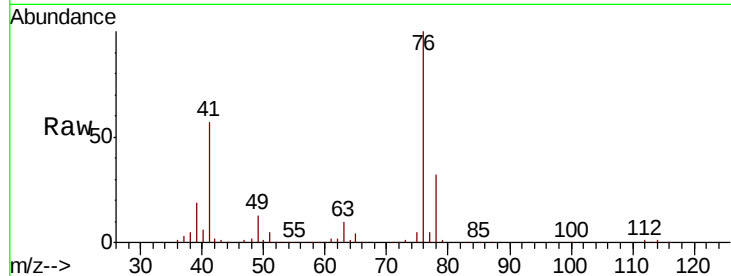
Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 285.794 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013431.D

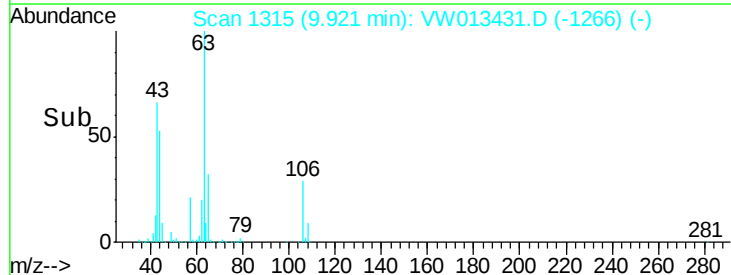
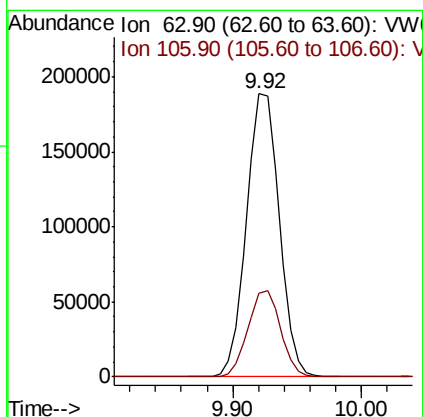
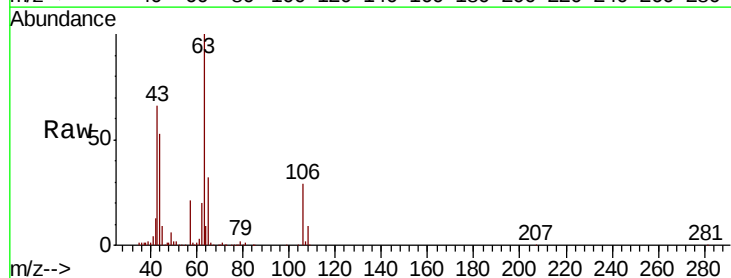
Acq: 04 Oct 2019 10:42

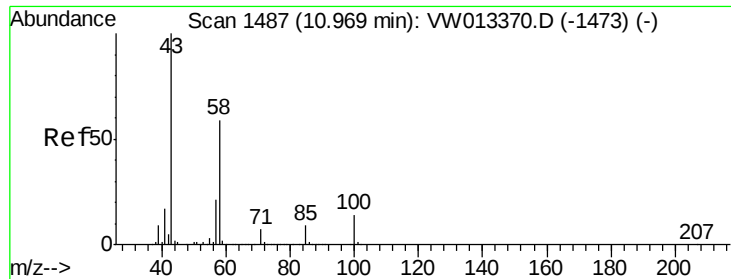
Tgt Ion: 63 Resp: 332408

Ion Ratio Lower Upper

63 100

106 30.0 23.4 35.0





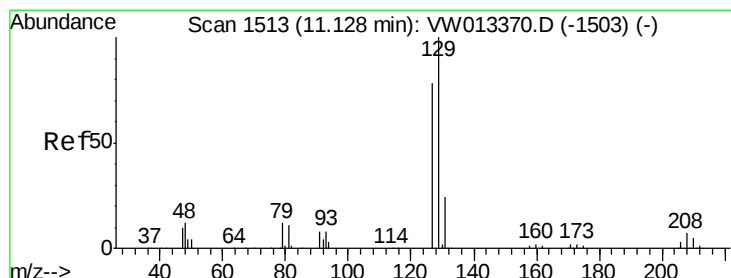
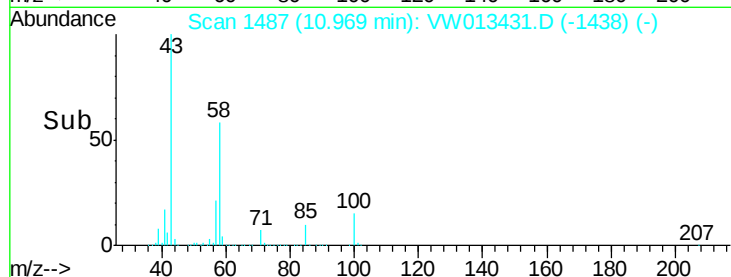
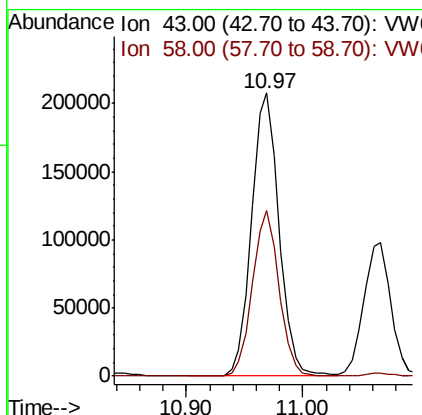
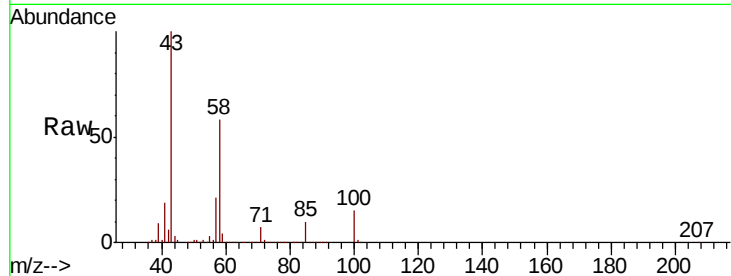
#59
2-Hexanone
Concen: 270.938 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	341389
Ion Ratio	43	100	
Lower	58	56.7	28.1
Upper			84.2

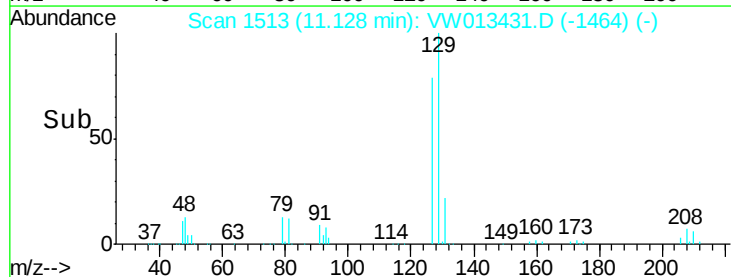
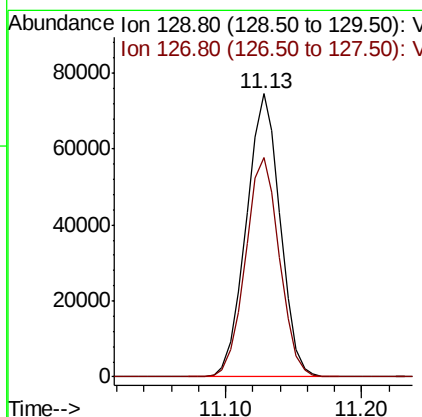
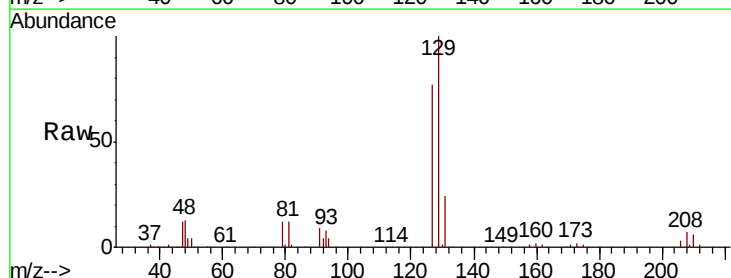
Manual Integrations
APPROVED

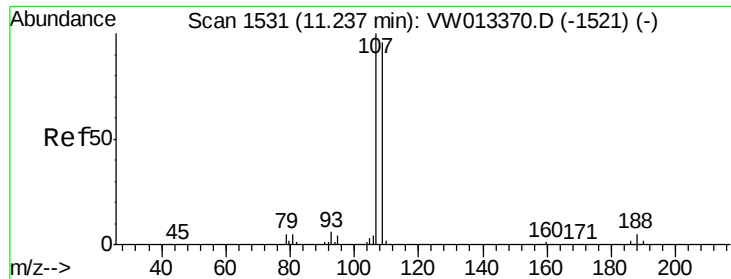
MMDadoda
10/9/2019 11:48:06 AM



#60
Dibromochloromethane
Concen: 53.921 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	129	Resp	129765
Ion Ratio	129	100	
Lower	127	77.7	38.8
Upper			116.4





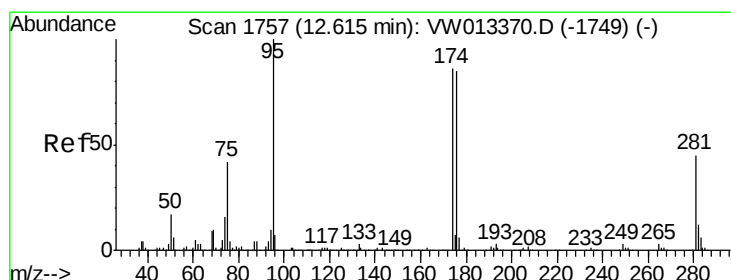
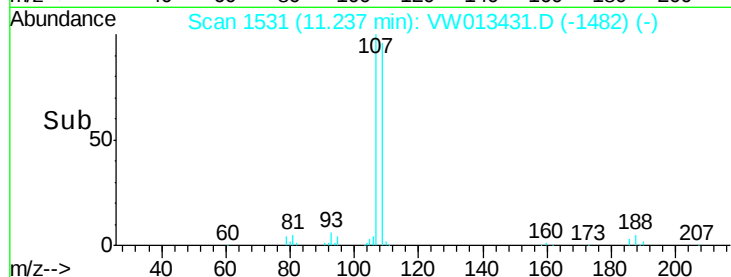
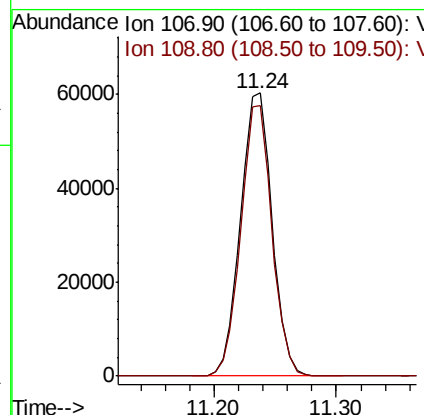
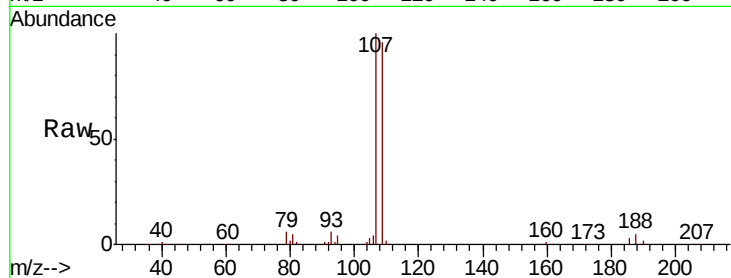
#61
 1,2-Dibromoethane
 Concen: 52.979 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.2	112.8

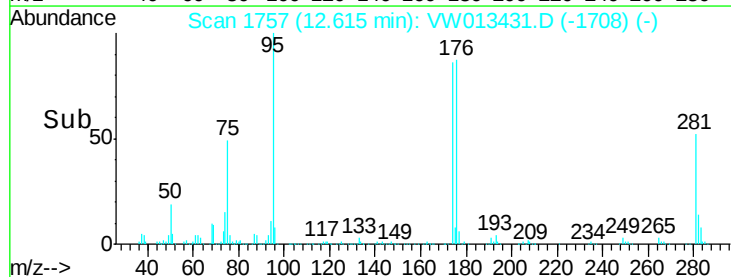
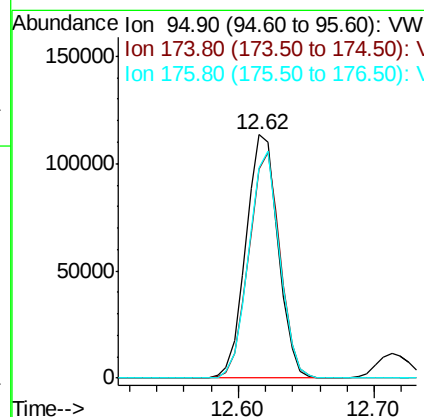
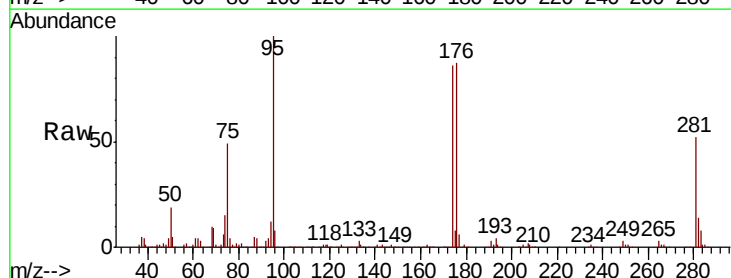
Manual Integrations
 APPROVED

