

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082820\
 Data File : VW016400.D
 Acq On : 28 Aug 2020 14:08
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:59:31 AM

Quant Time: Aug 28 14:38:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 14:25:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	175606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	270101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120421	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	175342	102.82	ug/l	0.00
Spiked Amount			Recovery	=	205.64%	
35) Dibromofluoromethane	7.88	113	171968	103.76	ug/l	0.00
Spiked Amount			Recovery	=	207.52%	
50) Toluene-d8	10.32	98	659497	103.32	ug/l	0.00
Spiked Amount			Recovery	=	206.64%	
62) 4-Bromofluorobenzene	12.62	95	244196	106.42	ug/l	0.00
Spiked Amount			Recovery	=	212.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	107398	90.740	ug/l	98
3) Chloromethane	2.21	50	94769	77.235	ug/l	100
4) Vinyl Chloride	2.37	62	138873	80.595	ug/l	94
5) Bromomethane	2.78	94	96791	88.782	ug/l	95
6) Chloroethane	2.92	64	84069	85.861	ug/l	95
7) Trichlorofluoromethane	3.26	101	171774	115.650	ug/l	97
8) Diethyl Ether	3.68	74	82667	92.290	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	166316	89.166	ug/l	98
10) Methyl Iodide	4.28	142	255647	93.993	ug/l	99
11) Tert butyl alcohol	5.20	59	49012	524.184	ug/l	100
12) 1,1-Dichloroethene	4.04	96	168803	88.996	ug/l	95
13) Acrolein	3.90	56	38410	312.072	ug/l	99
14) Allyl chloride	4.67	41	210922	83.962	ug/l	99
15) Acrylonitrile	5.37	53	155640	465.281	ug/l	99
16) Acetone	4.14	43	143635	458.009	ug/l	95
17) Carbon Disulfide	4.38	76	475367	85.921	ug/l	99
18) Methyl Acetate	4.67	43	65819	87.808	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	248822	104.199	ug/l	96
20) Methylene Chloride	4.91	84	178764	73.699	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	184800	89.368	ug/l	97
22) Diisopropyl ether	6.31	45	406482	85.698	ug/l	98
23) Vinyl Acetate	6.26	43	1271214	466.450	ug/l	99
24) 1,1-Dichloroethane	6.22	63	292580	87.615	ug/l	99
25) 2-Butanone	7.18	43	188961	443.423	ug/l	97
26) 2,2-Dichloropropane	7.17	77	208361	94.331	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	204645	95.237	ug/l	96
28) Bromochloromethane	7.51	49	110253	88.184	ug/l	99
29) Tetrahydrofuran	7.54	42	116309	453.963	ug/l	98
30) Chloroform	7.68	83	326213	92.594	ug/l	100
31) Cyclohexane	7.96	56	253109	82.601	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	292247	98.016	ug/l	99
36) 1,1-Dichloropropene	8.09	75	258662	97.198	ug/l	99
37) Ethyl Acetate	7.26	43	87381	96.939	ug/l	98
38) Carbon Tetrachloride	8.07	117	286843	106.189	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	320125	100.103	ug/l	98
40) Benzene	8.32	78	684422	91.989	ug/l	97
41) Methacrylonitrile	7.48	41	51444	100.348	ug/l	99
42) 1,2-Dichloroethane	8.40	62	209125	104.384	ug/l	100
43) Isopropyl Acetate	8.43	43	175642	102.748	ug/l	99
44) Trichloroethene	9.10	130	208345	97.764	ug/l	98
45) 1,2-Dichloropropane	9.37	63	158325	90.830	ug/l	98
46) Dibromomethane	9.46	93	94419	101.427	ug/l	97
47) Bromodichloromethane	9.65	83	247805	102.505	ug/l	99
48) Methyl methacrylate	9.44	41	83447	105.292	ug/l	99
49) 1,4-Dioxane	9.47	88	26599	2280.351	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	428752	499.384	ug/l	100
52) Toluene	10.39	92	471518	98.731	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	248292	110.582	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	285854	103.638	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	133129	99.501	ug/l	96
56) Ethyl methacrylate	10.65	69	165834	109.582	ug/l	100
57) 1,3-Dichloropropane	10.93	76	225195	99.534	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	354060	512.935	ug/l	100
59) 2-Hexanone	10.97	43	299794	512.325	ug/l	99
60) Dibromochloromethane	11.13	129	176707	109.691	ug/l	100
61) 1,2-Dibromoethane	11.24	107	131985	102.422	ug/l	96
64) Tetrachloroethene	10.87	164	169618	102.872	ug/l	95
65) Chlorobenzene	11.66	112	507799	99.461	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	187858	104.438	ug/l	98
67) Ethyl Benzene	11.73	91	928486	101.652	ug/l	98
68) m/p-Xylenes	11.84	106	705193	200.989	ug/l	98
69) o-Xylene	12.16	106	325939	104.240	ug/l	97
70) Styrene	12.18	104	562697	103.939	ug/l	99
71) Bromoform	12.35	173	98337	120.098	ug/l #	100
73) Isopropylbenzene	12.46	105	920804	100.264	ug/l	100
74) N-amyl acetate	12.27	43	161543	99.583	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	144908	95.242	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	102662m	93.273	ug/l	
77) Bromobenzene	12.75	156	204380	99.661	ug/l	99
78) n-propylbenzene	12.80	91	1047646	95.929	ug/l	97
79) 2-Chlorotoluene	12.90	91	618035	97.721	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	792219	100.043	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	49814	108.350	ug/l	98
82) 4-Chlorotoluene	12.99	91	644491	98.104	ug/l	99
83) tert-Butylbenzene	13.21	119	683958	105.603	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	791197	101.496	ug/l	99
85) sec-Butylbenzene	13.38	105	927877	99.157	ug/l	99
86) p-Isopropyltoluene	13.50	119	859889	100.853	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	397795	98.580	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	387399	96.436	ug/l	99
89) n-Butylbenzene	13.82	91	795217	101.315	ug/l	99
90) Hexachloroethane	14.10	117	160323	100.670	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	355612	99.944	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27597	115.131	ug/l	99

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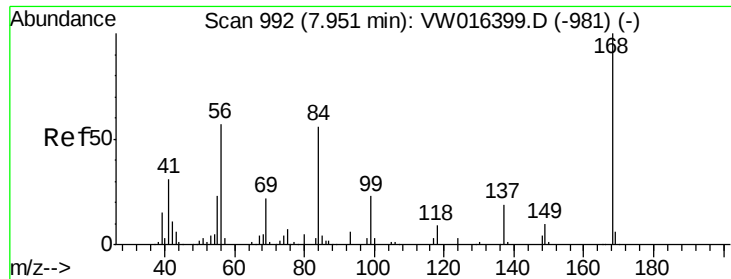
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	245072	113.969	ug/l	95
94) Hexachlorobutadiene	15.23	225	139407	107.115	ug/l	96
95) Naphthalene	15.37	128	487418	123.943	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	217783	118.121	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 175606

Ion Ratio Lower Upper

168 100

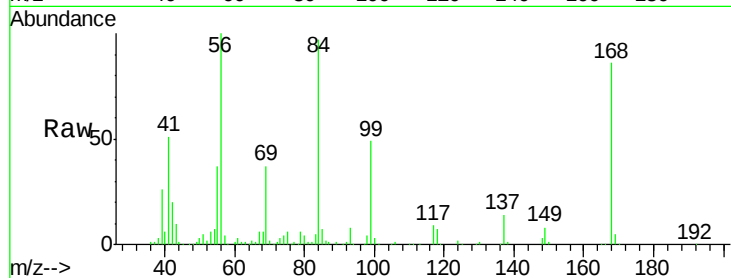
99 56.9 49.0 73.4

Manual Integrations

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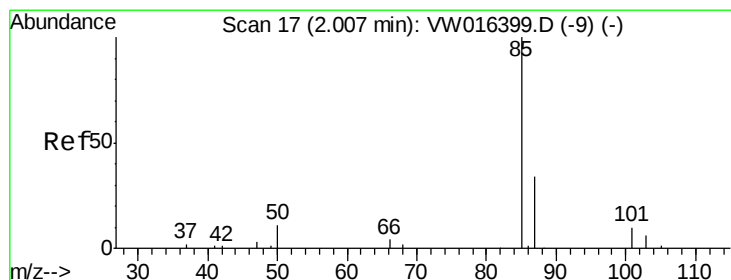
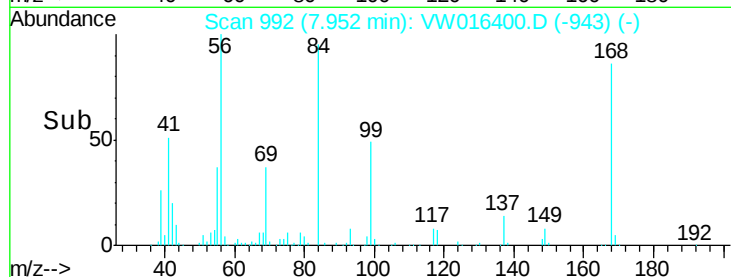
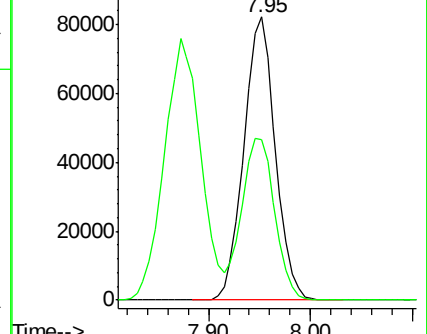
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 90.740 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016400.D

