

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100919\
 Data File : VW013495.D
 Acq On : 09 Oct 2019 09:44
 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
 10/11/2019 4:40:29 PM

Quant Time: Oct 10 03:08:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	434283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191178	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	121568	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.88	113	122089	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.32	98	511807	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.62	95	176445	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	52618	52.010	ug/l	94
3) Chloromethane	2.21	50	90041	50.633	ug/l	95
4) Vinyl Chloride	2.35	62	135490	51.653	ug/l	98
5) Bromomethane	2.78	94	81233	51.903	ug/l	94
6) Chloroethane	2.92	64	75014	50.923	ug/l	98
7) Trichlorofluoromethane	3.25	101	71147	57.327	ug/l	95
8) Diethyl Ether	3.68	74	68502	53.327	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	128712	50.321	ug/l	99
10) Methyl Iodide	4.27	142	206590	51.005	ug/l	99
11) Tert butyl alcohol	5.18	59	46879	282.435	ug/l	97
12) 1,1-Dichloroethene	4.04	96	135631	51.166	ug/l	95
13) Acrolein	3.88	56	62285	294.098	ug/l	98
14) Allyl chloride	4.67	41	212420	52.145	ug/l	100
15) Acrylonitrile	5.36	53	164965	274.766	ug/l	98
16) Acetone	4.13	43	165578	301.533	ug/l	97
17) Carbon Disulfide	4.38	76	381978	51.336	ug/l	99
18) Methyl Acetate	4.67	43	77309	49.149	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	213890	53.360	ug/l	98
20) Methylene Chloride	4.92	84	137675	51.980	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	143829	51.061	ug/l	96
22) Diisopropyl ether	6.31	45	402782	52.772	ug/l	99
23) Vinyl Acetate	6.25	43	1264632	275.981	ug/l	100
24) 1,1-Dichloroethane	6.21	63	239663	51.374	ug/l	97
25) 2-Butanone	7.17	43	223464	276.131	ug/l	98
26) 2,2-Dichloropropane	7.16	77	153620	51.081	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	153490	51.498	ug/l	100
28) Bromochloromethane	7.51	49	94156	52.030	ug/l #	99
29) Tetrahydrofuran	7.52	42	133326	269.559	ug/l	99
30) Chloroform	7.68	83	231007	51.193	ug/l	95
31) Cyclohexane	7.95	56	243891	49.394	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	190518	51.939	ug/l	99
36) 1,1-Dichloropropene	8.08	75	199532	50.789	ug/l	99
37) Ethyl Acetate	7.25	43	92568	51.932	ug/l	98
38) Carbon Tetrachloride	8.07	117	177680	51.018	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	255948	50.286	ug/l	98
40) Benzene	8.32	78	558600	50.936	ug/l	99
41) Methacrylonitrile	7.48	41	55186	54.445	ug/l	97
42) 1,2-Dichloroethane	8.40	62	146908	52.998	ug/l	99
43) Isopropyl Acetate	8.42	43	168129	52.209	ug/l	99
44) Trichloroethene	9.09	130	159130	50.864	ug/l	99
45) 1,2-Dichloropropane	9.37	63	135870	51.619	ug/l	99
46) Dibromomethane	9.46	93	68142	51.965	ug/l	98
47) Bromodichloromethane	9.64	83	169706	52.062	ug/l	97
48) Methyl methacrylate	9.43	41	80060	50.471	ug/l	96
49) 1,4-Dioxane	9.46	88	23215	1008.250	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	436834	258.016	ug/l	100
52) Toluene	10.38	92	363869	51.509	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	180298	53.230	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	218830	53.327	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	103372	52.519	ug/l	98
56) Ethyl methacrylate	10.65	69	142900	53.905	ug/l	99
57) 1,3-Dichloropropane	10.93	76	177205	52.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	352126	281.552	ug/l	99
59) 2-Hexanone	10.97	43	334353	287.997	ug/l	99
60) Dibromochloromethane	11.13	129	121441	53.652	ug/l	97
61) 1,2-Dibromoethane	11.24	107	99351	53.069	ug/l	99
64) Tetrachloroethene	10.86	164	136756	49.447	ug/l	98
65) Chlorobenzene	11.66	112	372940	49.946	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	132853	51.221	ug/l	99
67) Ethyl Benzene	11.73	91	678083	49.685	ug/l	97
68) m/p-Xylenes	11.84	106	524338	100.977	ug/l	100
69) o-Xylene	12.16	106	244782	51.022	ug/l	98
70) Styrene	12.18	104	422376	51.275	ug/l	99
71) Bromoform	12.35	173	76075	53.459	ug/l	99
73) Isopropylbenzene	12.46	105	680655	49.704	ug/l	99
74) N-amyl acetate	12.27	43	153605	51.287	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	119072	51.013	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	75460m	47.392	ug/l	
77) Bromobenzene	12.74	156	162199	49.970	ug/l	99
78) n-propylbenzene	12.80	91	786659	49.677	ug/l	99
79) 2-Chlorotoluene	12.89	91	432699	48.772	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	562711	49.455	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41338	53.071	ug/l	99
82) 4-Chlorotoluene	12.99	91	455948	49.515	ug/l	100
83) tert-Butylbenzene	13.21	119	501347	49.614	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	557348	49.528	ug/l	100
85) sec-Butylbenzene	13.38	105	691587	49.533	ug/l	100
86) p-Isopropyltoluene	13.50	119	642620	50.095	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	305691	49.667	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	305091	50.600	ug/l	99
89) n-Butylbenzene	13.82	91	591324	51.028	ug/l	99
90) Hexachloroethane	14.09	117	111142	50.635	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	270627	49.801	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17918	48.153	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	200285	52.150	ug/l	100
94) Hexachlorobutadiene	15.24	225	129526	50.750	ug/l	99
95) Naphthalene	15.36	128	355532	53.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	177287	52.790	ug/l	98

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

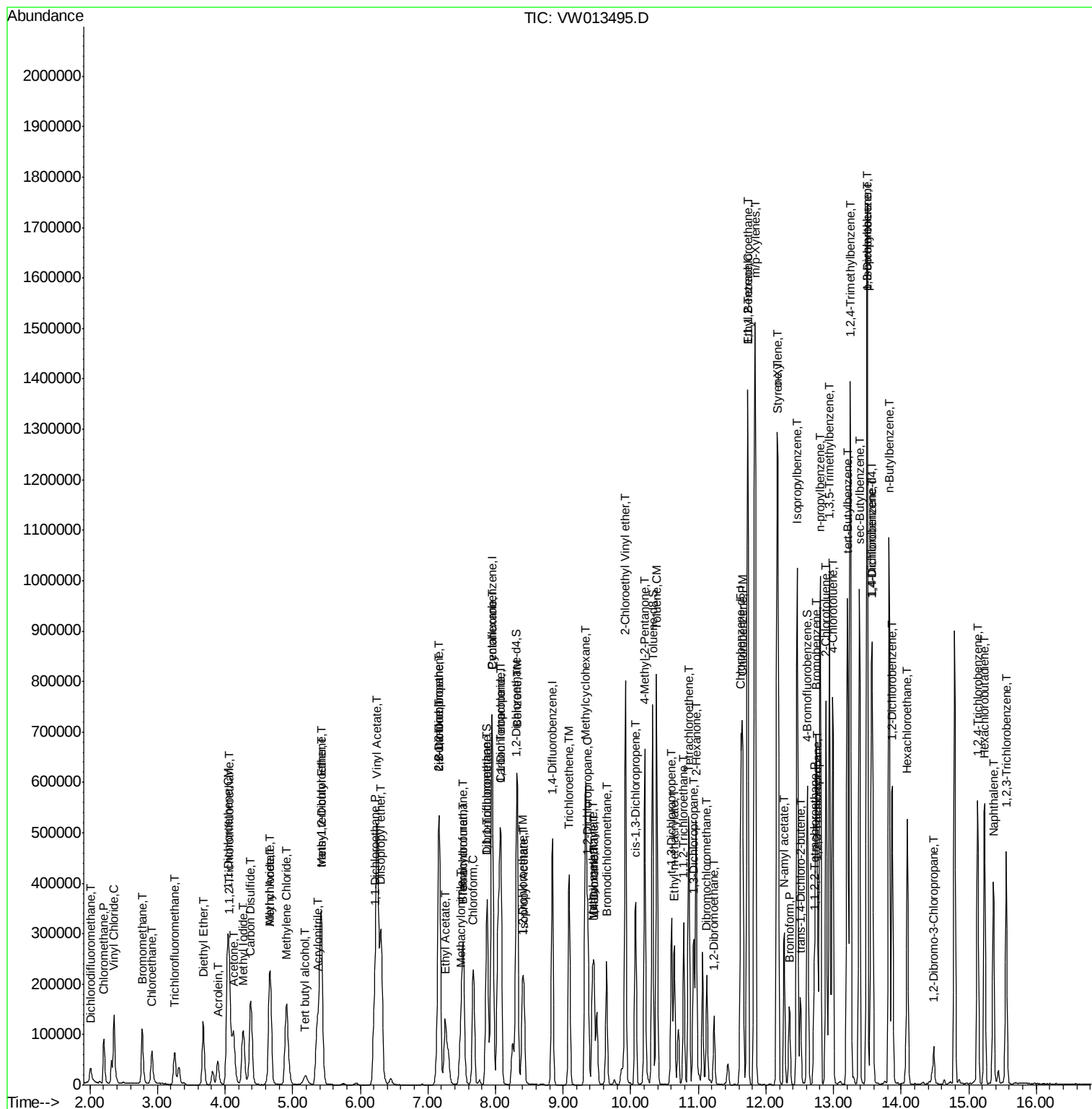
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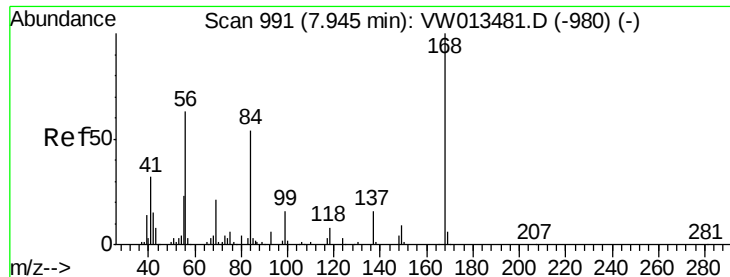
Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 305424

Ion Ratio Lower Upper

168 100

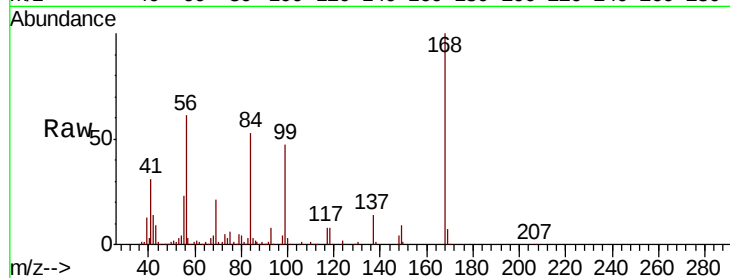
99 46.9 38.3 57.5

Manual Integrations

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10/11/2019 4:40:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

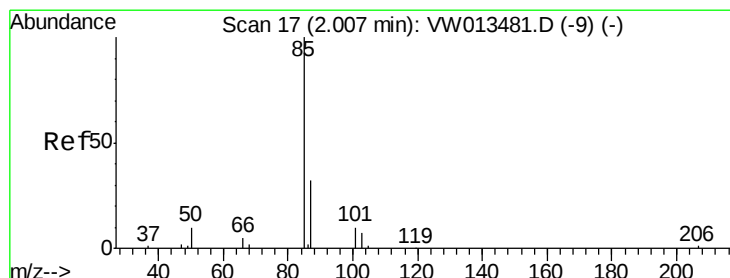
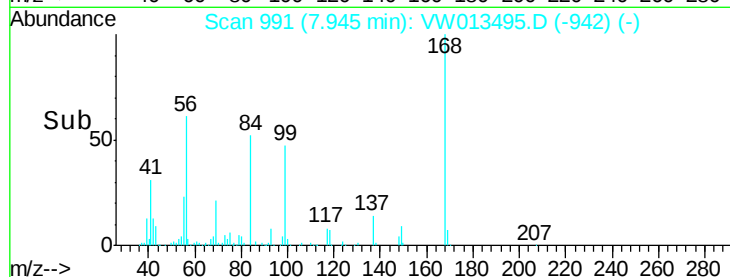
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 52.010 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013495.D

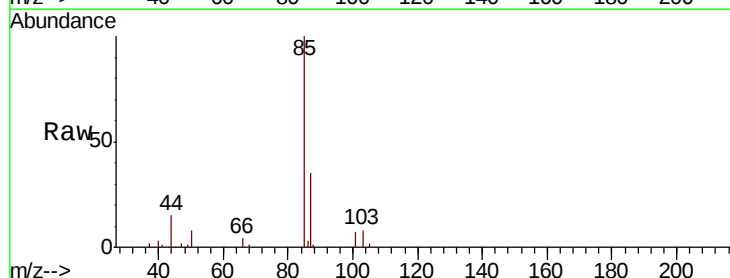
Acq: 09 Oct 2019 09:44

Tgt Ion: 85 Resp: 52618

Ion Ratio Lower Upper

85 100

87 35.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

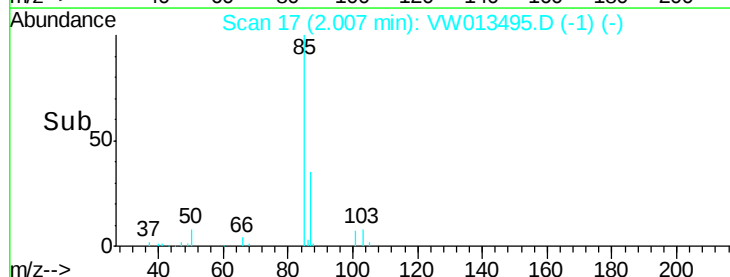
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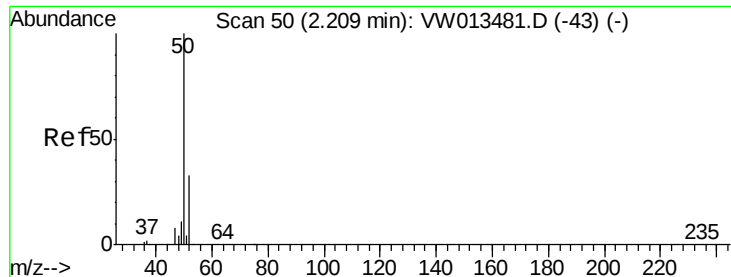
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 50.633 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 90041

Ion Ratio Lower Upper

50 100

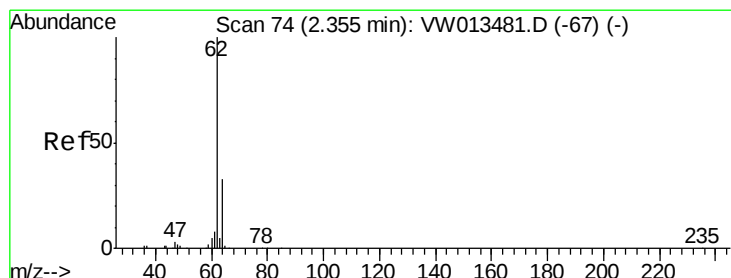
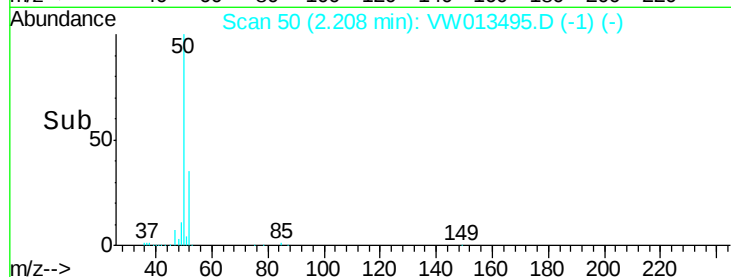
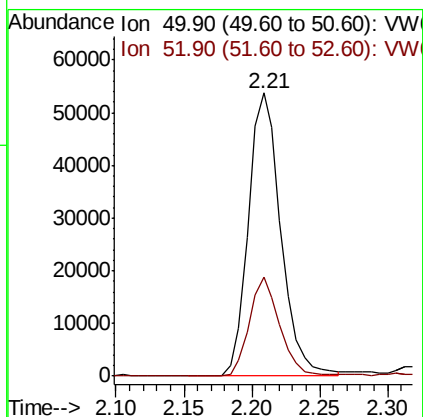
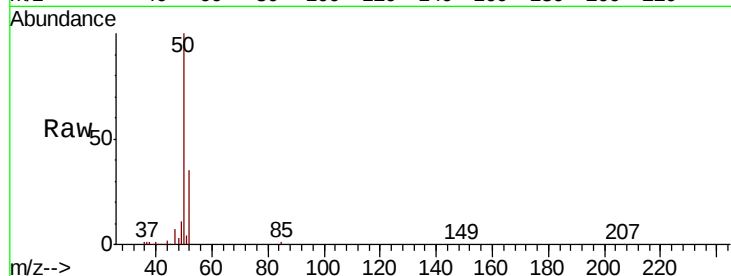
52 35.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.653 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013495.D

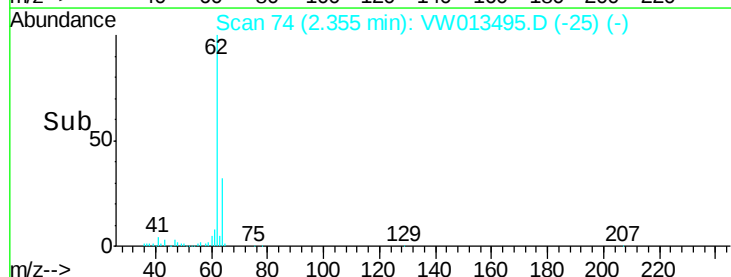
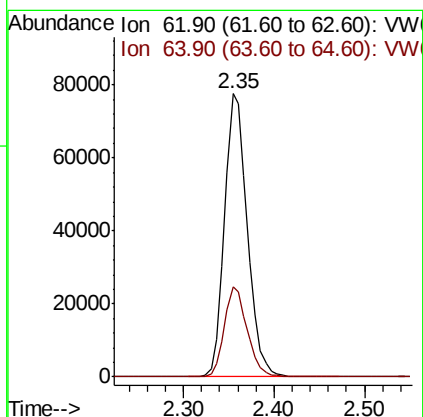
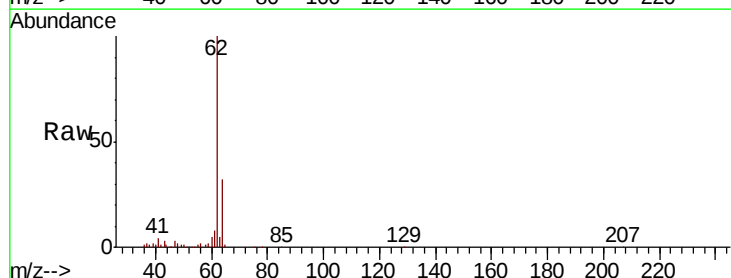
Acq: 09 Oct 2019 09:44

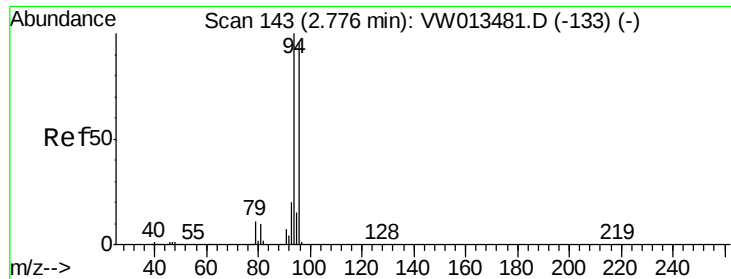
Tgt Ion: 62 Resp: 135490

Ion Ratio Lower Upper

62 100

64 31.9 26.6 39.8





#5

Bromomethane

Concen: 51.903 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 81233

Ion Ratio Lower Upper

94 100

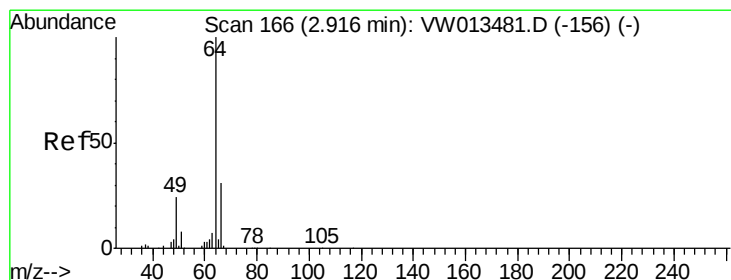
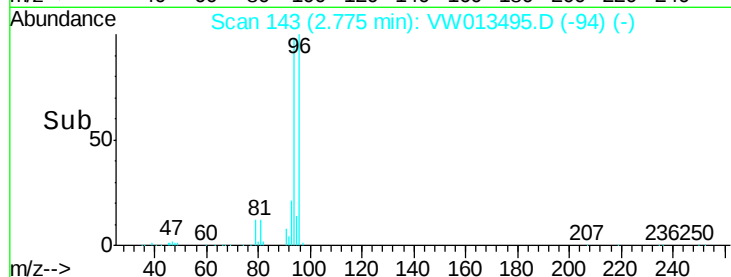
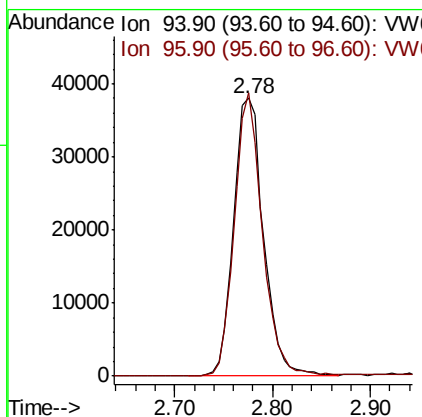
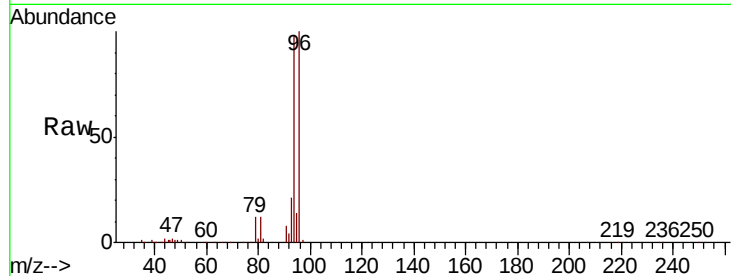
96 101.7 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 50.923 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013495.D

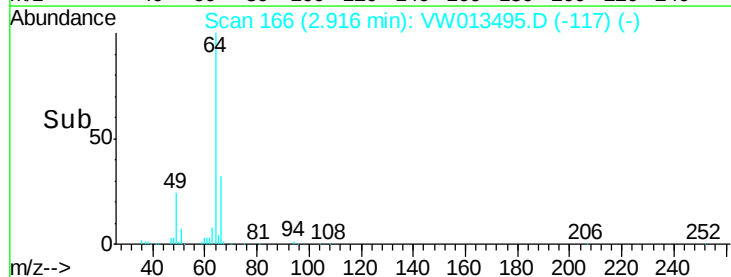
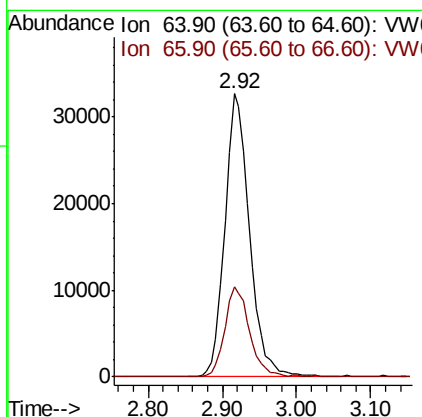
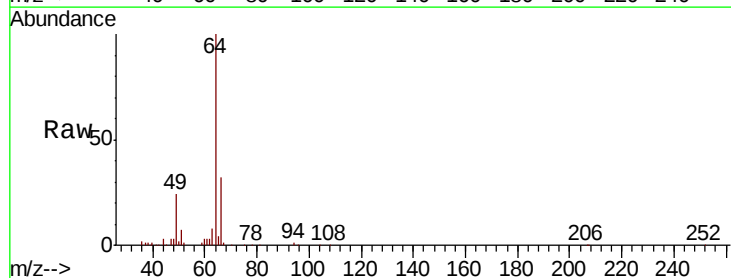
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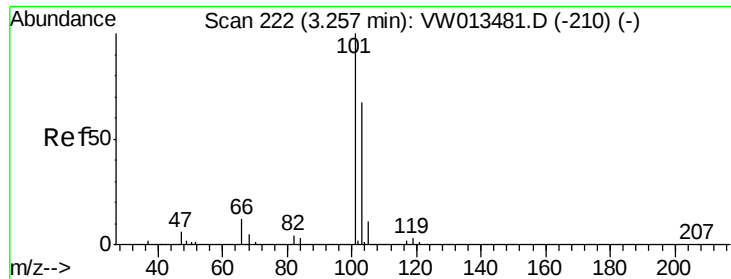
Tgt Ion: 64 Resp: 75014

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.4





#7

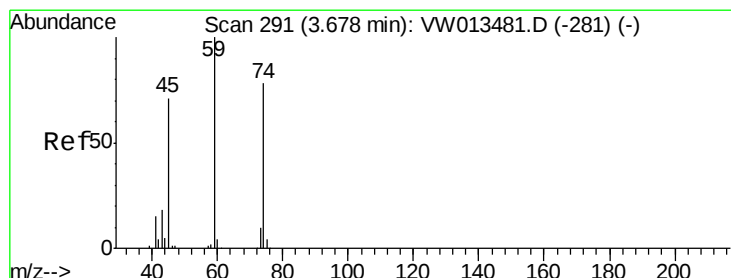
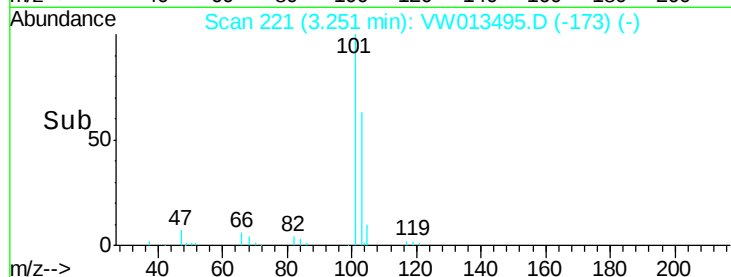
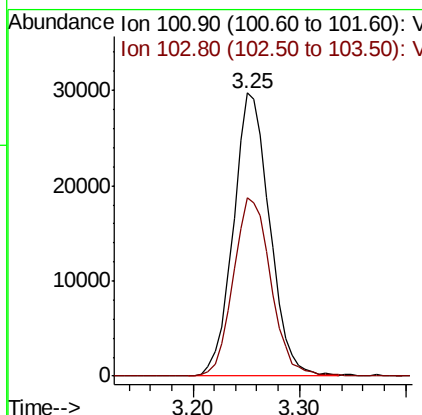
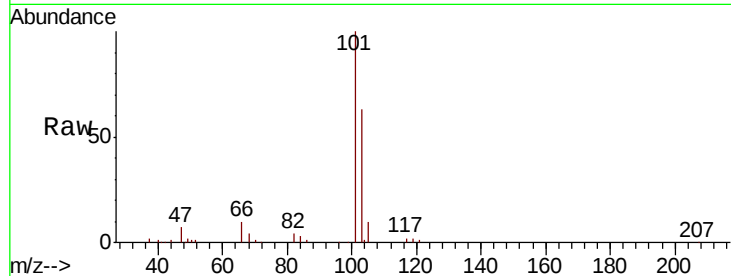
Trichlorofluoromethane
Concen: 57.327 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW013495.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		71147		
103	62.9	53.7	80.5		

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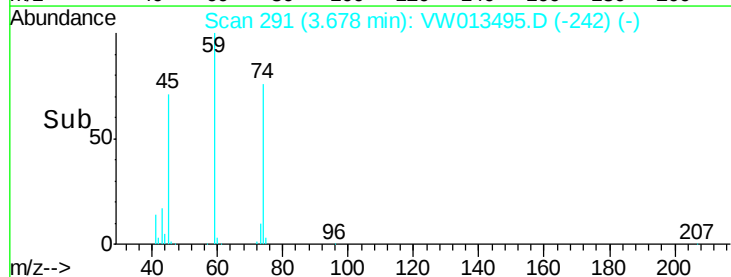
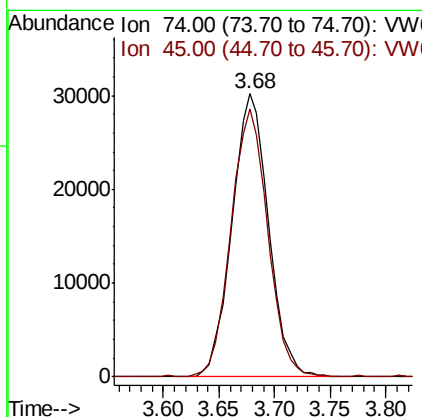
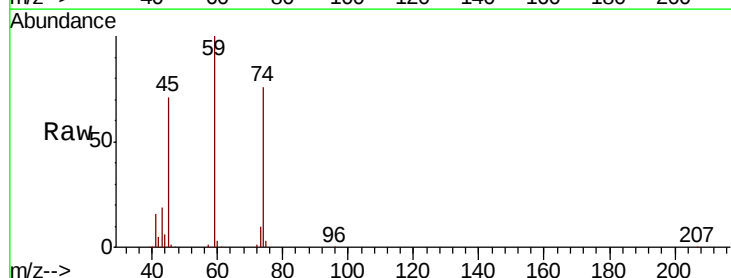
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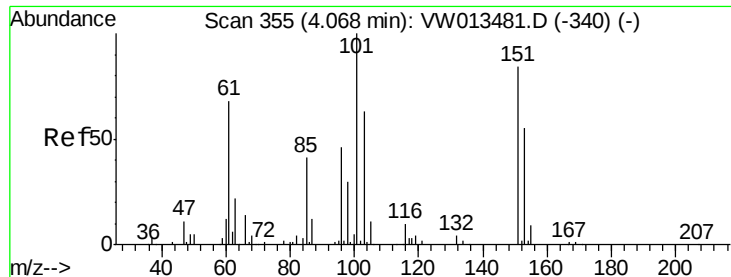


#8

Diethyl Ether
Concen: 53.327 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		68502		
45	95.5	50.0	150.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.321 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

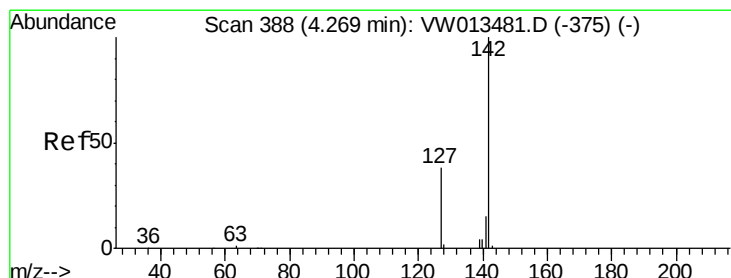
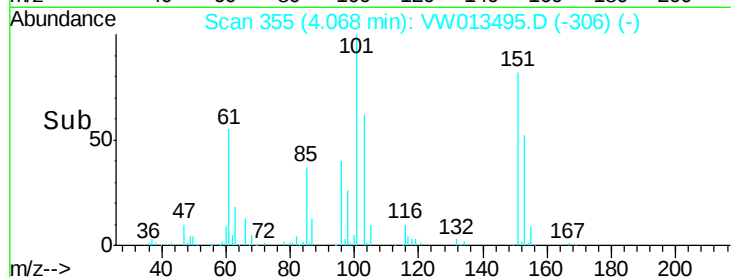
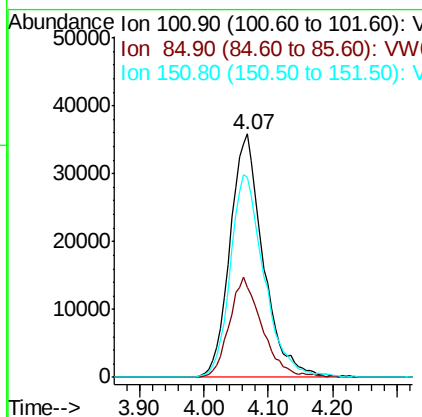
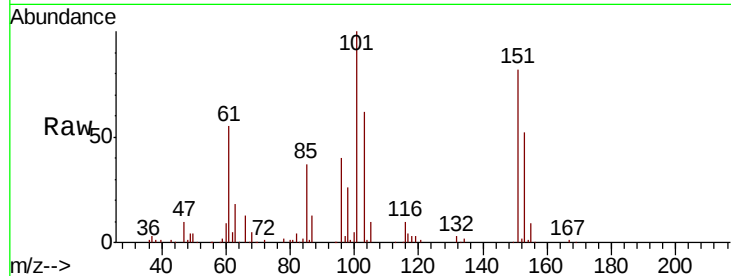
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128712
Ion Ratio	Lower	Upper	
101	100		
85	40.8	31.6	47.4
151	85.1	67.5	101.3