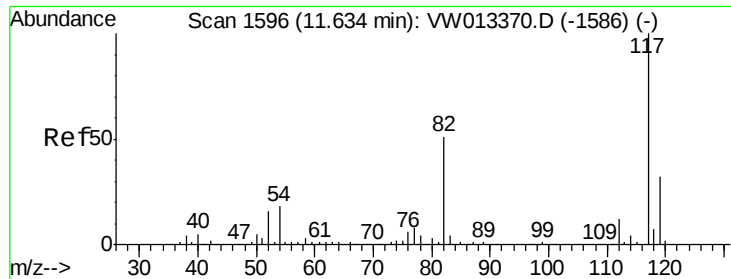
MMDadoda
 10/9/2019 11:48:06 AM



#62
 4-Bromofluorobenzene
 Concen: 57.512 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	178.4
176	89.8	0.0	172.2





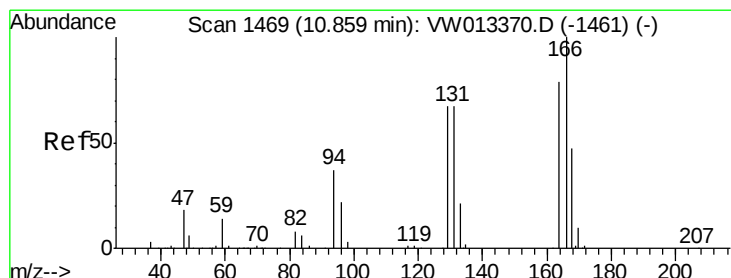
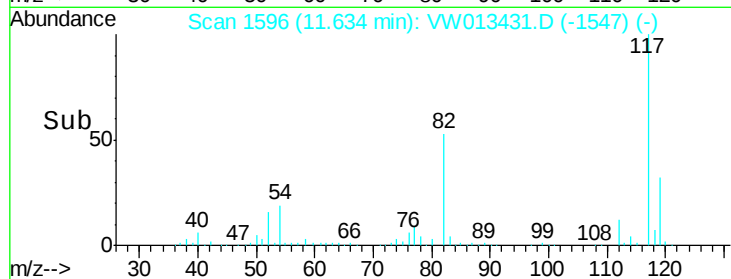
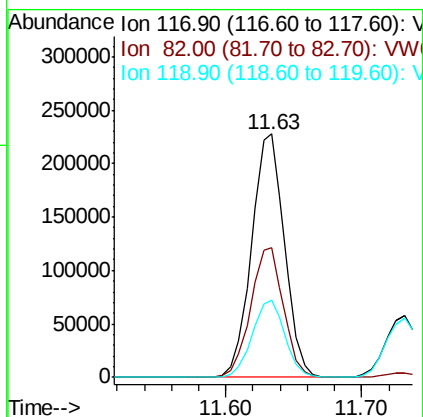
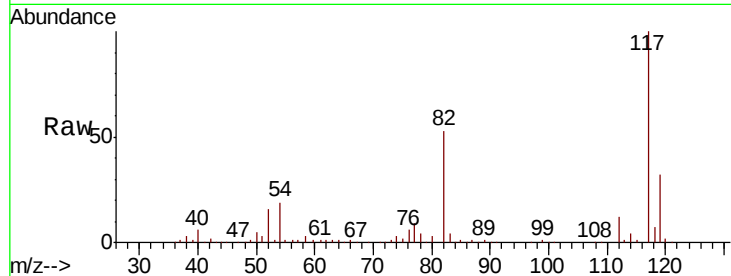
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.9	68.9
119	31.5	26.2	39.2

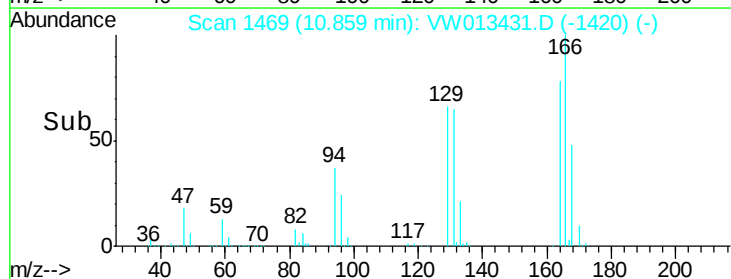
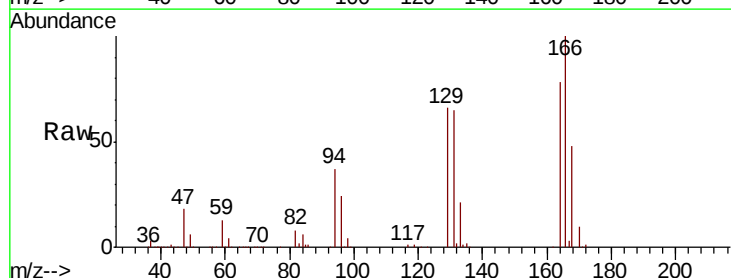
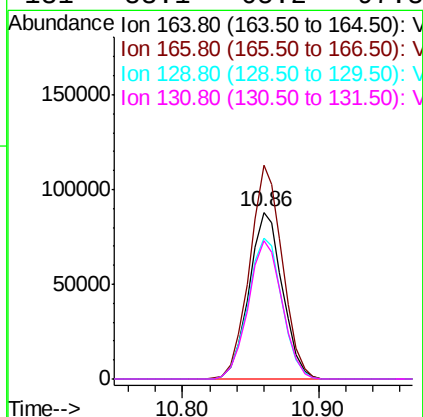
Manual Integrations
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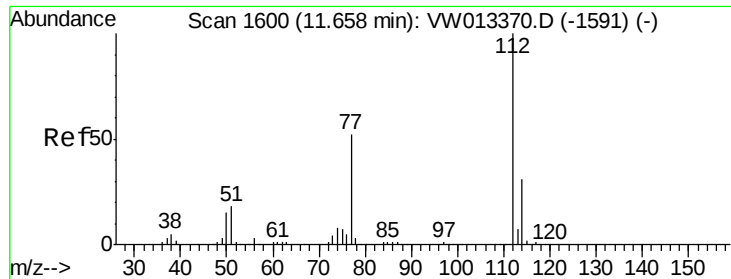
MMDadoda
10/9/2019 11:48:06 AM



#64
Tetrachloroethene
Concen: 51.458 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.2	151.8
129	84.4	68.8	103.2
131	83.1	65.2	97.8





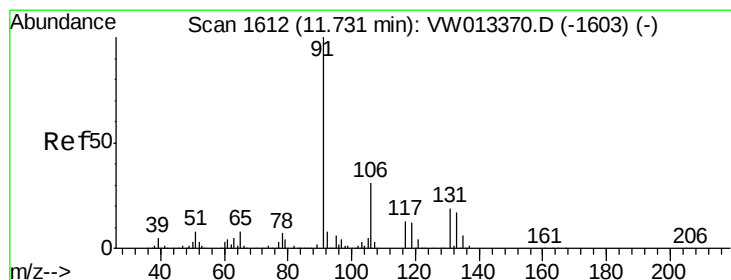
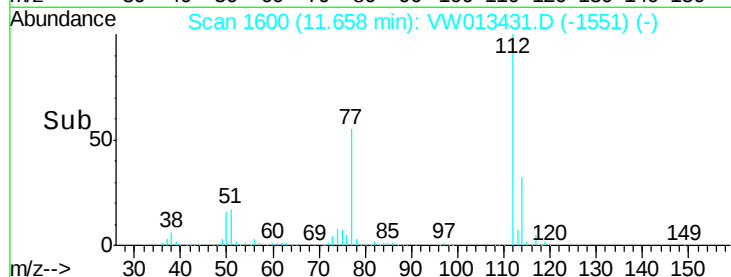
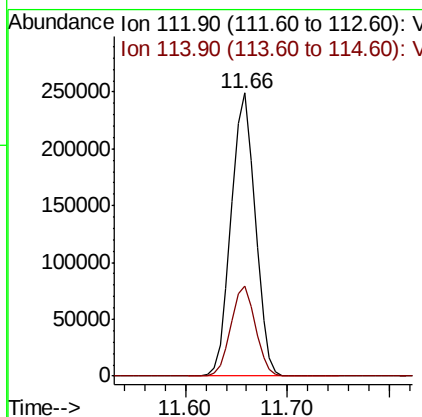
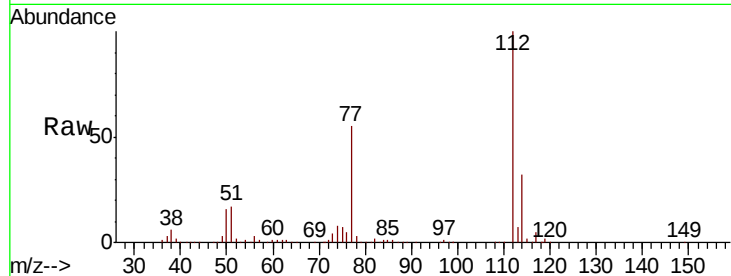
#65
Chlorobenzene
Concen: 51.487 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 406919
Ion Ratio Lower Upper
112 100
114 31.8 26.5 39.7

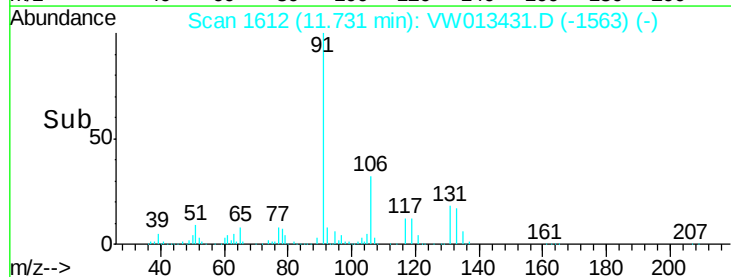
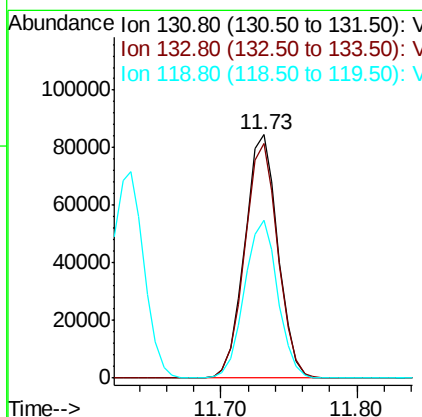
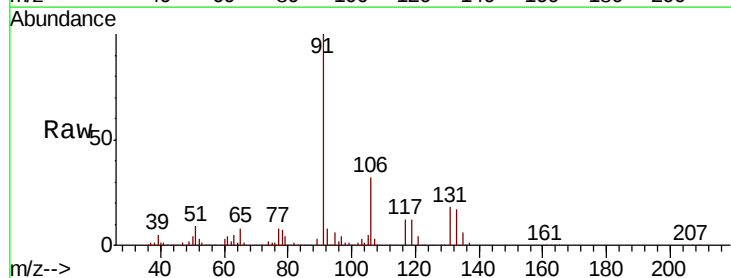
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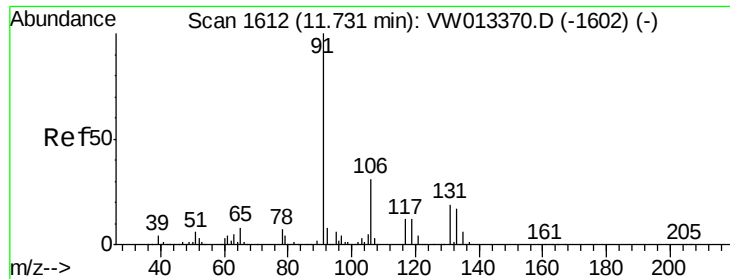
MMDadoda
10/9/2019 11:48:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.626 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion:131 Resp: 144353
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.6
119 65.0 32.5 97.5