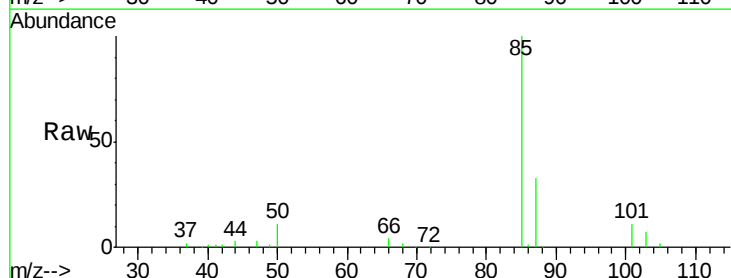
Acq: 28 Aug 2020 14:08

Tgt Ion: 85 Resp: 107398

Ion Ratio Lower Upper

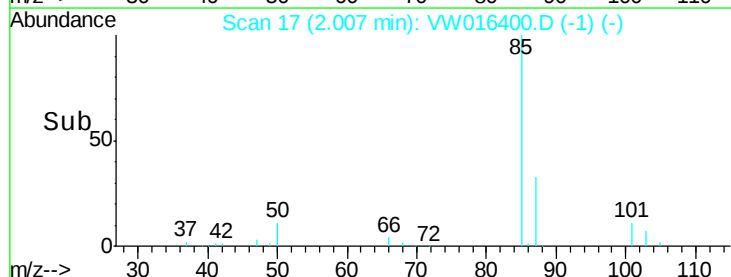
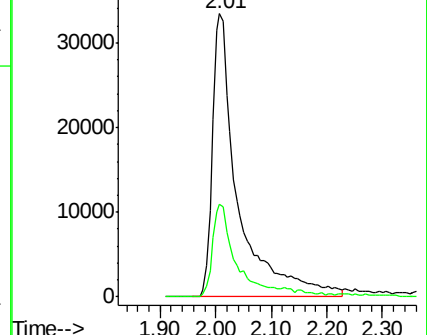
85 100

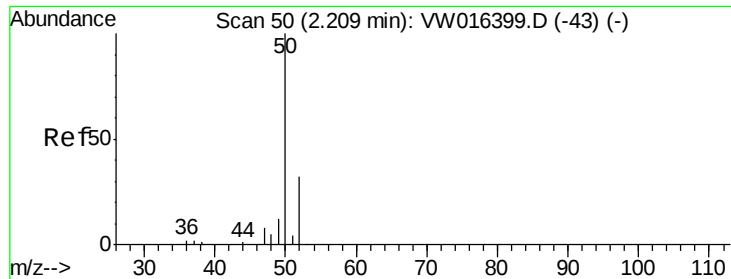
87 32.8 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 77.235 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 94769

Ion Ratio Lower Upper

50 100

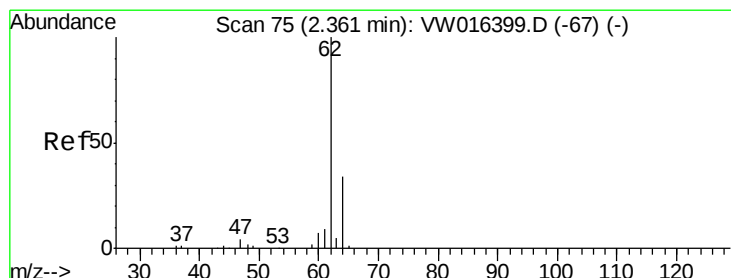
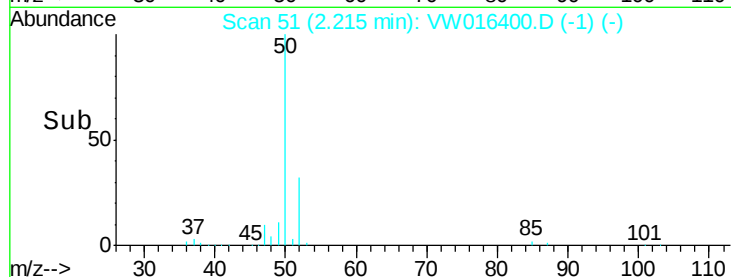
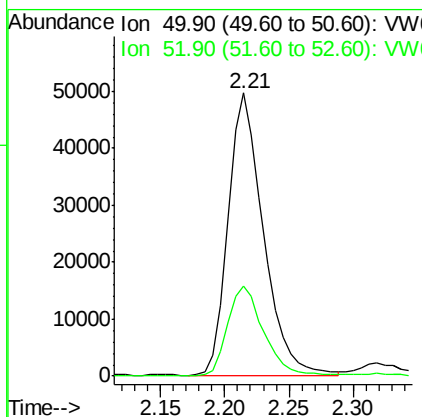
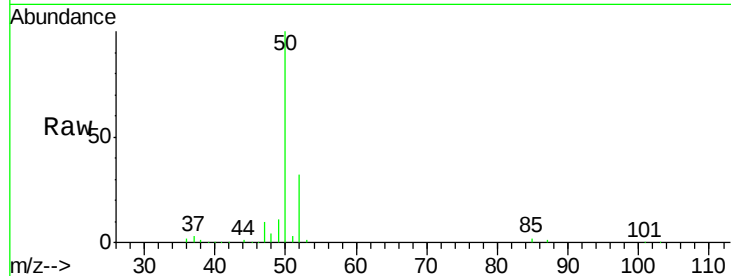
52 32.0 25.5 38.3

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#4

Vinyl Chloride

Concen: 80.595 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW016400.D

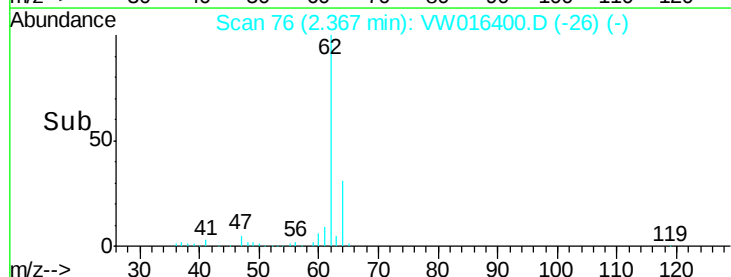
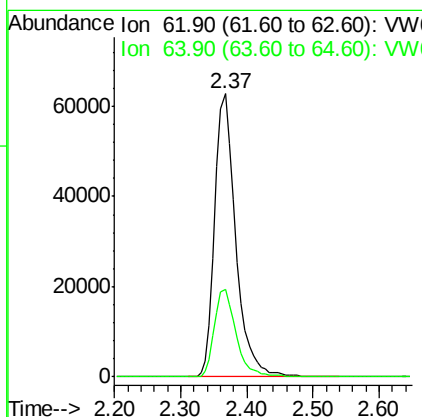
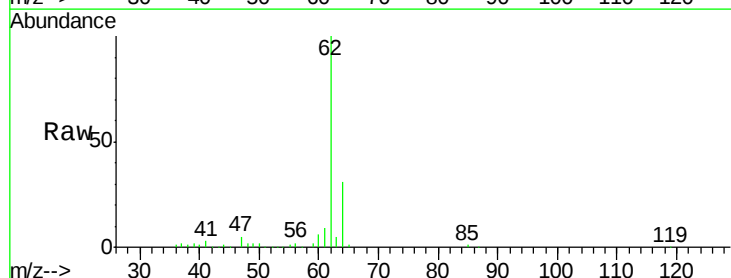
Acq: 28 Aug 2020 14:08

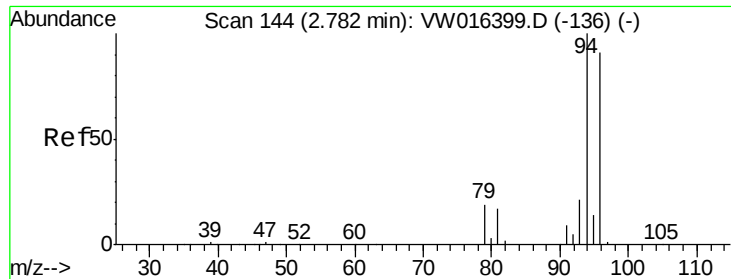
Tgt Ion: 62 Resp: 138873

Ion Ratio Lower Upper

62 100

64 30.8 27.2 40.8





#5

Bromomethane

Concen: 88.782 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 96791

Ion Ratio Lower Upper

94 100

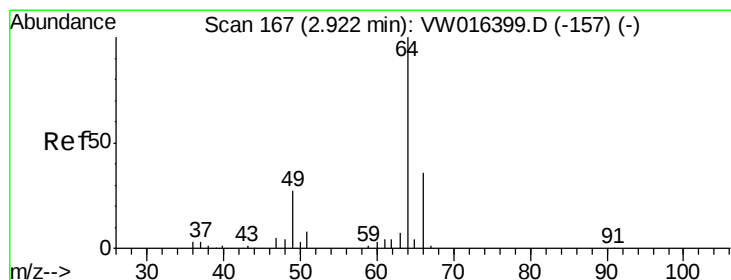
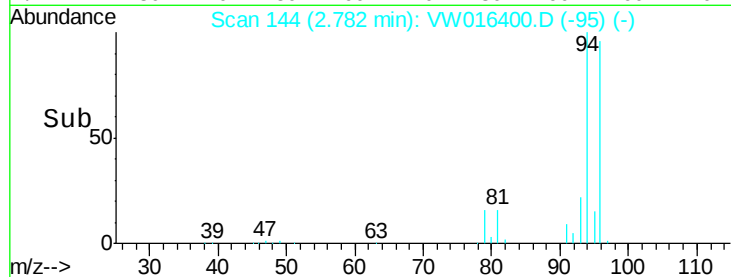
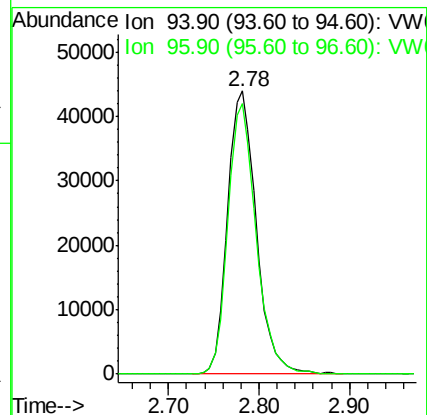
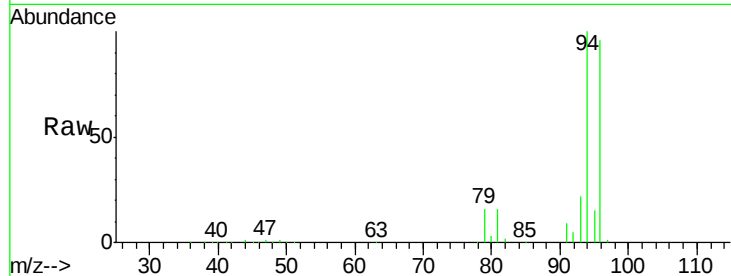
96 95.7 72.6 109.0