Manual Integrations
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#10

Methyl Iodide

Concen: 51.005 ug/l

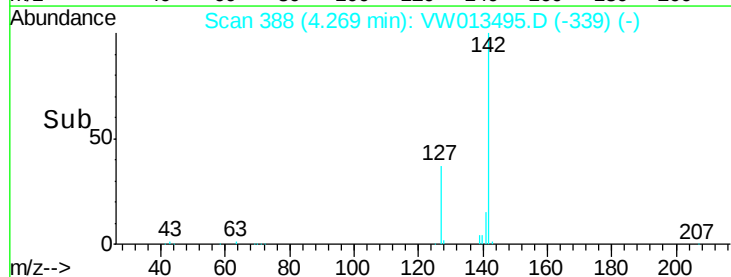
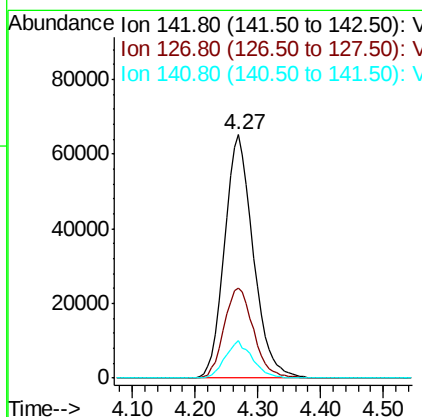
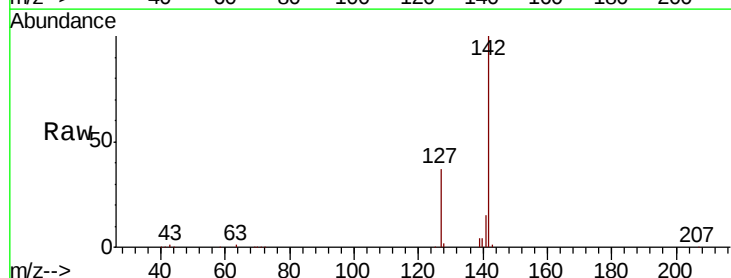
RT: 4.27 min Scan# 388

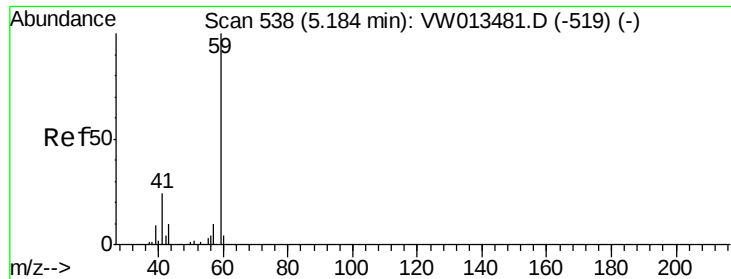
Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Tgt Ion:	142	Resp:	206590
Ion Ratio	Lower	Upper	
142	100		
127	37.8	29.6	44.4
141	14.7	12.1	18.1





#11

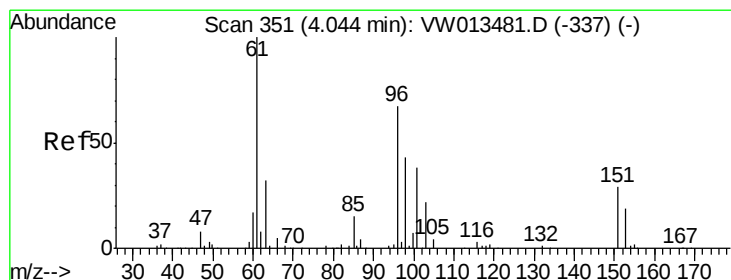
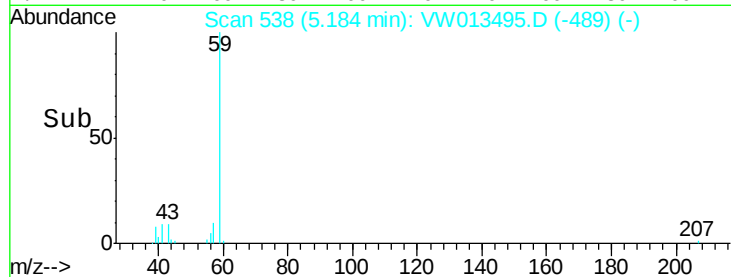
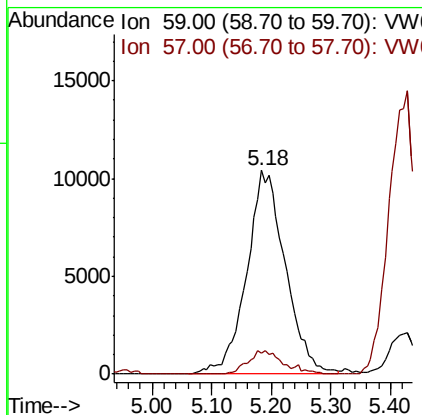
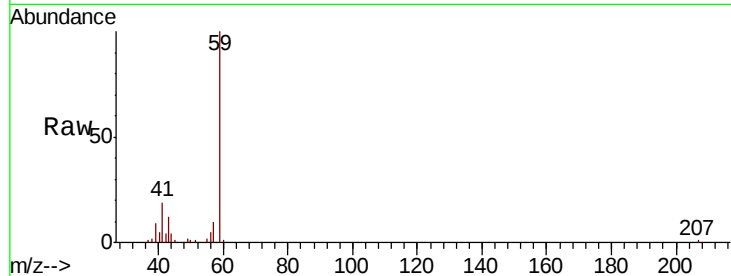
Tert butyl alcohol
Concen: 282.435 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.2	12.4

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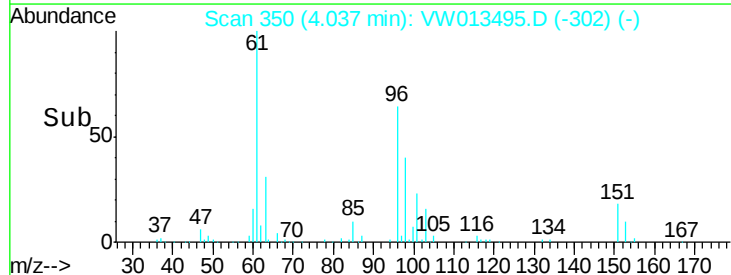
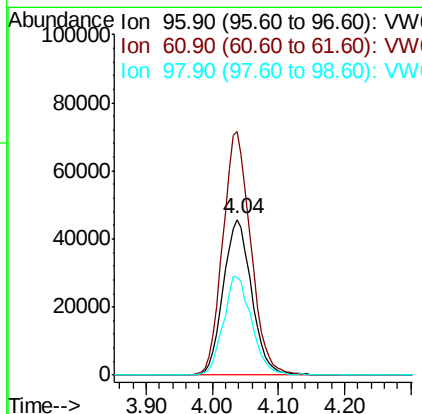
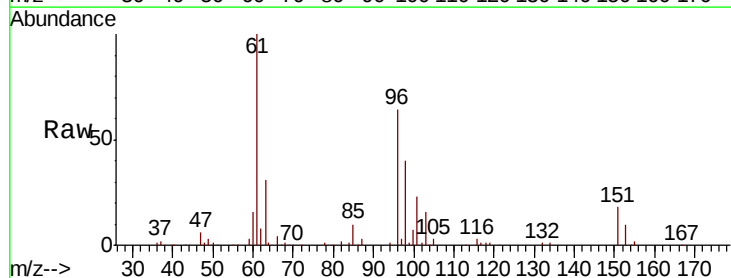
MMDadoda
10/11/2019 4:40:29 PM

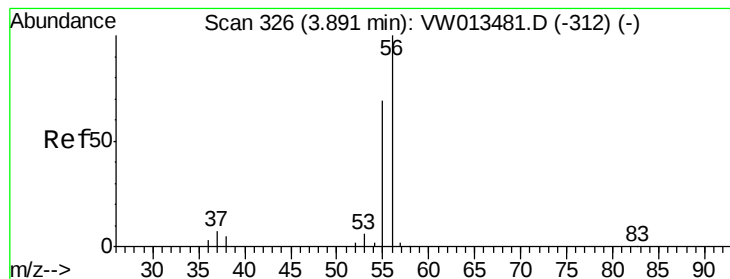


#12

1,1-Dichloroethene
Concen: 51.166 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	119.4	179.0
98	62.4	51.1	76.7





#13

Acrolein

Concen: 294.098 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 62285

Ion Ratio Lower Upper

56 100

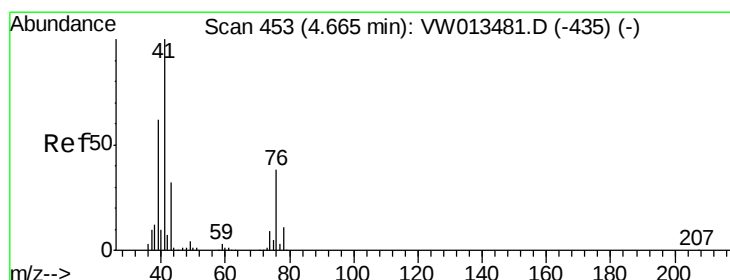
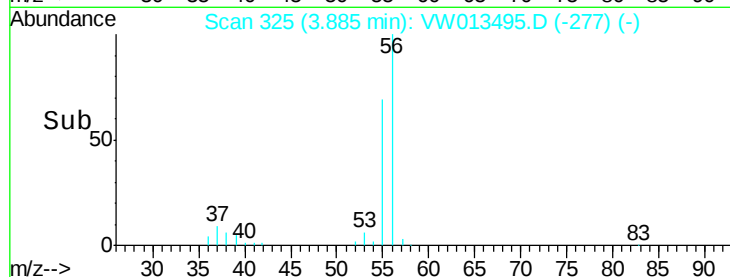
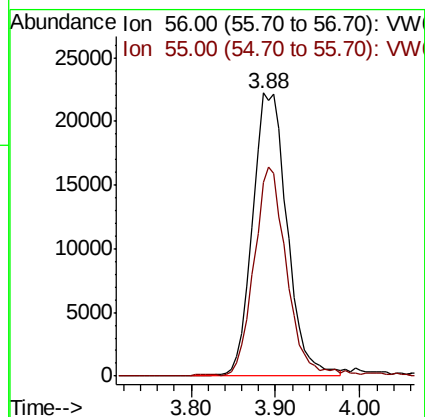
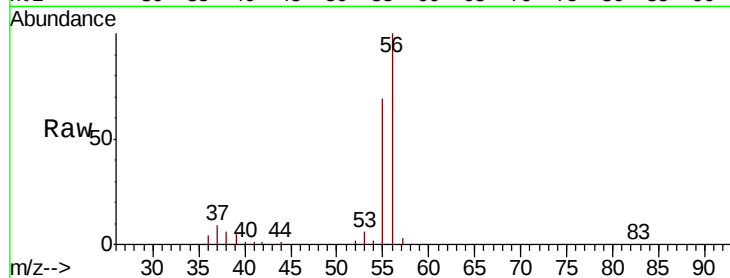
55 68.6 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 52.145 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

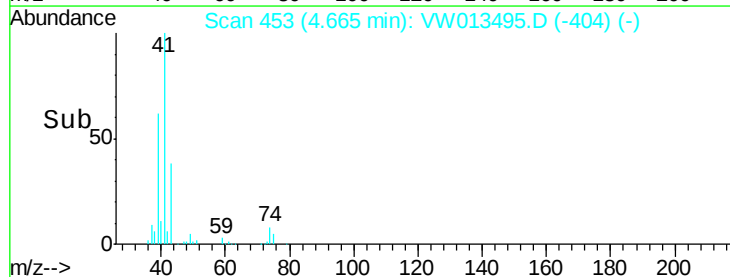
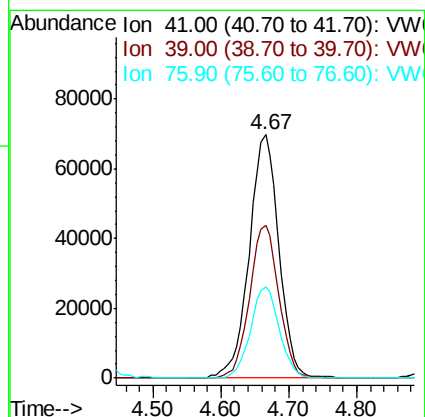
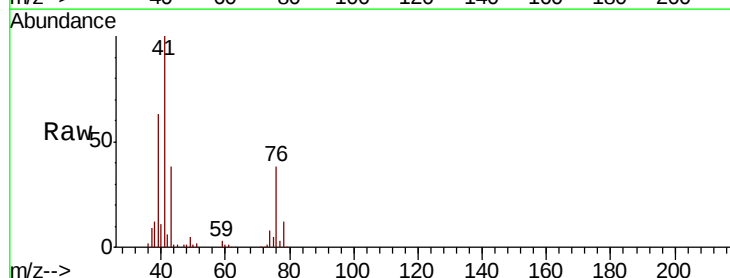
Tgt Ion: 41 Resp: 212420

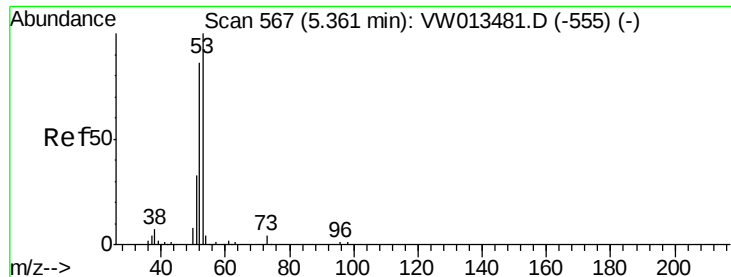
Ion Ratio Lower Upper

41 100

39 62.2 50.1 75.1

76 36.4 29.0 43.4





#15

Acrylonitrile

Concen: 274.766 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

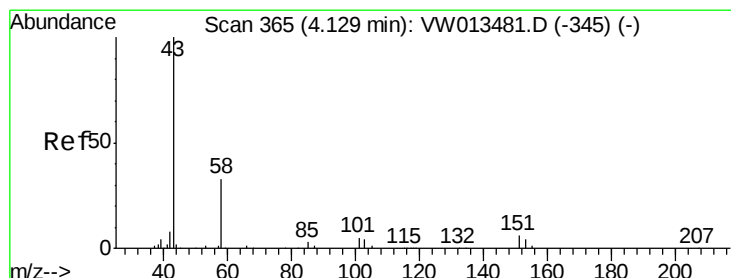
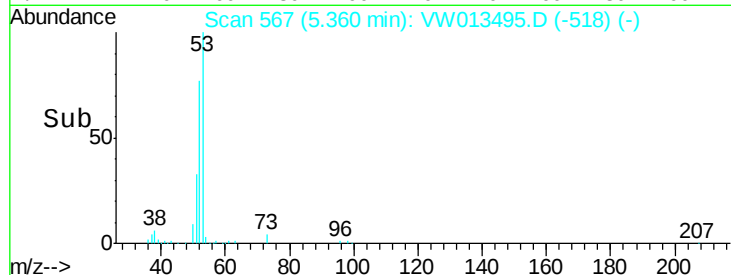
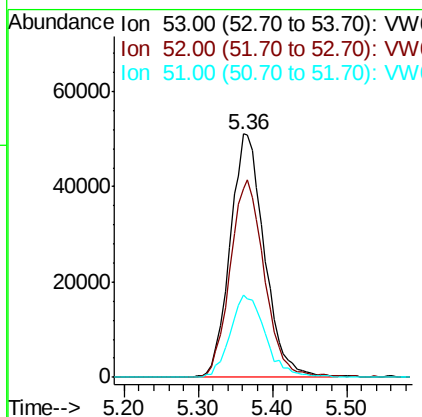
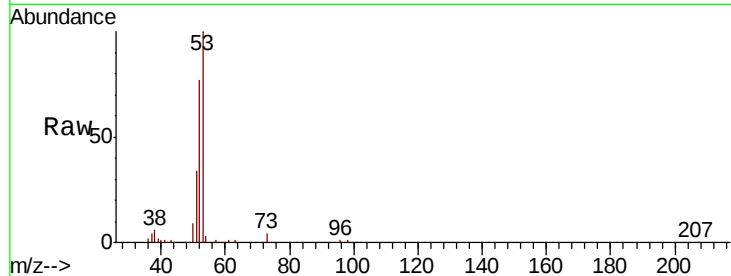
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	164965
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.8	98.8
51	34.8	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 301.533 ug/l

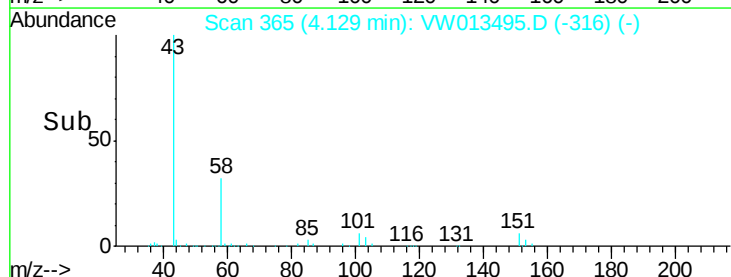
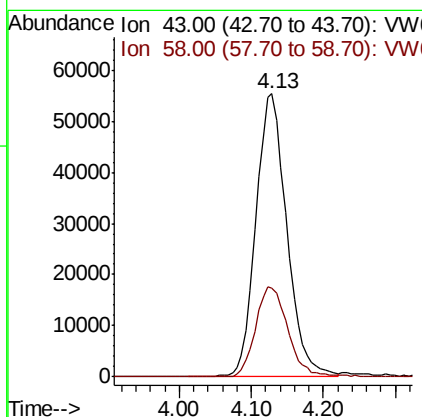
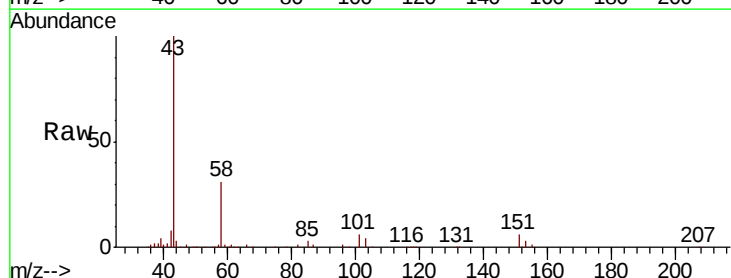
RT: 4.13 min Scan# 365

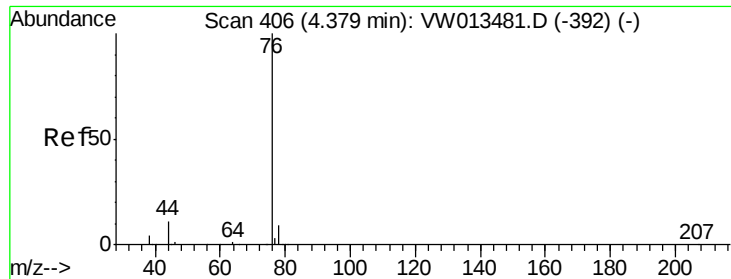
Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Tgt Ion:	43	Resp:	165578
Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.1	39.1





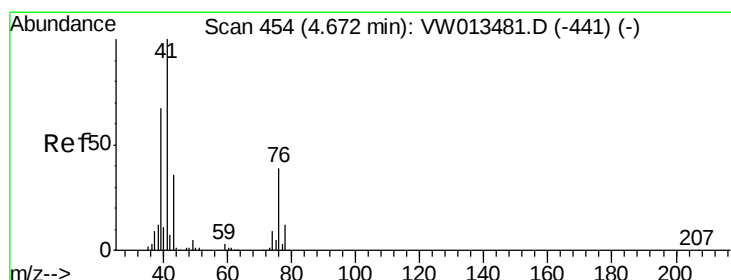
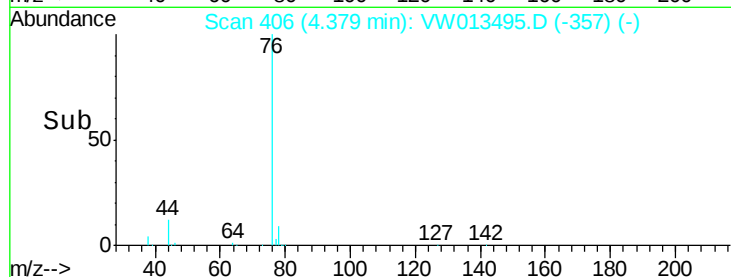
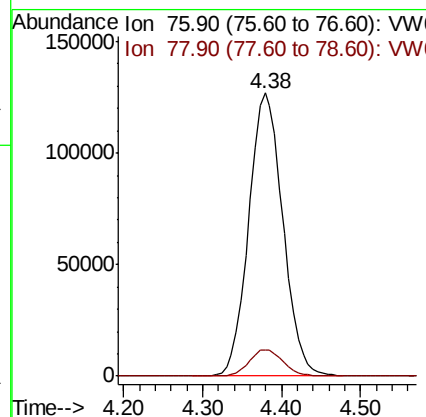
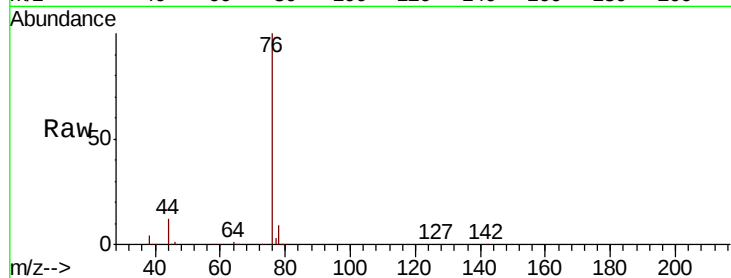
#17
Carbon Disulfide
Concen: 51.336 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

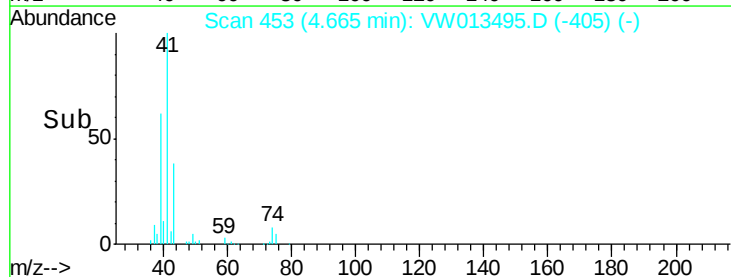
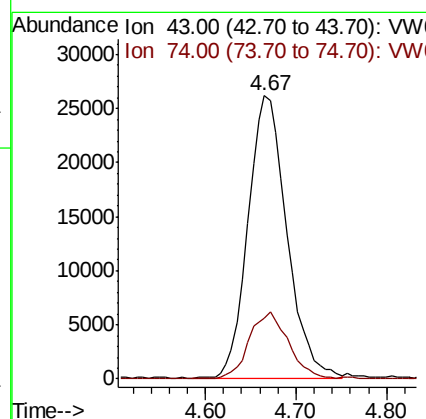
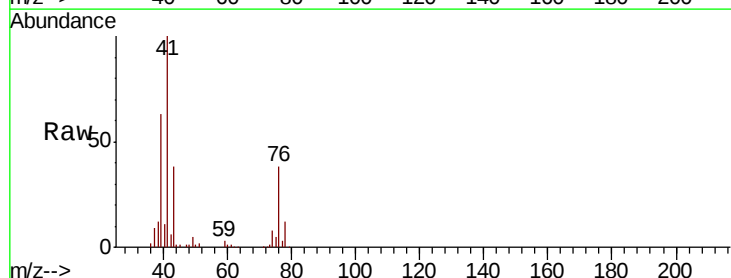
Manual Integrations
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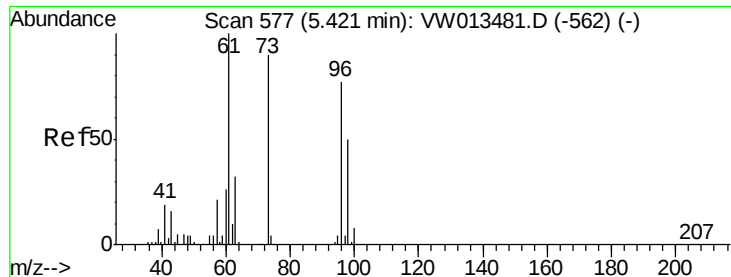
MMDadoda
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#18
Methyl Acetate
Concen: 49.149 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.6	29.4





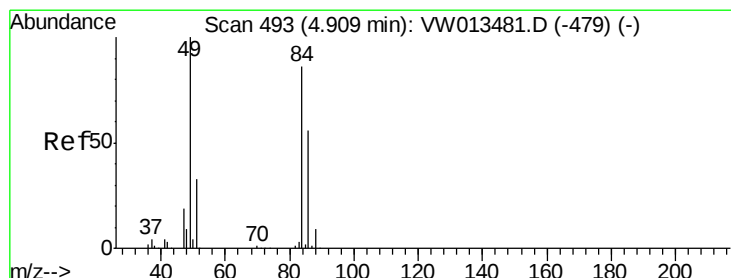
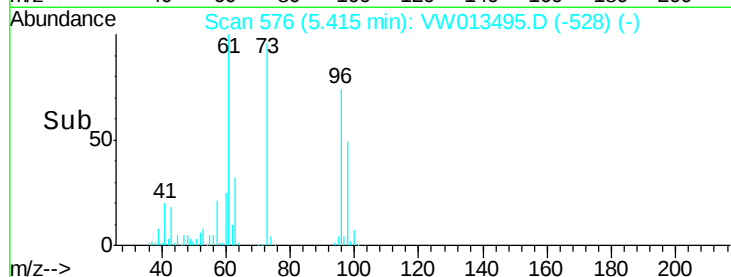
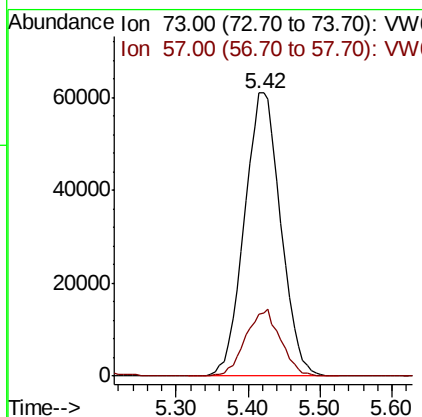
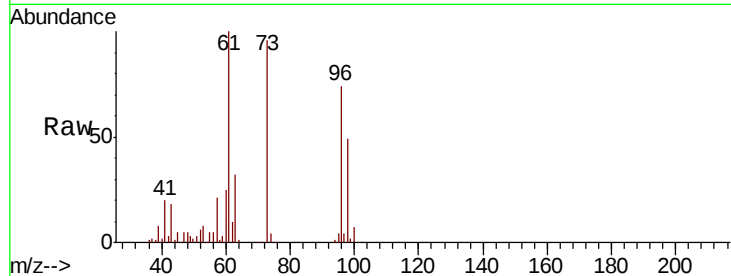
#19
Methvl tert-butvl Ether
Concen: 53.360 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 213890
Ion Ratio Lower Upper
73 100
57 22.1 18.6 27.8

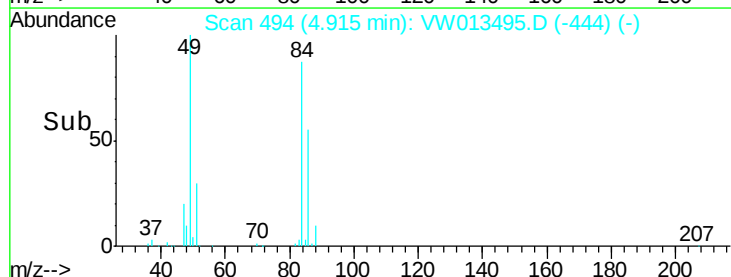
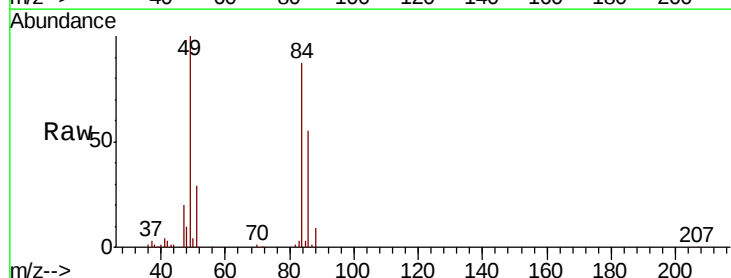
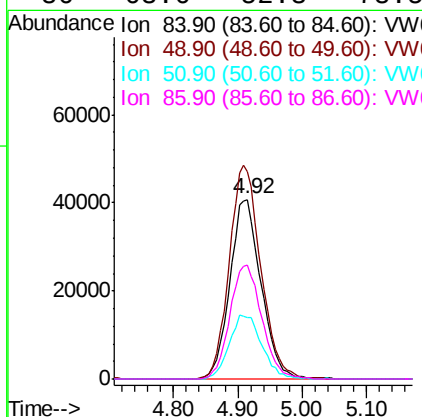
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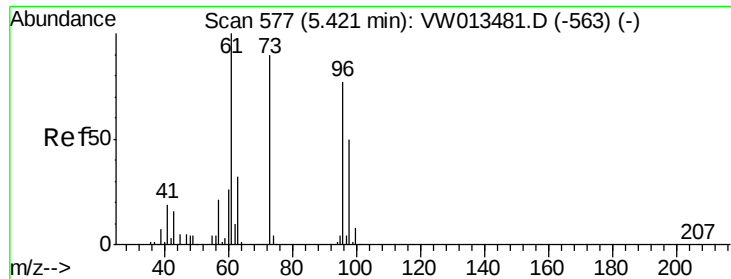
MMDadoda
10/11/2019 4:40:29 PM



#20
Methylene Chloride
Concen: 51.980 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 84 Resp: 137675
Ion Ratio Lower Upper
84 100
49 115.2 93.4 140.0
51 34.0 30.6 46.0
86 63.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.061 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

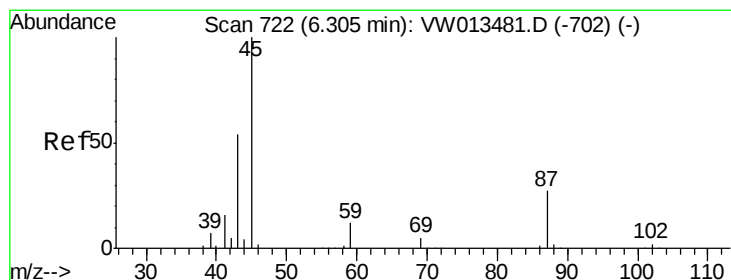
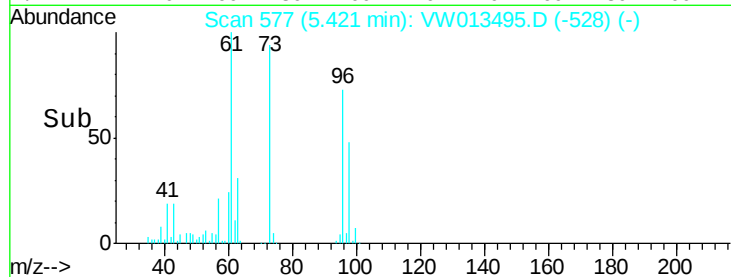
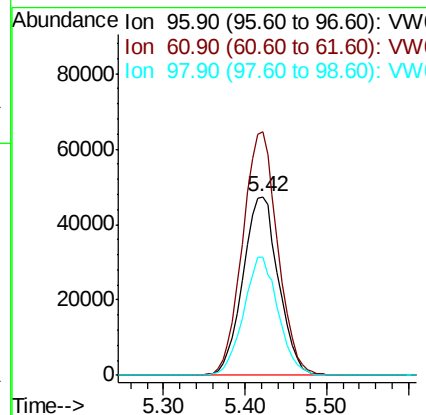
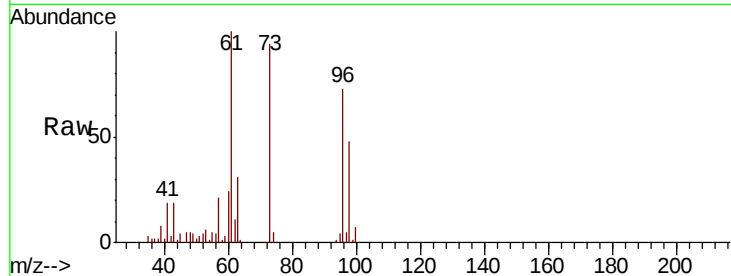
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	143829
Ion	Ratio	Lower	Upper
96	100		
61	136.1	104.3	156.5
98	66.0	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.772 ug/l