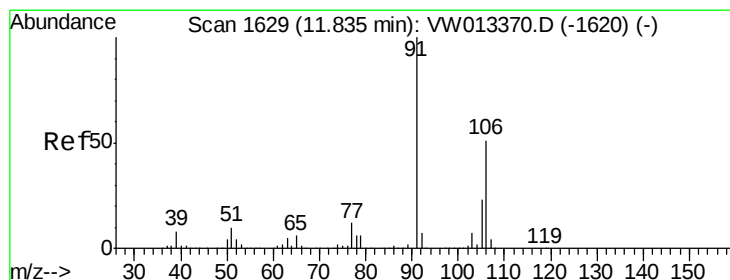
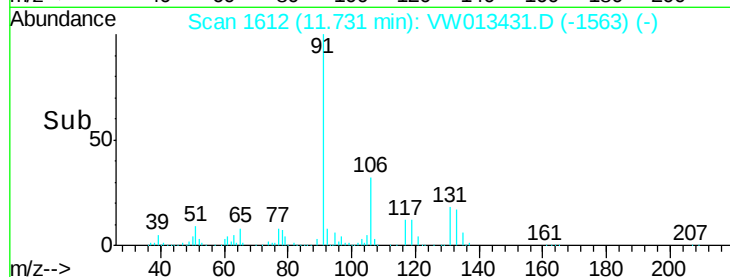
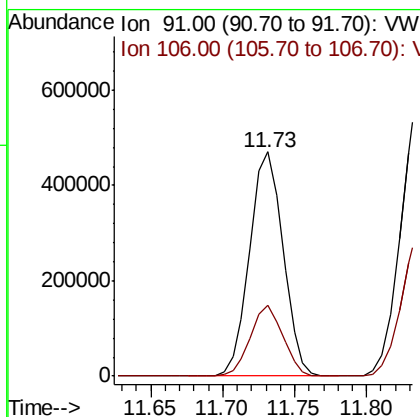
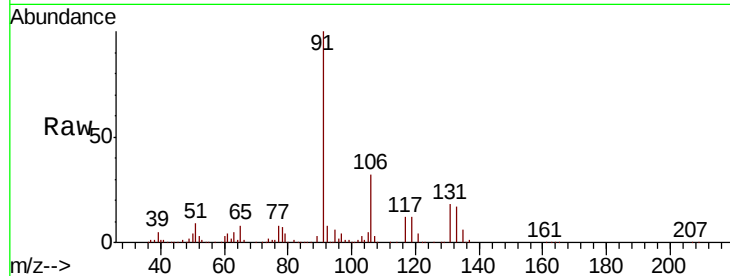
#67
Ethyl Benzene
Concen: 53.387 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 756212
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3

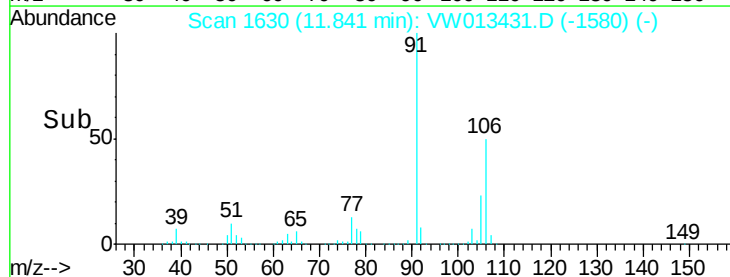
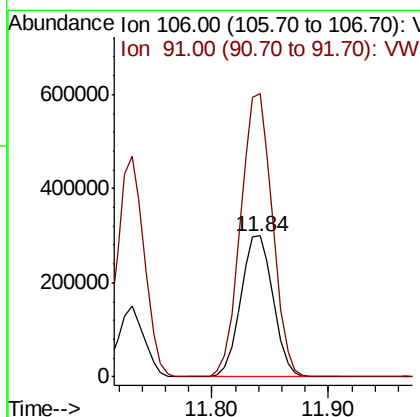
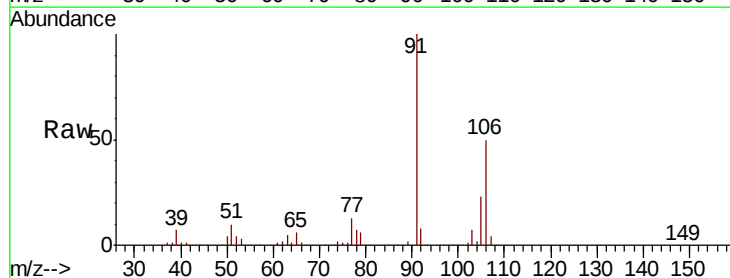
Manual Integrations
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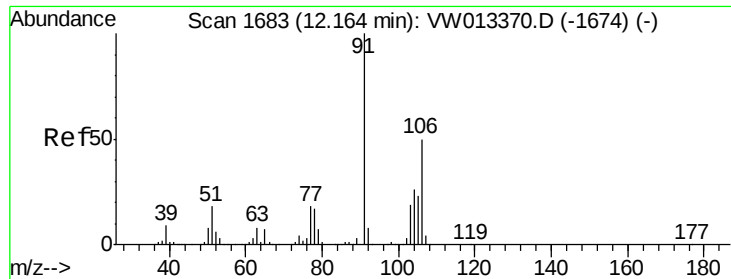
MMDadoda
10/9/2019 11:48:06 AM



#68
m/p-Xylenes
Concen: 105.924 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion: 106 Resp: 579129
Ion Ratio Lower Upper
106 100
91 198.3 157.9 236.9





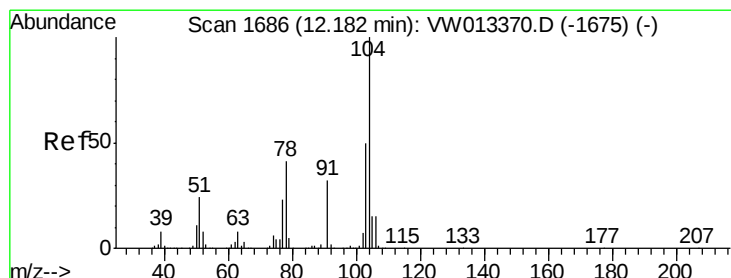
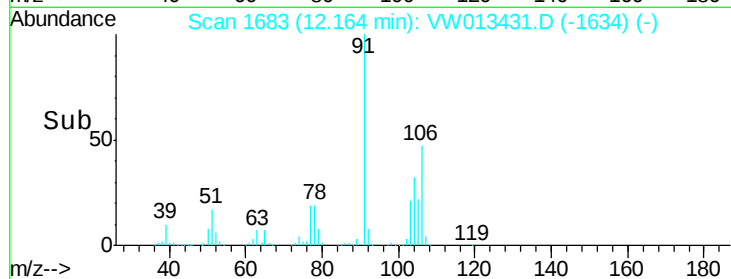
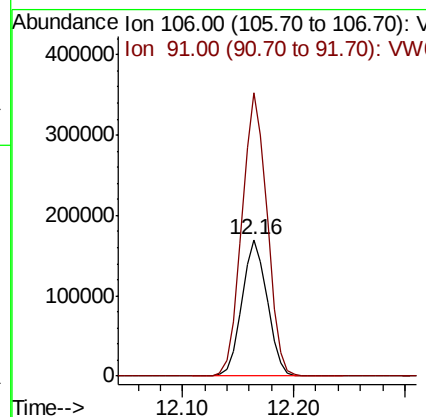
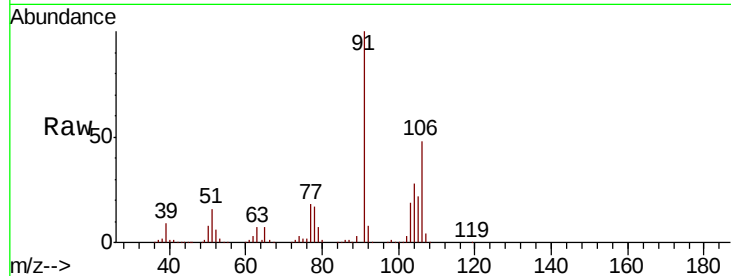
#69
o-Xylene
Concen: 52.552 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		265653		
91	208.0	106.5	319.5		

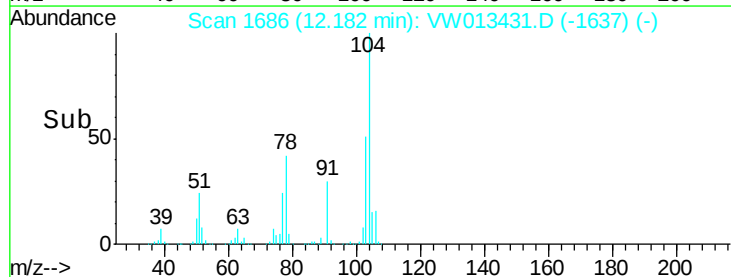
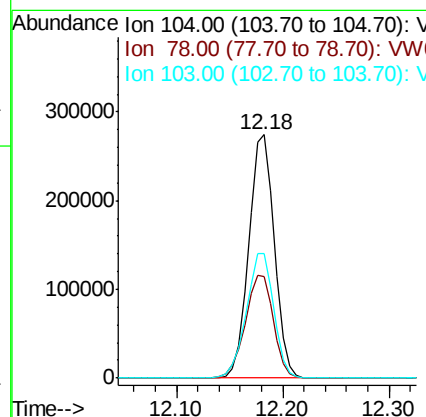
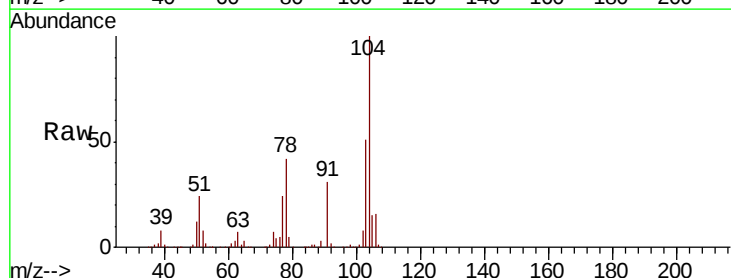
Manual Integrations
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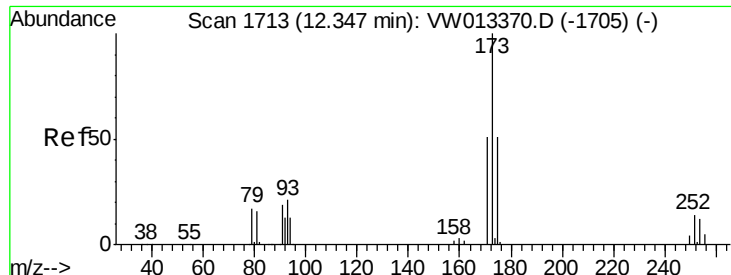
MMDadoda
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#70
Styrene
Concen: 53.562 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		462847		
78	46.8	38.4	57.6		
103	54.9	43.3	64.9		





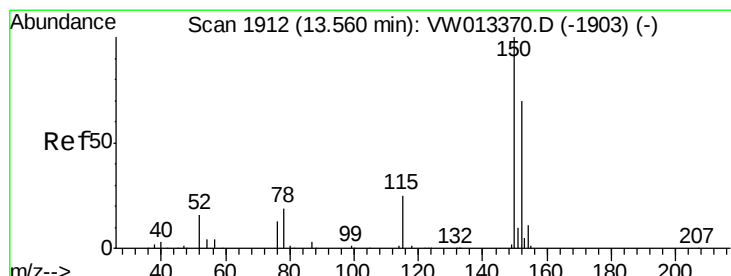
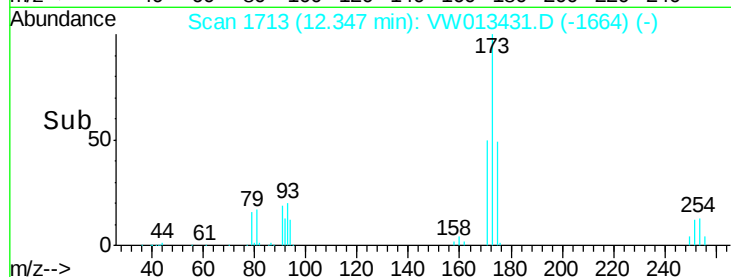
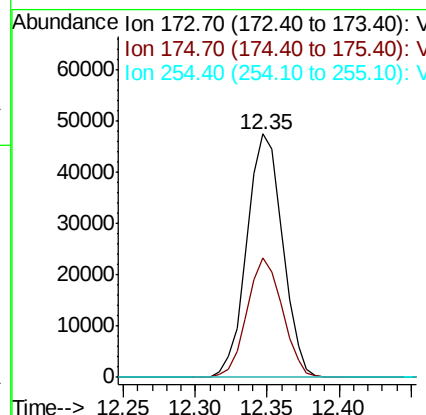
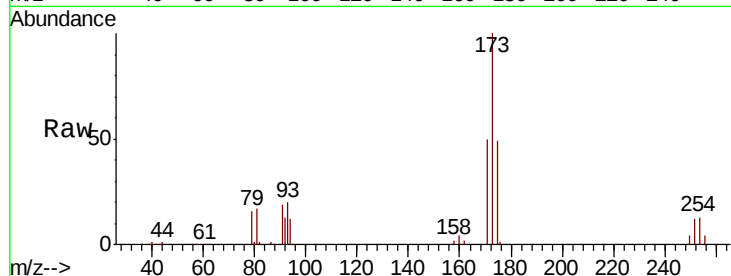
#71
Bromoform
Concen: 55.871 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	73.0
254	0.0	0.1	0.1#