Manual Integrations

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#6

Chloroethane

Concen: 85.861 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW016400.D

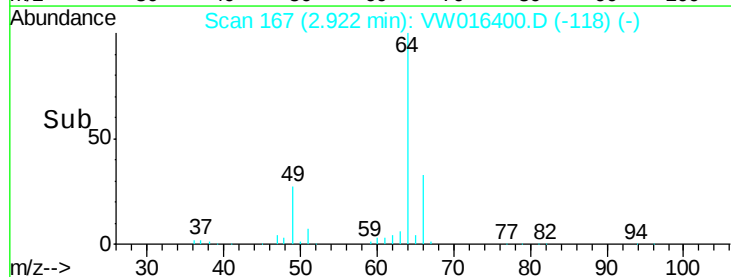
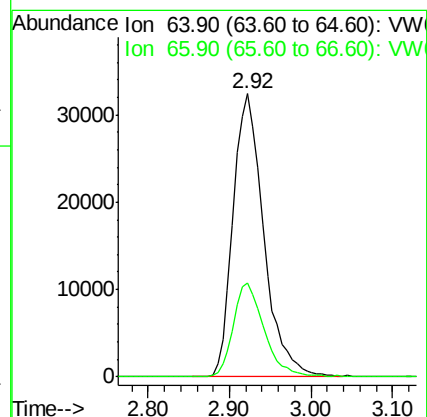
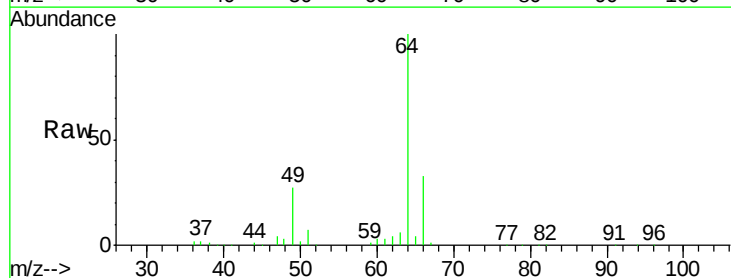
Acq: 28 Aug 2020 14:08

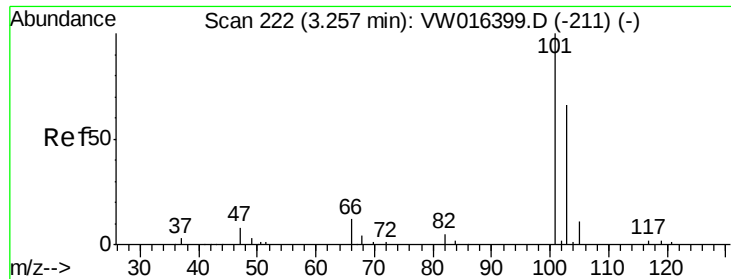
Tgt Ion: 64 Resp: 84069

Ion Ratio Lower Upper

64 100

66 33.2 28.7 43.1





#7

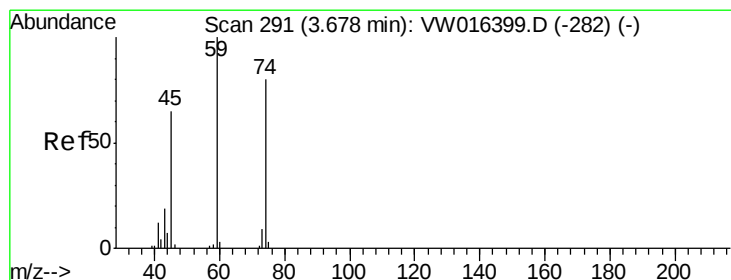
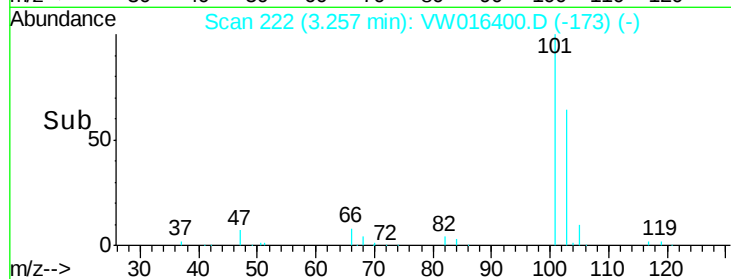
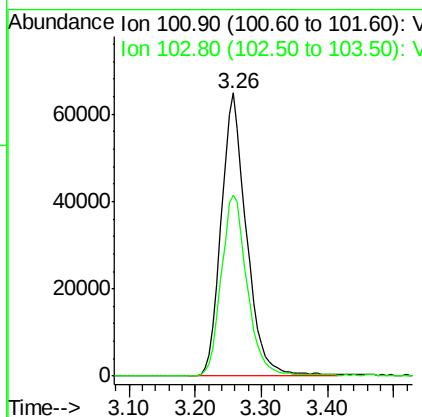
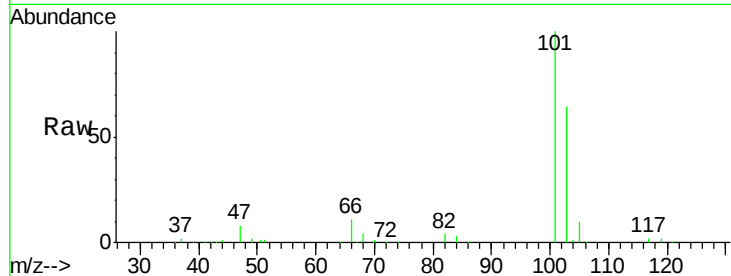
Trichlorofluoromethane
Concen: 115.650 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:101 Resp: 171774
Ion Ratio Lower Upper
101 100
103 63.7 53.0 79.4

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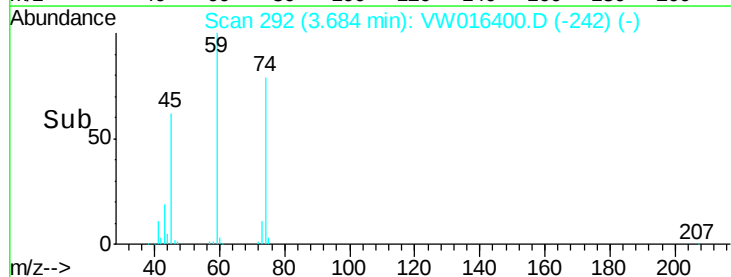
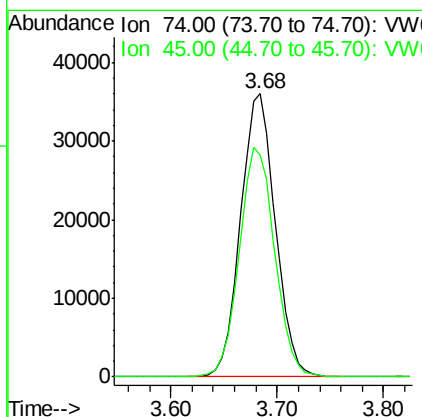
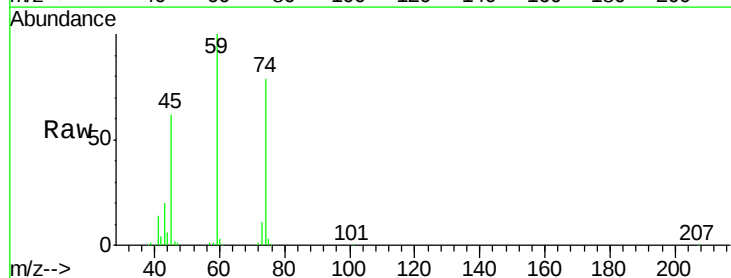
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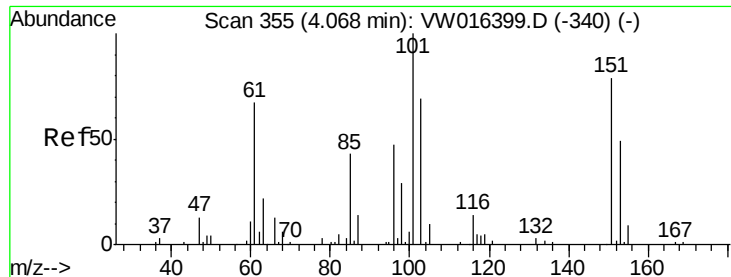


#8

Diethyl Ether
Concen: 92.290 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion: 74 Resp: 82667
Ion Ratio Lower Upper
74 100
45 82.8 42.0 126.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.166 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