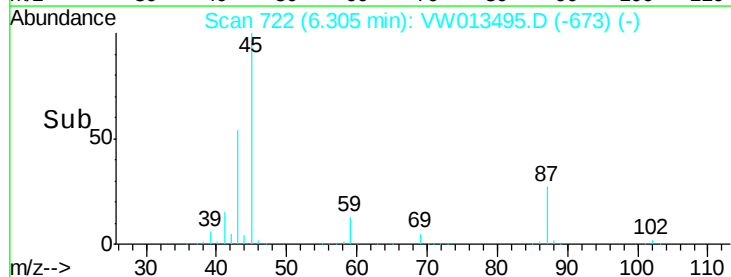
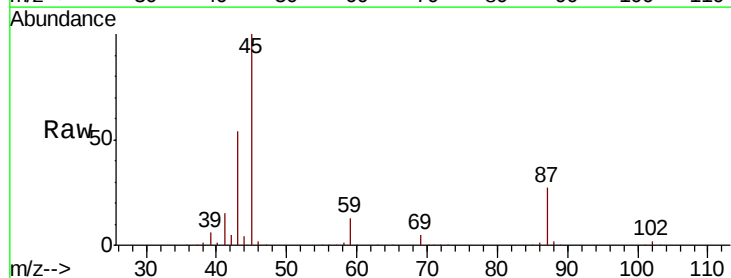
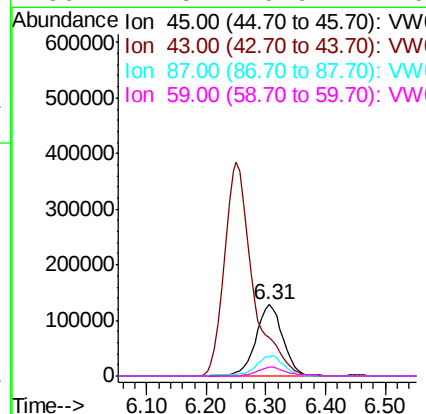
RT: 6.31 min Scan# 722

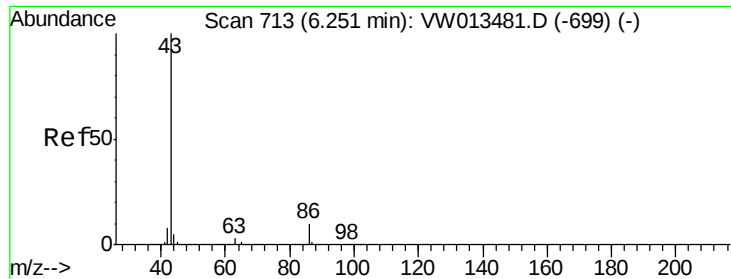
Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Tgt Ion:	45	Resp:	402782
Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.4	65.0
87	26.9	22.1	33.1
59	12.5	9.9	14.9





#23

Vinyl Acetate

Concen: 275.981 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1264632

Ion Ratio Lower Upper

43 100

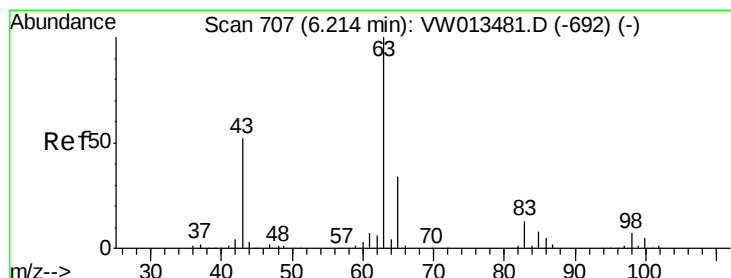
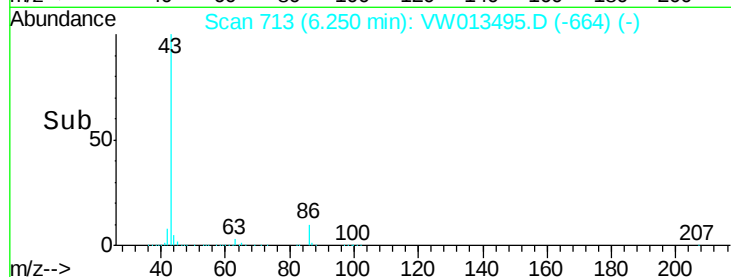
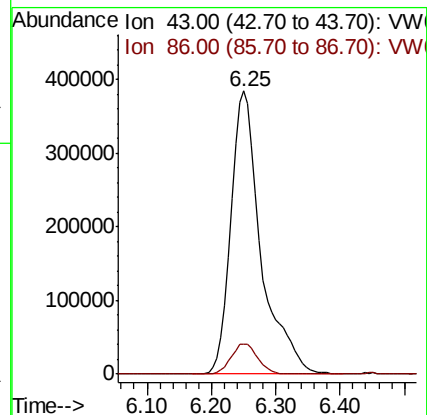
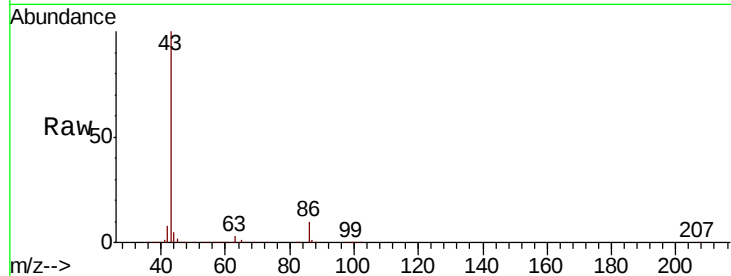
86 10.4 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.374 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

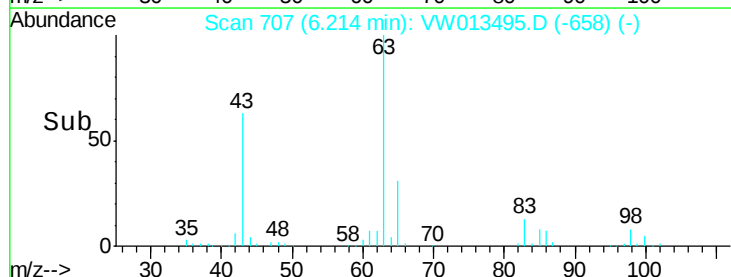
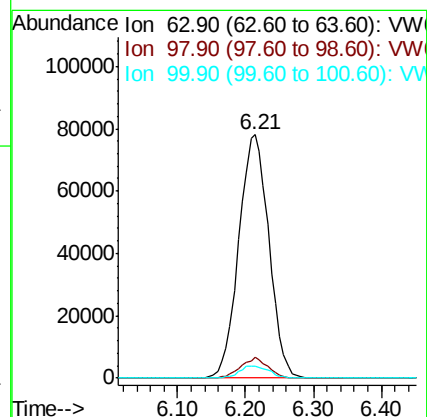
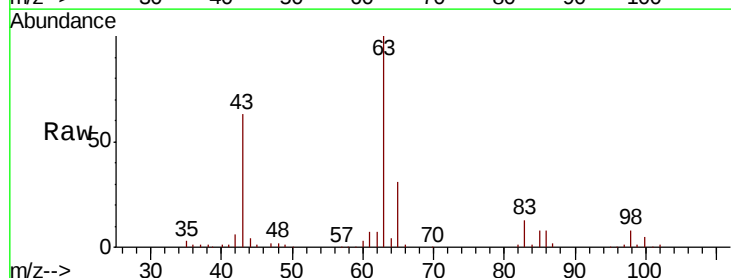
Tgt Ion: 63 Resp: 239663

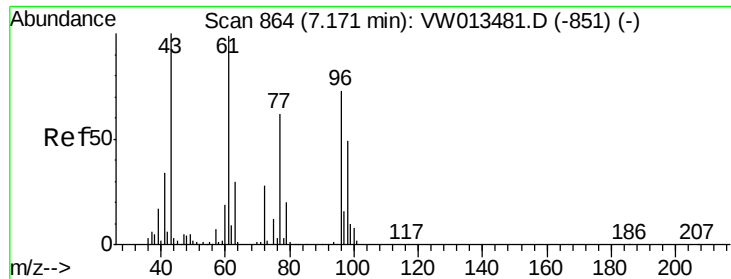
Ion Ratio Lower Upper

63 100

98 8.4 3.5 10.6

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 276.131 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 223464

Ion Ratio Lower Upper

43 100

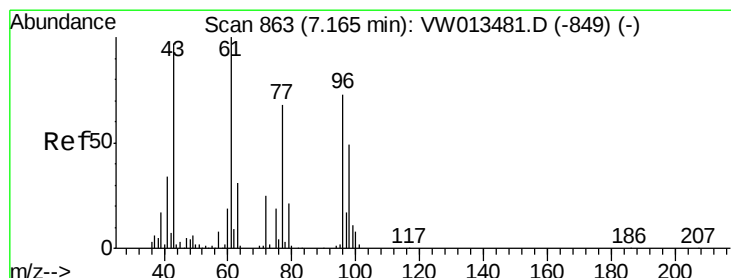
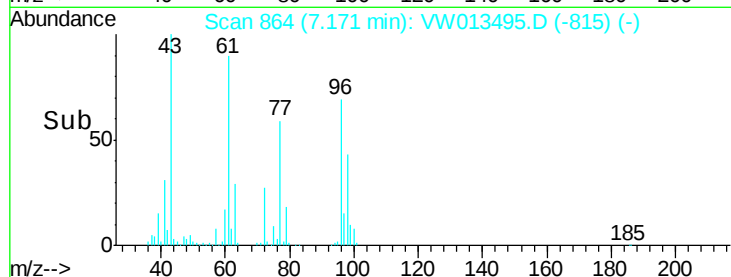
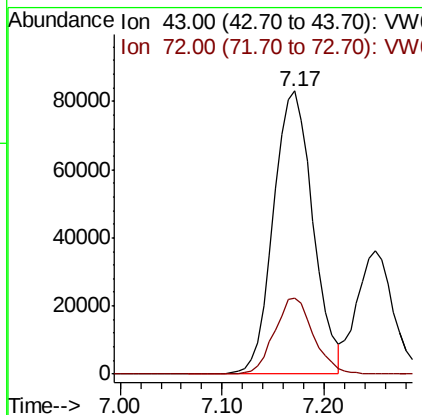
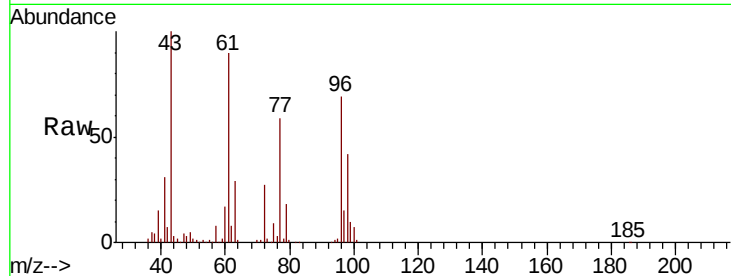
72 26.7 22.1 33.1

Manual Integrations

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10/11/2019 4:40:29 PM



#26

2,2-Dichloropropane

Concen: 51.081 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013495.D

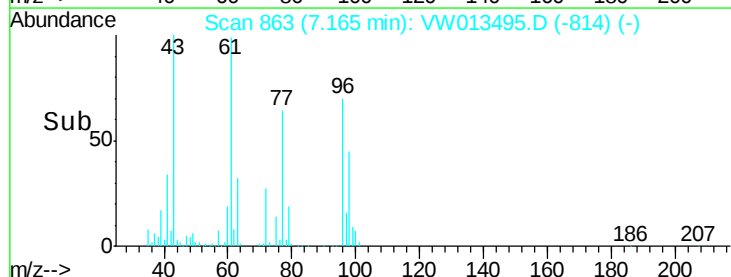
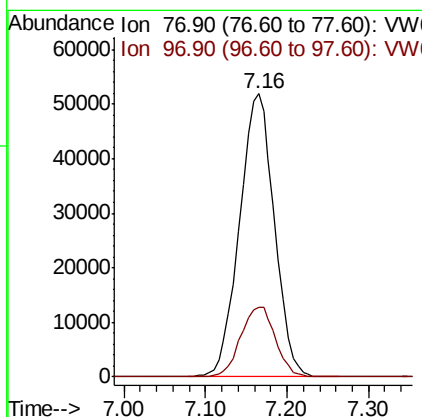
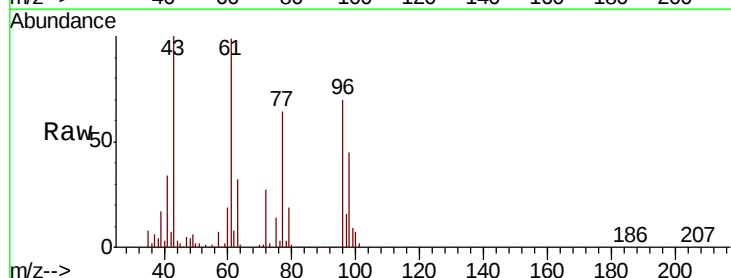
Acq: 09 Oct 2019 09:44

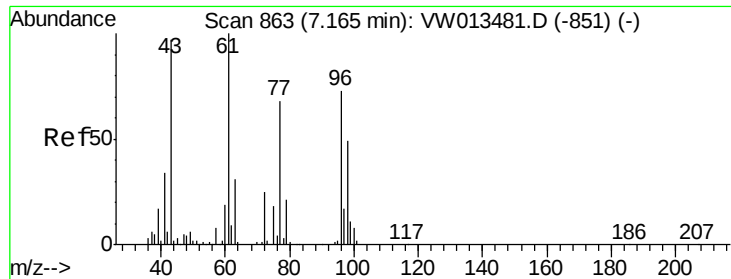
Tgt Ion: 77 Resp: 153620

Ion Ratio Lower Upper

77 100

97 24.5 12.6 37.6





#27

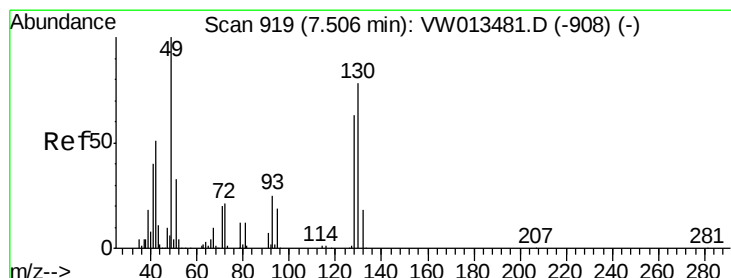
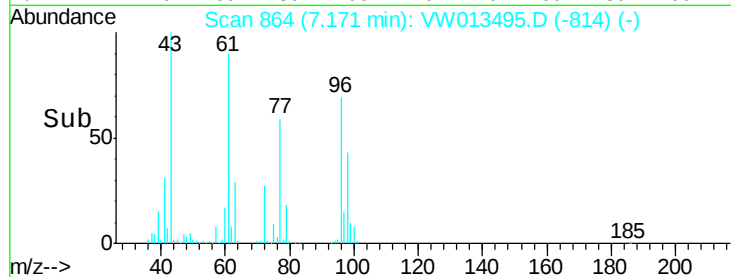
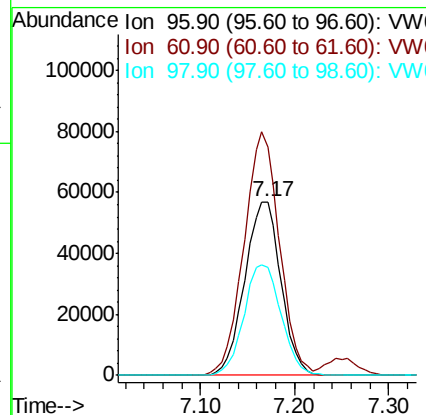
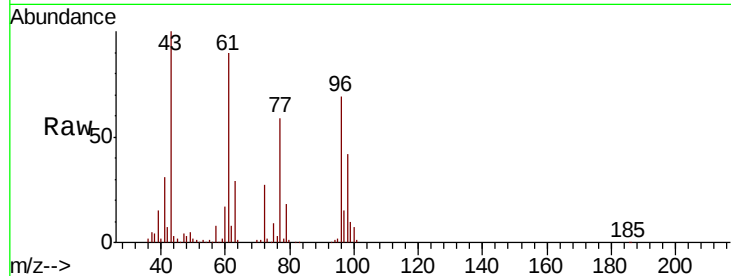
cis-1,2-Dichloroethene
 Concen: 51.498 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.1	0.0	274.4
98	65.1	0.0	130.2

Manual Integrations
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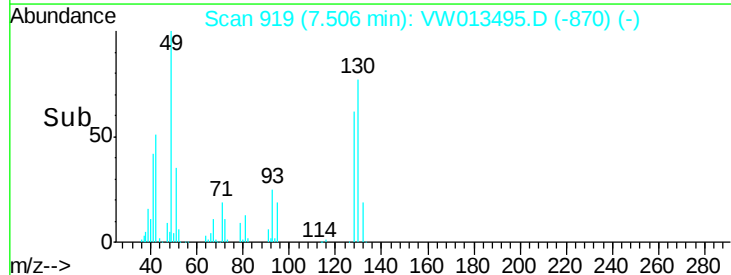
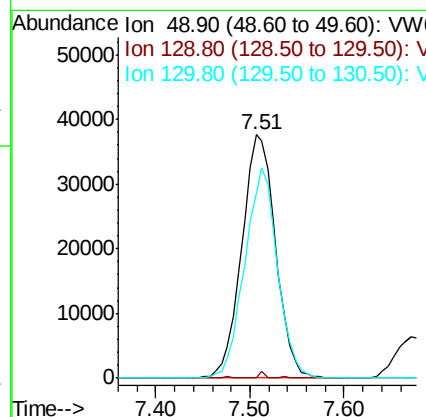
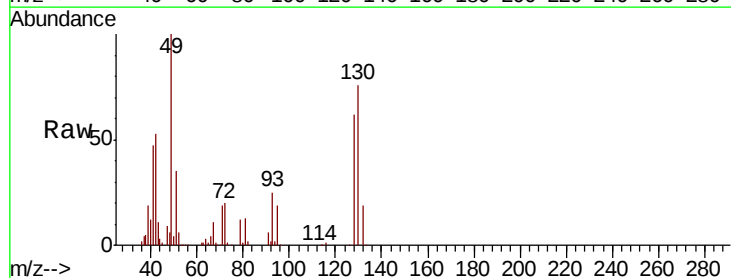
MMDadoda
 10/11/2019 4:40:29 PM

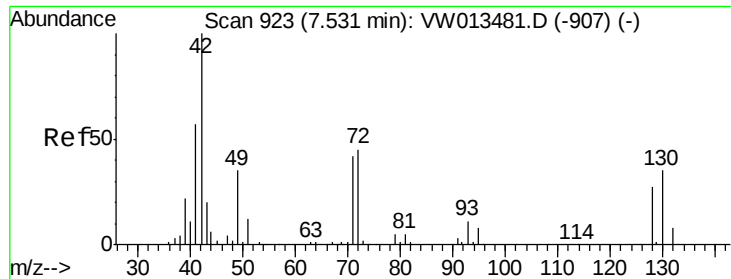


#28

Bromochloromethane
 Concen: 52.030 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.6
130	83.8	0.0	0.0#





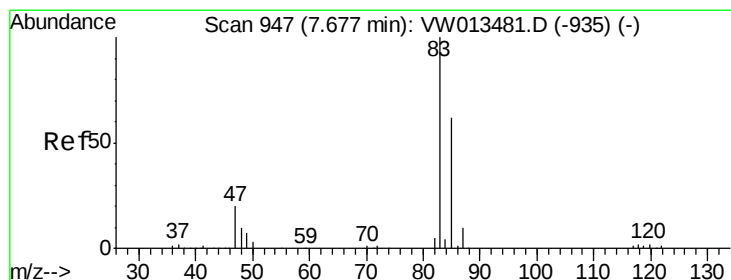
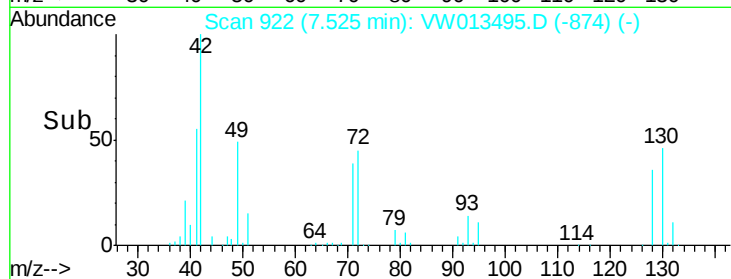
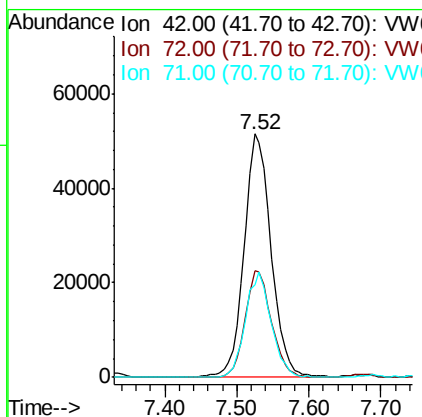
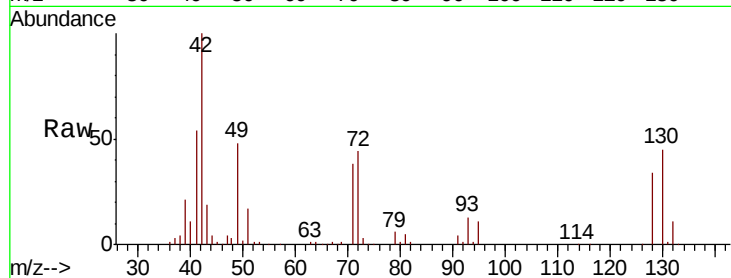
#29
Tetrahydrofuran
Concen: 269.559 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.8	52.2
71	41.4	33.6	50.4

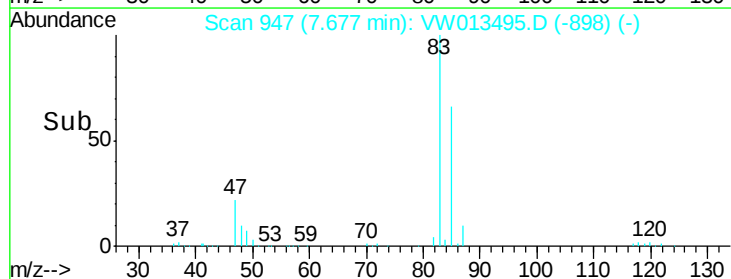
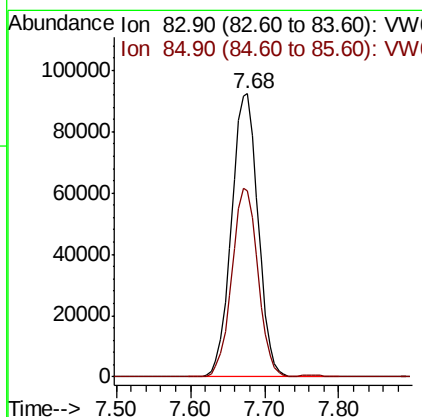
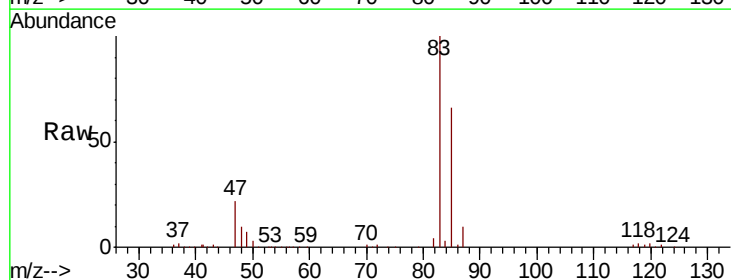
Manual Integrations
APPROVED

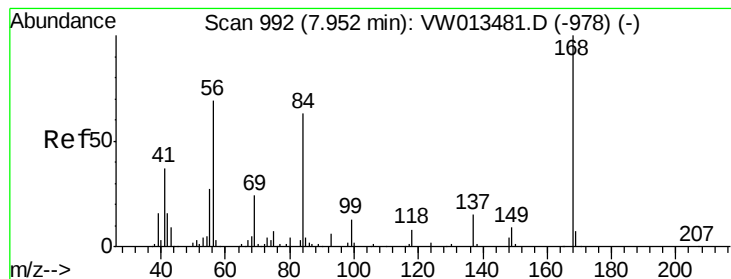
MMDadoda
10/11/2019 4:40:29 PM



#30
Chloroform
Concen: 51.193 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.4	74.2





#31

Cyclohexane

Concen: 49.394 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 243891

Ion Ratio Lower Upper

56 100

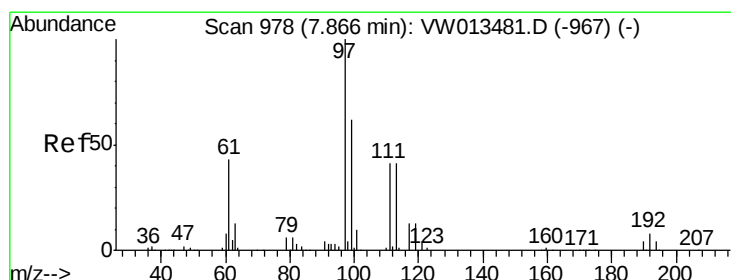
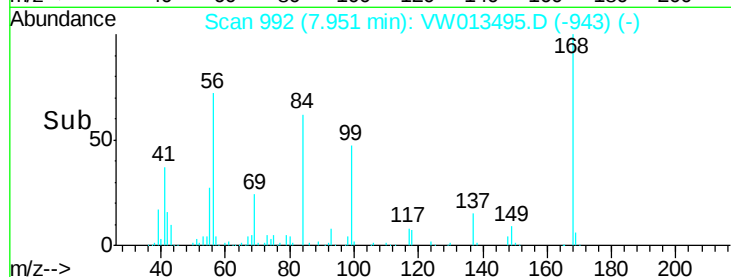
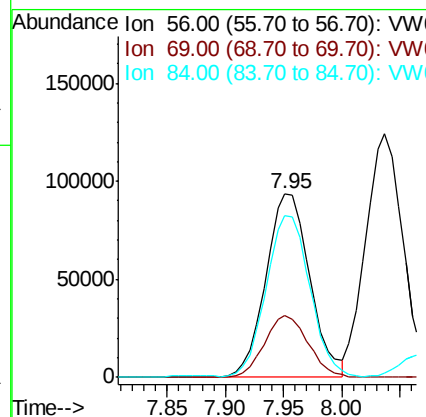
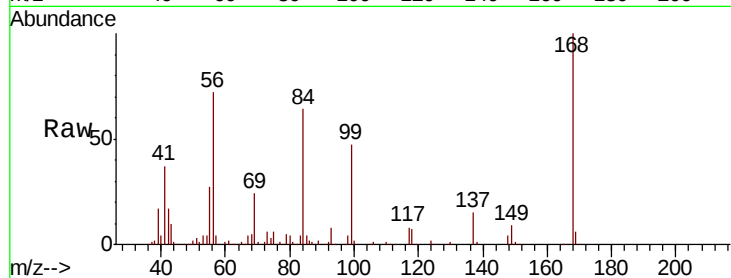
69 33.7 28.0 42.0

84 87.5 71.8 107.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.939 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

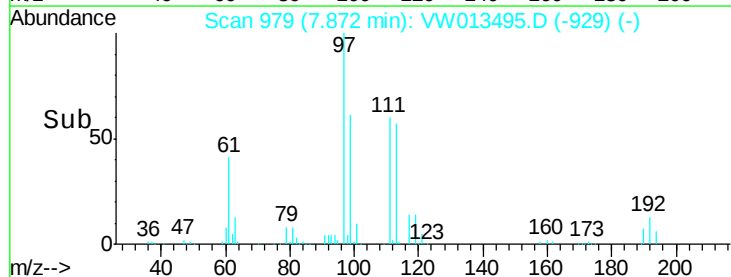
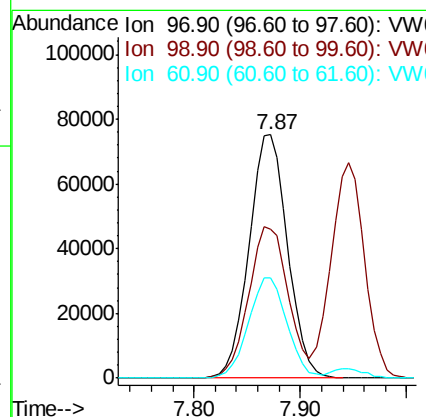
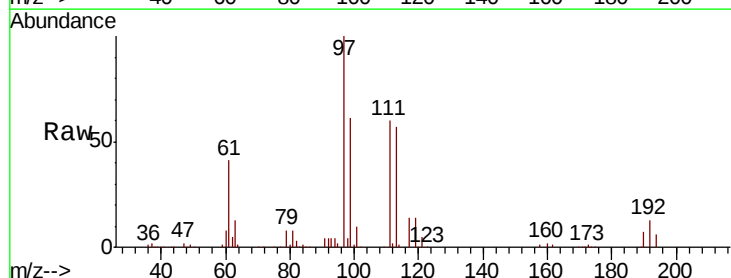
Tgt Ion: 97 Resp: 190518

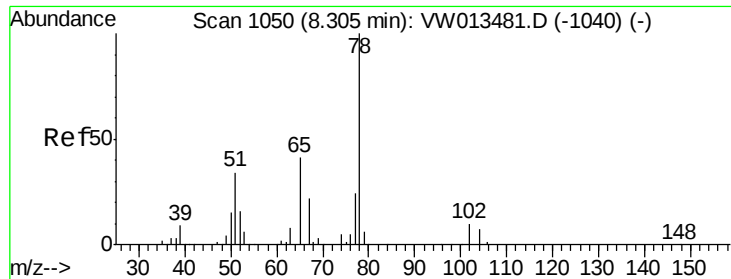
Ion Ratio Lower Upper

97 100

99 64.4 52.3 78.5

61 41.4 33.7 50.5





#33

1,2-Dichloroethane-d4

Concen: 51.518 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 121568

Ion Ratio Lower Upper

65 100

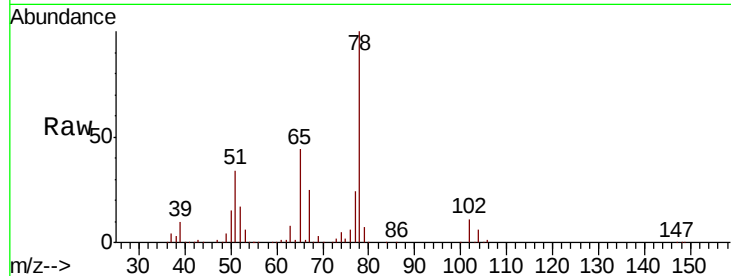
67 54.4 0.0 109.4

Manual Integrations

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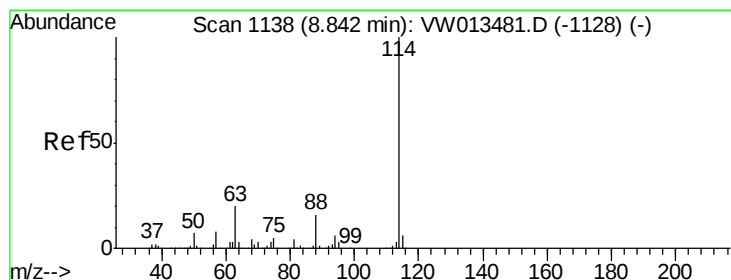
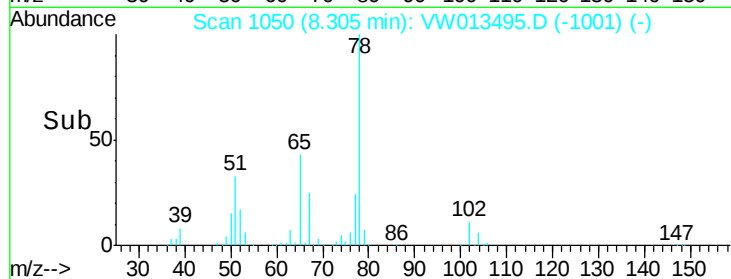
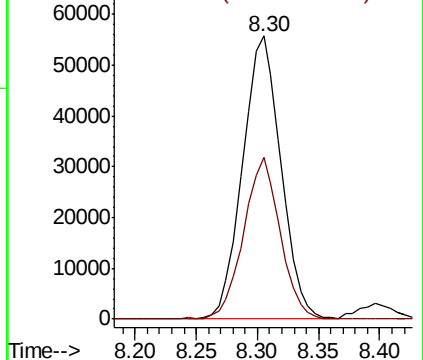
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

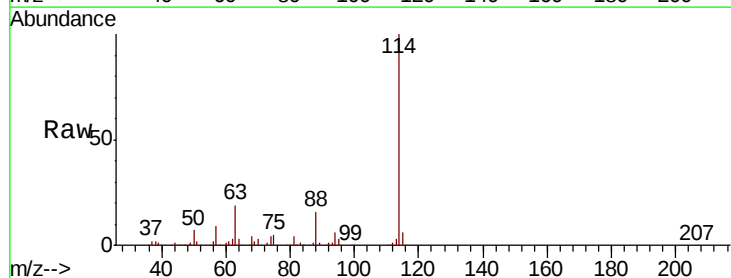
Tgt Ion: 114 Resp: 434283

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.4

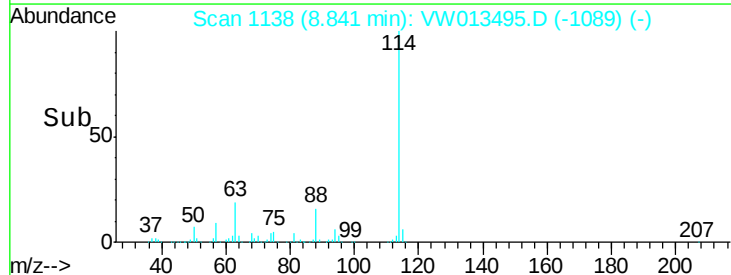
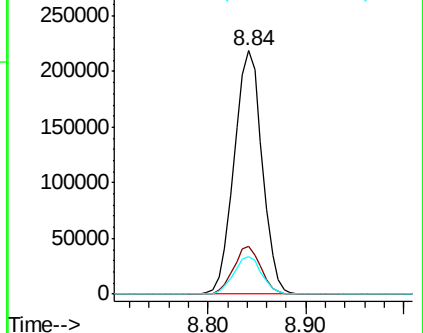
88 15.6 0.0 31.4