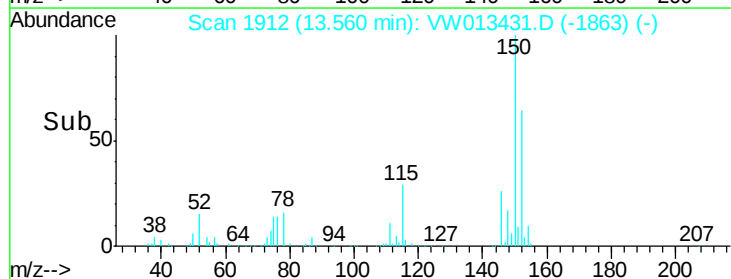
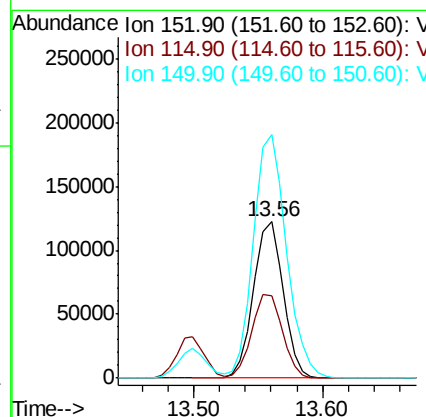
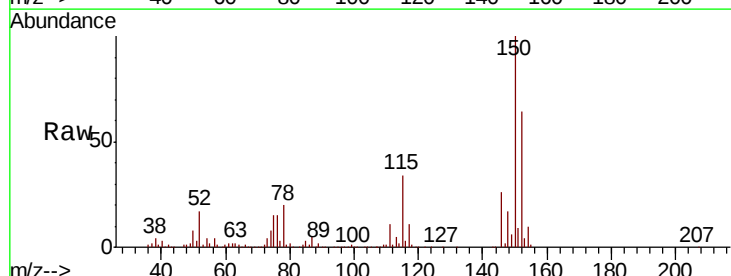
Manual Integrations
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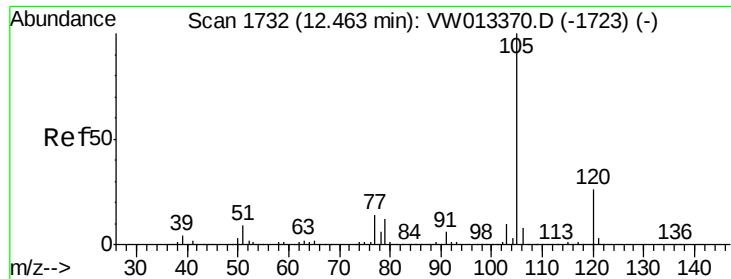
MMDadoda
10/9/2019 11:48:06 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.3	81.9
150	173.8	0.0	349.0





#73

Isopropylbenzene

Concen: 53.120 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 753780

Ion Ratio Lower Upper

105 100

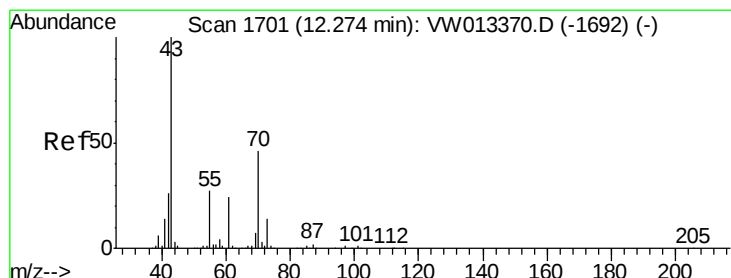
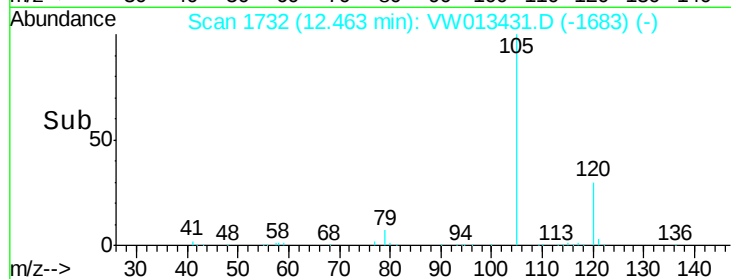
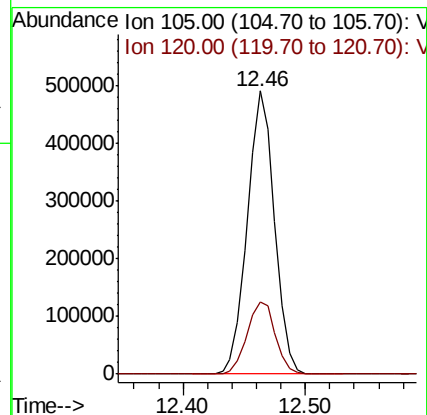
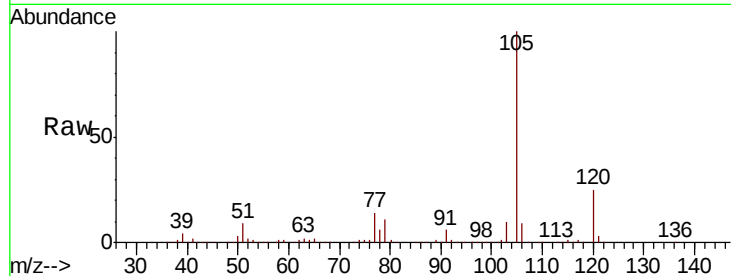
120 26.6 13.4 40.1

Manual Integrations

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10/9/2019 11:48:06 AM



#74

N-ethyl acetate

Concen: 55.022 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion: 43 Resp: 166165

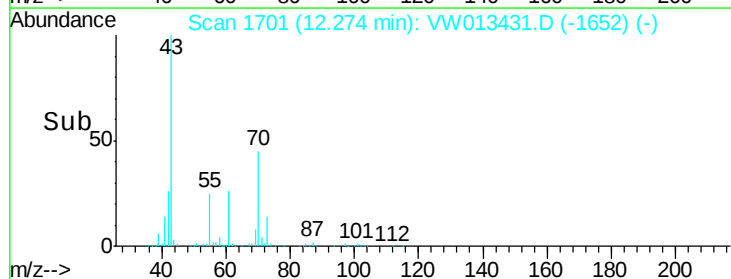
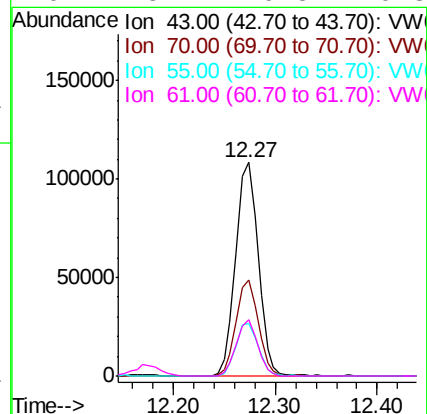
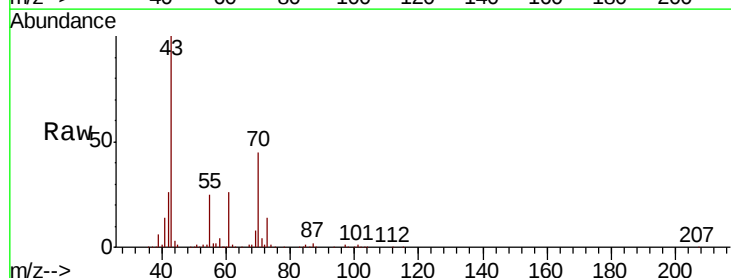
Ion Ratio Lower Upper

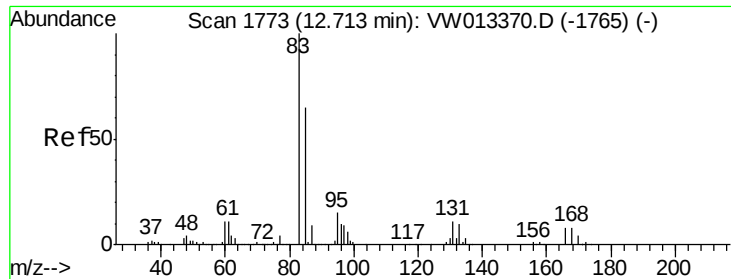
43 100

70 44.6 35.1 52.7

55 25.1 19.9 29.9

61 25.1 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.994 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

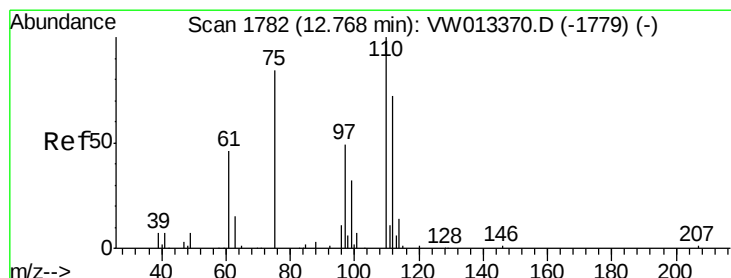
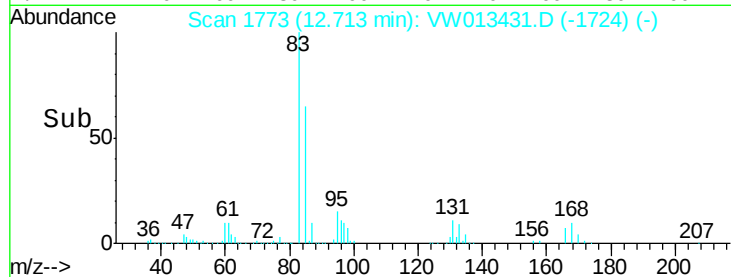
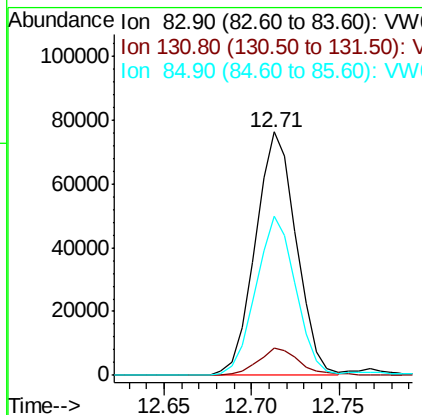
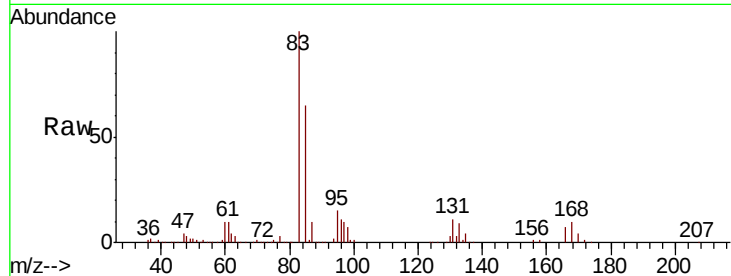
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	124879
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.4	16.2
85	64.0	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 48.235 ug/l m

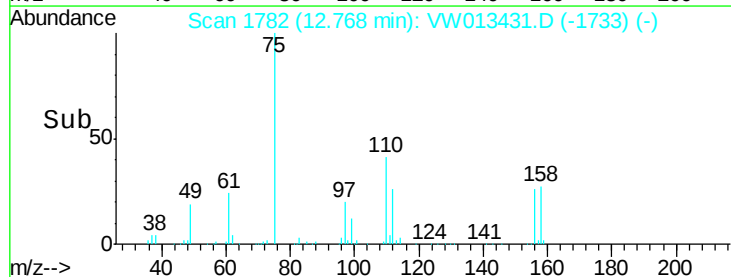
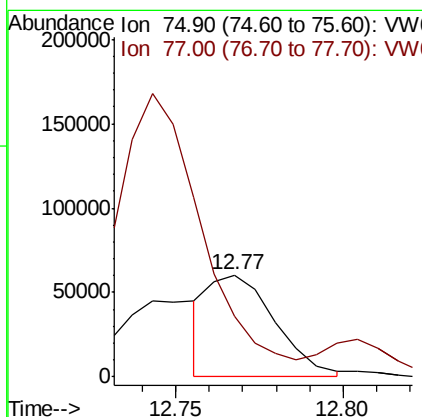
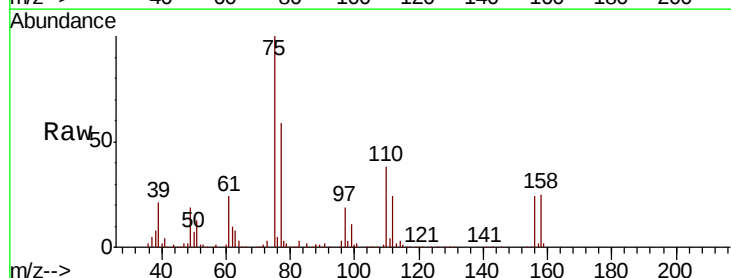
RT: 12.77 min Scan# 1782