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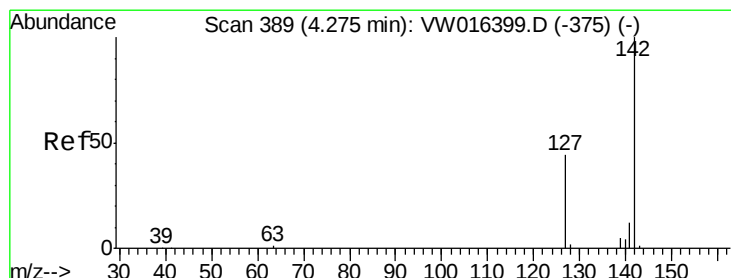
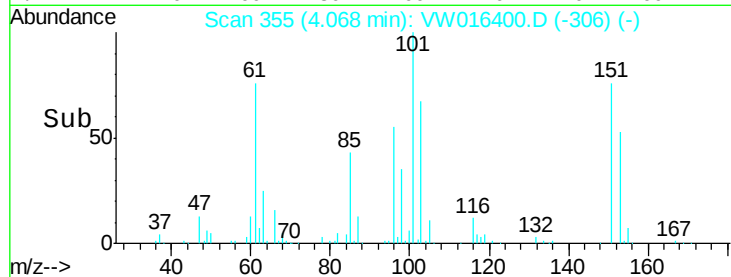
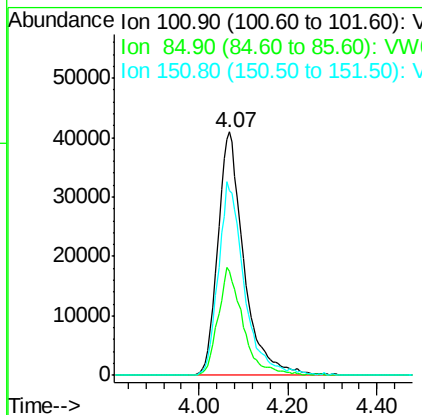
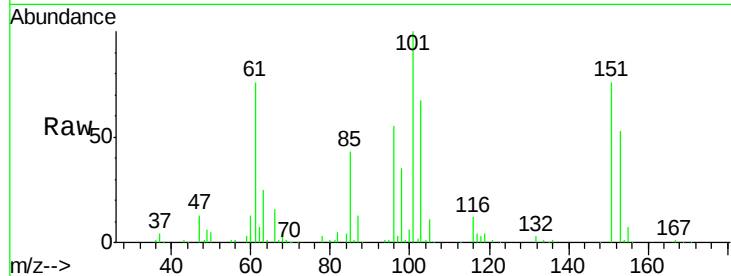
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	166316
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	77.2	63.8	95.8

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#10

Methyl Iodide

Concen: 93.993 ug/l

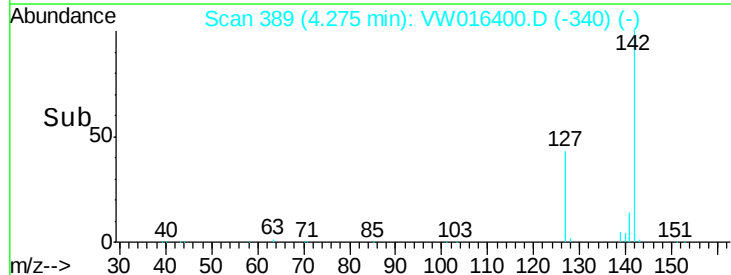
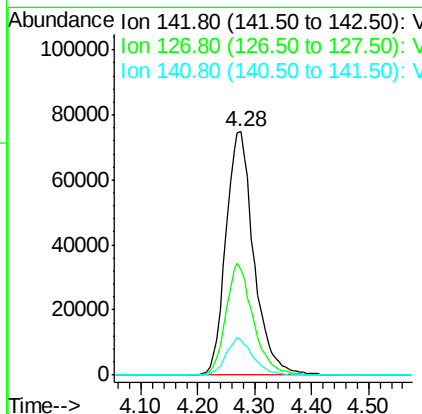
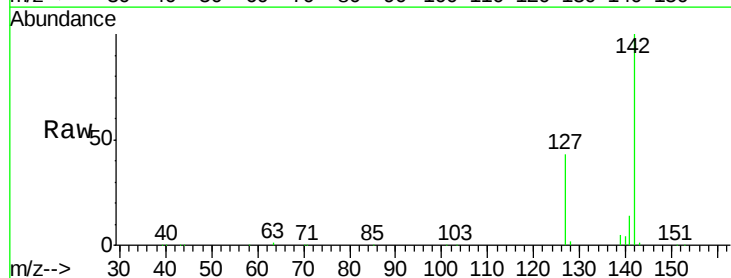
RT: 4.28 min Scan# 389

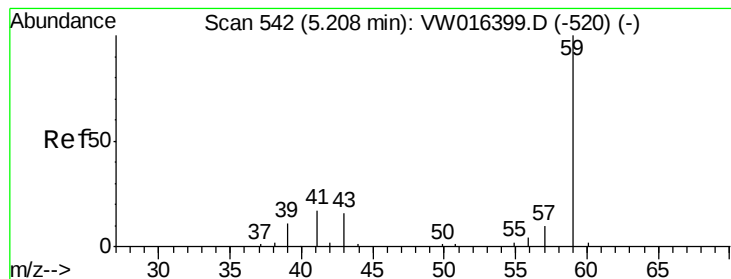
Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Tgt Ion:	142	Resp:	255647
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.2	54.4
141	14.8	11.8	17.6





#11

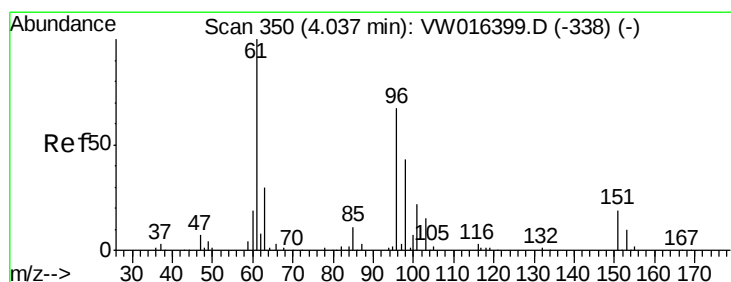
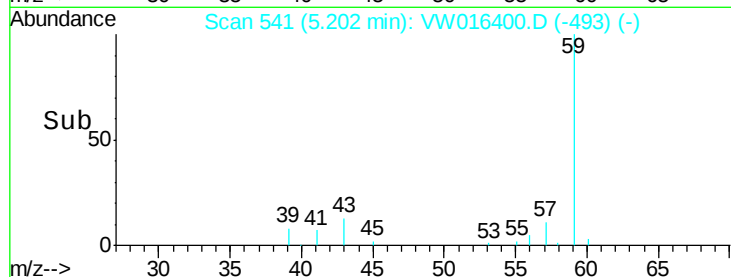
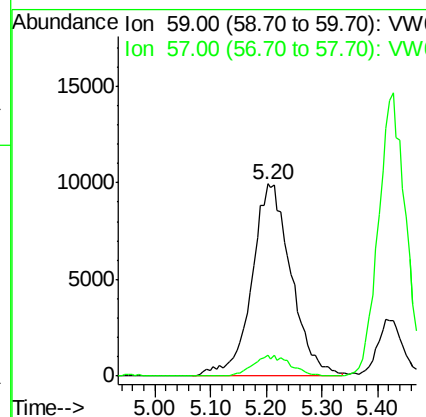
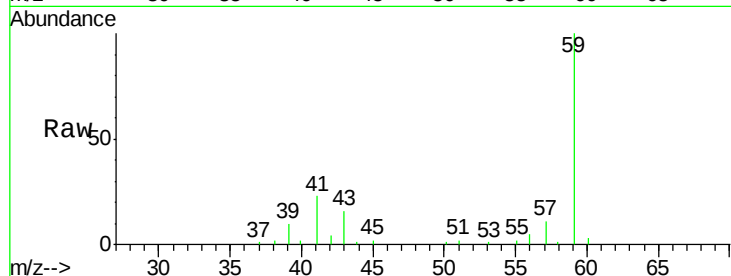
Tert butyl alcohol
 Concen: 524.184 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	49012		
57	10.3		8.2	12.4

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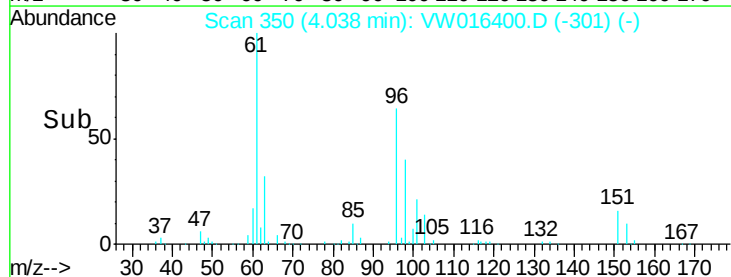
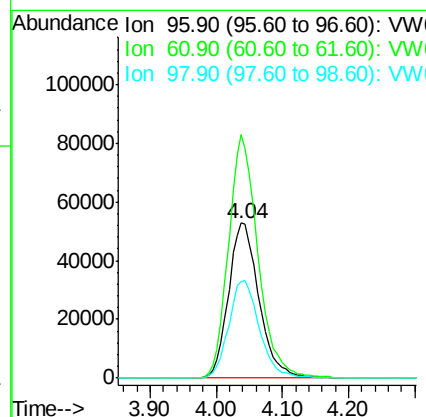
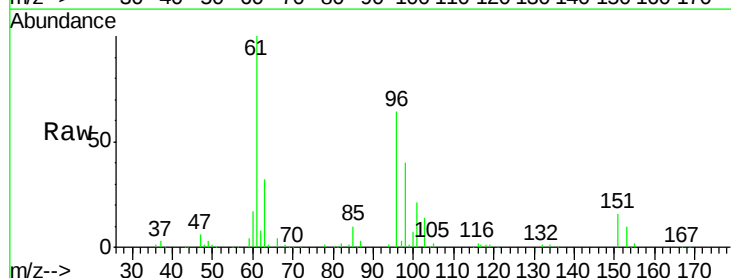
MMDadoda
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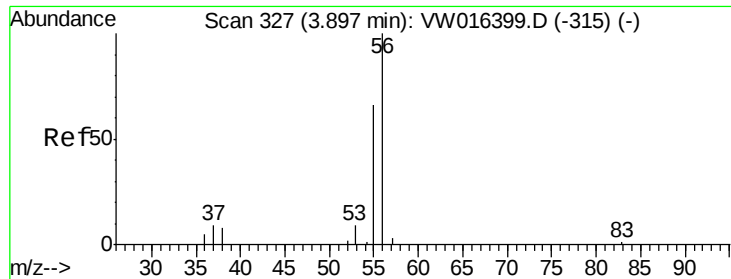