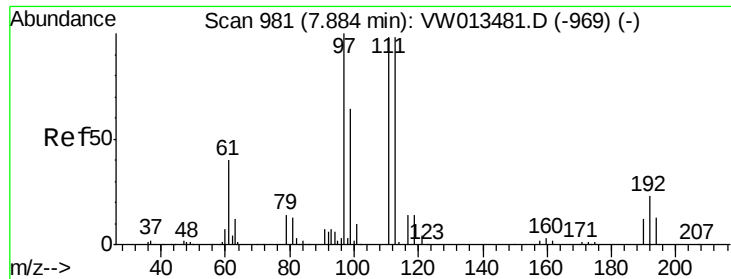


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





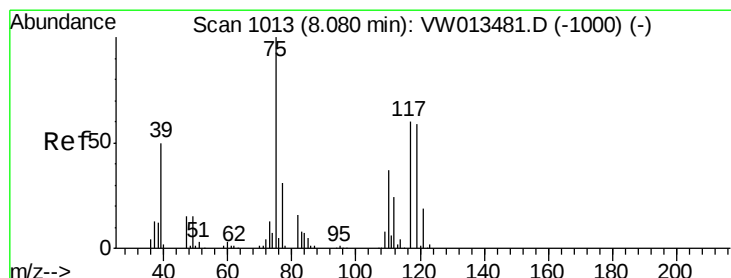
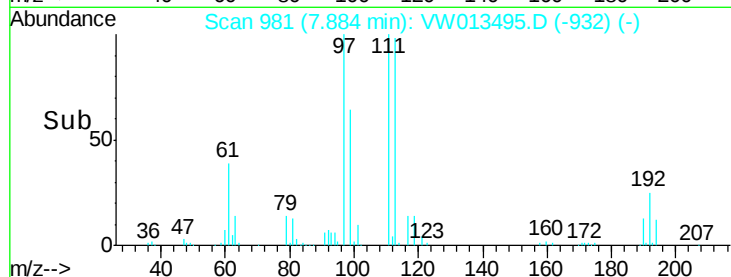
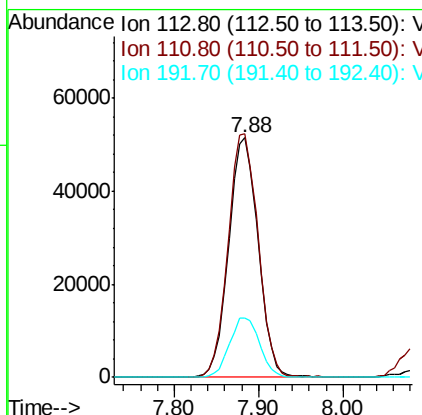
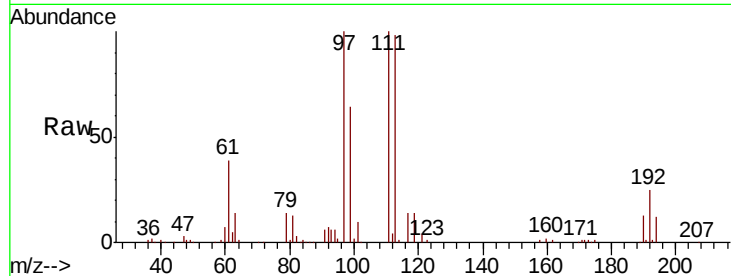
#35
 Dibromofluoromethane
 Concen: 50.334 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	122089		
111	103.6	82.3	123.5	
192	25.3	19.3	28.9	

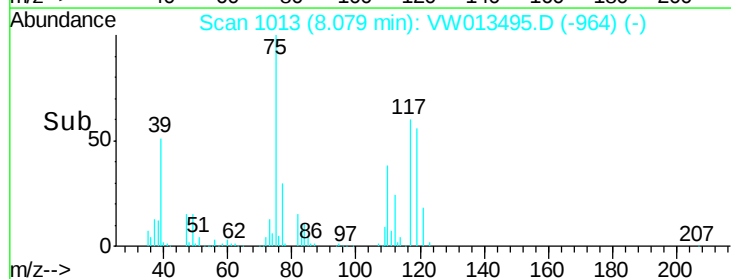
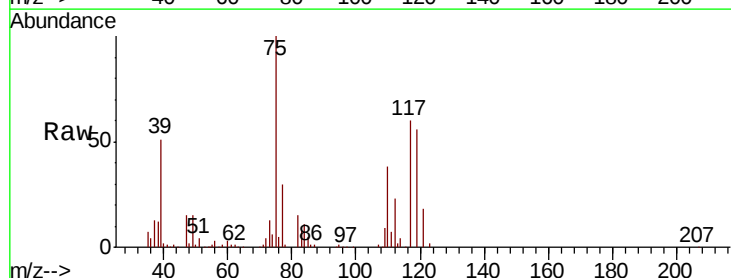
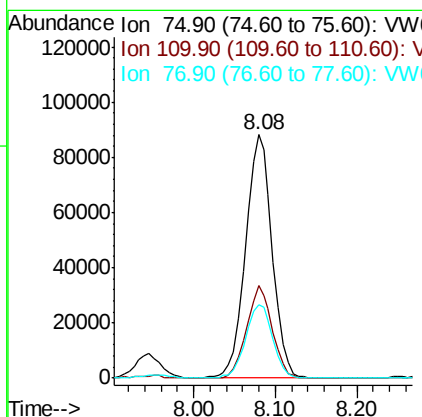
Manual Integrations
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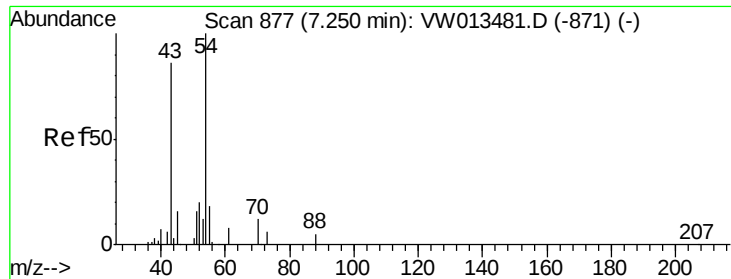
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.789 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199532		
110	36.4	18.4	55.2	
77	31.0	25.0	37.4	





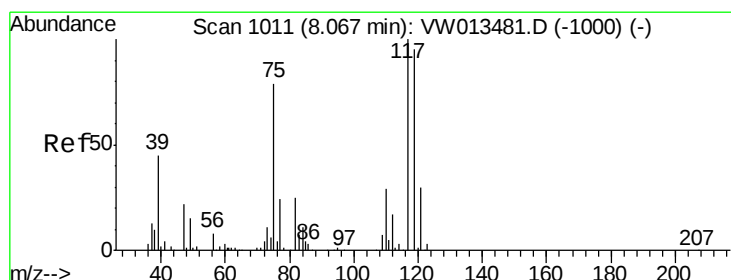
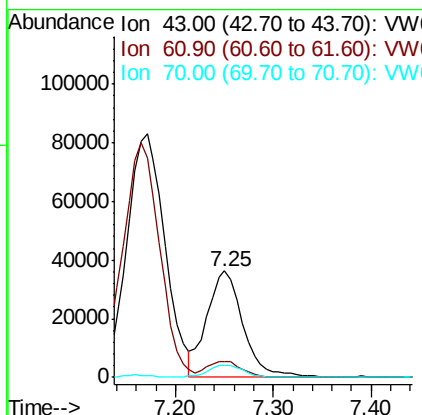
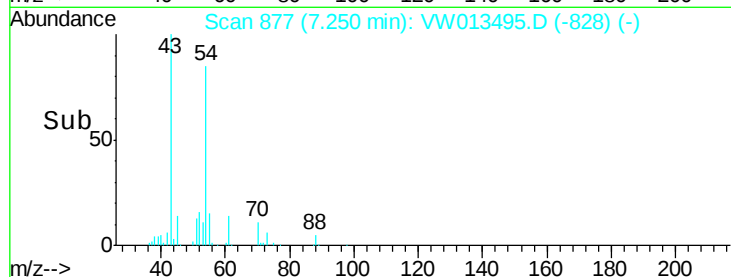
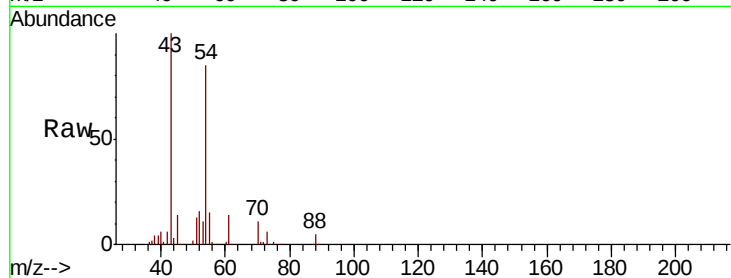
#37
Ethyl Acetate
Concen: 51.932 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.9	16.3
70	11.5	9.2	13.8

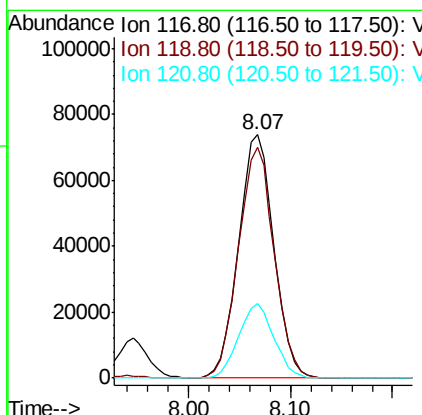
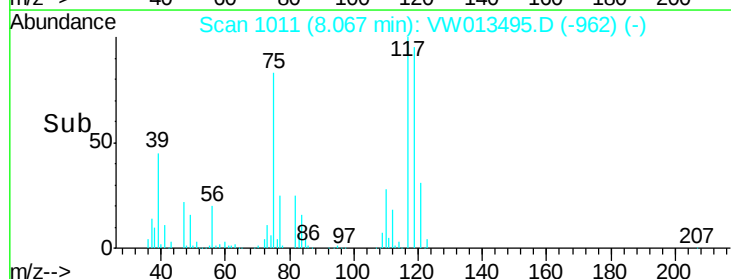
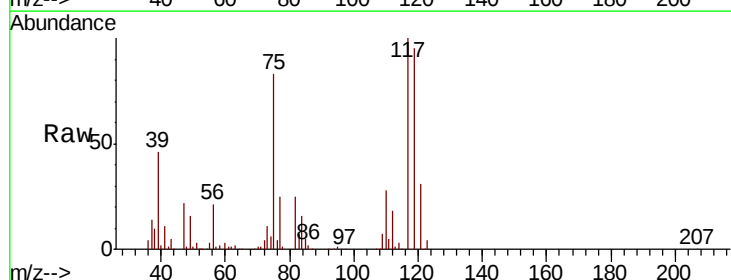
Manual Integrations
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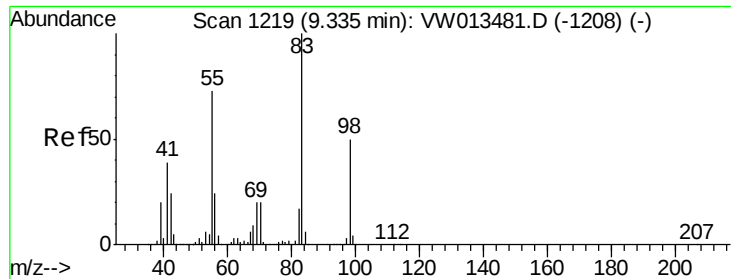
MMDadoda
10/11/2019 4:40:29 PM



#38
Carbon Tetrachloride
Concen: 51.018 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.3	114.5
121	30.7	23.6	35.4





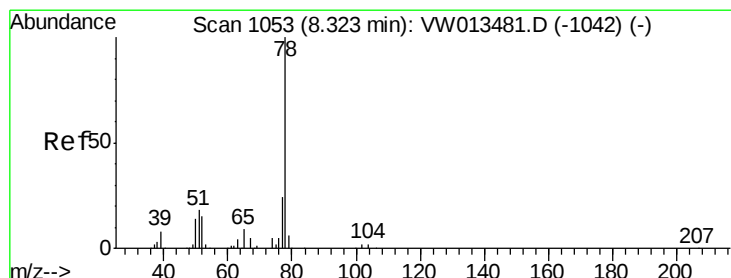
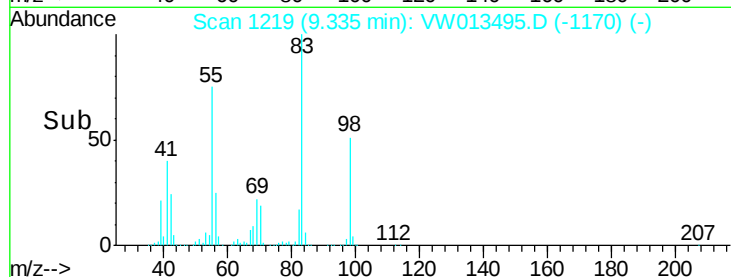
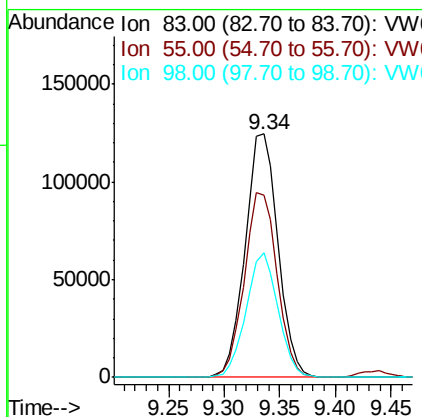
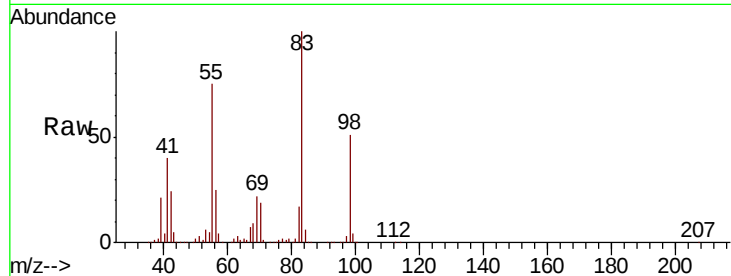
#39
Methvlcvclohexane
Concen: 50.286 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	58.2	87.4
98	51.0	39.8	59.6

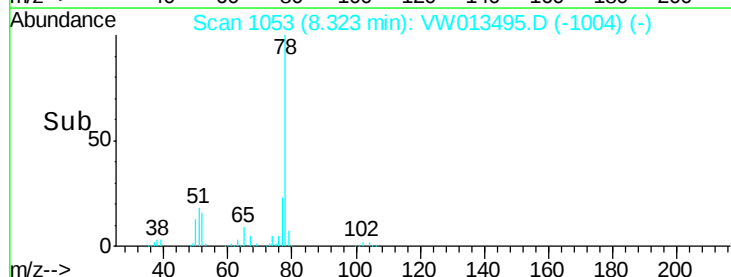
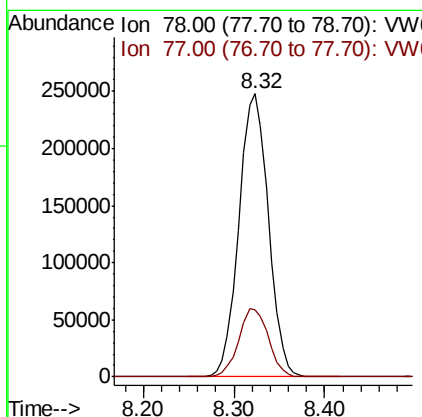
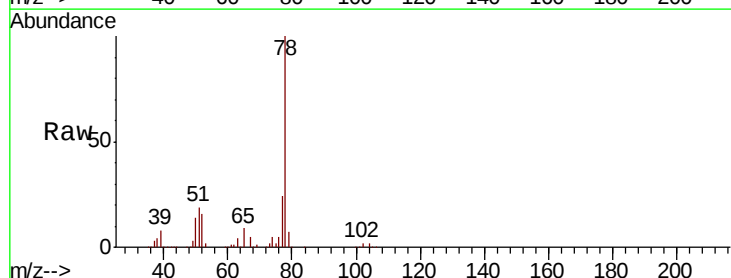
Manual Integrations
APPROVED

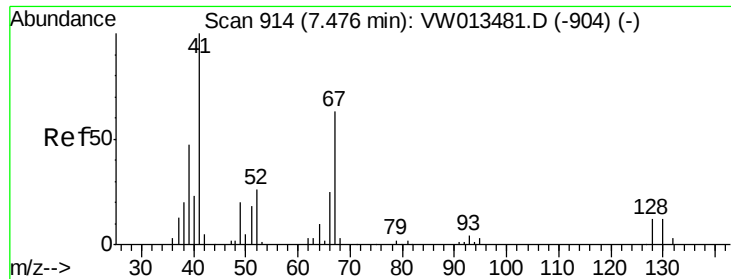
MMDadoda
10/11/2019 4:40:29 PM



#40
Benzene
Concen: 50.936 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





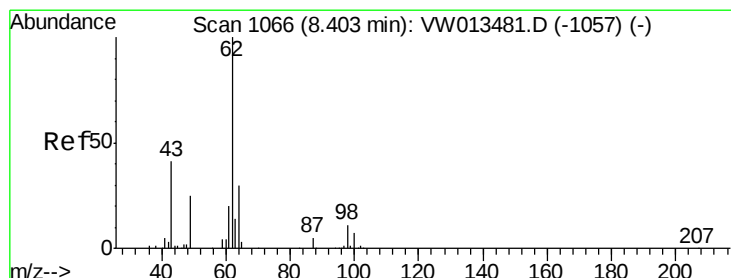
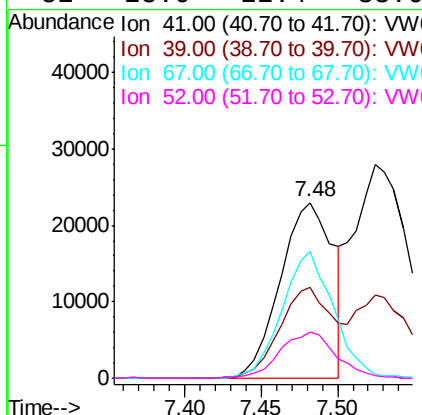
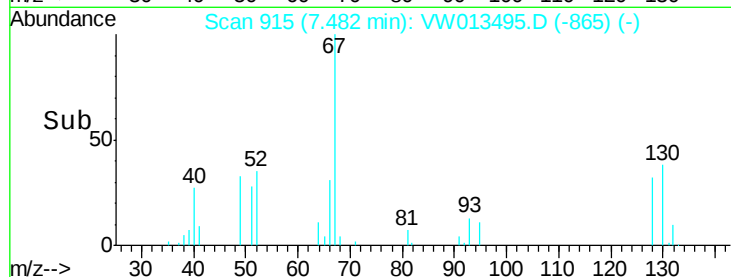
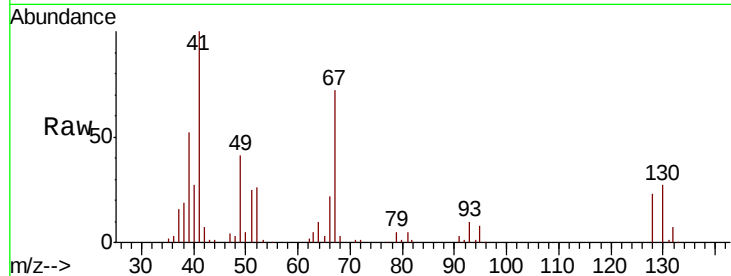
#41
Methacrylonitrile
Concen: 54.445 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	55186
Ion	Ratio	Lower	Upper
41	100		
39	54.8	39.4	59.0
67	70.8	57.0	85.6
52	28.0	22.4	33.6

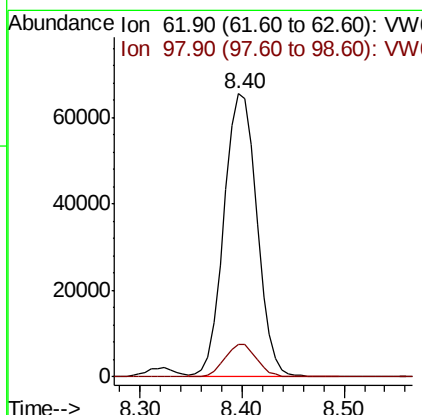
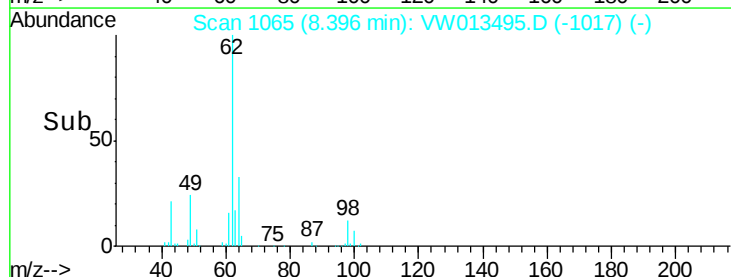
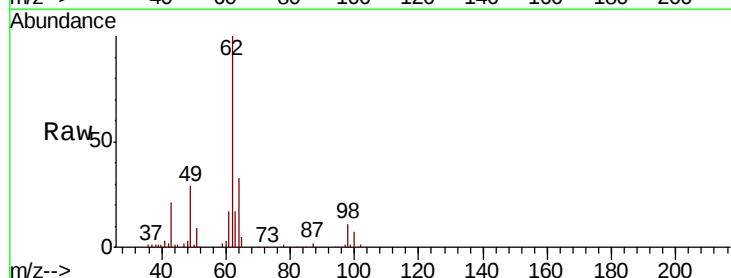
Manual Integrations
APPROVED

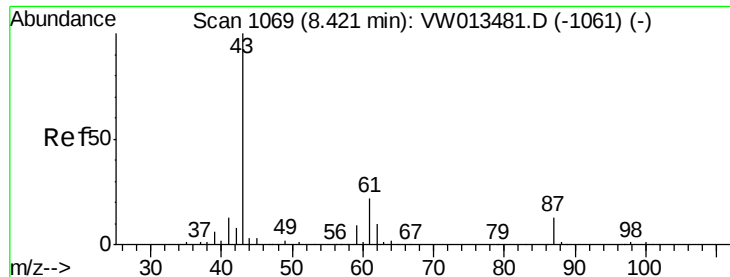
MMDadoda
10/11/2019 4:40:29 PM



#42
1,2-Dichloroethane
Concen: 52.998 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion:	62	Resp:	146908
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.4





#43

Isopropyl Acetate

Concen: 52.209 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

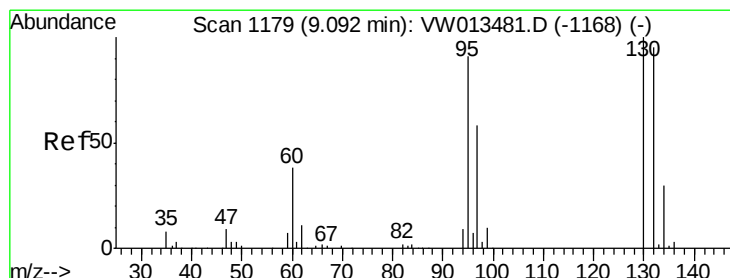
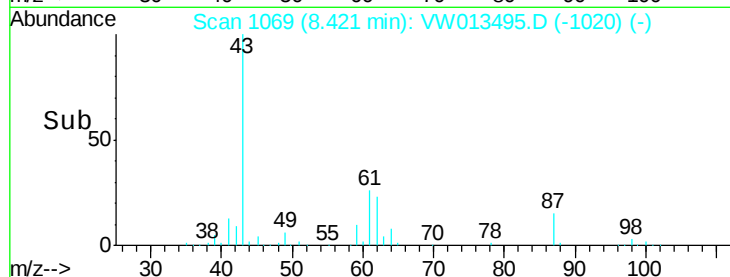
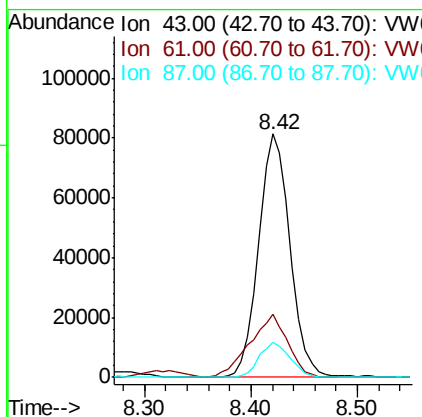
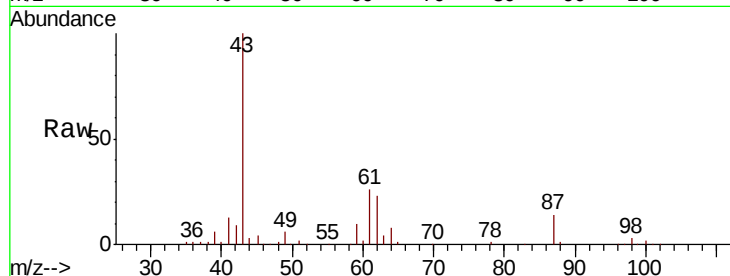
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	168129
Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.4	38.2
87	14.3	10.8	16.2

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#44

Trichloroethene

Concen: 50.864 ug/l

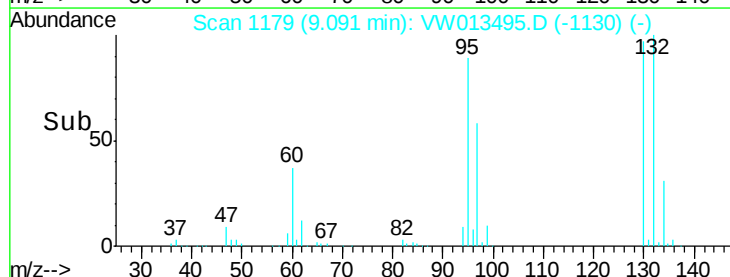
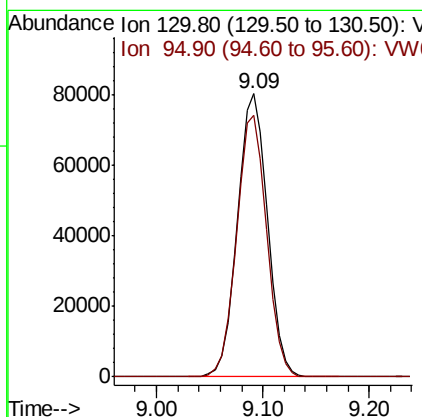
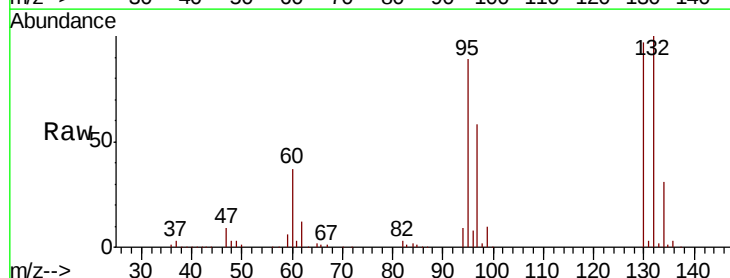
RT: 9.09 min Scan# 1179

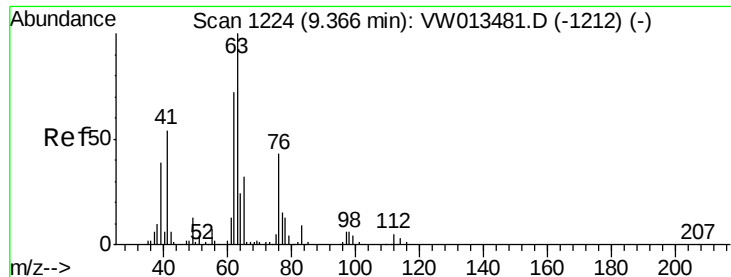
Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Tgt Ion:	130	Resp:	159130
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	182.2





#45

1,2-Dichloropropane

Concen: 51.619 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 135870

Ion Ratio Lower Upper

63 100

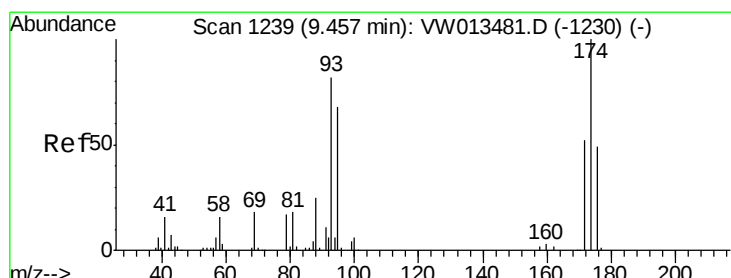
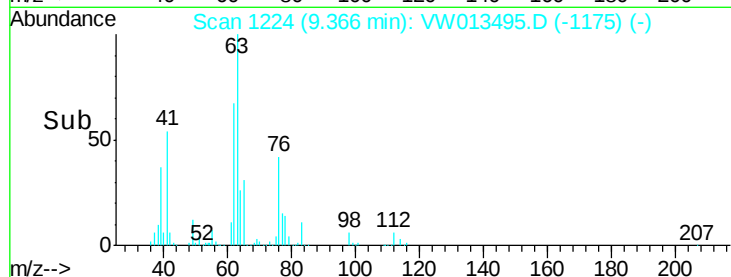
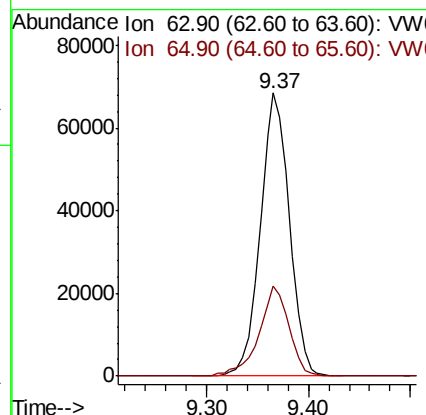
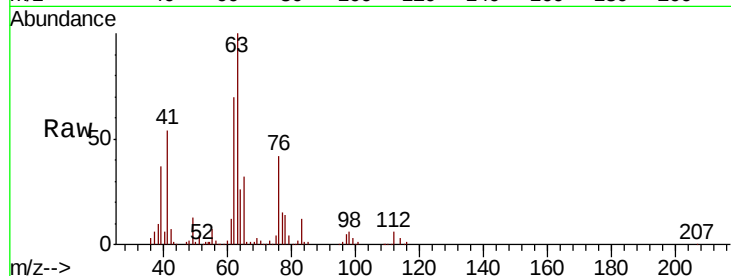
65 31.6 25.8 38.6

Manual Integrations

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#46

Dibromomethane

Concen: 51.965 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

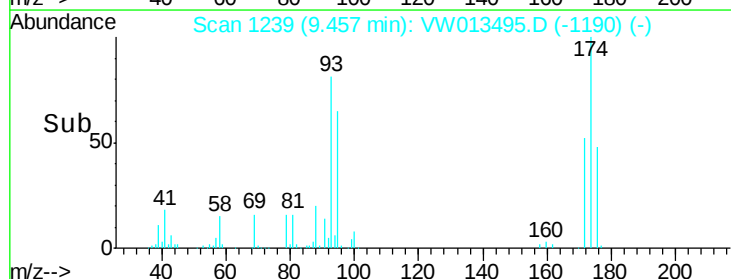
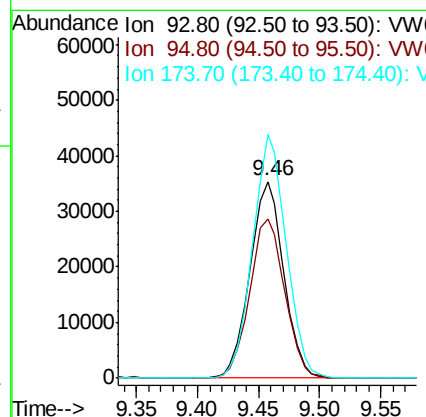
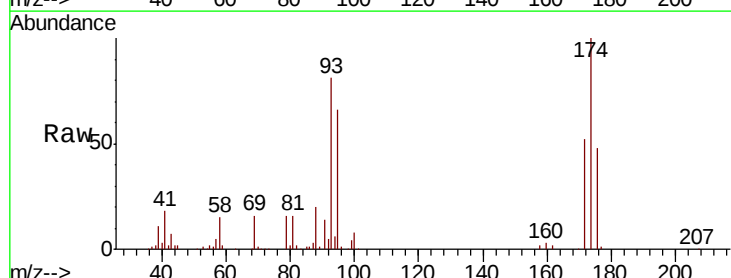
Tgt Ion: 93 Resp: 68142