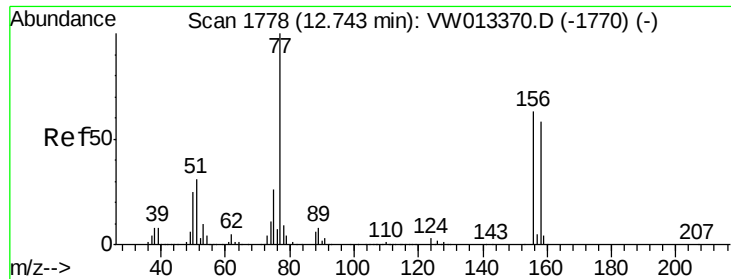
Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion:	75	Resp:	83165
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.463 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

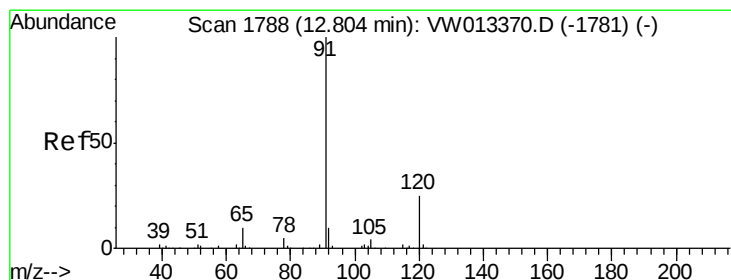
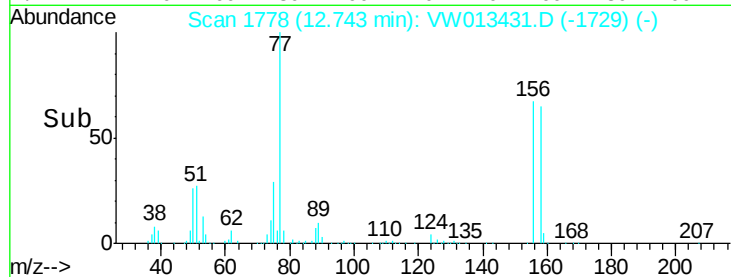
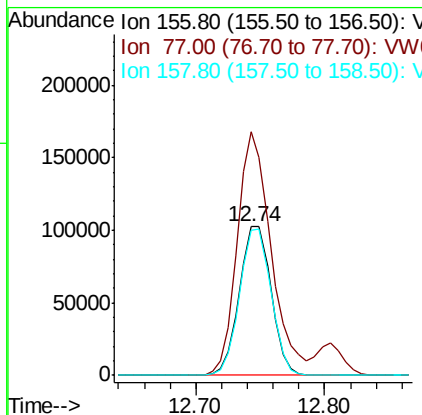
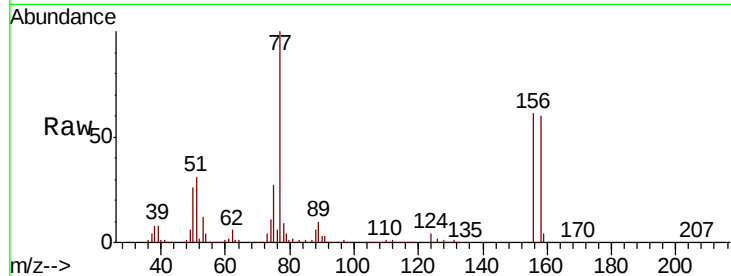
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	174.0	85.7	257.1	
158	97.2	48.1	144.4	

Manual Integrations
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#78

n-propylbenzene

Concen: 53.865 ug/l

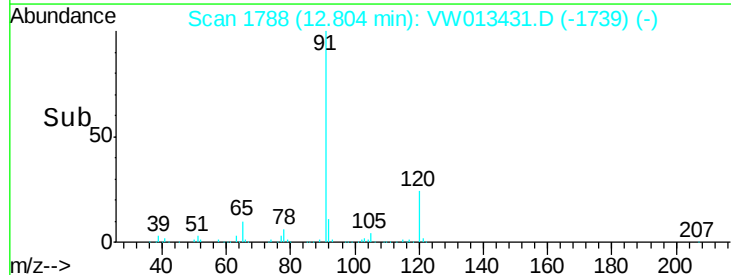
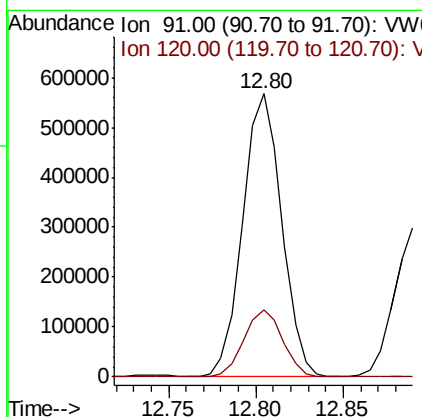
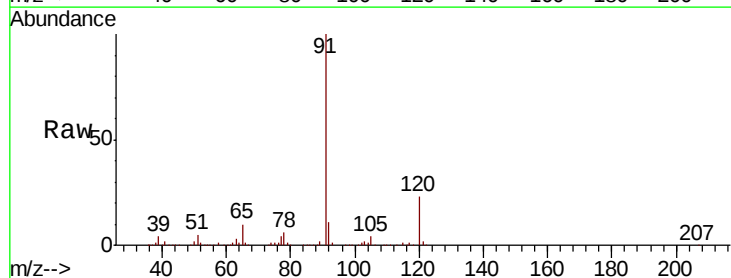
RT: 12.80 min Scan# 1788

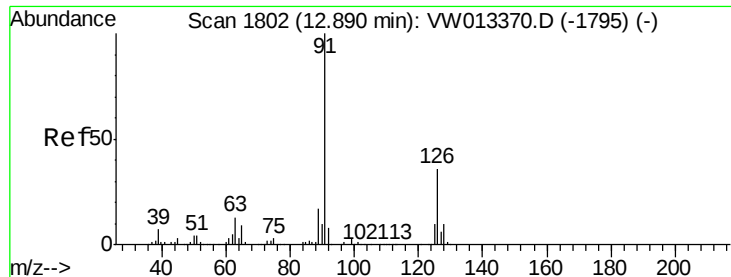
Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.5	11.7	35.1	





#79

2-Chlorotoluene

Concen: 53.436 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013431.D

Acq: 04 Oct 2019 10:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 484460

Ion Ratio Lower Upper

91 100

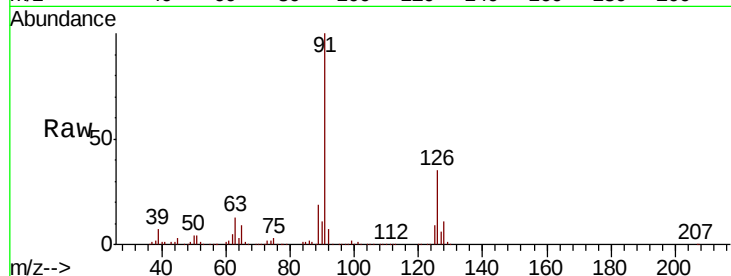
126 34.6 17.2 51.5

Manual Integrations

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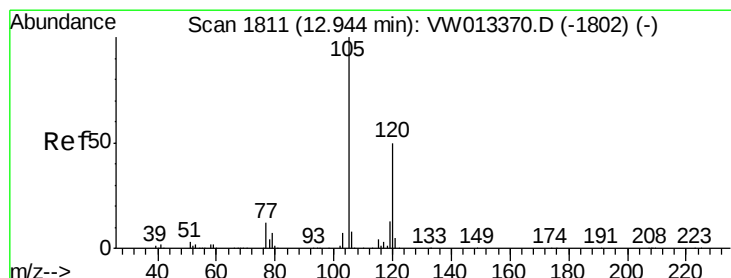
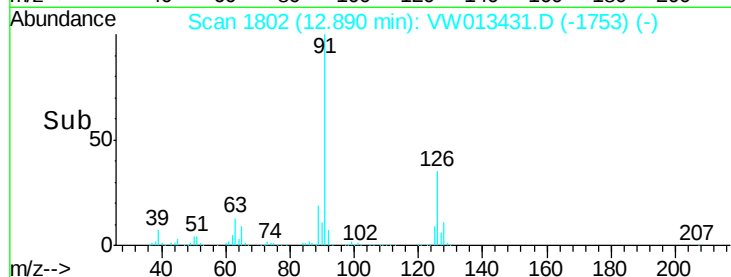
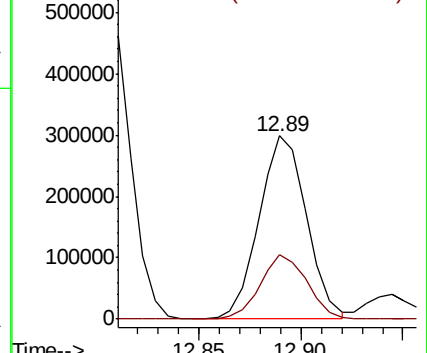
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.468 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013431.D

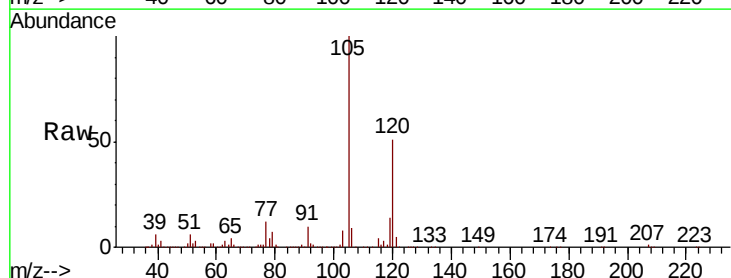
Acq: 04 Oct 2019 10:42

Tgt Ion:105 Resp: 618472

Ion Ratio Lower Upper

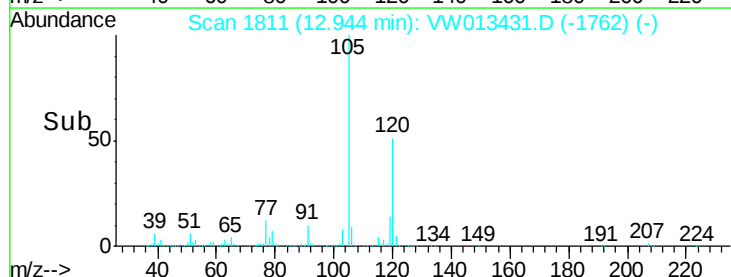
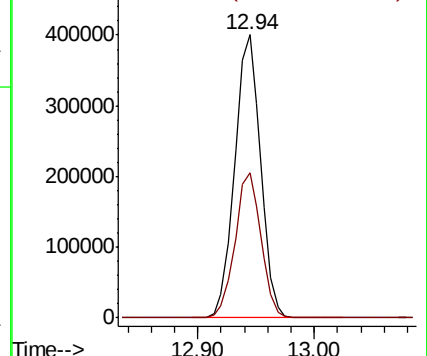
105 100

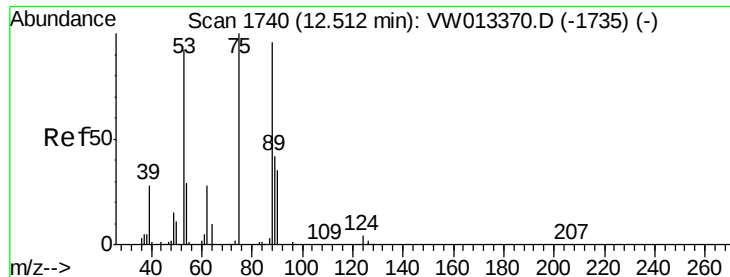
120 51.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





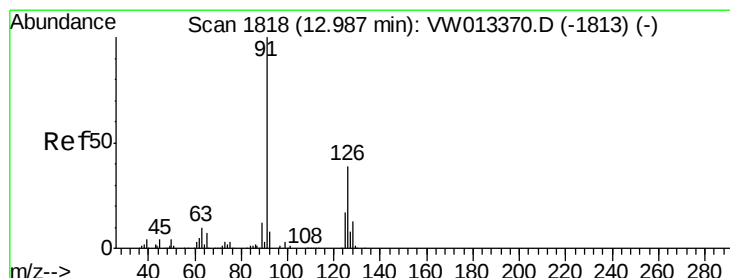
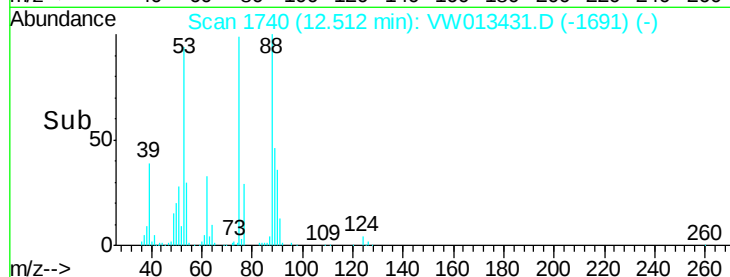
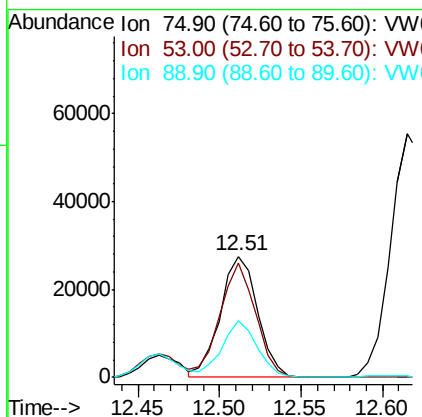
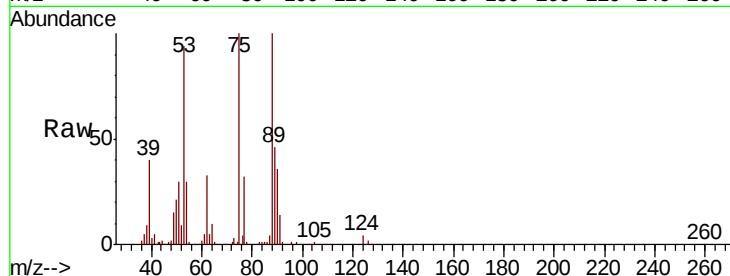
#81
trans-1,4-Dichloro-2-butene
Concen: 53.425 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	76.6	114.8
89	43.8	33.5	50.3