#12

1,1-Dichloroethene
 Concen: 88.996 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	168803		
61	157.1		119.0	178.4
98	62.2		50.6	76.0





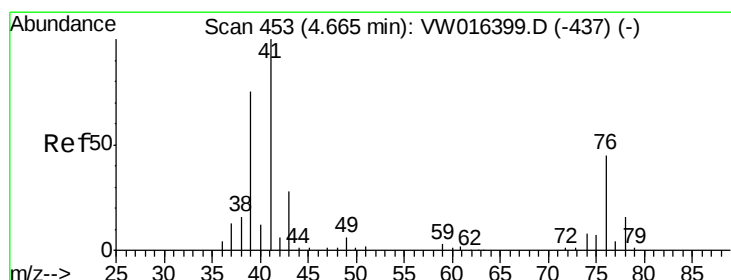
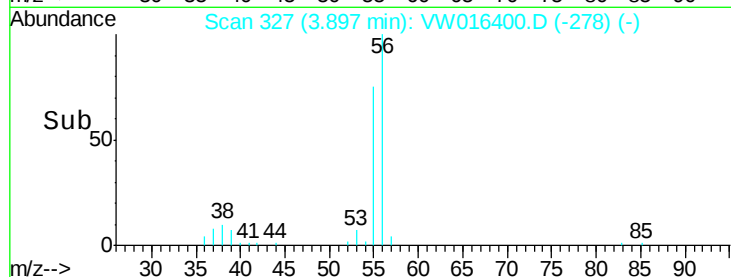
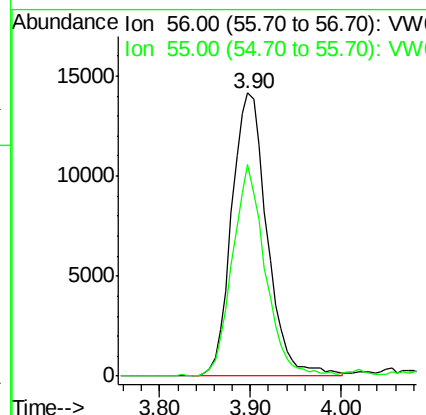
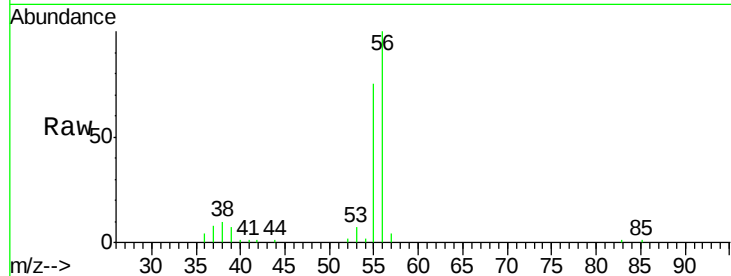
#13
Acrolein
Concen: 312.072 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	38410
Ion Ratio	100	Lower	Upper
56	100		
55	69.3	54.8	82.2

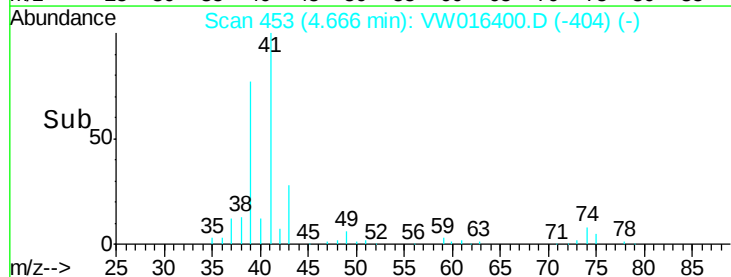
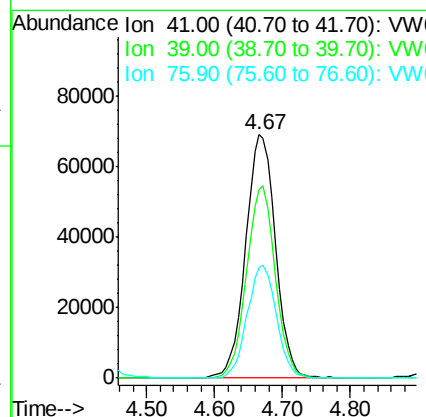
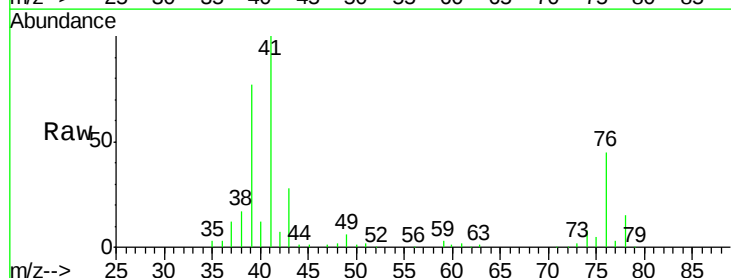
Manual Integrations
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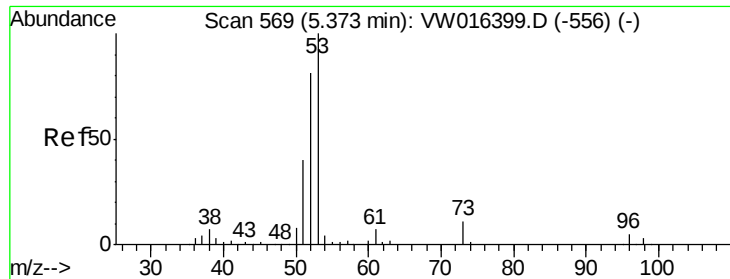
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#14
Allyl chloride
Concen: 83.962 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	41	Resp	210922
Ion Ratio	100	Lower	Upper
41	100		
39	75.9	60.2	90.2
76	45.2	35.7	53.5





#15

Acrylonitrile

Concen: 465.281 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

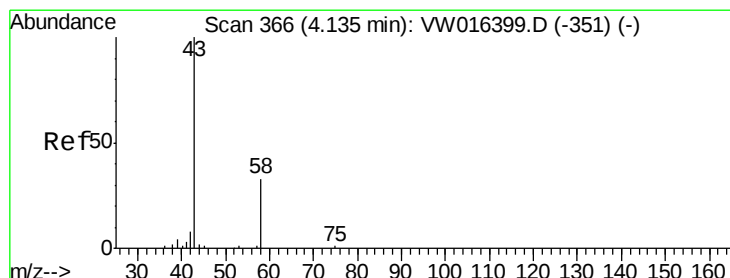
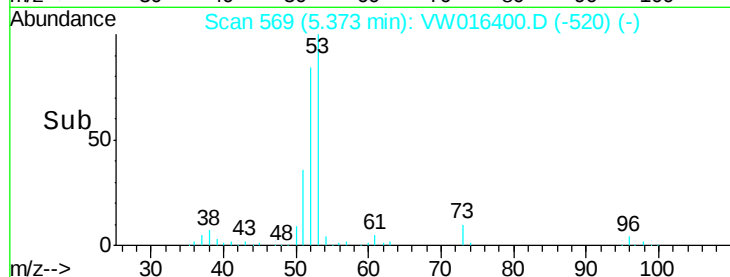
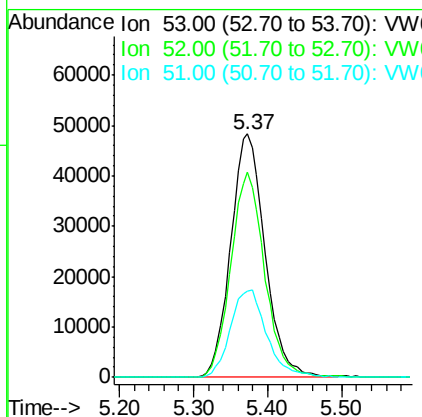
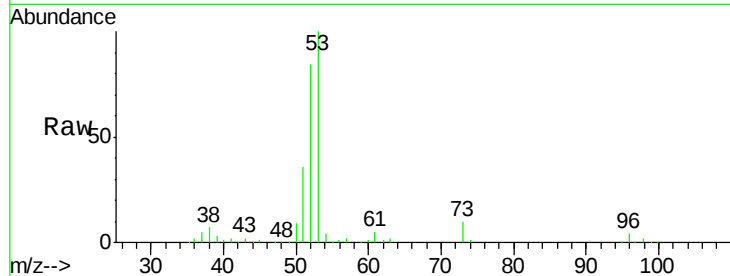
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	155640
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.1	99.1
51	38.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 458.009 ug/l