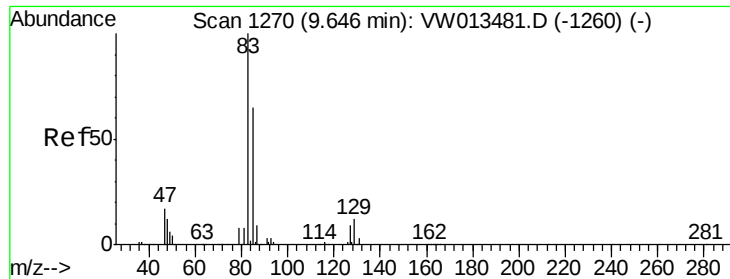
Ion Ratio Lower Upper

93 100

95 83.6 68.0 102.0

174 123.2 97.0 145.6





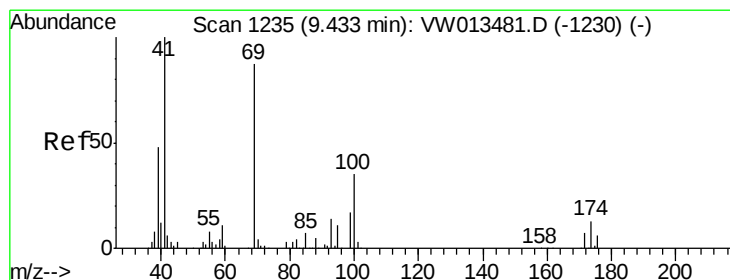
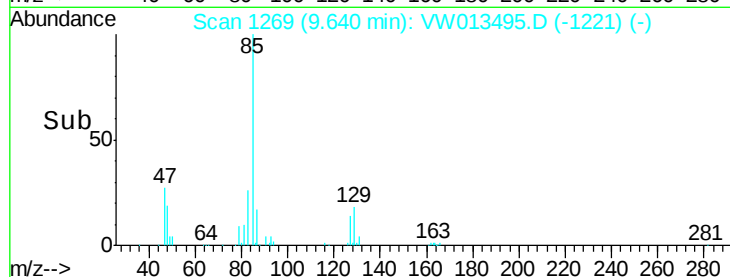
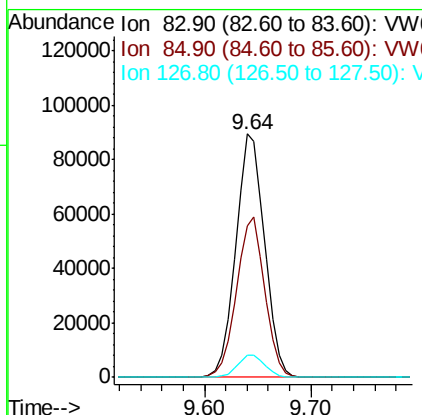
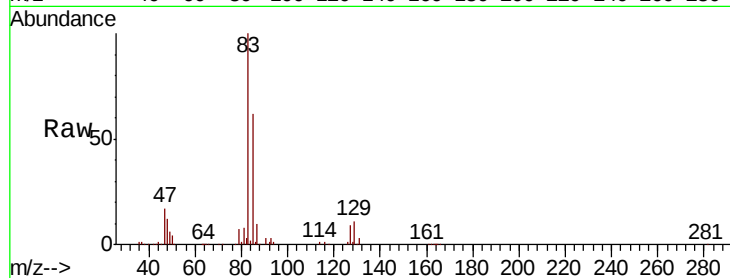
#47
Bromodichloromethane
Concen: 52.062 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	169706		
85	62.4		51.9	77.9
127	9.0		7.4	11.2

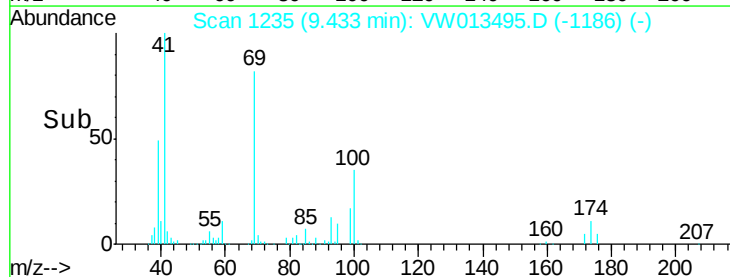
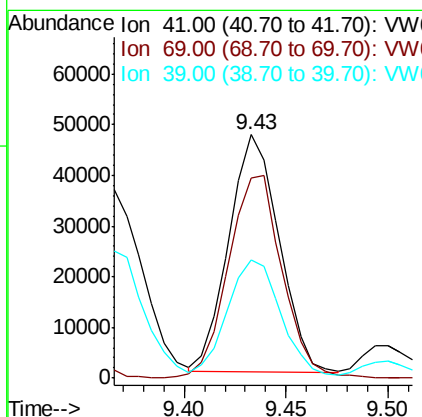
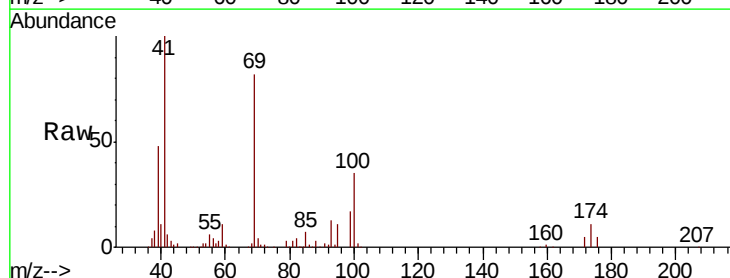
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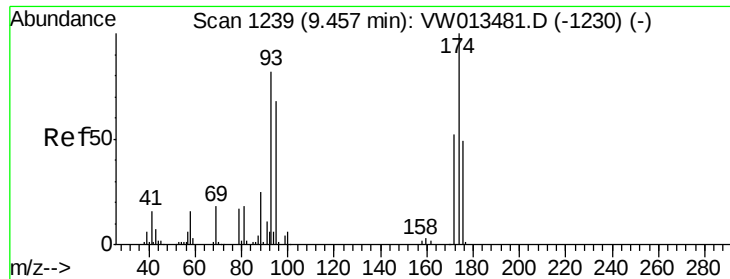
MMDadoda
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#48
Methyl methacrylate
Concen: 50.471 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	80060		
69	91.1		70.4	105.6
39	50.5		37.3	55.9





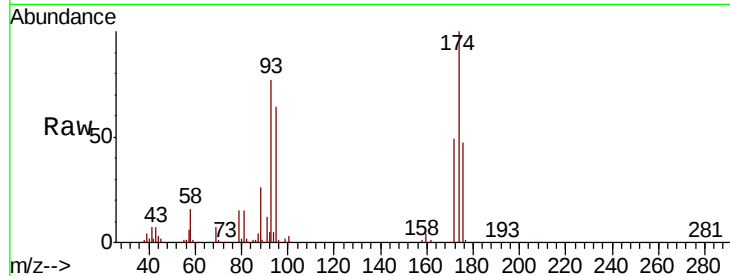
#49
1,4-Dioxane
Concen: 1008.250 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.6	60.0	90.0

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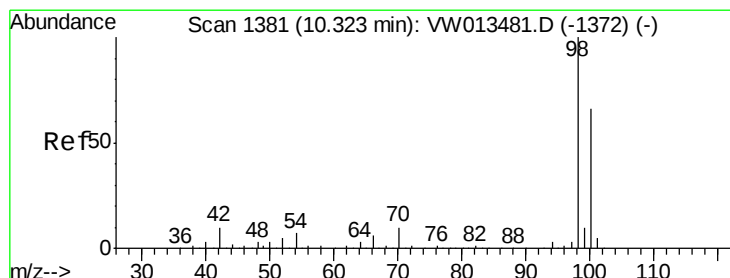
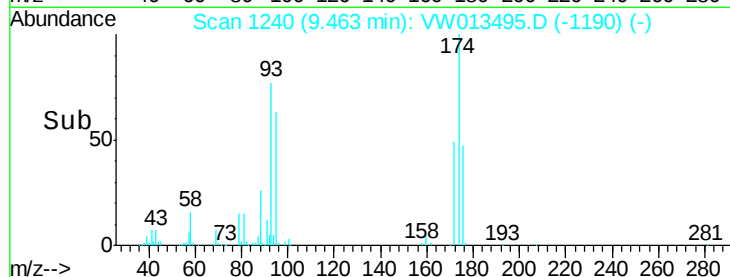
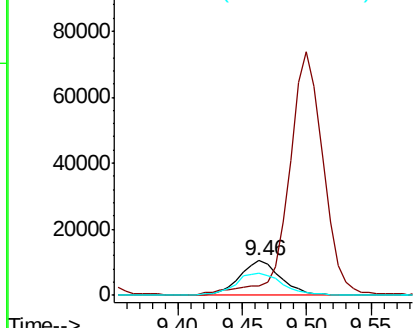


Abundance

Ion 88.00 (87.70 to 88.70): VW

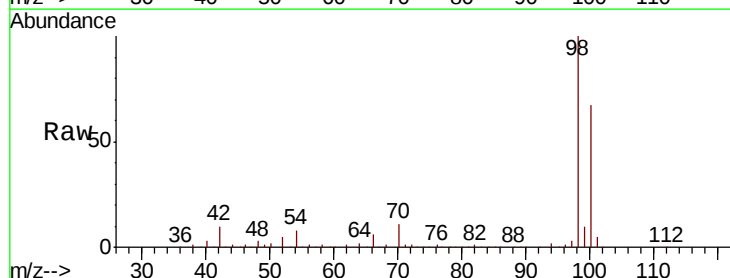
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 50.210 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

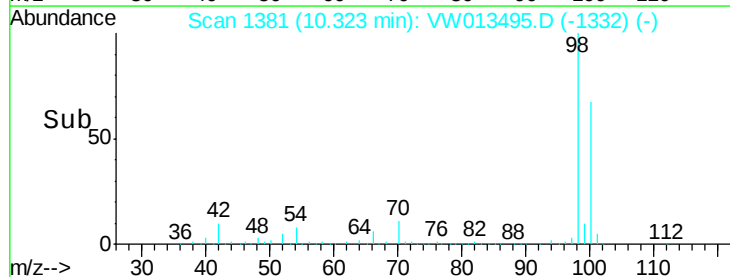
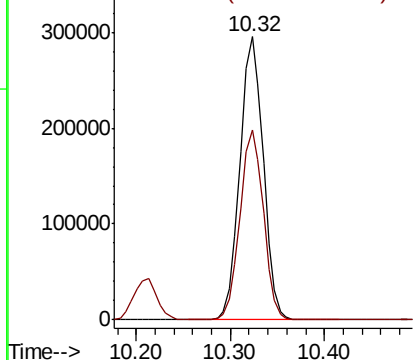
Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.2	79.8

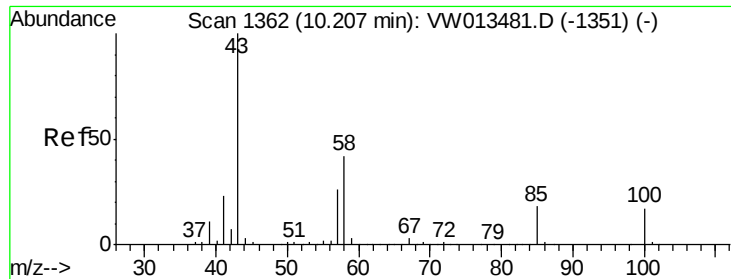


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 258.016 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 436834

Ion Ratio Lower Upper

43 100

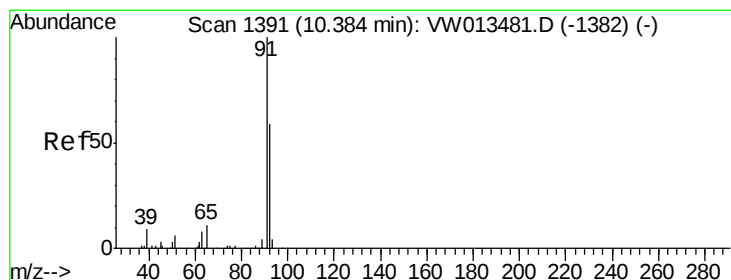
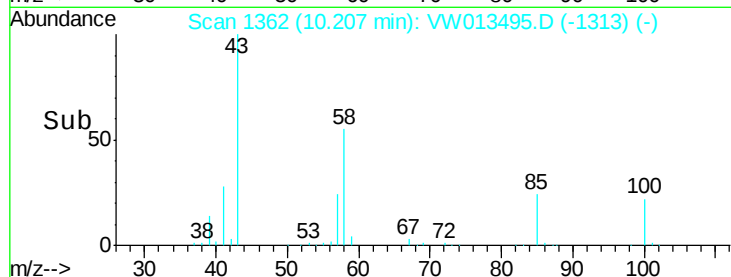
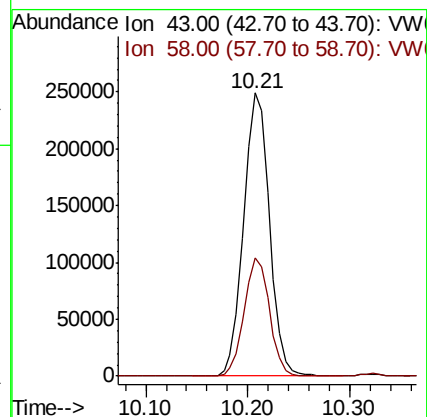
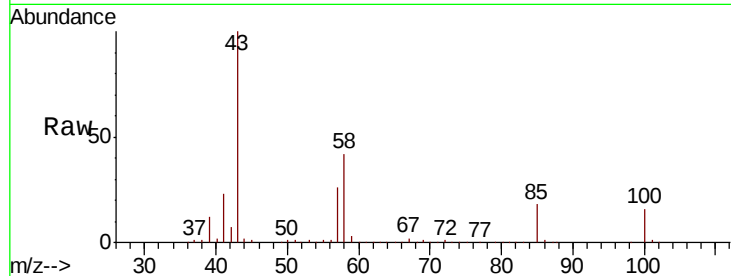
58 41.0 32.8 49.2

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#52

Toluene

Concen: 51.509 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013495.D

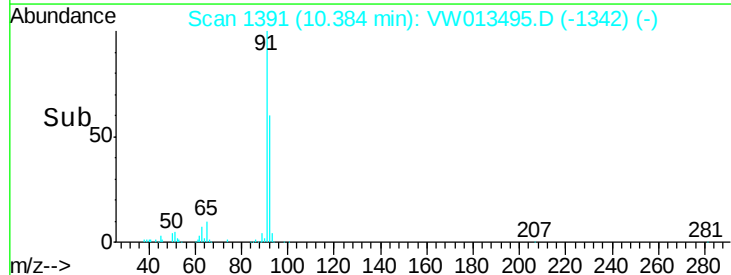
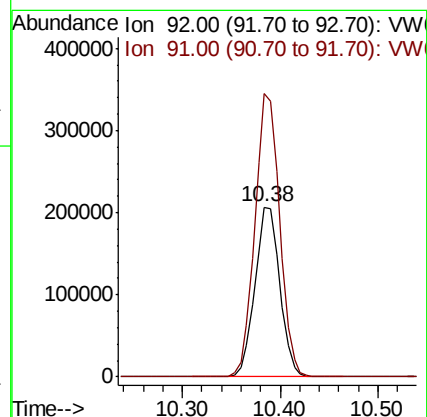
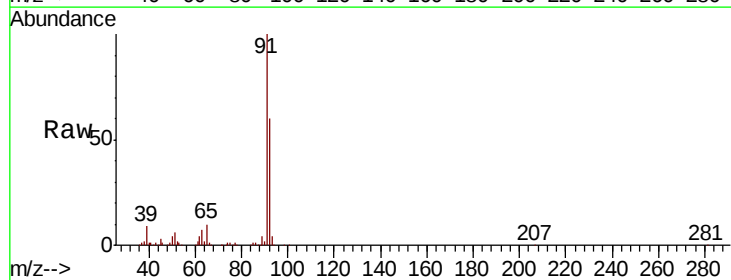
Acq: 09 Oct 2019 09:44

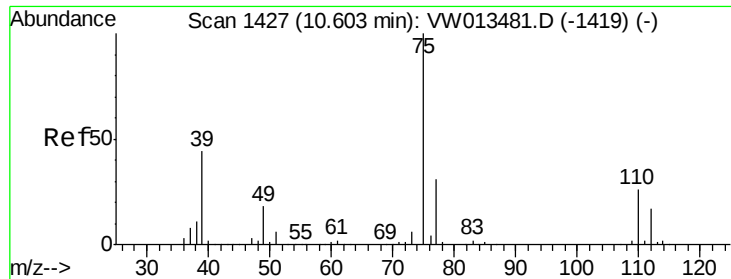
Tgt Ion: 92 Resp: 363869

Ion Ratio Lower Upper

92 100

91 166.7 134.8 202.2





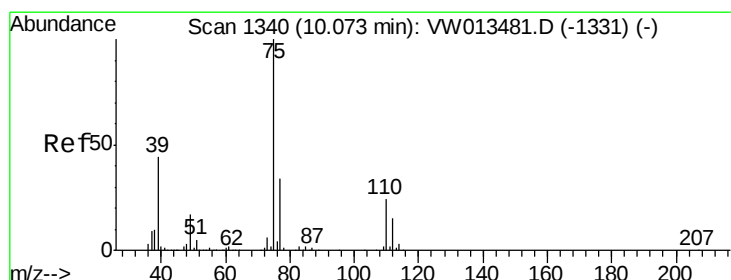
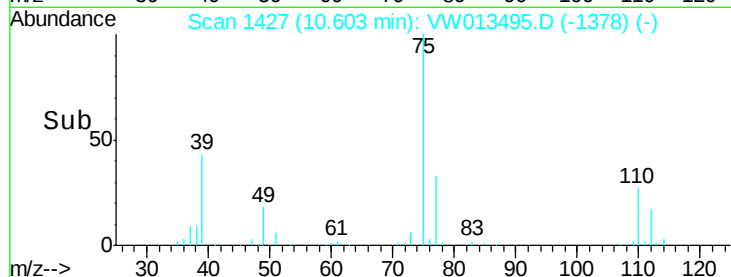
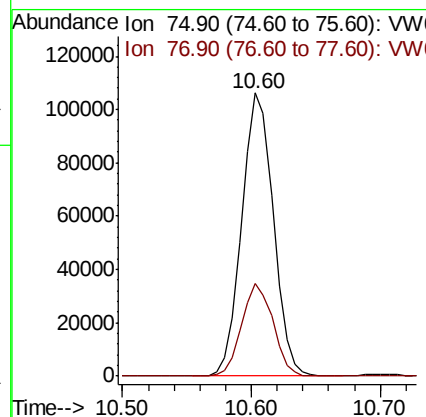
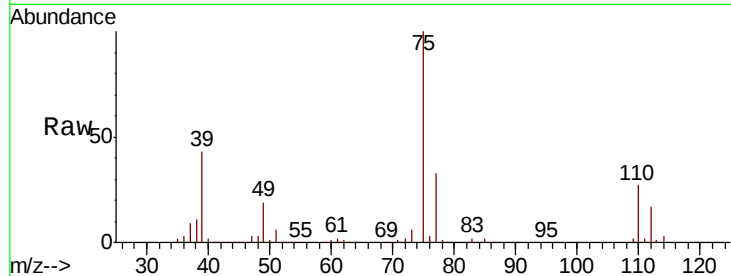
#53
t-1,3-Dichloropropene
Concen: 53.230 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.2	37.8

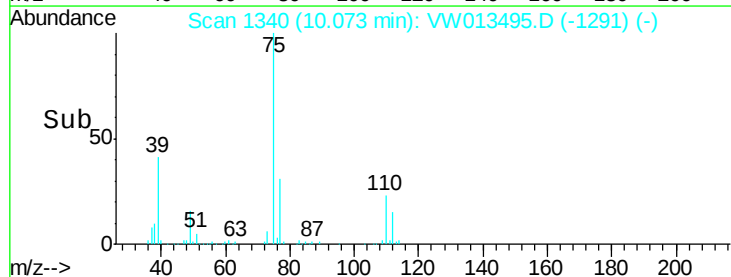
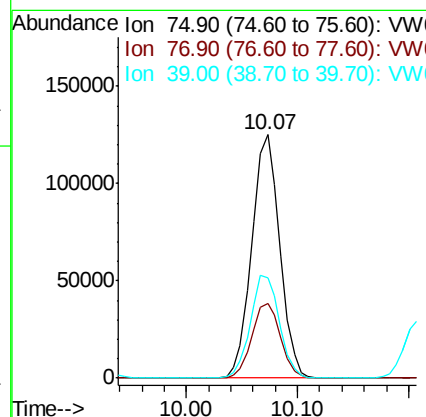
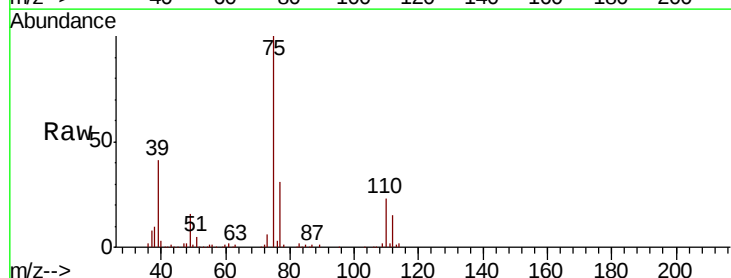
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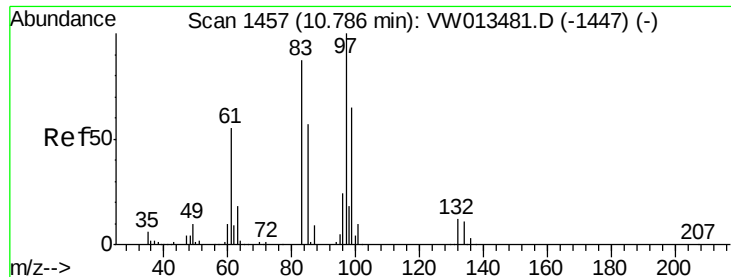
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#54
cis-1,3-Dichloropropene
Concen: 53.327 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	27.0	40.4
39	40.9	35.0	52.4





#55

1,1,2-Trichloroethane

Concen: 52.519 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 103372

Ion Ratio Lower Upper

97 100

83 84.0 69.8 104.8

85 55.6 45.4 68.0

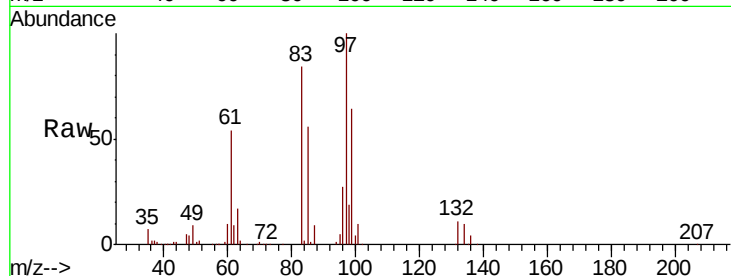
99 63.7 51.9 77.9

Manual Integrations

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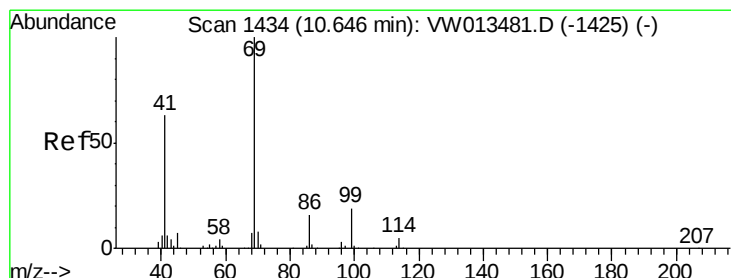
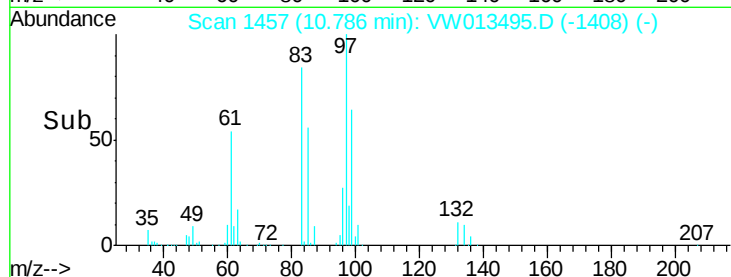
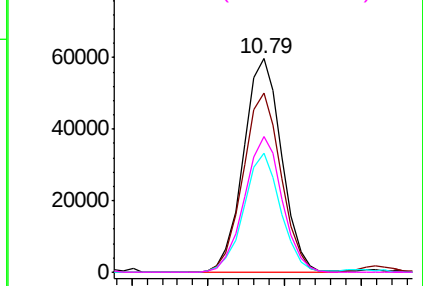
Abundance

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: 53.905 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

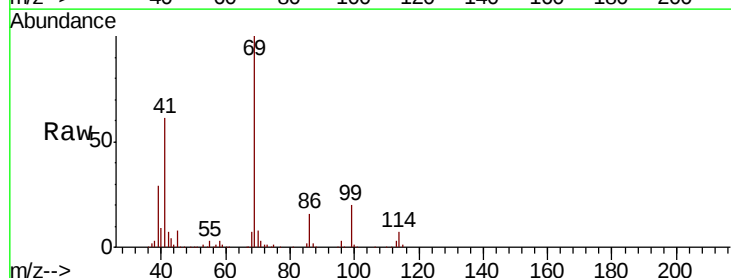
Tgt Ion: 69 Resp: 142900

Ion Ratio Lower Upper

69 100

41 63.8 51.8 77.6

39 27.4 21.7 32.5

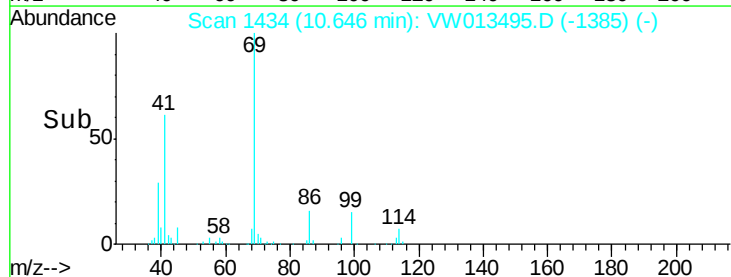
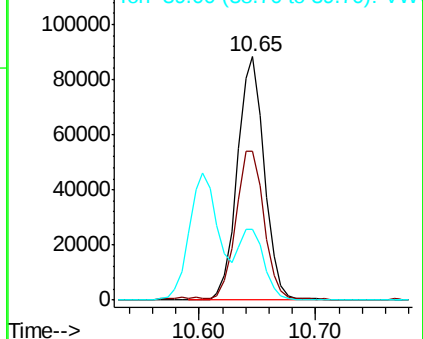


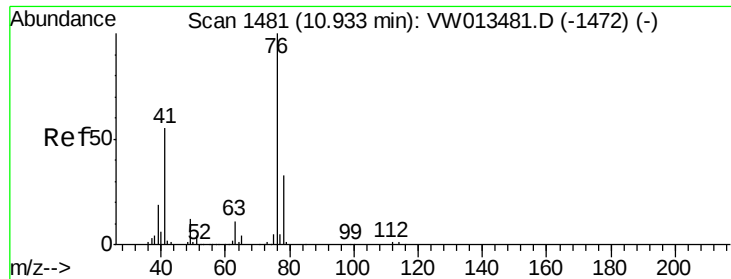
Abundance

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





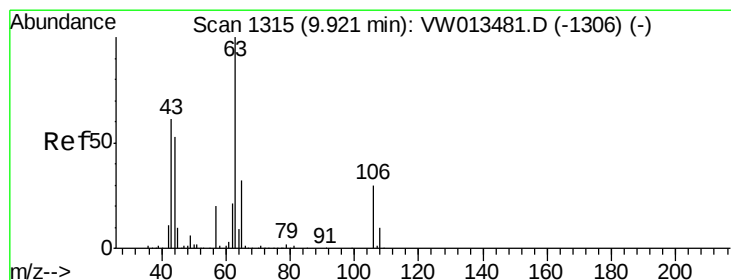
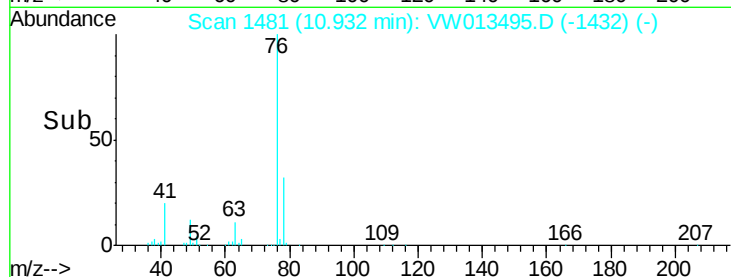
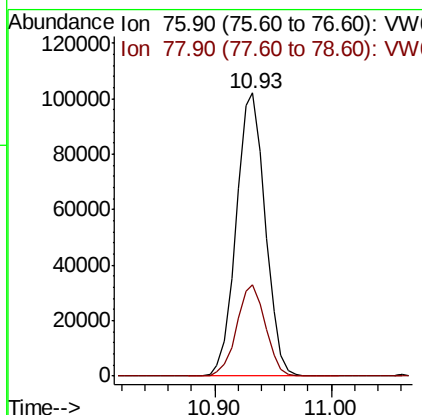
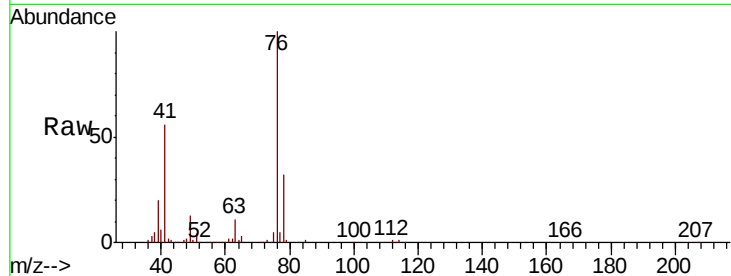
#57
 1,3-Dichloropropane
 Concen: 52.432 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 177205
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9

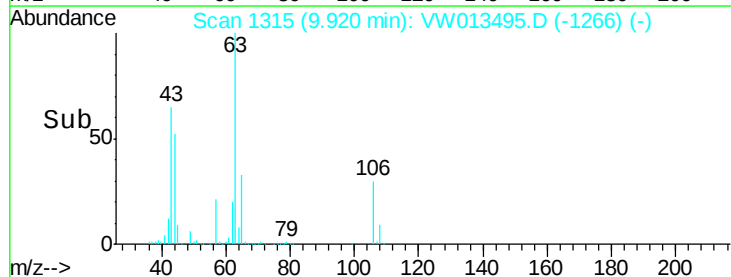
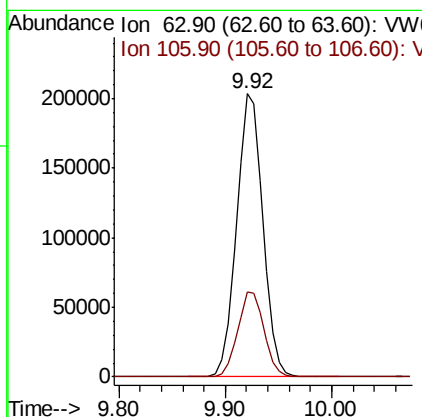
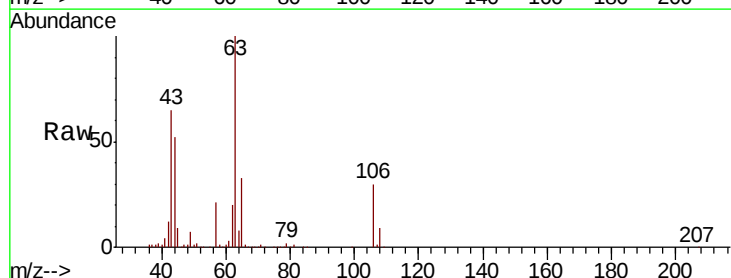
Manual Integrations
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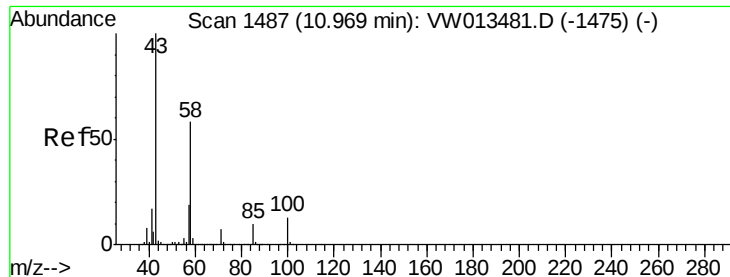
MMDadoda
 10/11/2019 4:40:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.552 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion: 63 Resp: 352126
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.5 36.7