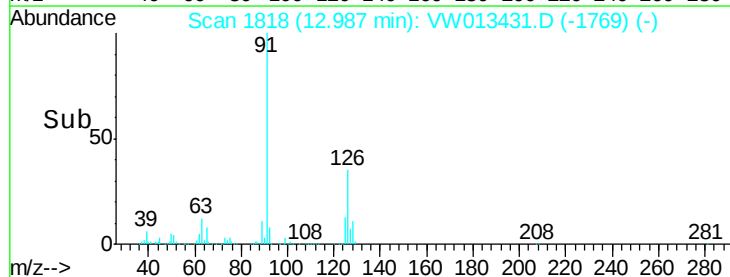
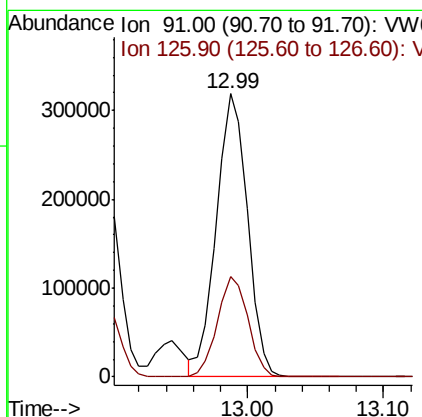
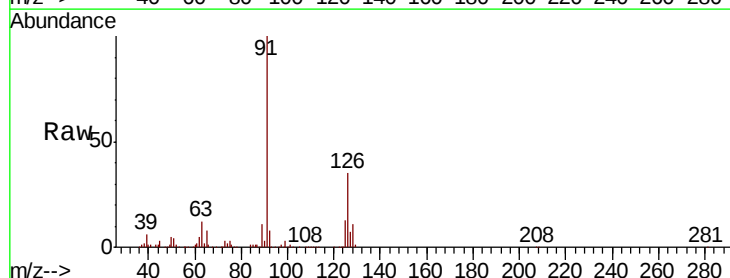
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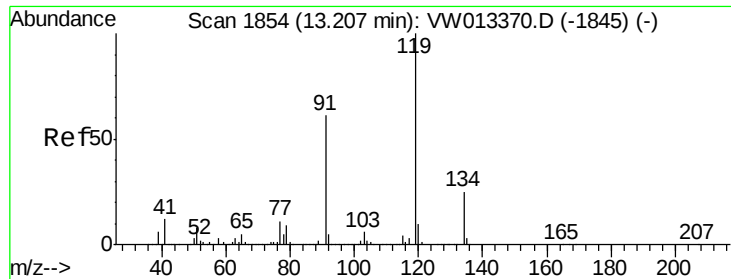
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#82
4-Chlorotoluene
Concen: 53.407 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7





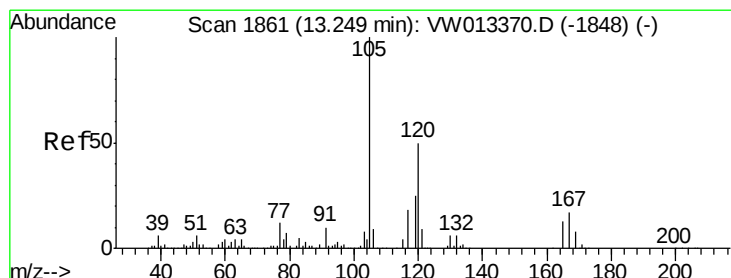
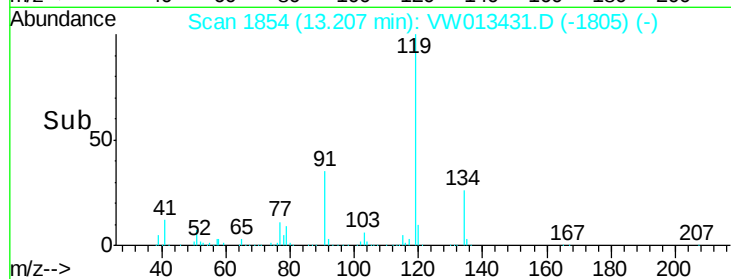
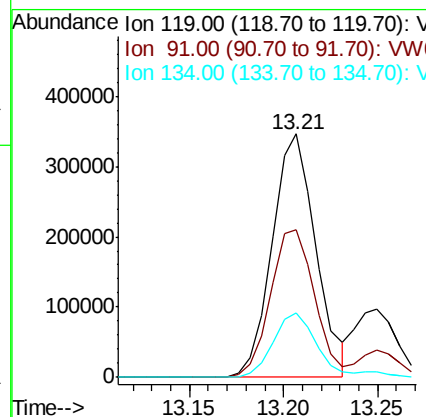
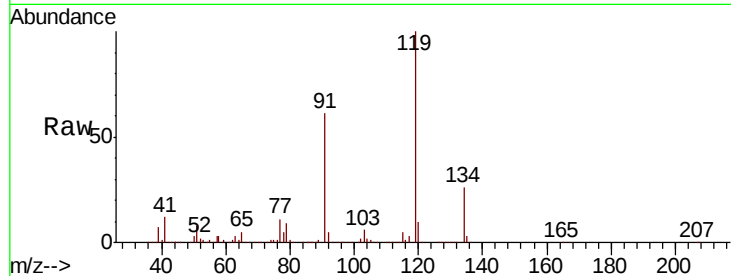
#83
tert-Butylbenzene
Concen: 54.099 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	26.0	12.6	37.6

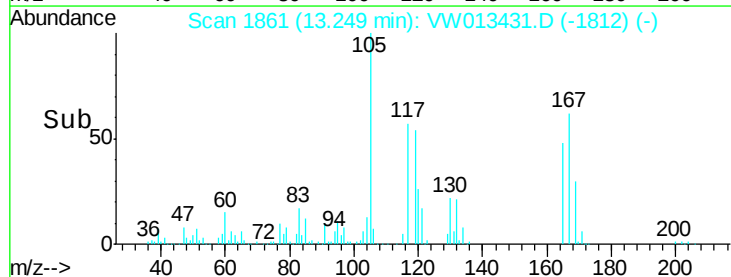
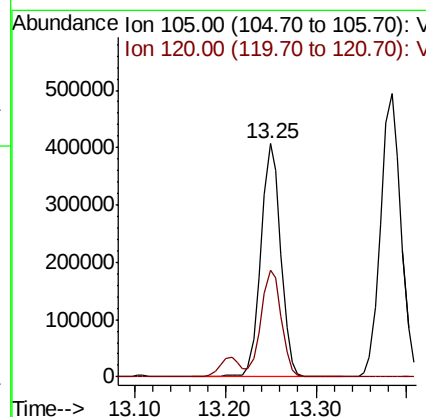
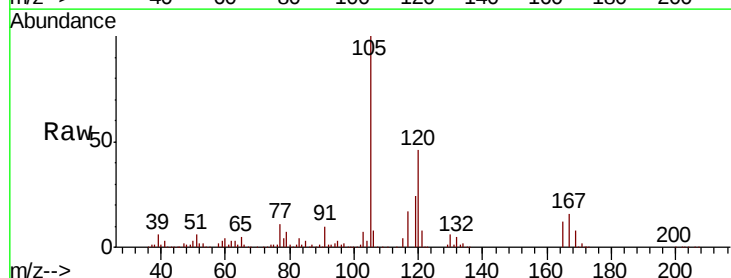
Manual Integrations
APPROVED

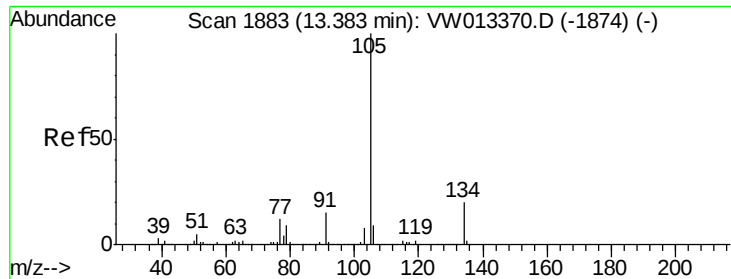
MMDadoda
10/9/2019 11:48:06 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.634 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.4	70.3





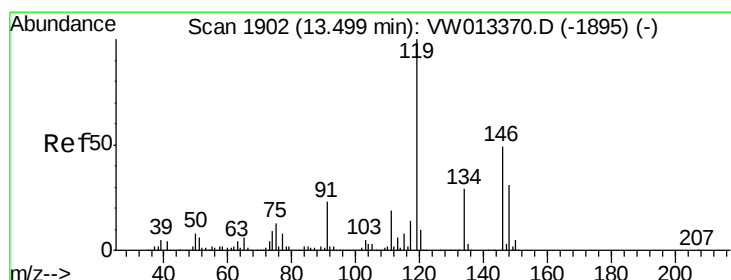
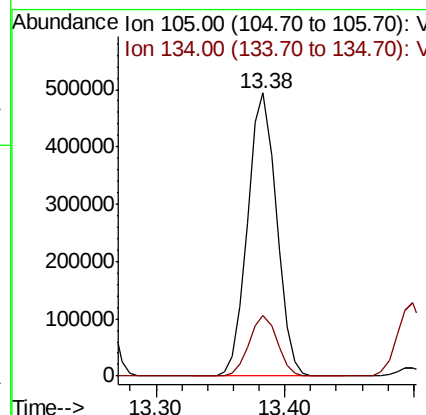
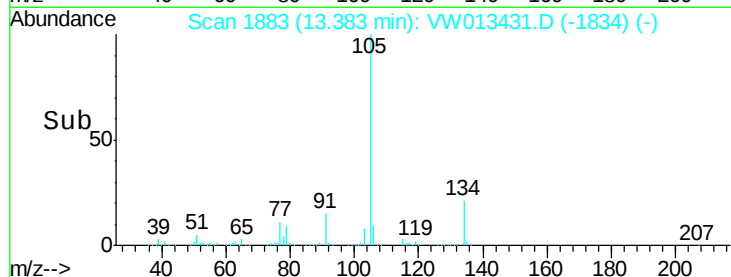
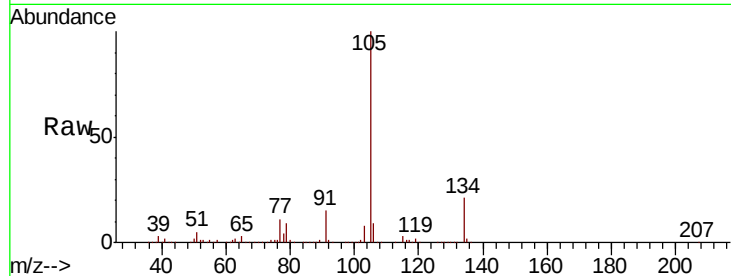
#85
 sec-Butylbenzene
 Concen: 53.749 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.8