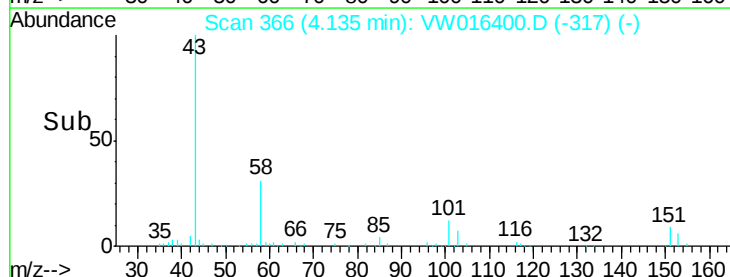
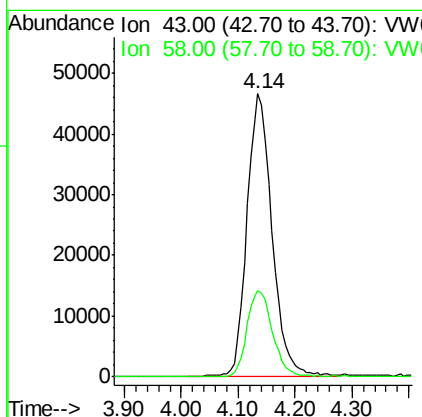
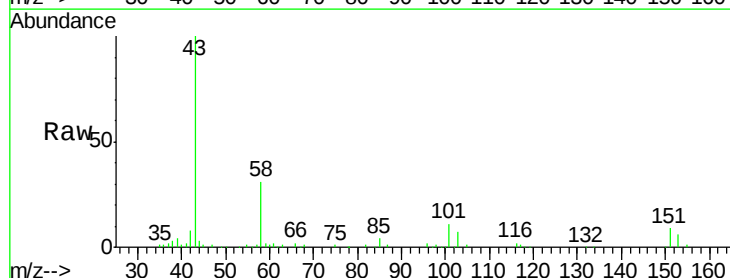
RT: 4.14 min Scan# 366

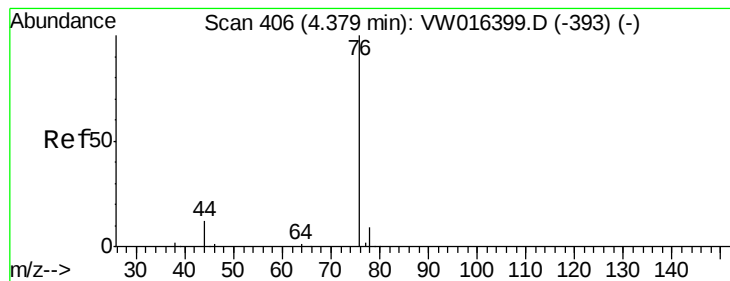
Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Tgt Ion:	43	Resp:	143635
Ion	Ratio	Lower	Upper
43	100		
58	30.6	26.6	39.8





#17

Carbon Disulfide

Concen: 85.921 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Tot Ion: 76 Resp: 475367

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

Instrument :

MSVOA_W

ClientSampleId :

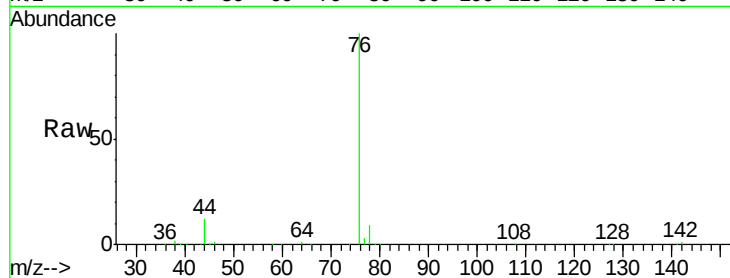
VSTDIC100

Manual Integrations

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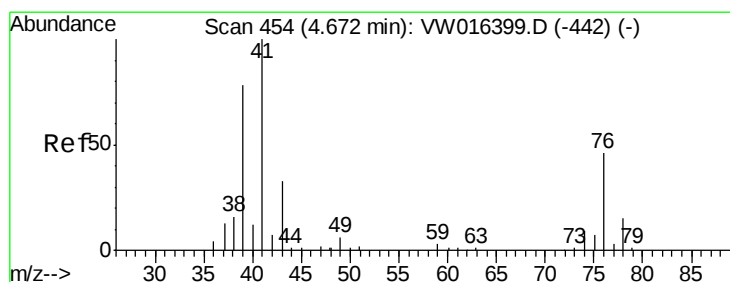
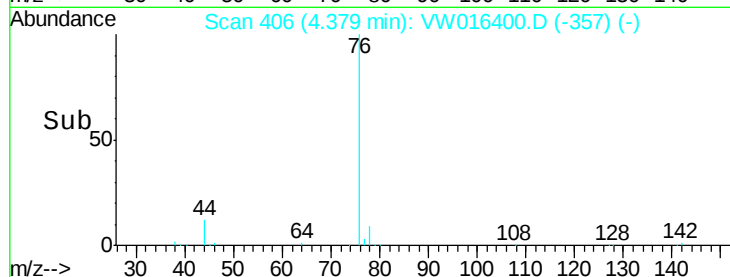
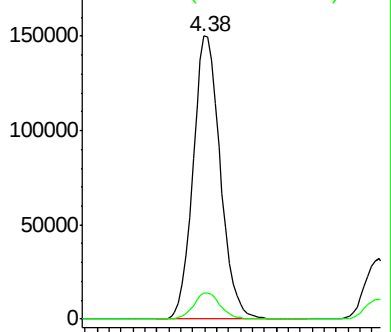
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 87.808 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW016400.D

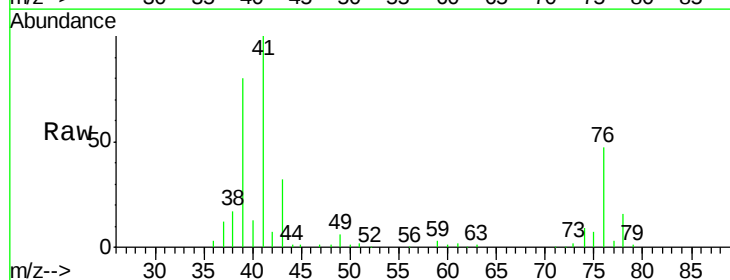
Acq: 28 Aug 2020 14:08

Tgt Ion: 43 Resp: 65819

Ion Ratio Lower Upper

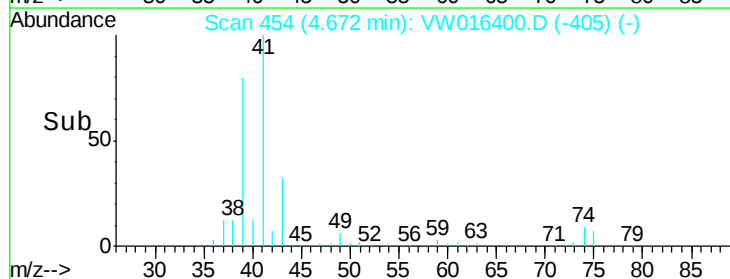
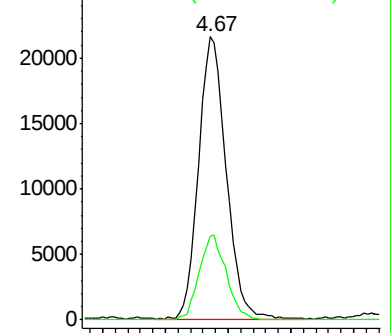
43 100

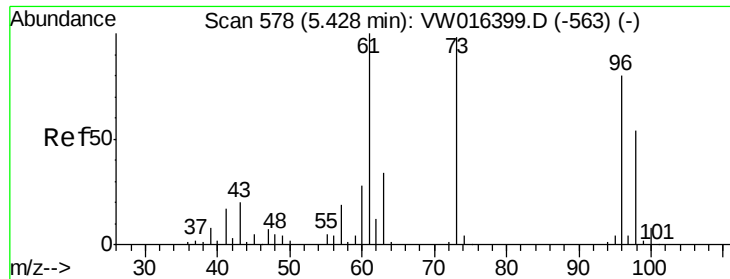
74 29.5 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

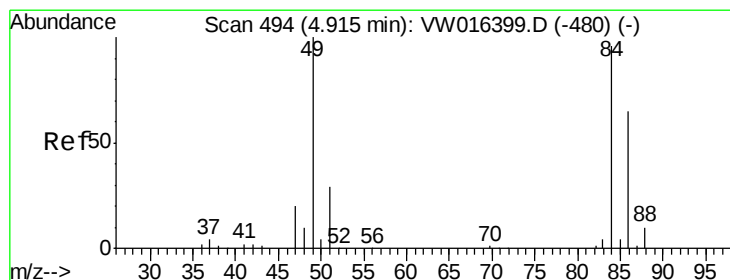
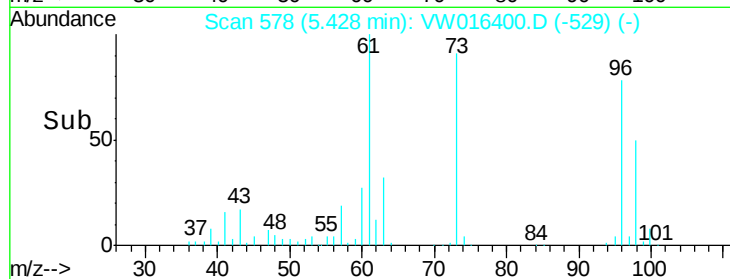
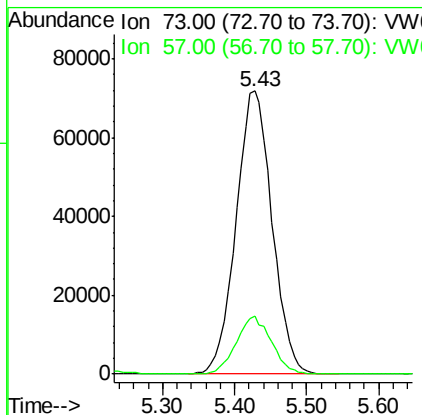
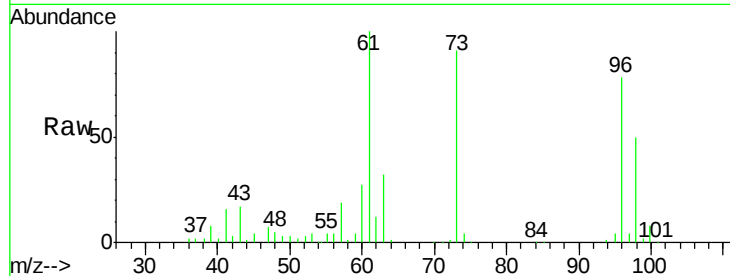
Methyl tert-butyl Ether
 Concen: 104.199 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	15.0	22.6