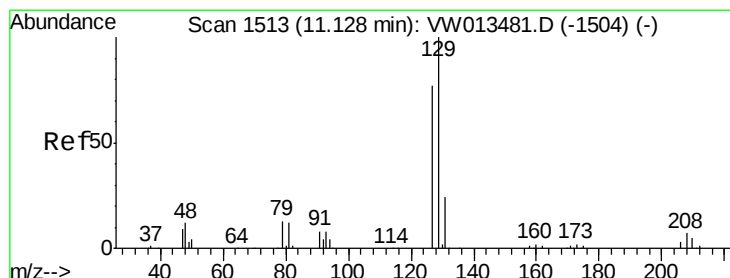
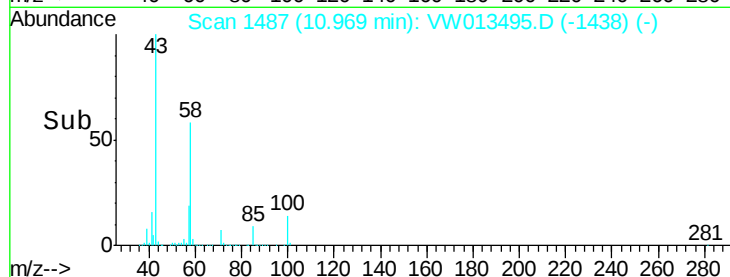
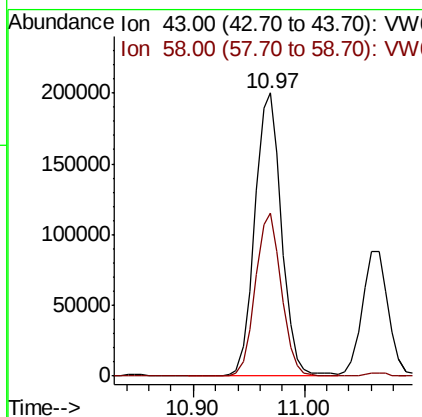
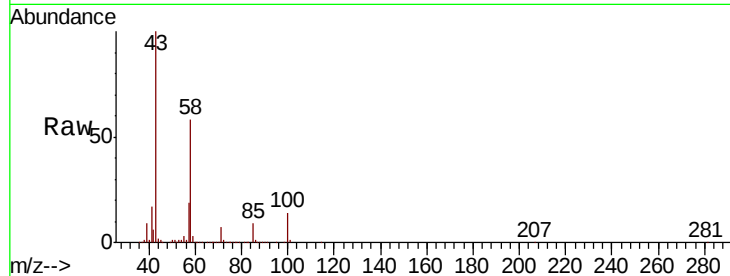
#59
2-Hexanone
Concen: 287.997 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 334353
Ion Ratio Lower Upper
43 100
58 56.4 28.4 85.2

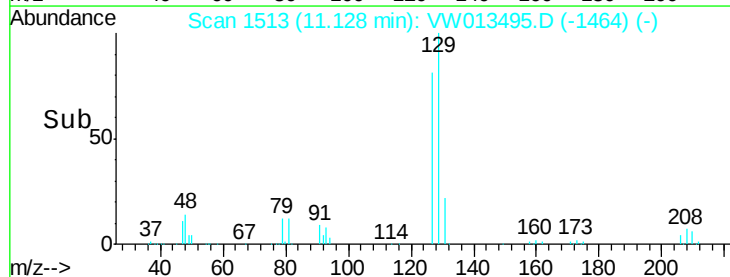
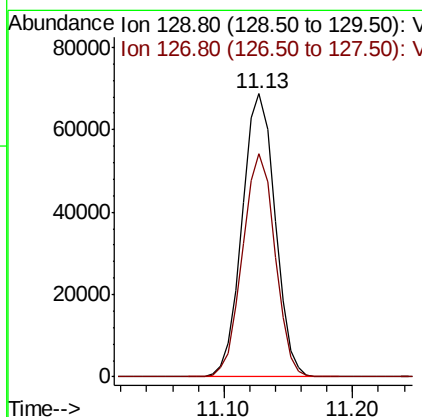
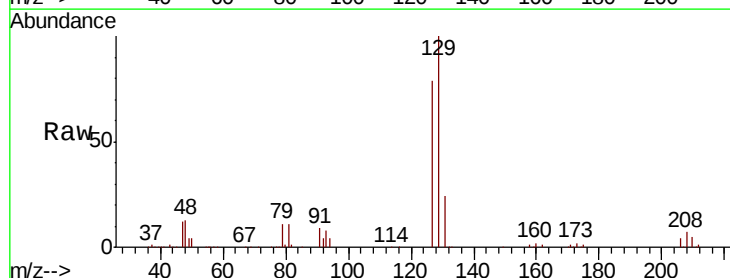
Manual Integrations
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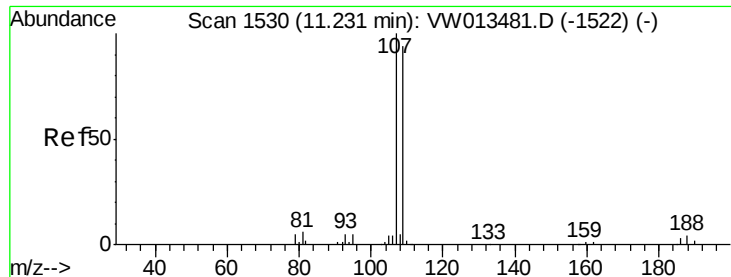
MMDadoda
10/11/2019 4:40:29 PM



#60
Dibromochloromethane
Concen: 53.652 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion:129 Resp: 121441
Ion Ratio Lower Upper
129 100
127 77.5 37.4 112.1





#61

1,2-Dibromoethane

Concen: 53.069 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 99351

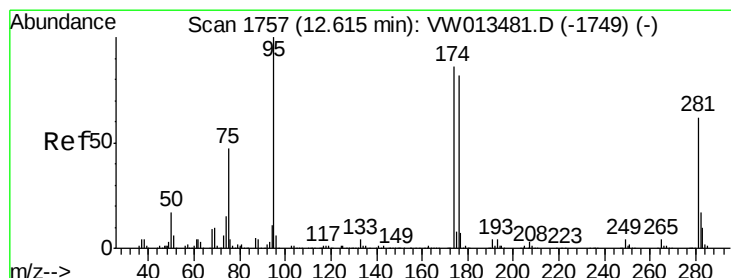
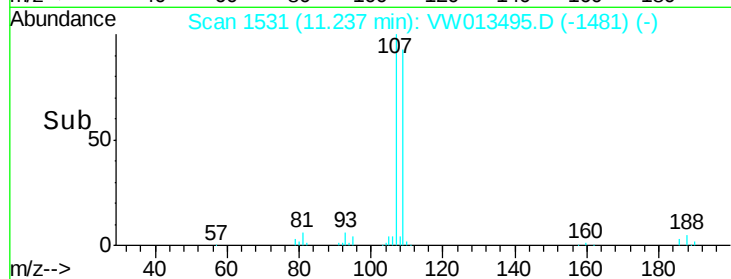
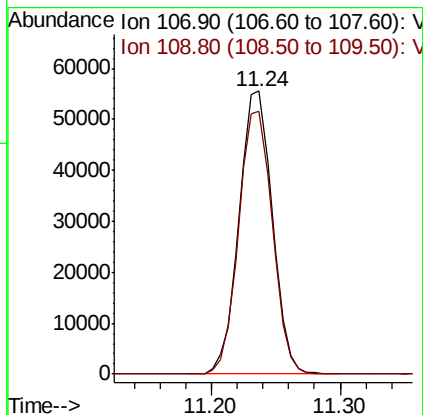
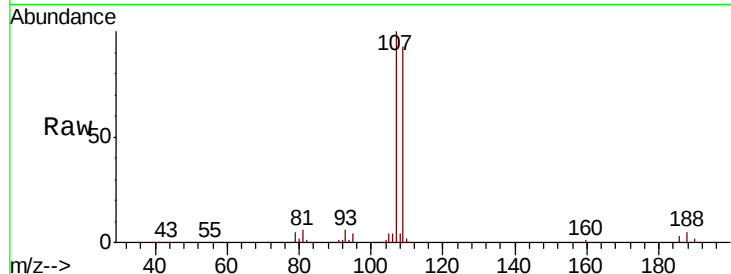
Ion Ratio Lower Upper

107 100

109 94.4 76.6 115.0

Manual Integrations
APPROVED

MMDadoda
10/11/2019 4:40:29 PM



#62

4-Bromofluorobenzene

Concen: 51.528 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

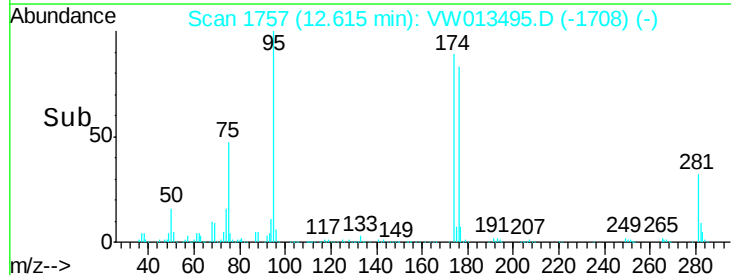
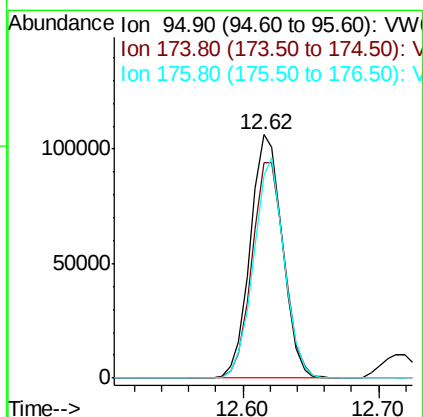
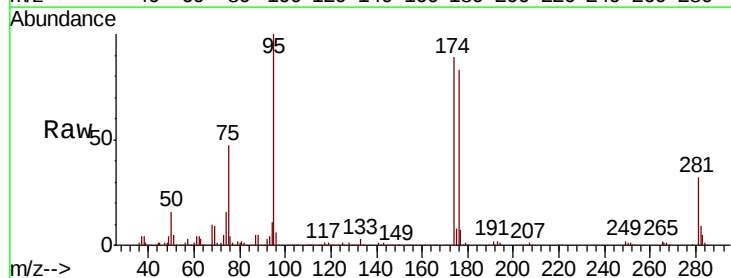
Tgt Ion: 95 Resp: 176445

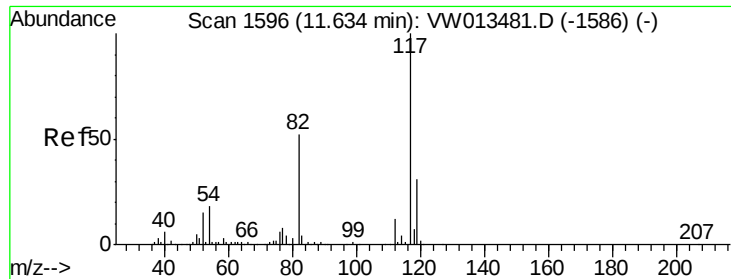
Ion Ratio Lower Upper

95 100

174 89.5 0.0 177.4

176 86.1 0.0 173.4





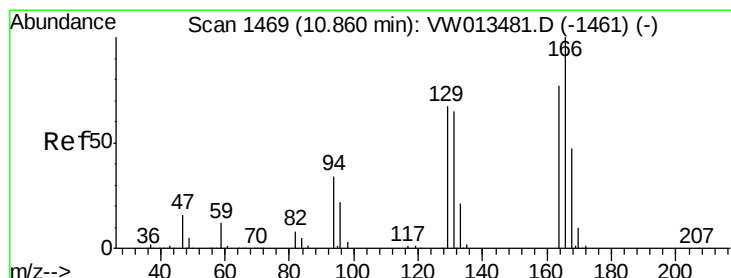
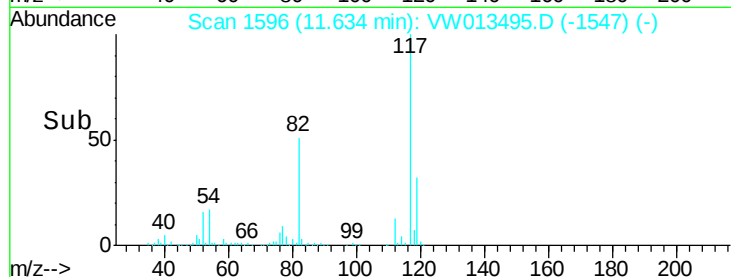
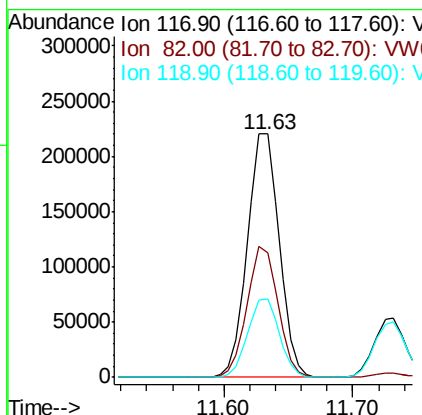
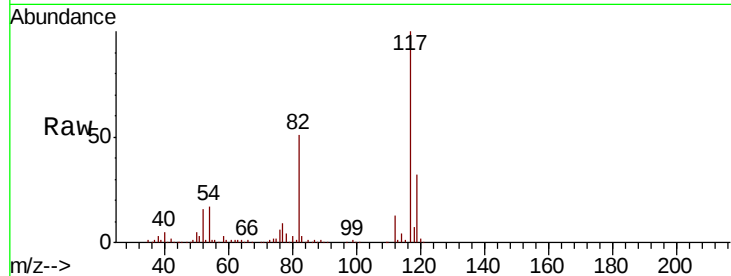
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	375777		
82	51.0		41.4	62.2
119	32.3		25.1	37.7

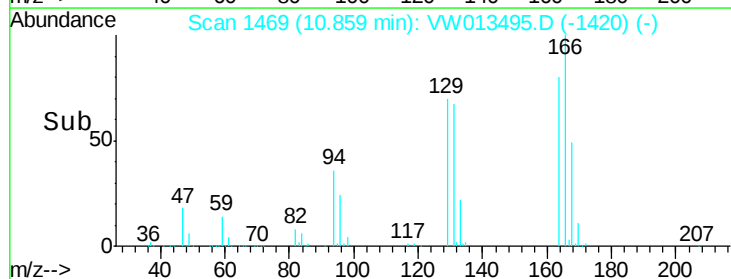
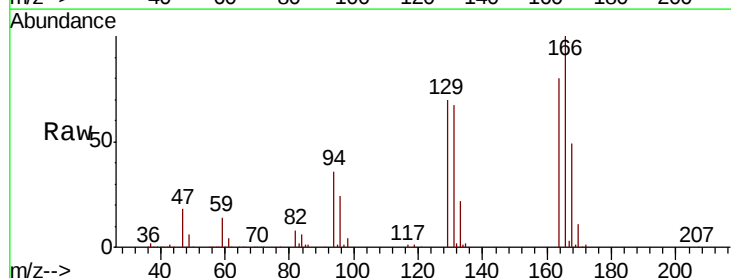
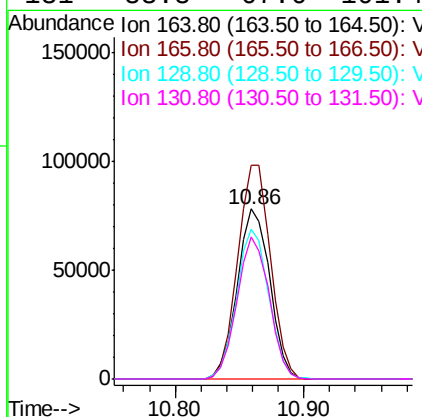
Manual Integrations
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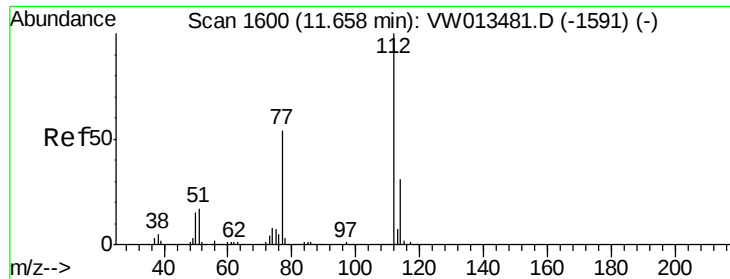
MMDadoda
10/11/2019 4:40:29 PM



#64
Tetrachloroethene
Concen: 49.447 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136756		
166	125.6		104.6	156.8
129	88.4		70.2	105.2
131	83.8		67.6	101.4





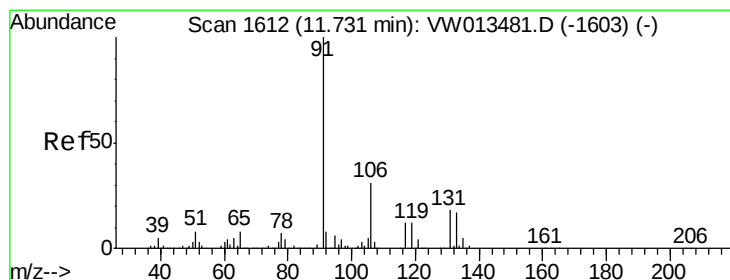
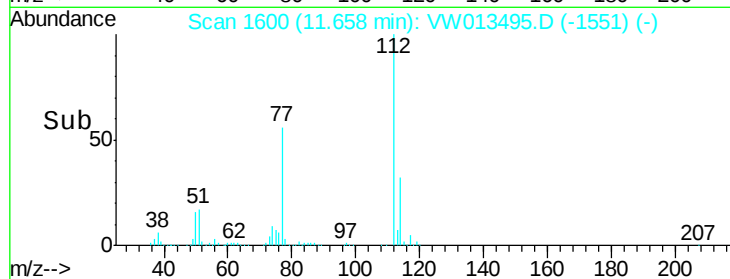
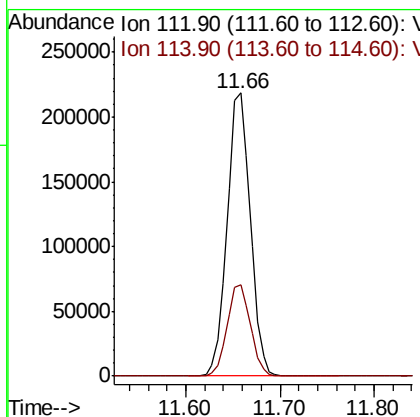
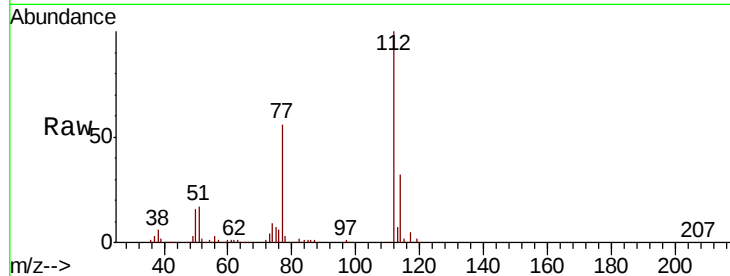
#65
Chlorobenzene
Concen: 49.946 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 372940
Ion Ratio Lower Upper
112 100
114 32.5 24.6 37.0

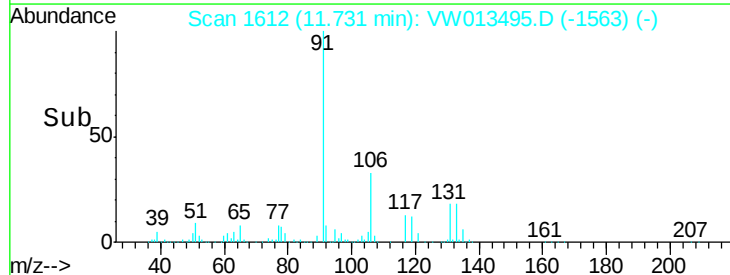
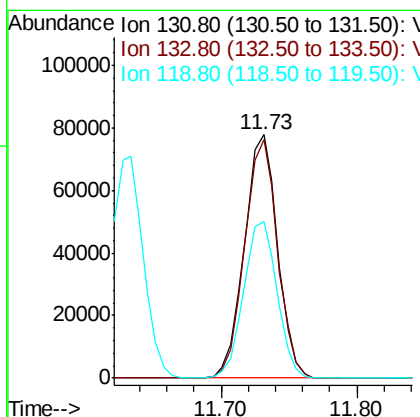
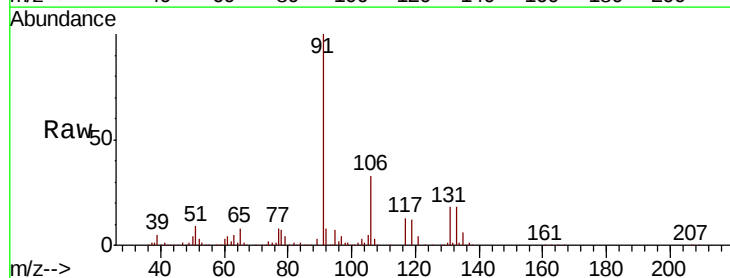
Manual Integrations
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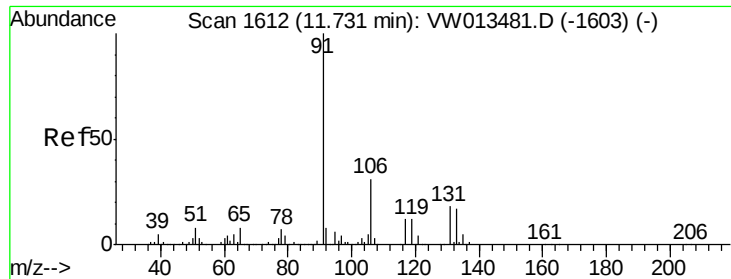
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.221 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion:131 Resp: 132853
Ion Ratio Lower Upper
131 100
133 97.0 47.6 142.9
119 64.9 32.6 98.0





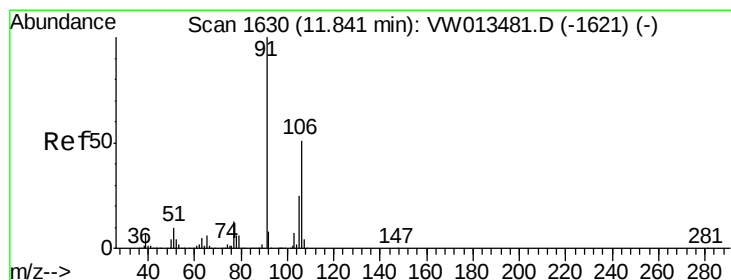
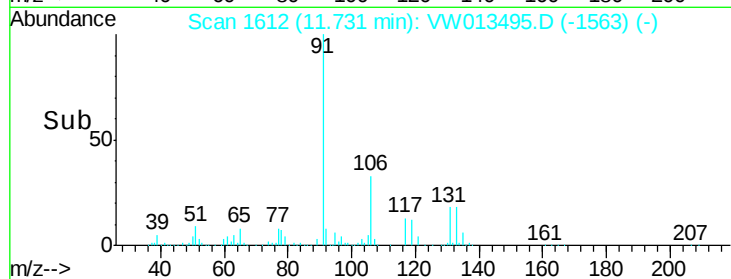
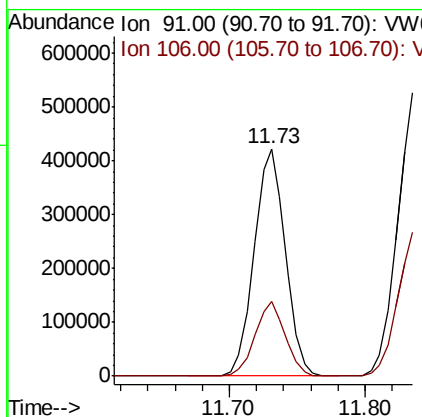
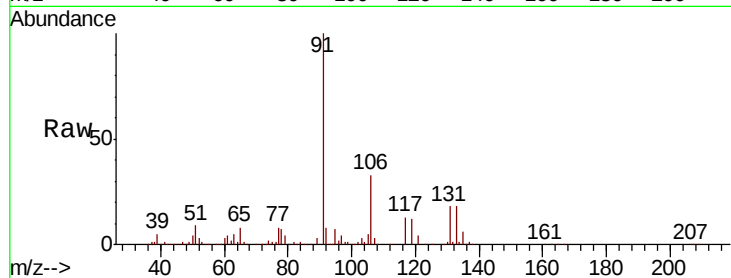
#67
Ethyl Benzene
Concen: 49.685 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 678083
Ion Ratio Lower Upper
91 100
106 32.7 24.8 37.2

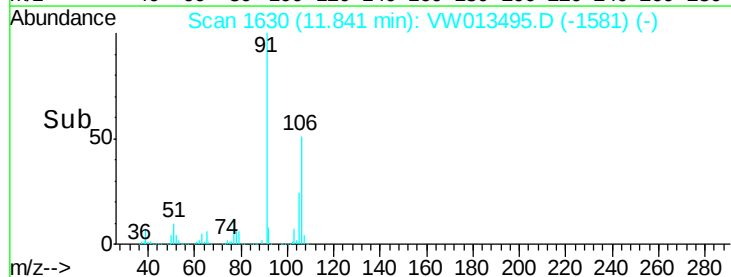
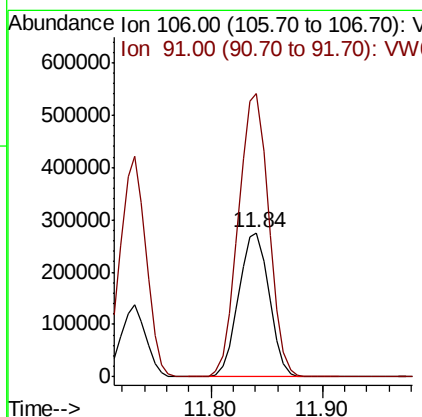
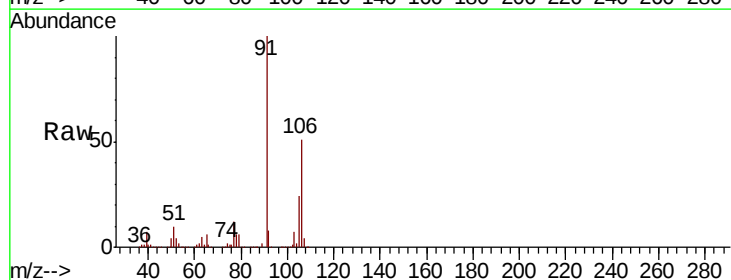
Manual Integrations
APPROVED

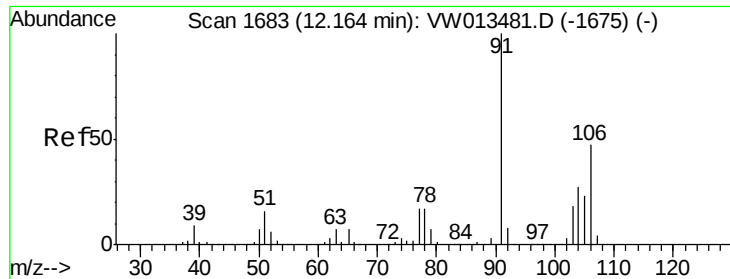
MMDadoda
10/11/2019 4:40:29 PM



#68
m/p-Xylenes
Concen: 100.977 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion: 106 Resp: 524338
Ion Ratio Lower Upper
106 100
91 195.5 156.2 234.4





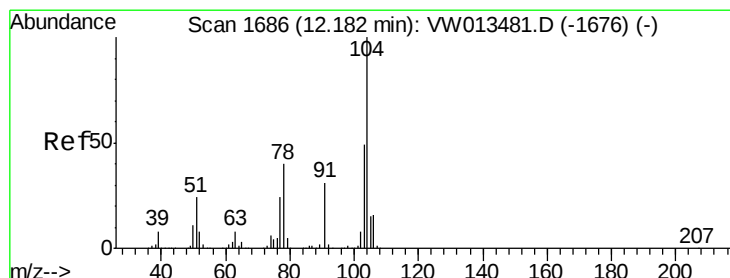
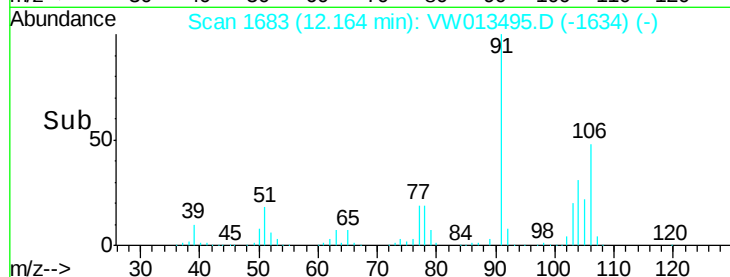
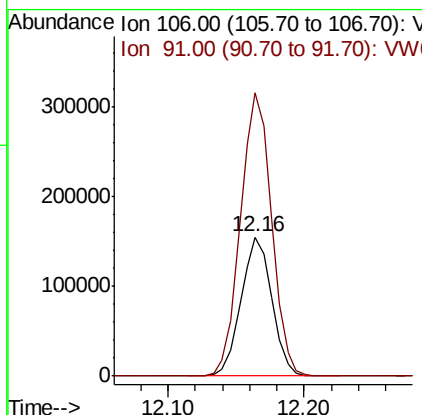
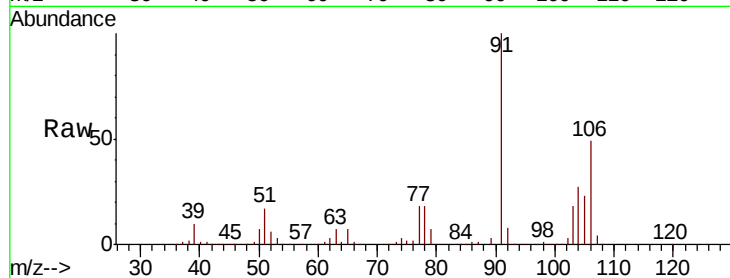
#69
o-Xylene
Concen: 51.022 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.4	105.0	315.0

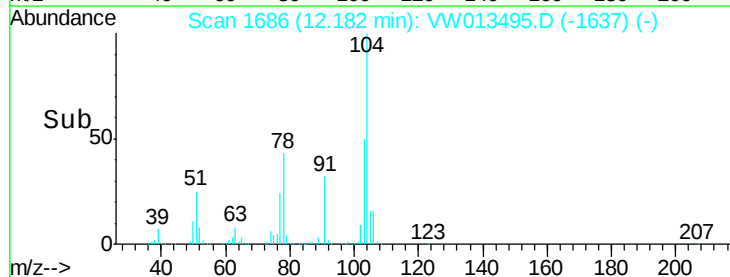
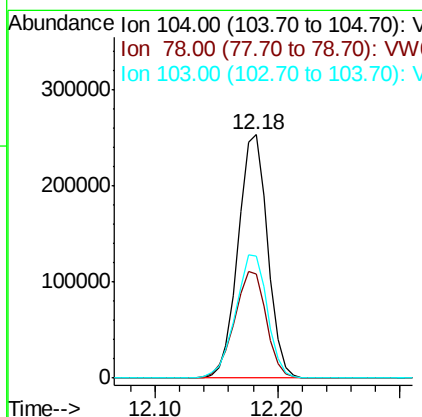
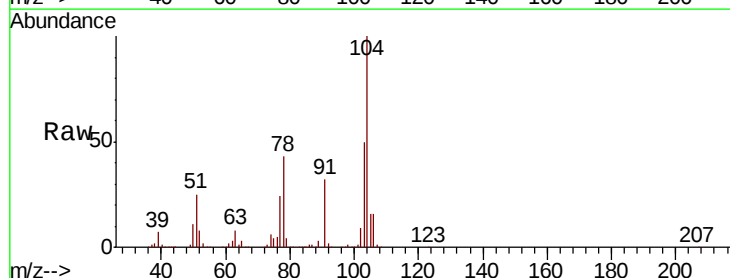
Manual Integrations
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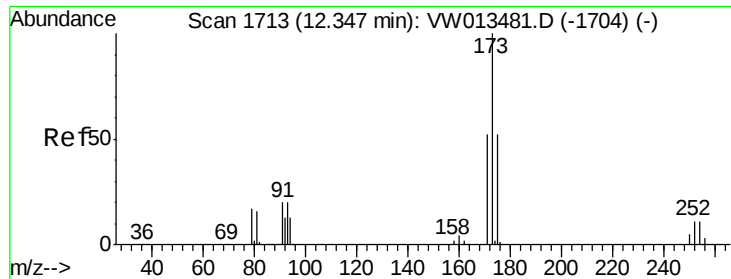
MMDadoda
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#70
Styrene
Concen: 51.275 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.1	55.7
103	54.8	43.2	64.8