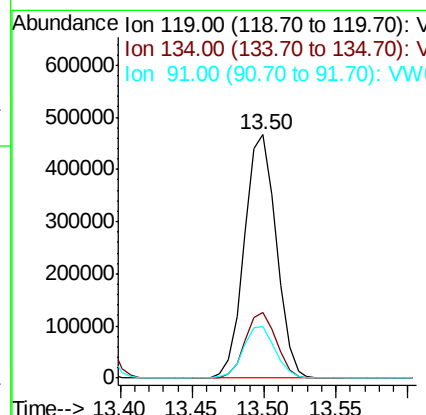
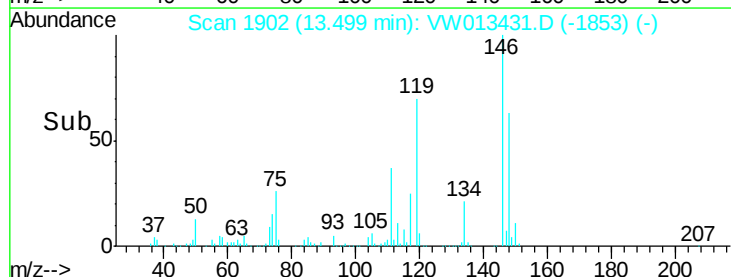
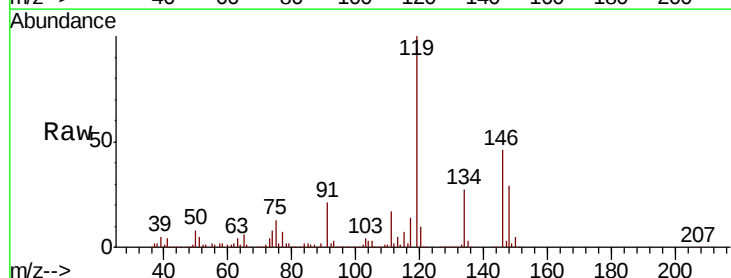
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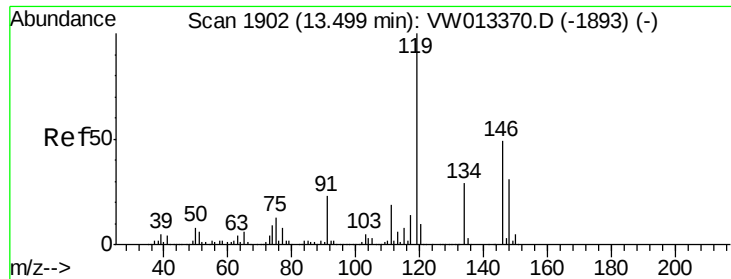
MMDadoda
 10/9/2019 11:48:06 AM



#86
 p-Isopropyltoluene
 Concen: 54.307 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	21.1	10.8	32.4





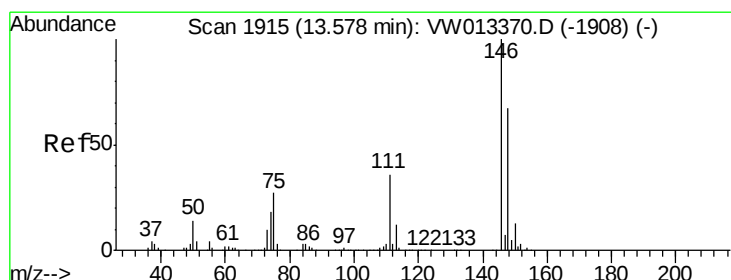
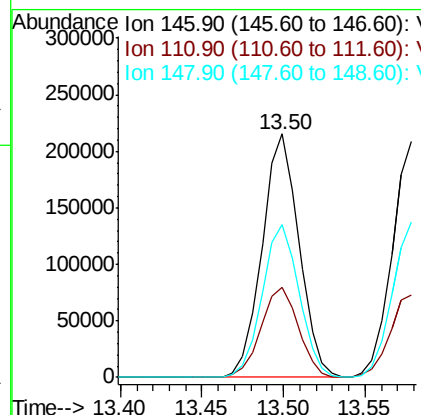
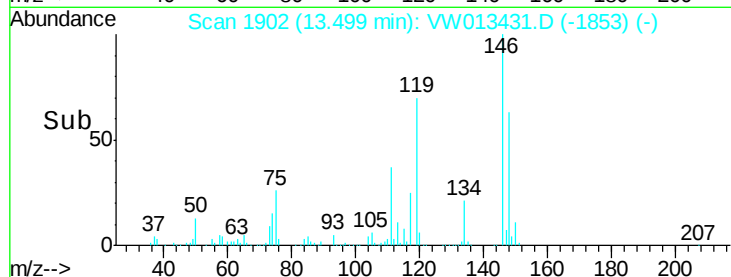
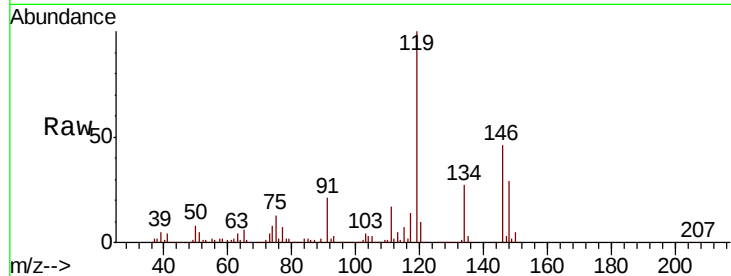
#87
 1,3-Dichlorobenzene
 Concen: 52.491 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	336492		
111	37.8	18.9	56.9	
148	63.0	31.9	95.5	

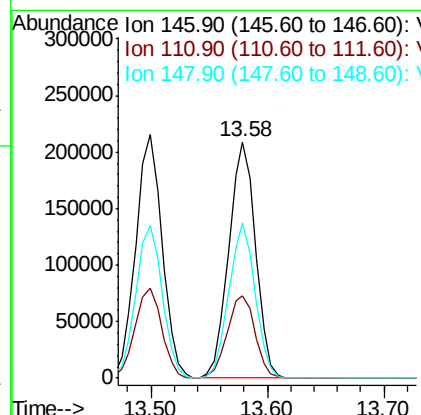
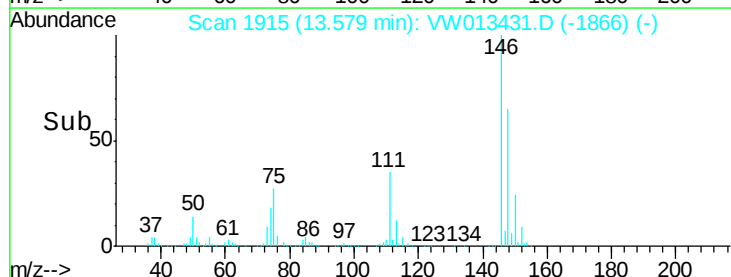
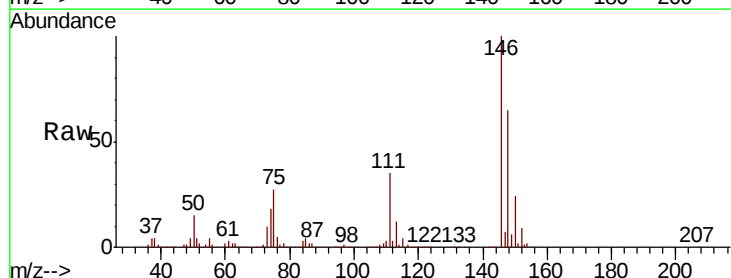
Manual Integrations
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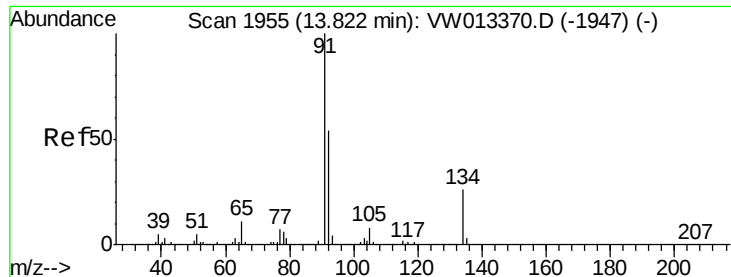
MMDadoda
 10/9/2019 11:48:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.857 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	332841		
111	36.1	18.4	55.0	
148	64.1	32.1	96.3	





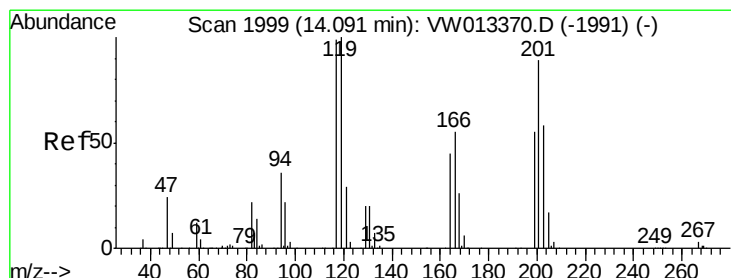
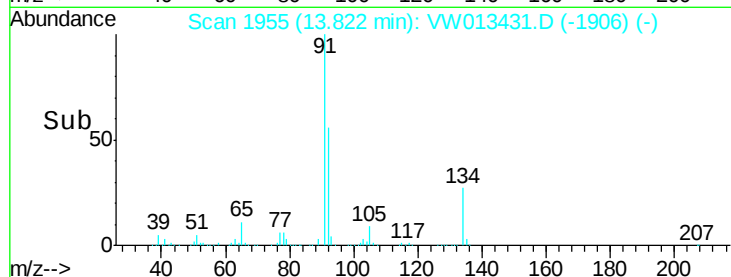
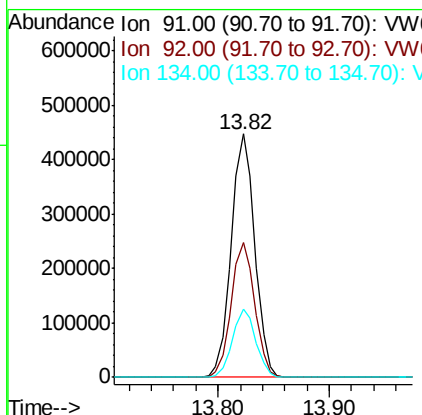
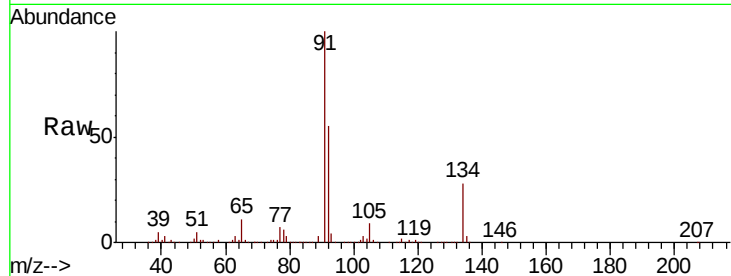
#89
n-Butylbenzene
Concen: 55.122 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.6	82.8
134	27.8	13.7	41.1

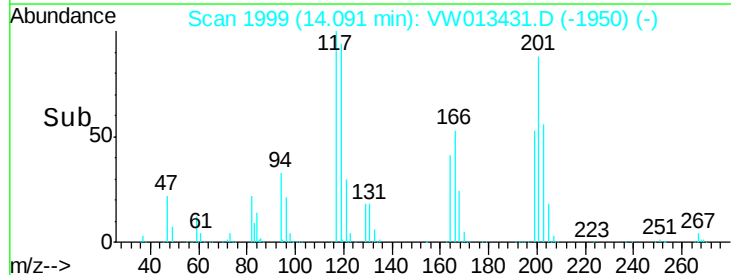
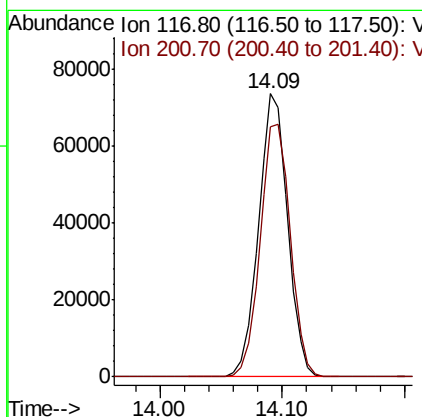
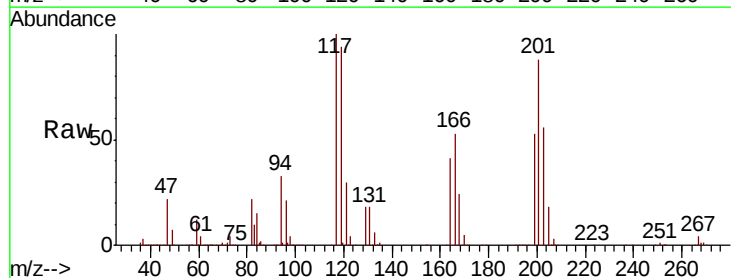
Manual Integrations
APPROVED

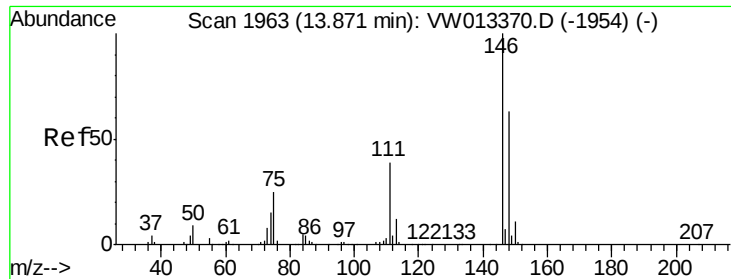
MMDadoda
10/9/2019 11:48:06 AM



#90
Hexachloroethane
Concen: 56.058 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.7	44.5	133.5