Manual Integrations
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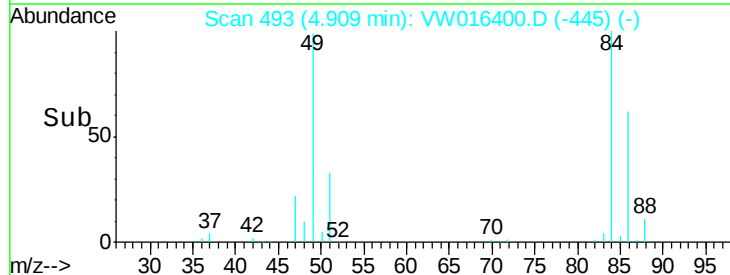
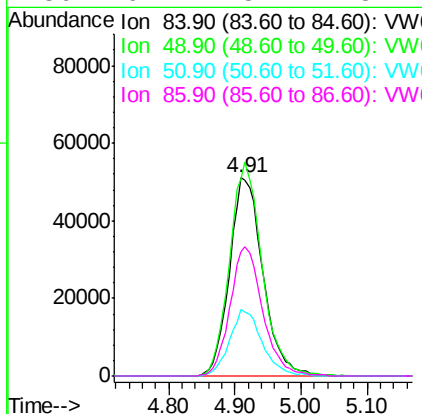
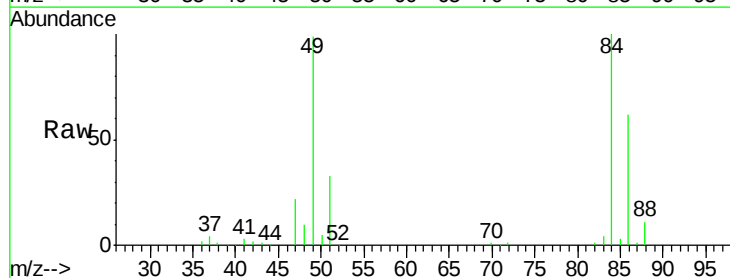
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 8/31/2020 11:59:31 AM

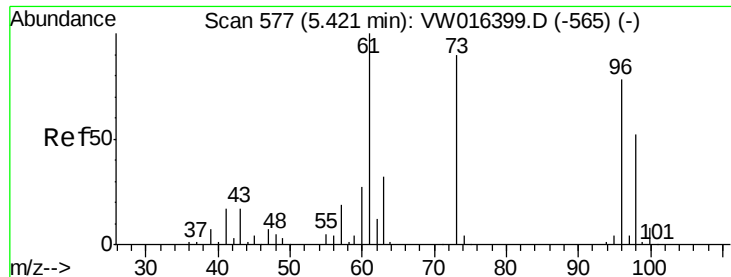


#20

Methylene Chloride
 Concen: 73.699 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	99.4	83.2	124.8
51	33.3	24.4	36.6
86	62.4	54.2	81.2





#21

trans-1,2-Dichloroethene

Concen: 89.368 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 184800

Ion Ratio Lower Upper

96 100

61 125.1 103.0 154.6

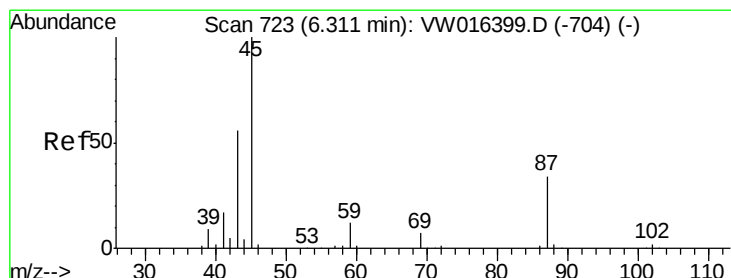
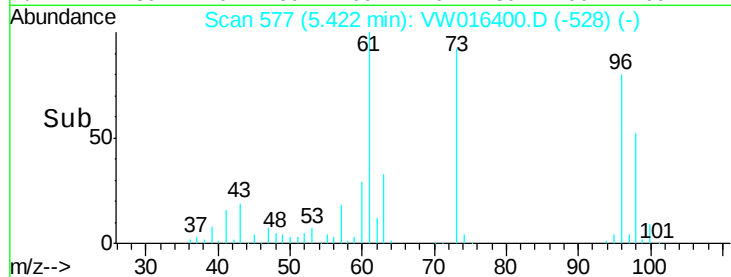
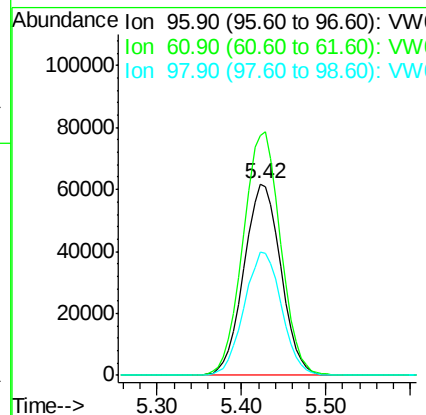
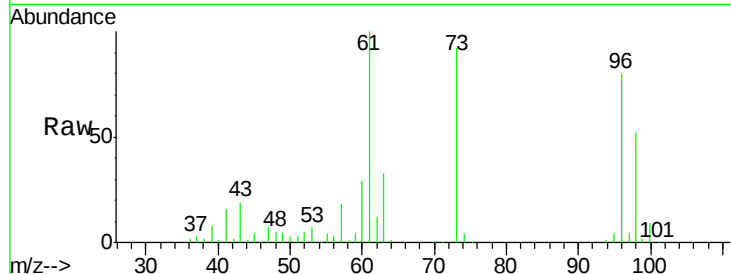
98 64.8 53.8 80.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 85.698 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Tgt Ion: 45 Resp: 406482

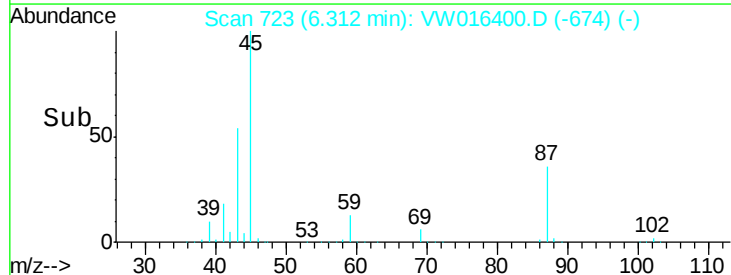
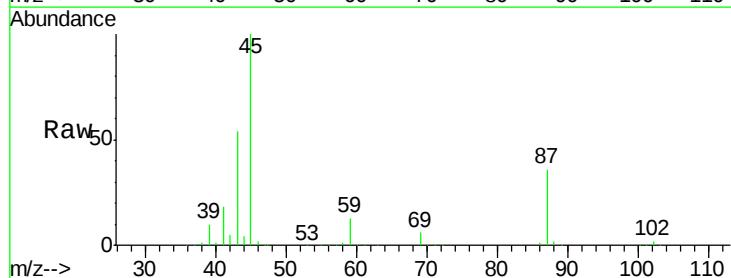
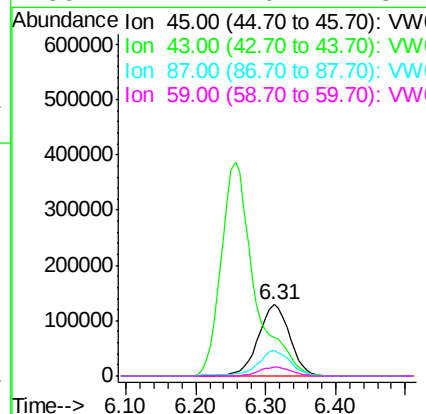
Ion Ratio Lower Upper