#71

Bromoform

Concen: 53.459 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 76075

Ion Ratio Lower Upper

173 100

175 48.2 24.4 73.4

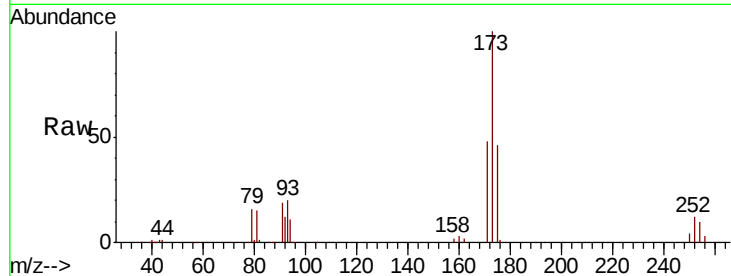
254 0.1 0.1 0.1

Manual Integrations

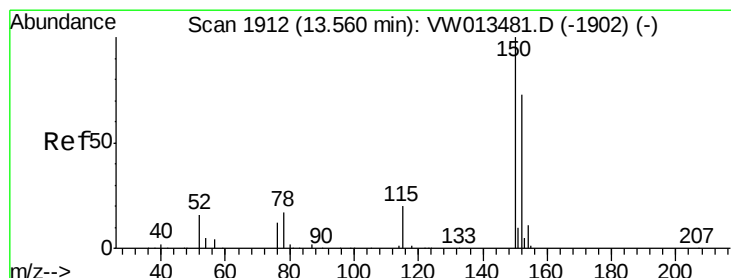
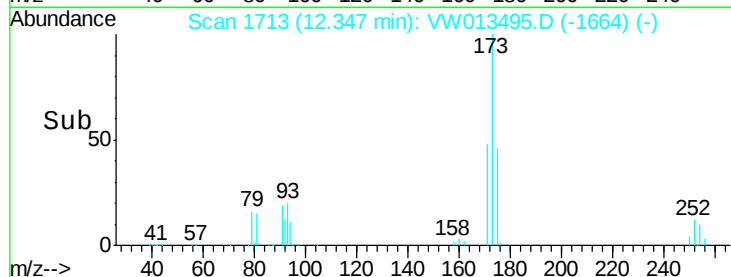
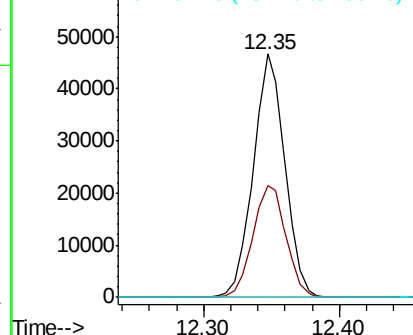
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

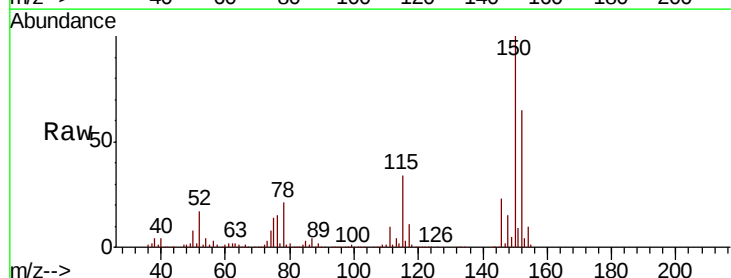
Tgt Ion:152 Resp: 191178

Ion Ratio Lower Upper

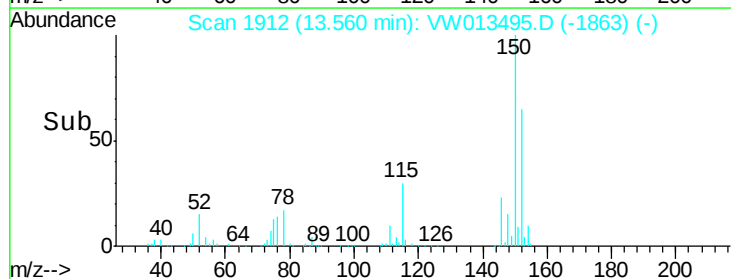
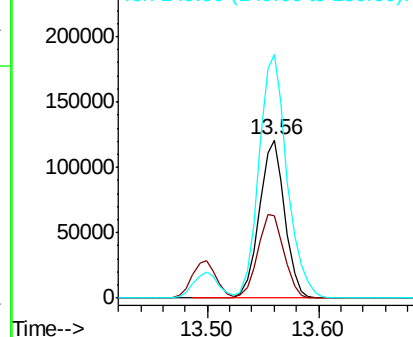
152 100

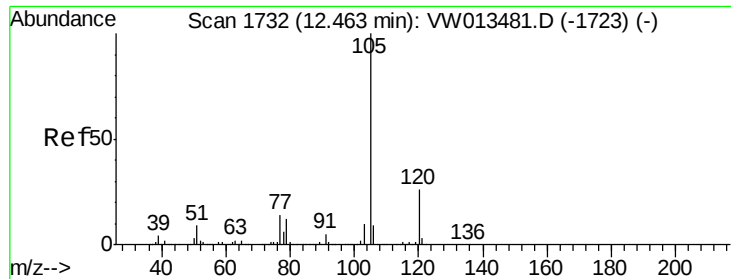
115 54.8 27.0 81.0

150 171.2 0.0 337.4



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





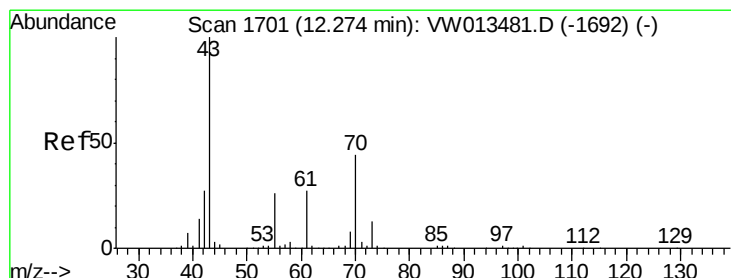
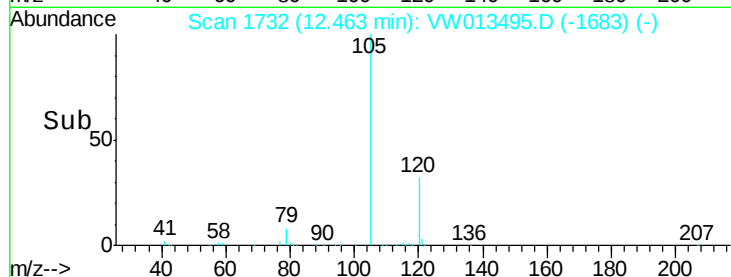
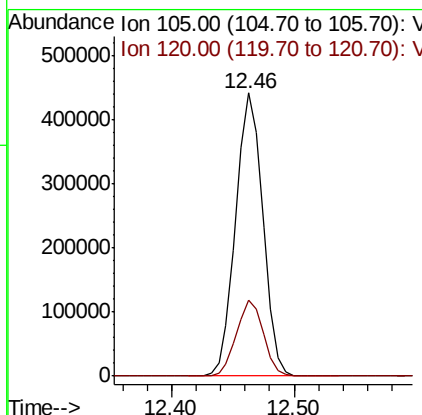
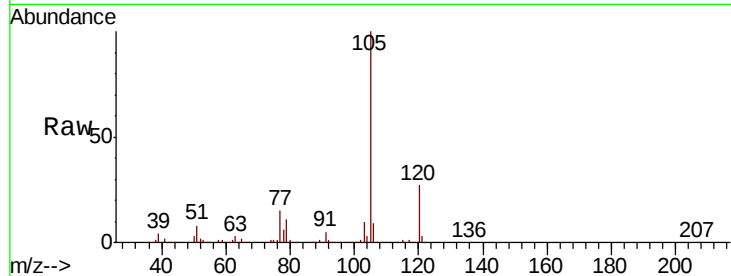
#73
Isopropylbenzene
Concen: 49.704 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.5

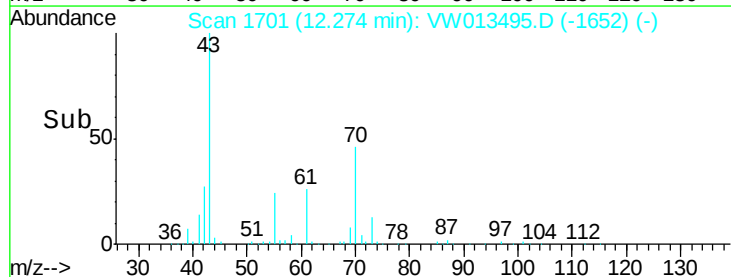
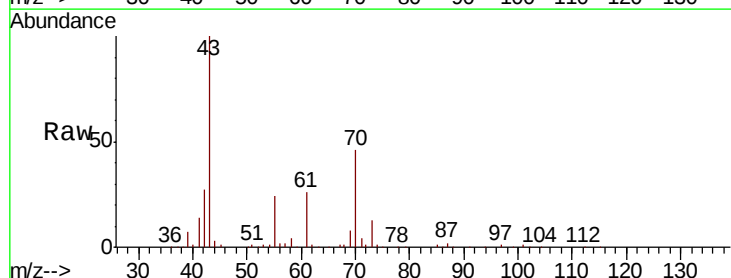
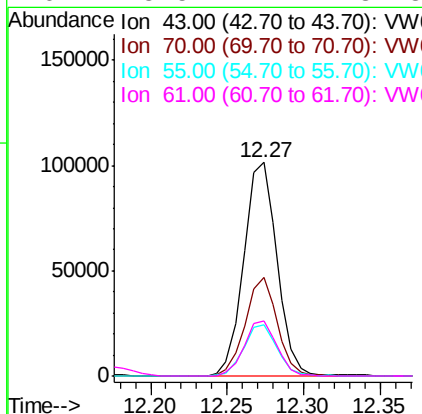
Manual Integrations
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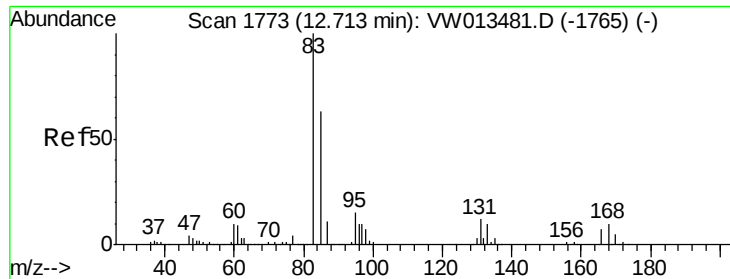
MMDadoda
10/11/2019 4:40:29 PM



#74
N-ethyl acetate
Concen: 51.287 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.5	35.3	52.9
55	24.4	20.0	30.0
61	25.5	21.2	31.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.013 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 119072

Ion Ratio Lower Upper

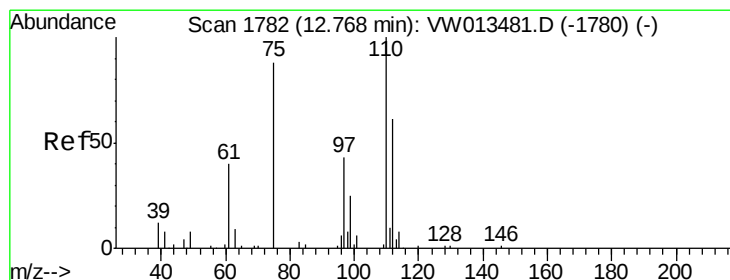
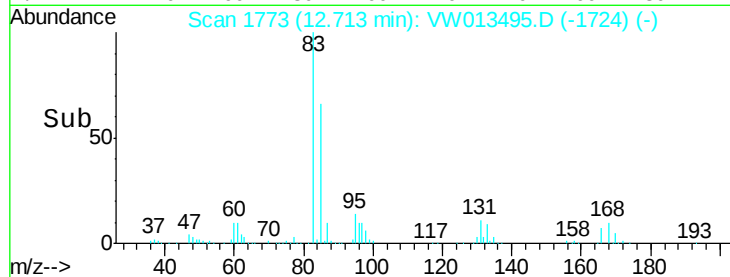
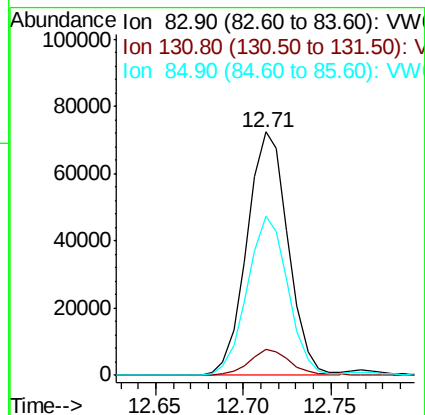
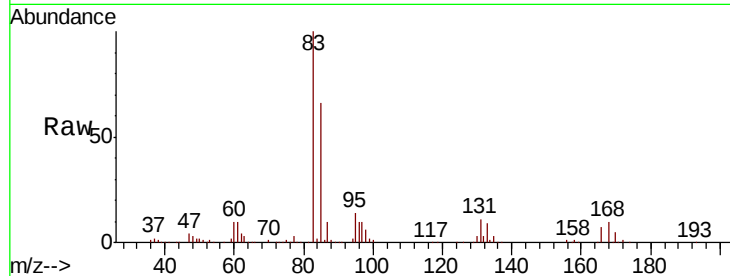
83 100

131 10.9 5.9 17.7

85 64.5 32.5 97.4

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#76

1,2,3-Trichloropropane

Concen: 47.392 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013495.D

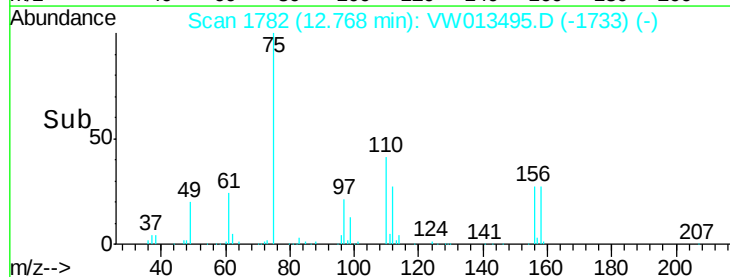
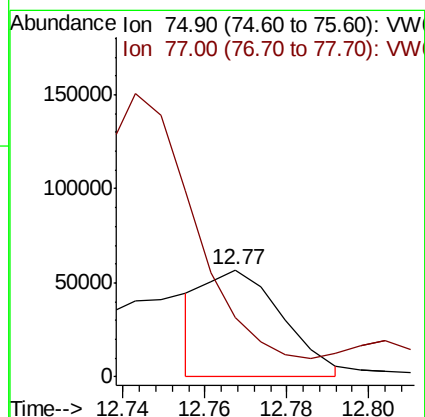
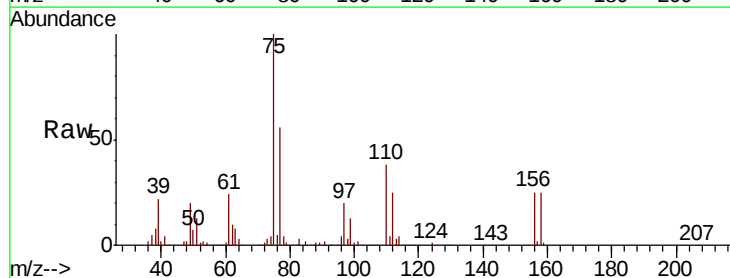
Acq: 09 Oct 2019 09:44

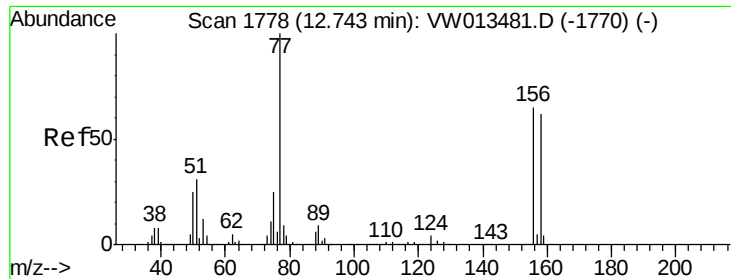
Tgt Ion: 75 Resp: 75460

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.970 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

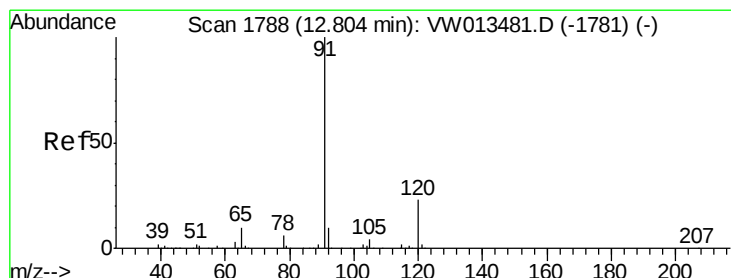
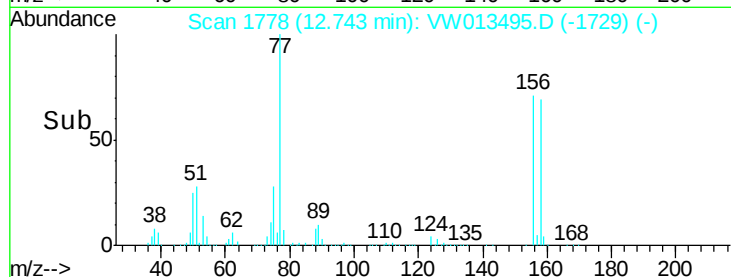
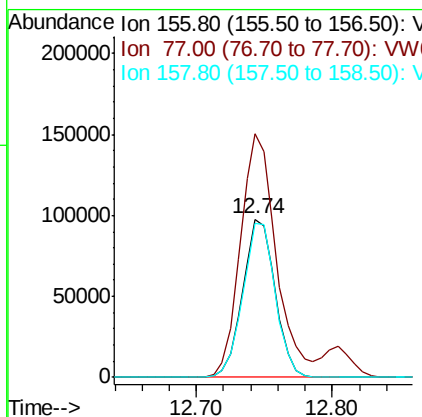
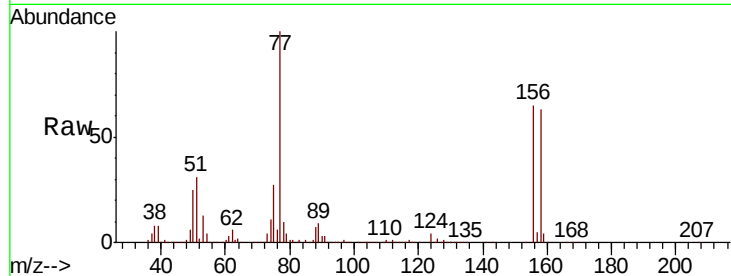
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		162199		
77	170.0	83.7	251.0		
158	97.6	49.0	147.0		

Manual Integrations
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#78

n-propylbenzene

Concen: 49.677 ug/l

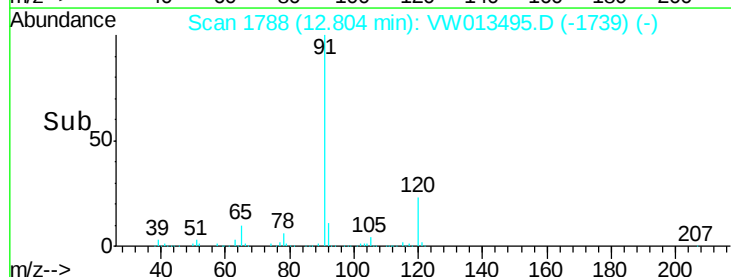
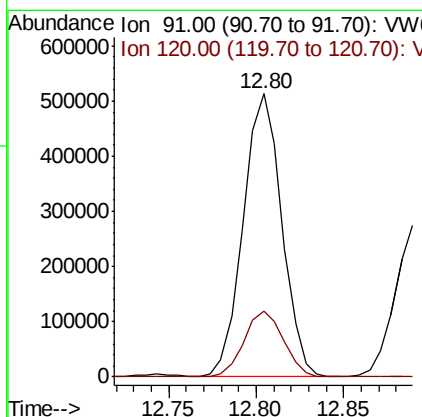
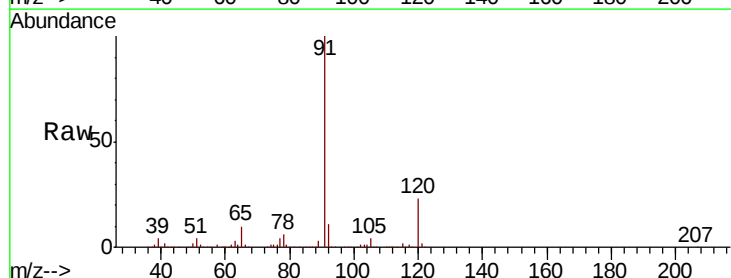
RT: 12.80 min Scan# 1788

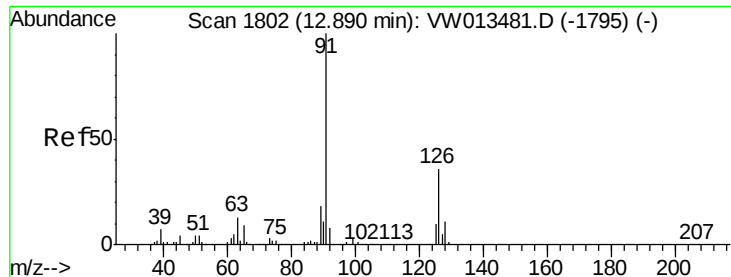
Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		786659		
120	23.8	11.7	35.1		





#79

2-Chlorotoluene

Concen: 48.772 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 432699

Ion Ratio Lower Upper

91 100

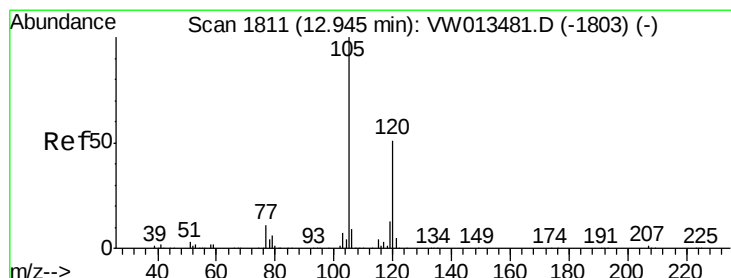
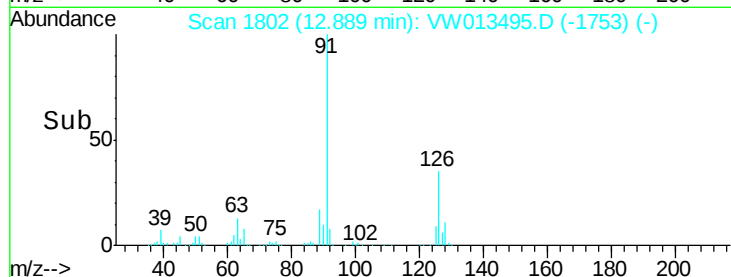
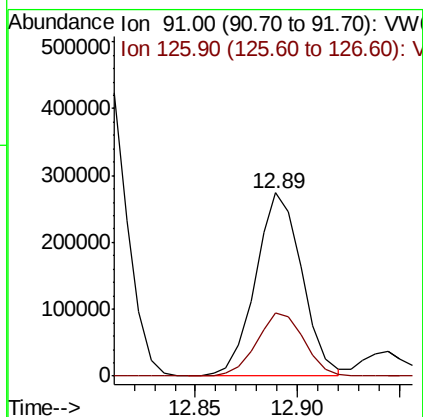
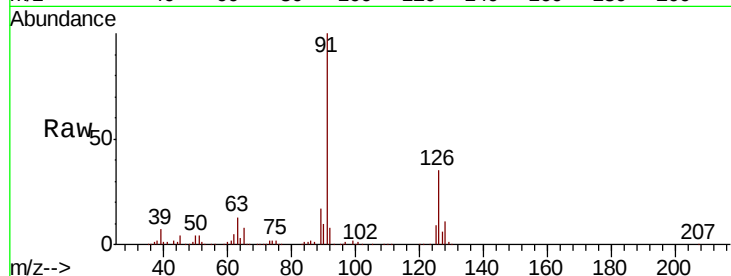
126 35.5 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.455 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013495.D

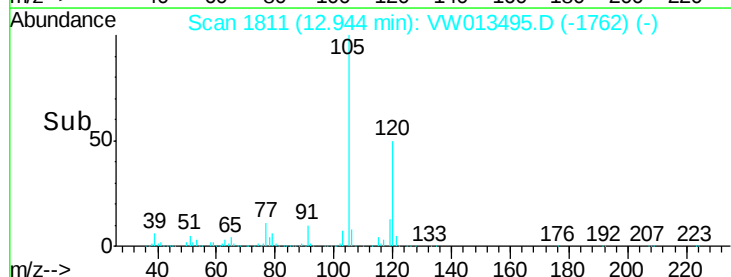
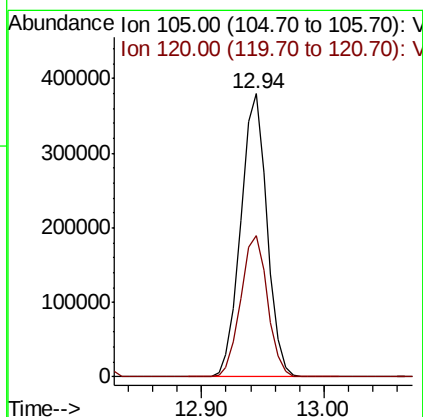
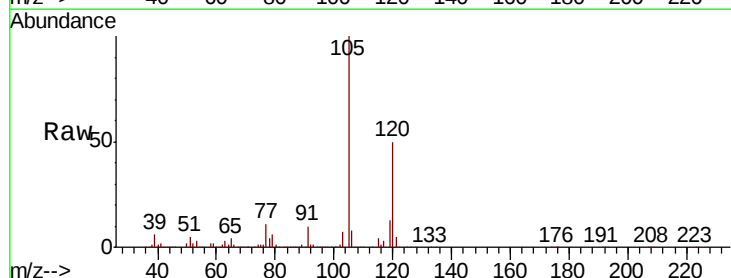
Acq: 09 Oct 2019 09:44

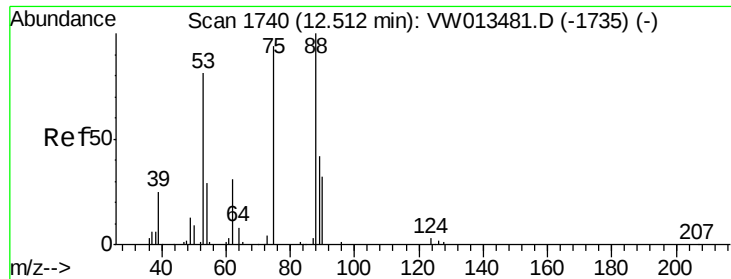
Tgt Ion:105 Resp: 562711

Ion Ratio Lower Upper

105 100

120 51.0 25.4 76.0





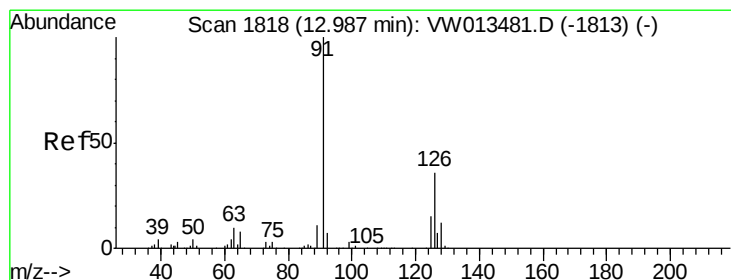
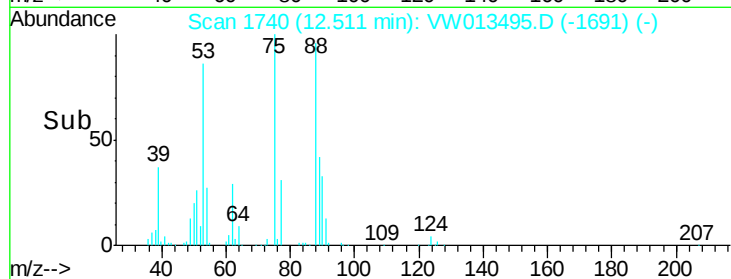
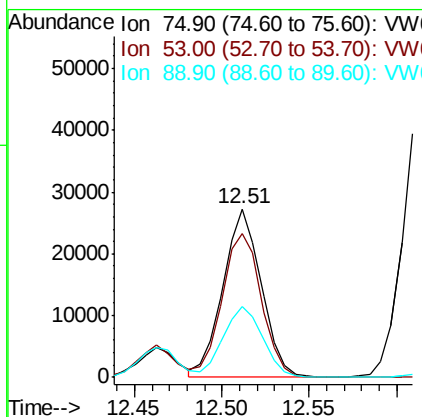
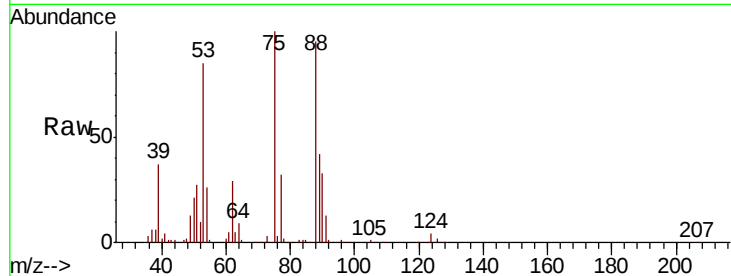
#81
trans-1,4-Dichloro-2-butene
Concen: 53.071 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	71.0	106.6
89	43.2	36.1	54.1

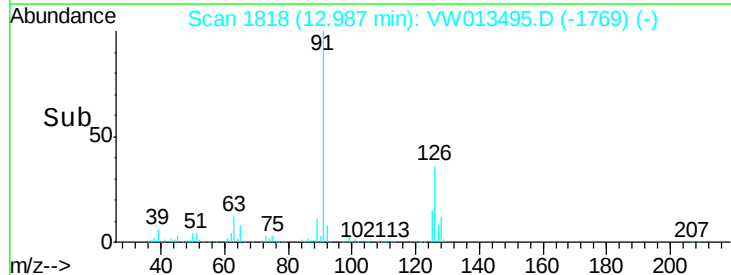
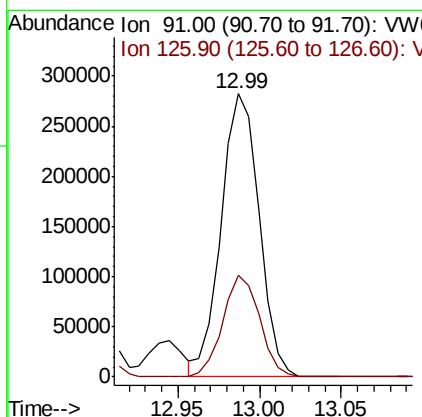
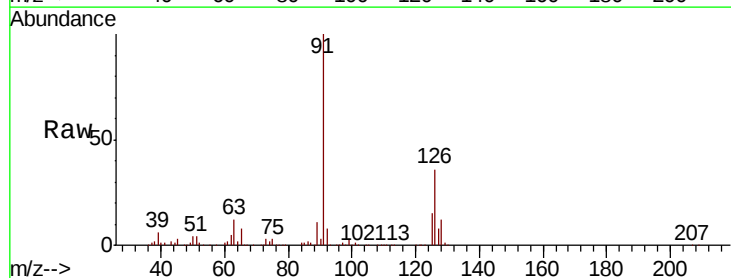
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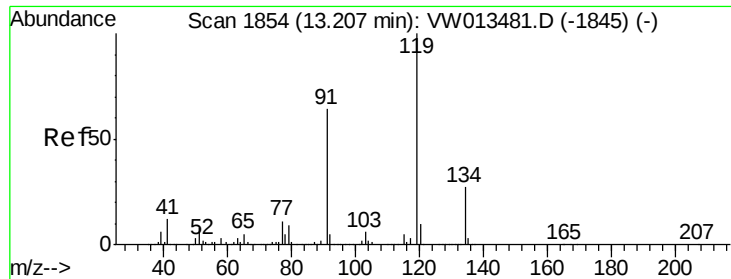
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#82
4-Chlorotoluene
Concen: 49.515 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6





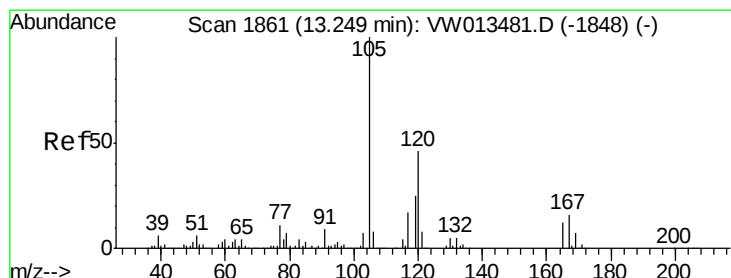
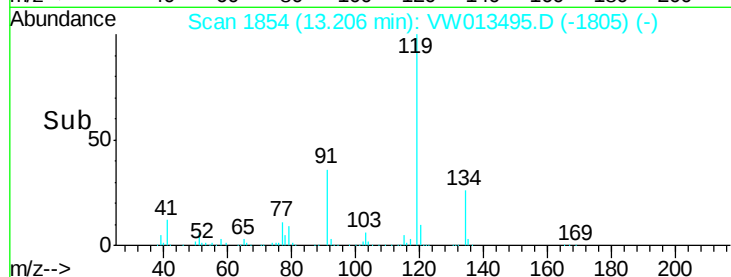
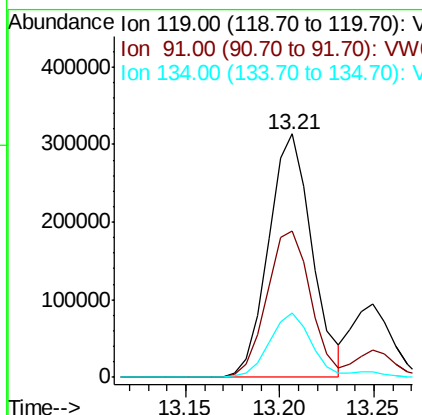
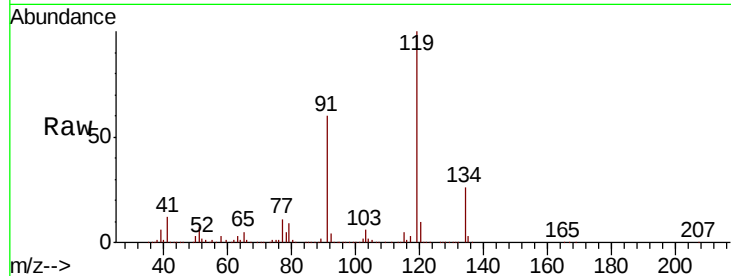
#83
tert-Butylbenzene
Concen: 49.614 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.6	91.6
134	25.6	13.8	41.3