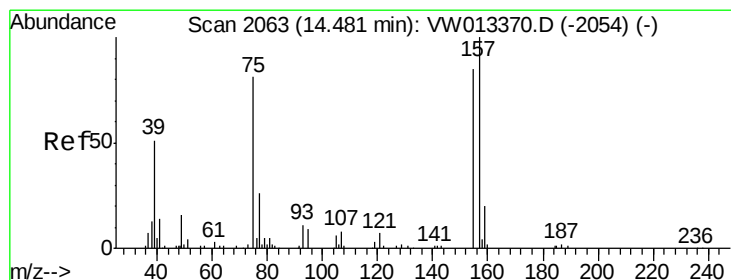
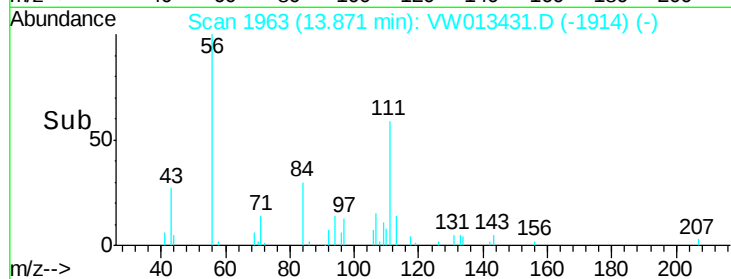
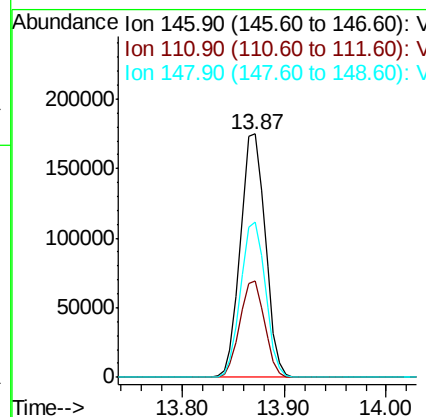
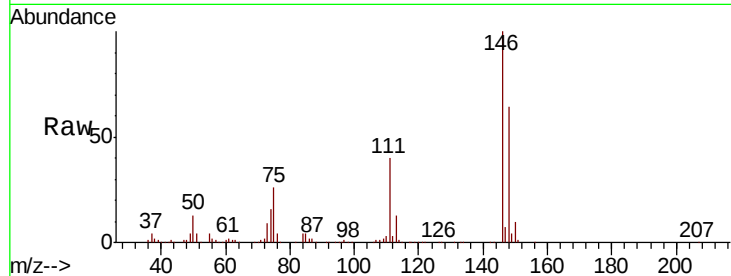
#91
 1,2-Dichlorobenzene
 Concen: 51.989 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.1	60.3
148	63.9	32.0	96.0

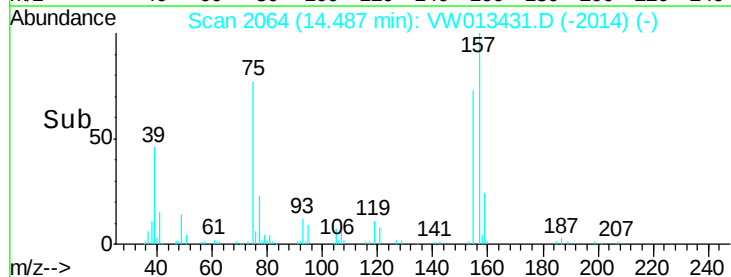
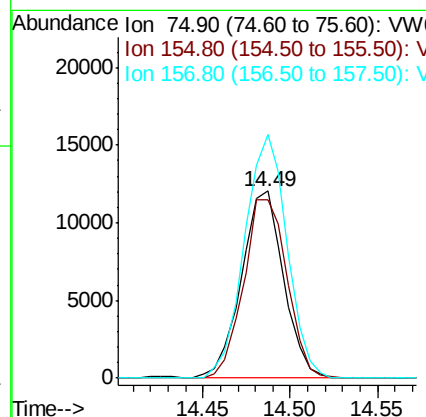
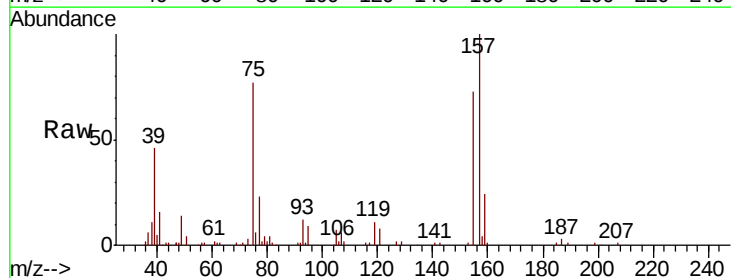
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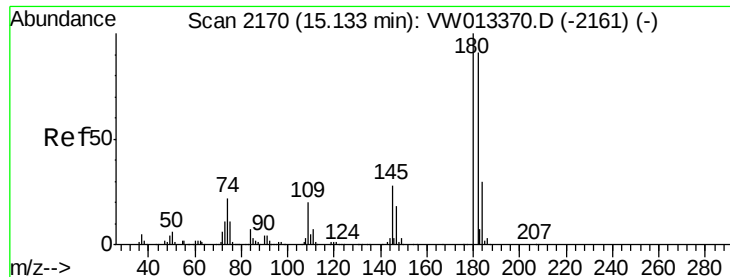
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.067 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	46.1	138.3
157	131.1	60.4	181.2





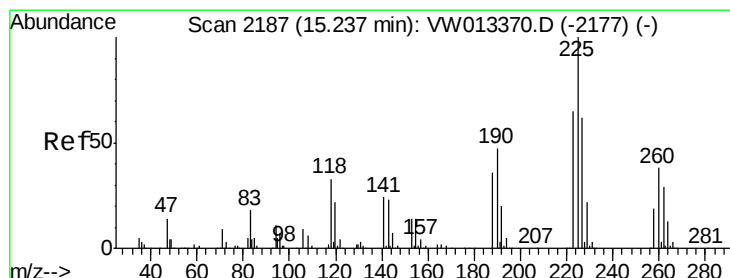
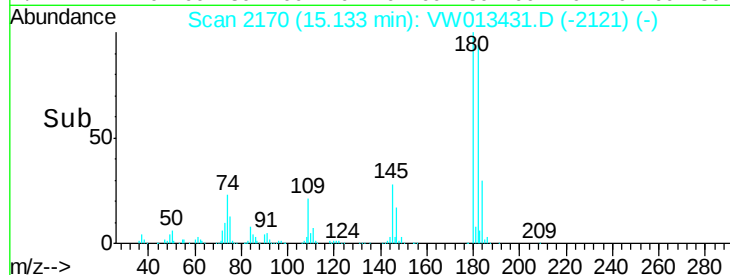
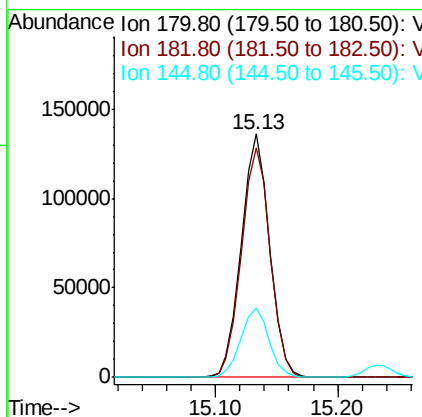
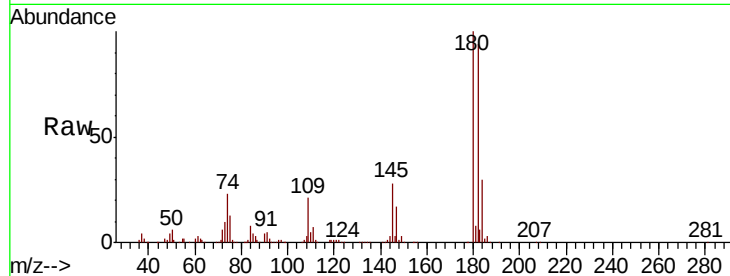
#93
 1,2,4-Trichlorobenzene
 Concen: 53.636 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218131		
182	95.7	47.3	142.0	
145	28.4	14.2	42.8	

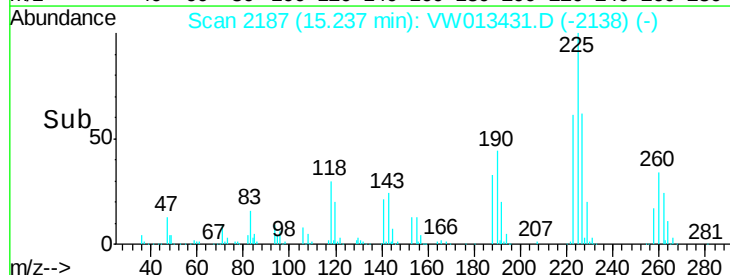
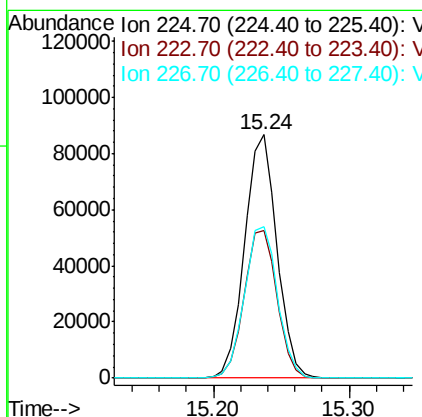
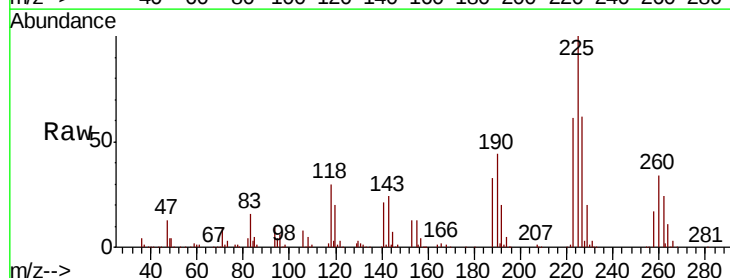
Manual Integrations
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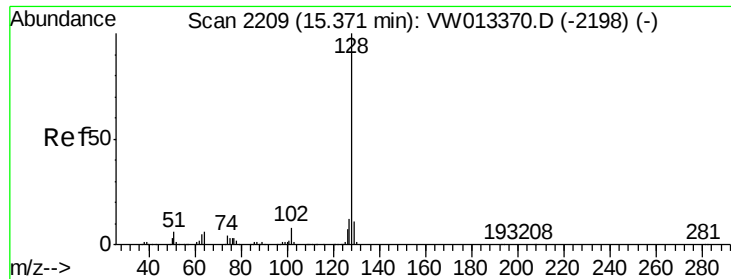
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#94
 Hexachlorobutadiene
 Concen: 54.391 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013431.D
 Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143692		
223	62.1	30.6	91.8	
227	64.2	31.9	95.9	





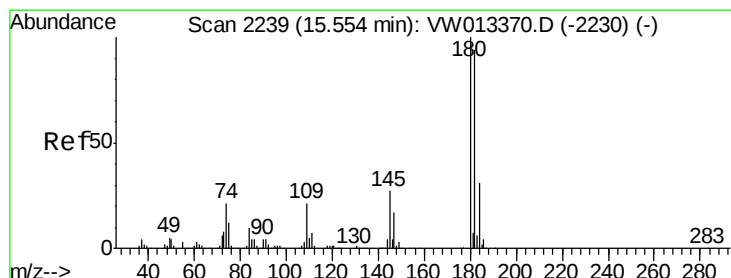
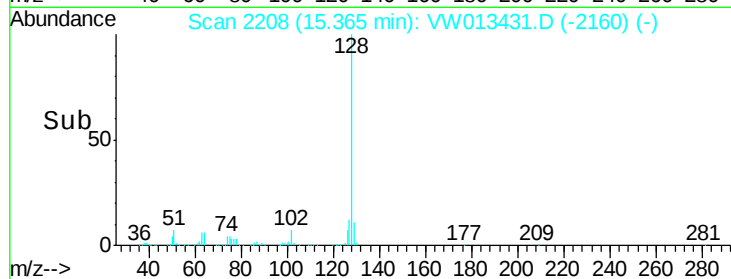
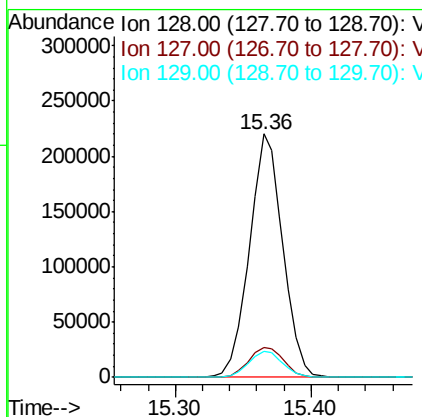
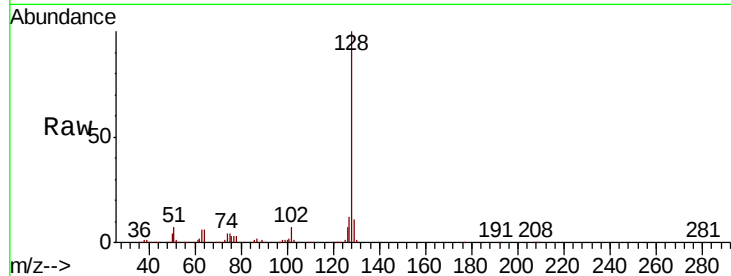
#95
Naphthalene
Concen: 55.107 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.740 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013431.D
Acq: 04 Oct 2019 10:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	29.2	15.0	45.0