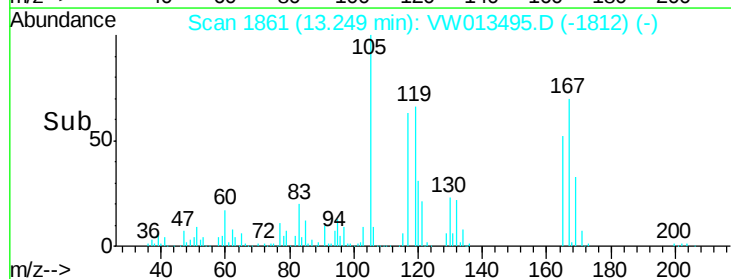
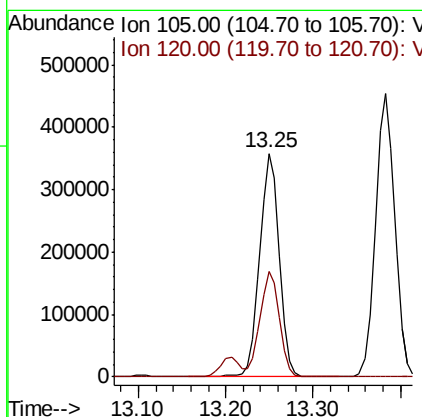
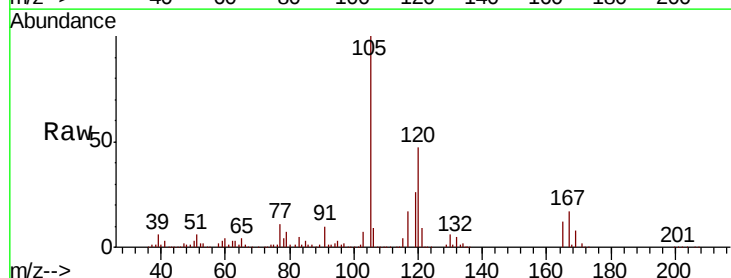
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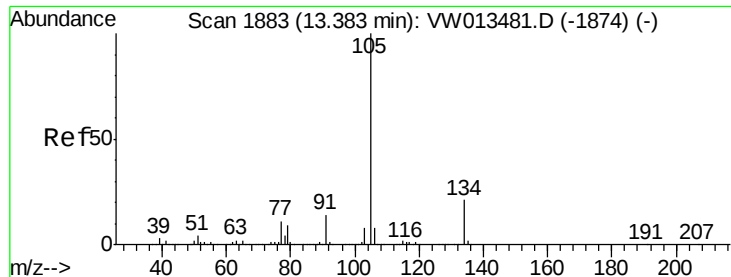
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#84
1,2,4-Trimethylbenzene
Concen: 49.528 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.5





#85

sec-Butylbenzene

Concen: 49.533 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 691587

Ion Ratio Lower Upper

105 100

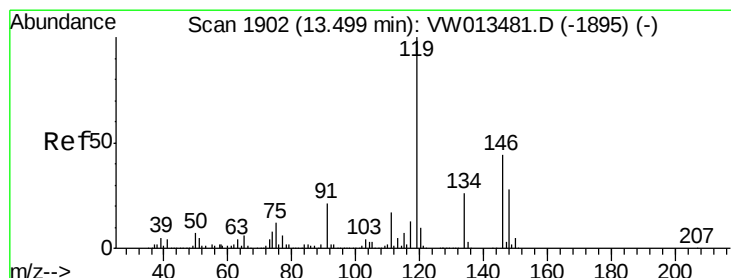
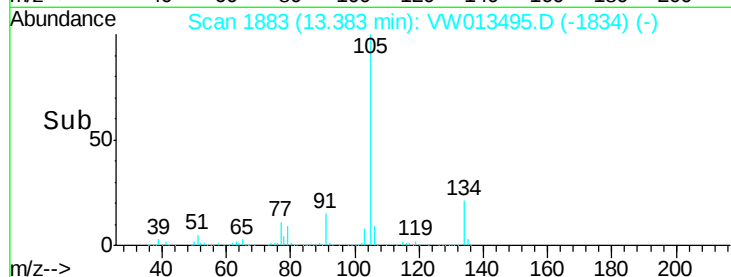
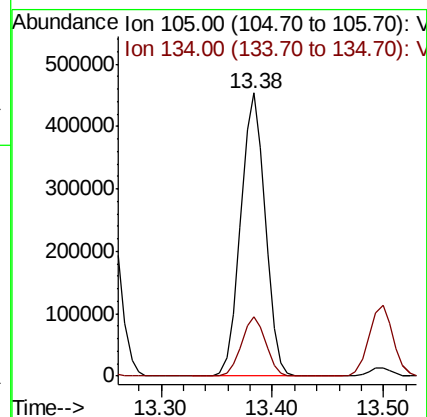
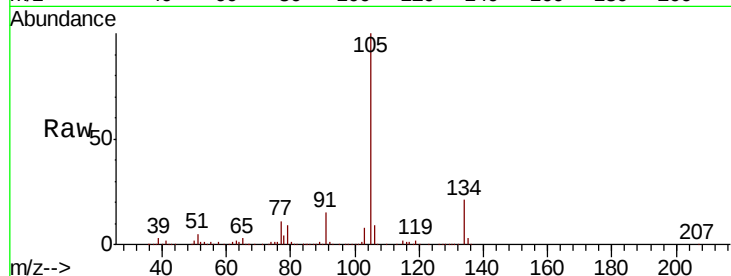
134 20.7 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 50.095 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013495.D

Acq: 09 Oct 2019 09:44

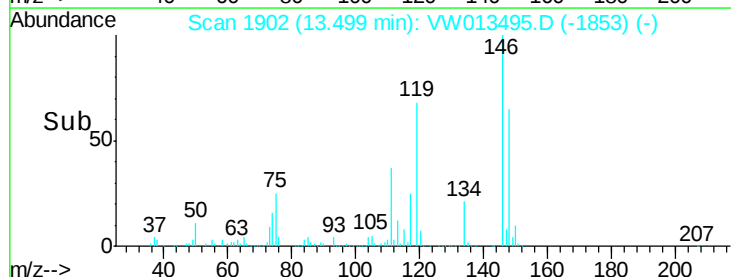
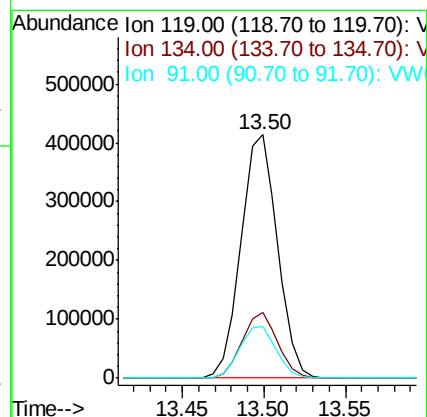
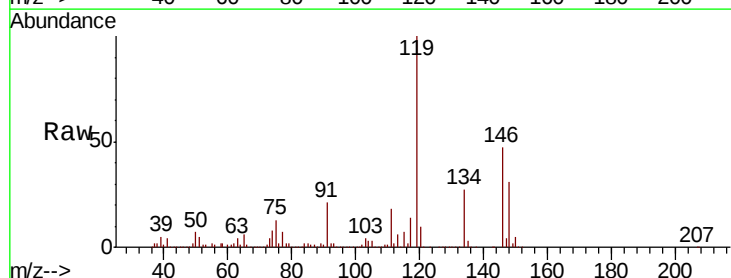
Tgt Ion:119 Resp: 642620

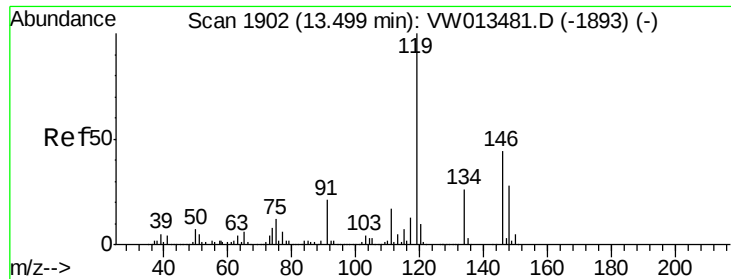
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 21.3 10.8 32.3





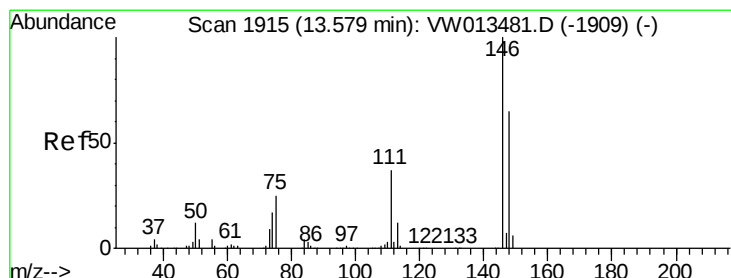
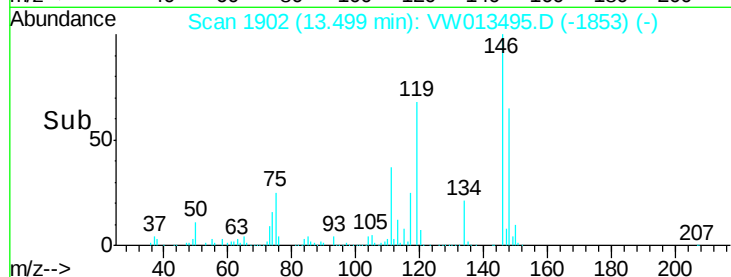
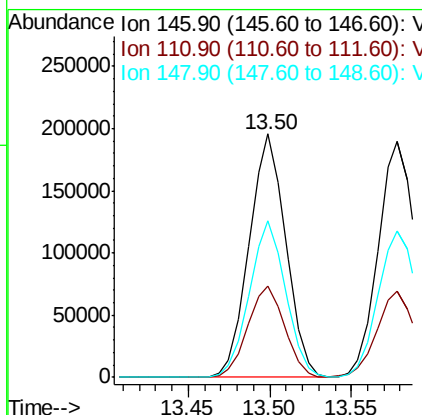
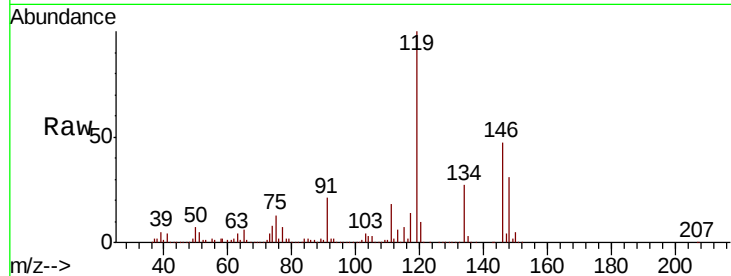
#87
 1,3-Dichlorobenzene
 Concen: 49.667 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	63.7	32.3	96.8

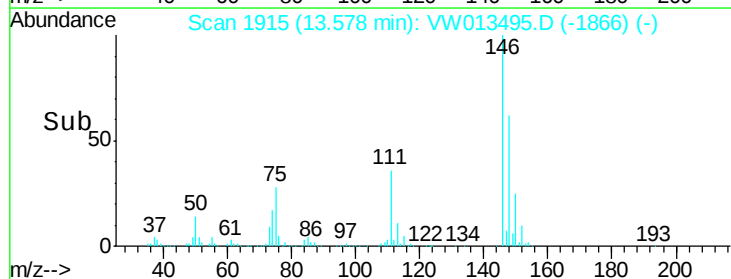
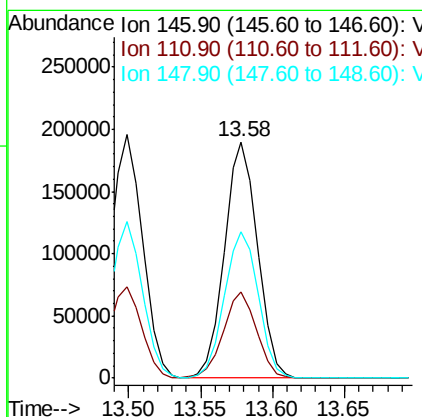
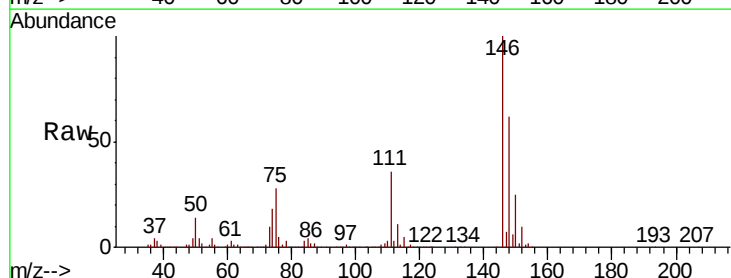
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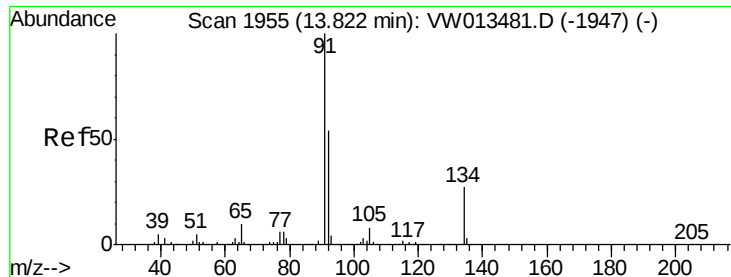
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#88
 1,4-Dichlorobenzene
 Concen: 50.600 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.4
148	63.6	32.0	96.2





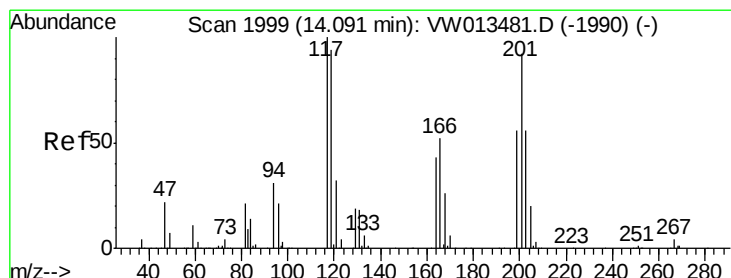
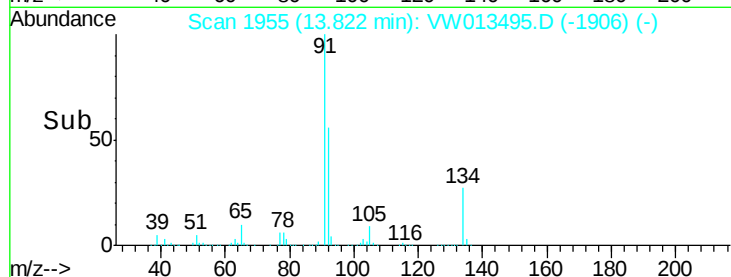
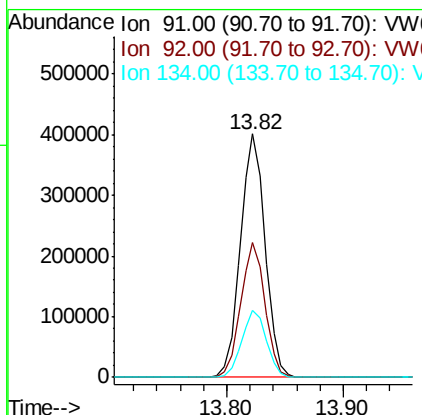
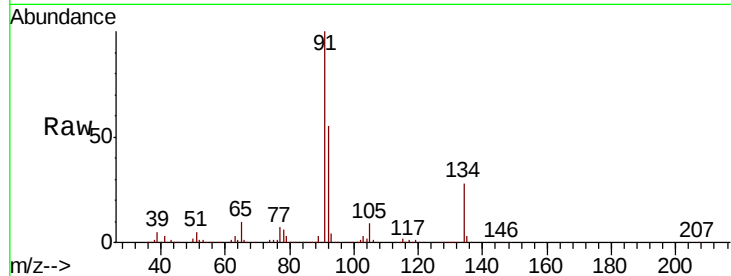
#89
n-Butylbenzene
Concen: 51.028 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.5	82.4
134	27.6	13.8	41.3

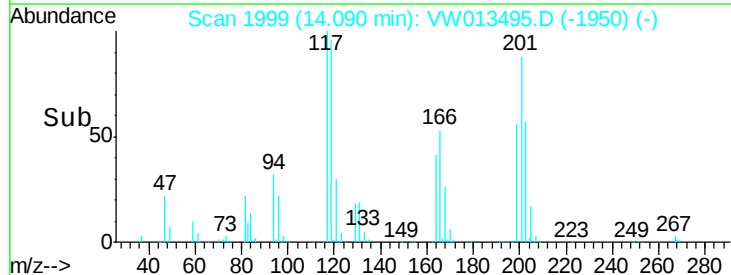
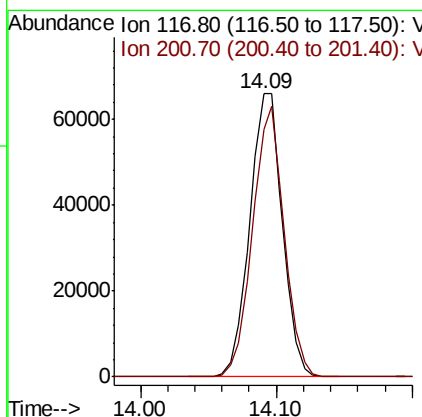
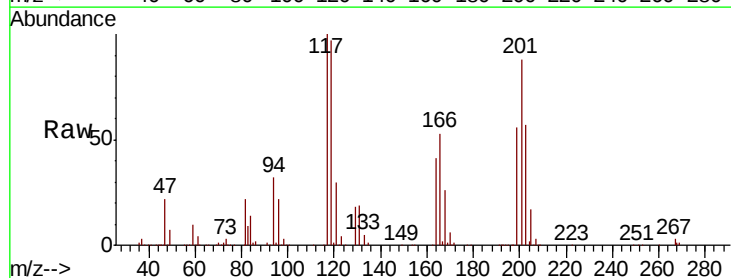
Manual Integrations
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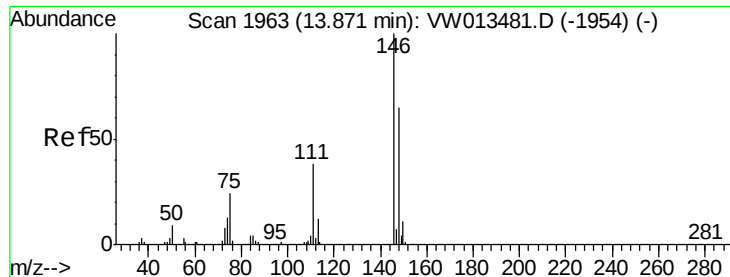
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#90
Hexachloroethane
Concen: 50.635 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	46.9	140.7





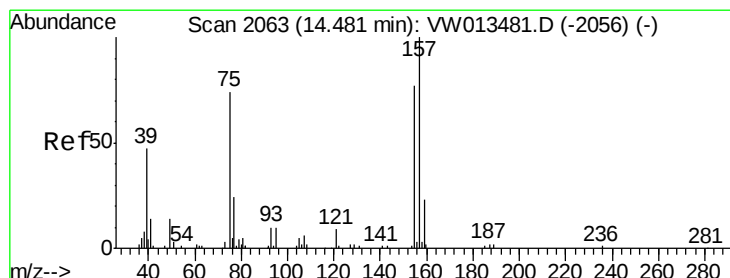
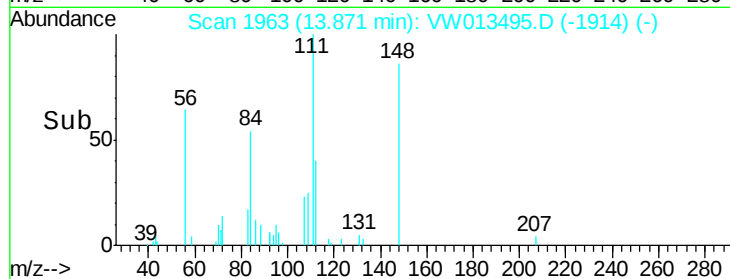
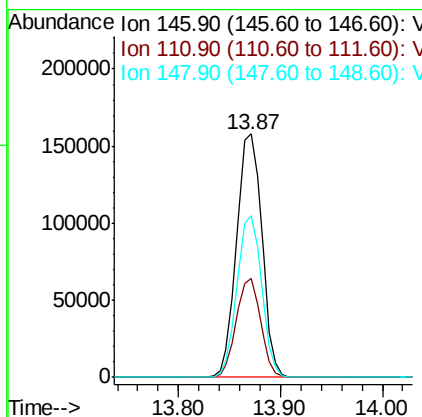
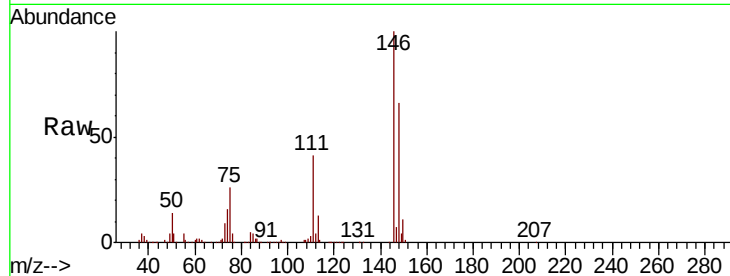
#91
 1,2-Dichlorobenzene
 Concen: 49.801 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.2
148	64.6	31.8	95.3

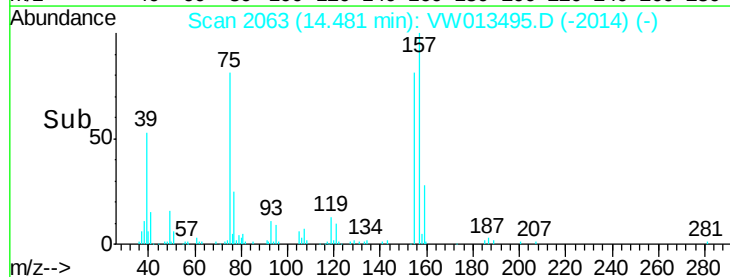
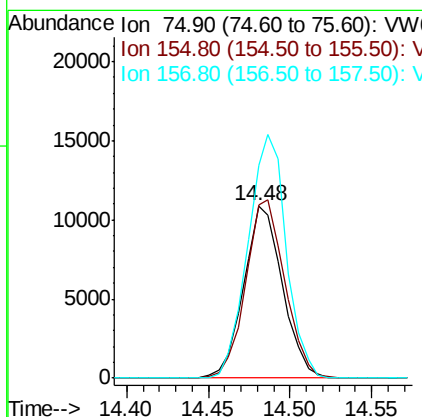
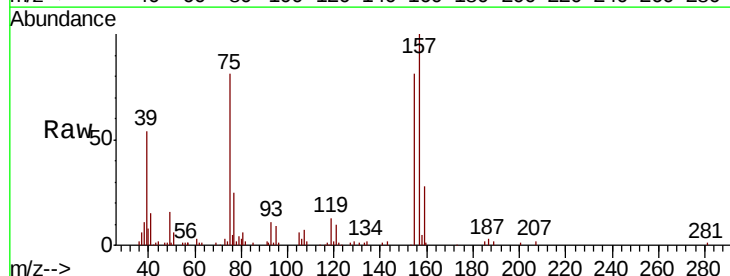
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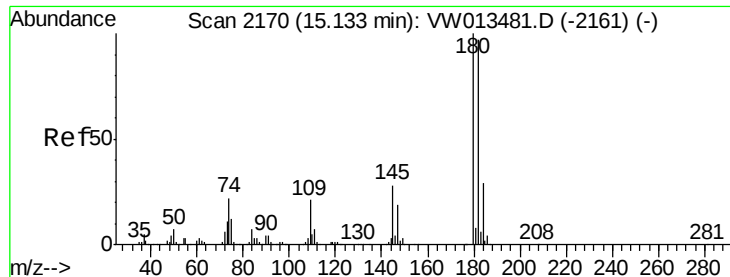
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.153 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.8	51.0	153.1
157	139.9	65.9	197.7





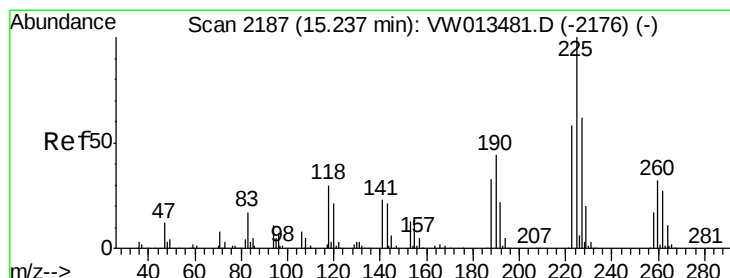
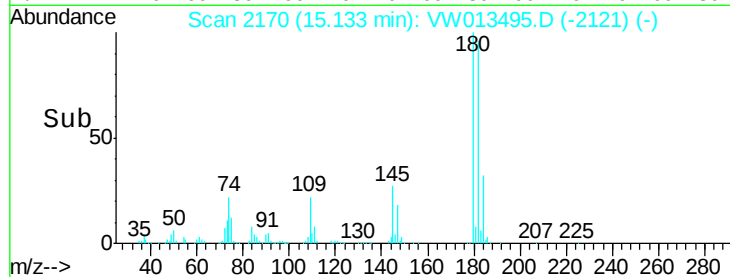
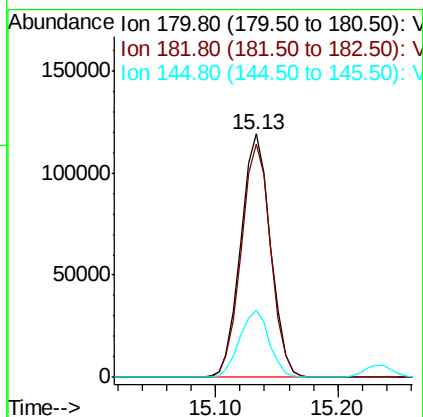
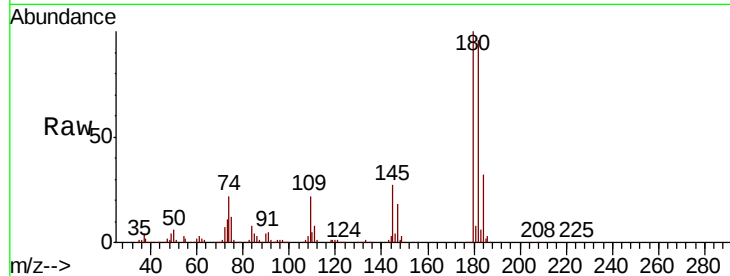
#93
 1,2,4-Trichlorobenzene
 Concen: 52.150 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	200285		
182	95.4	47.7	143.1	
145	27.6	14.0	41.9	

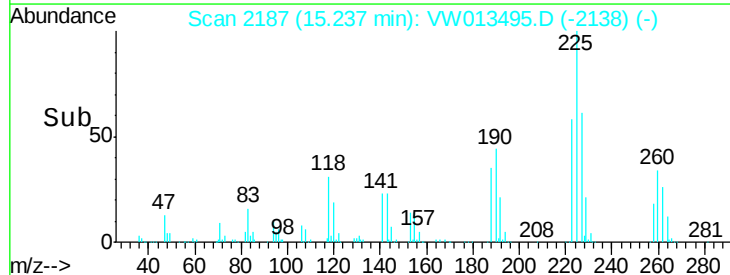
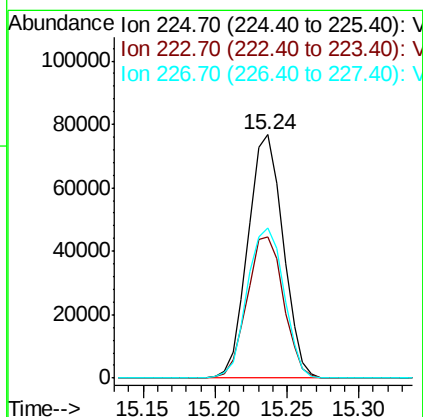
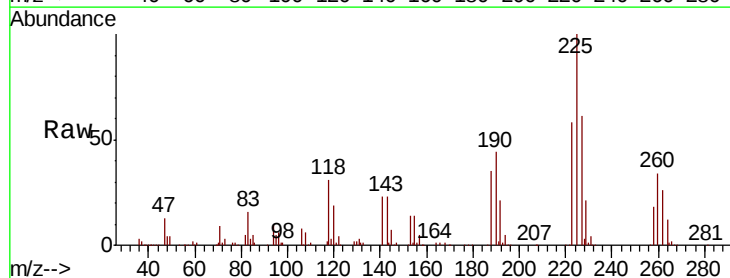
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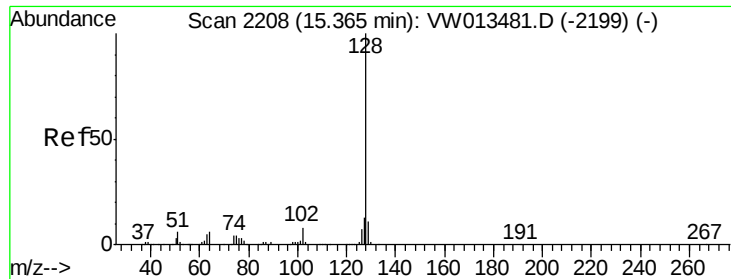
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#94
 Hexachlorobutadiene
 Concen: 50.750 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013495.D
 Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129526		
223	60.1	30.3	90.9	
227	64.4	32.0	96.0	





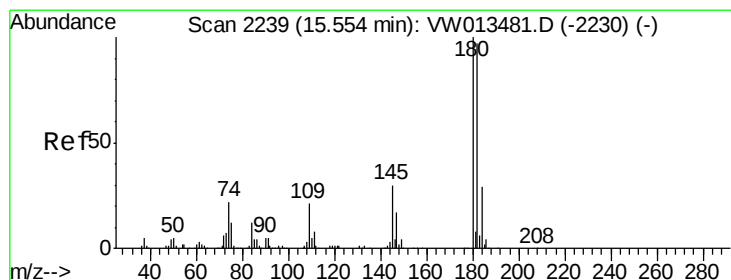
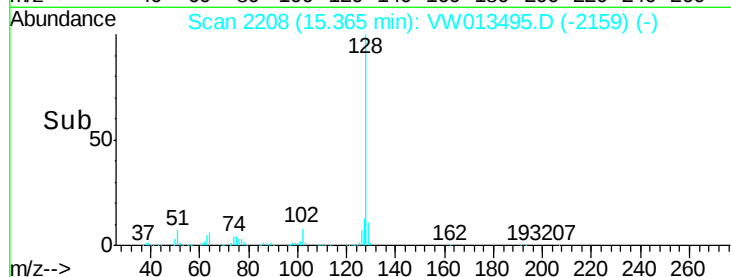
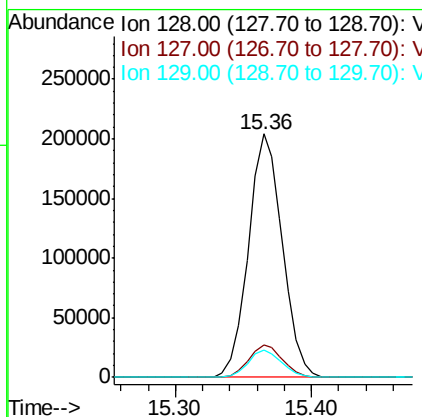
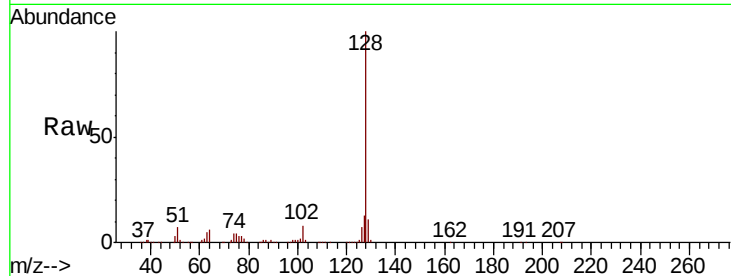
#95
Naphthalene
Concen: 53.516 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	355532		
127	13.2	10.6	16.0	
129	11.1	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.790 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013495.D
Acq: 09 Oct 2019 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	177287		
182	93.9	47.7	143.1	
145	29.1	14.9	44.9	