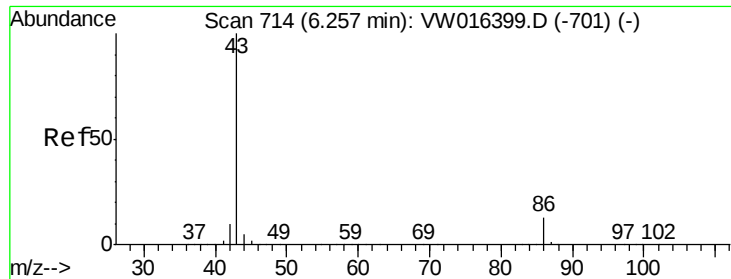
45 100

43 53.6 44.6 67.0

87 35.6 27.5 41.3

59 12.7 10.2 15.2





#23

Vinyl Acetate

Concen: 466.450 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1271214

Ion Ratio Lower Upper

43 100

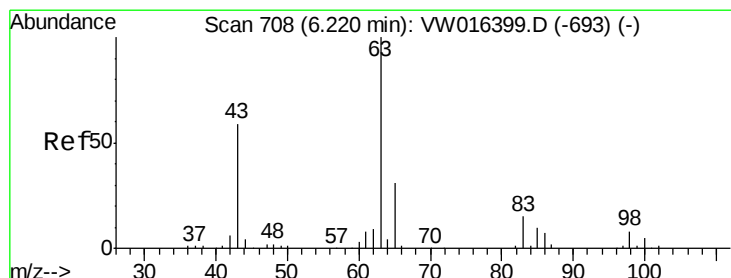
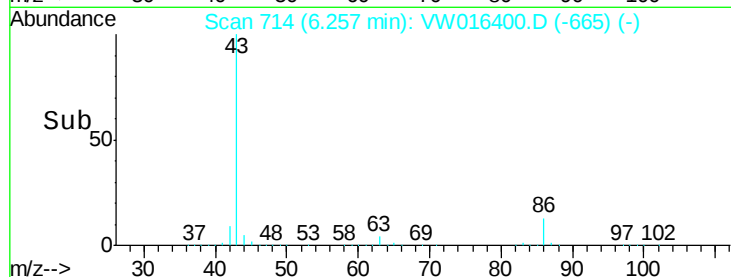
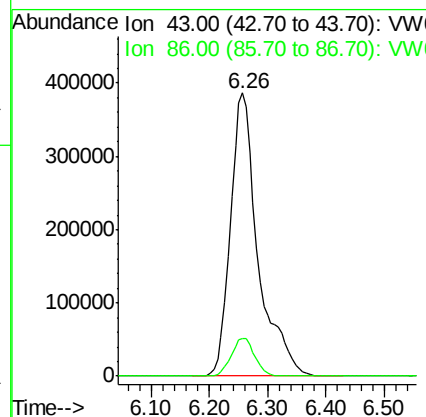
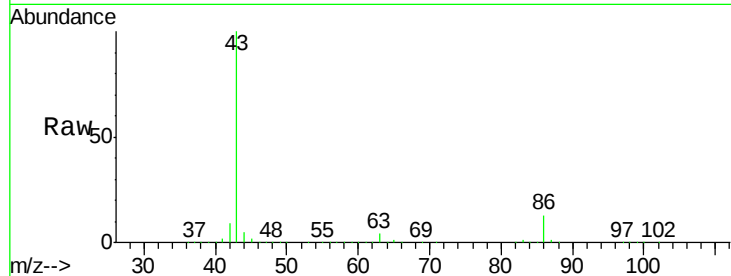
86 13.4 10.6 15.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 87.615 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

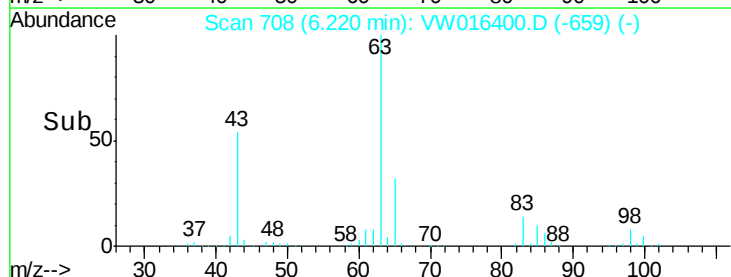
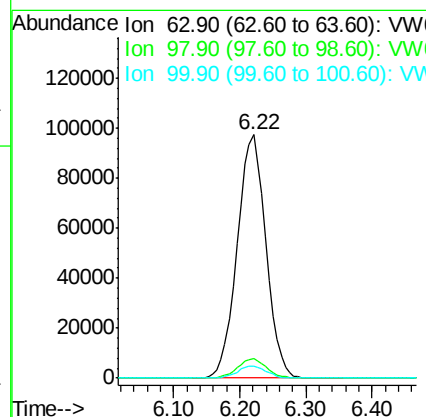
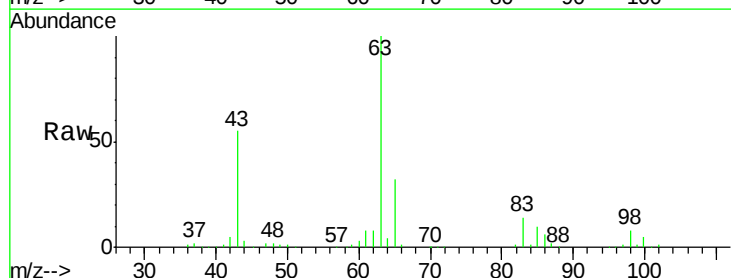
Tgt Ion: 63 Resp: 292580

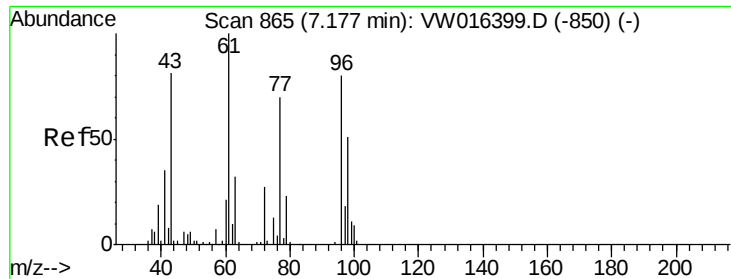
Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

100 5.1 2.5 7.5





#25

2-Butanone

Concen: 443.423 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 188961

Ion Ratio Lower Upper

43 100

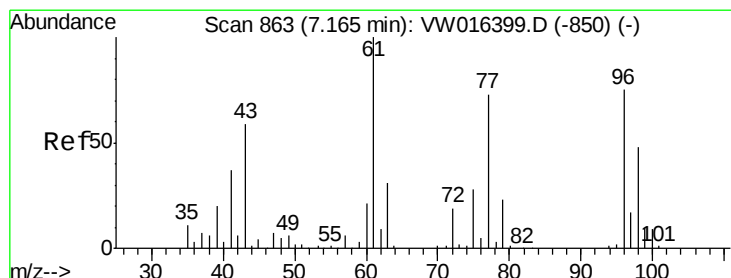
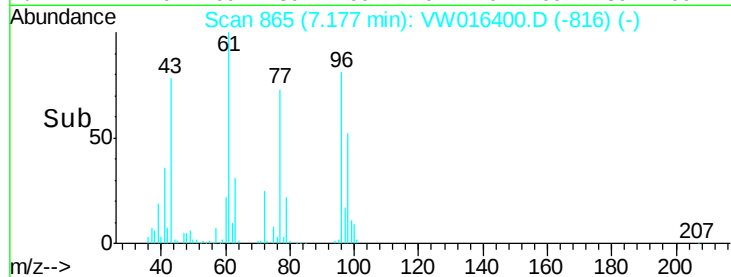
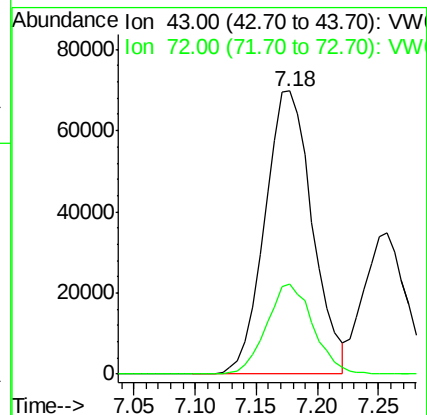
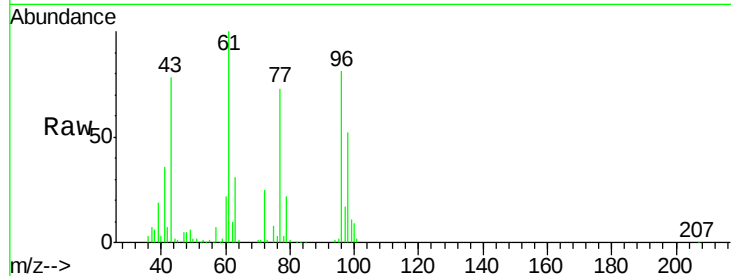
72 31.9 26.7 40.1

Manual Integrations

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8/31/2020 11:59:31 AM



#26

2,2-Dichloropropane

Concen: 94.331 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW016400.D

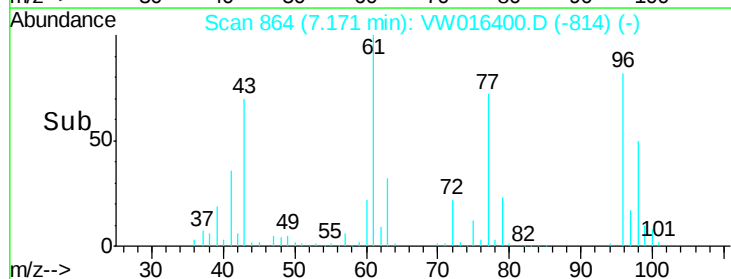
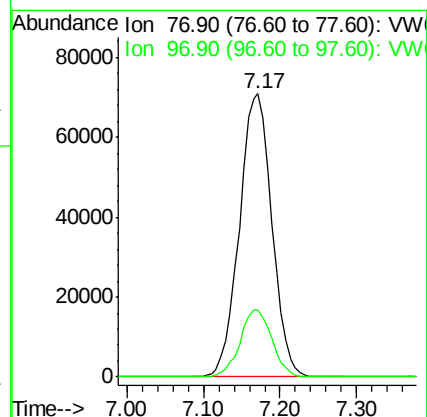
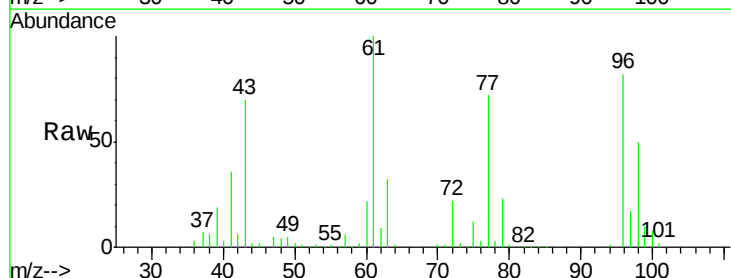
Acq: 28 Aug 2020 14:08

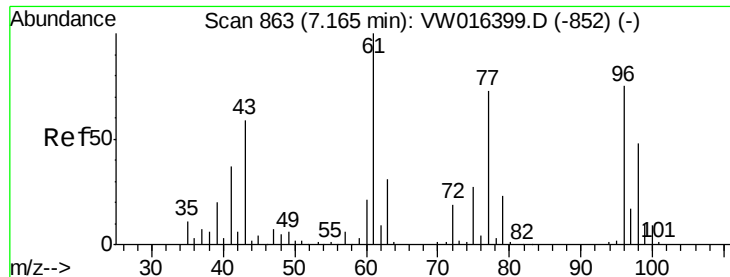
Tgt Ion: 77 Resp: 208361

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0





#27

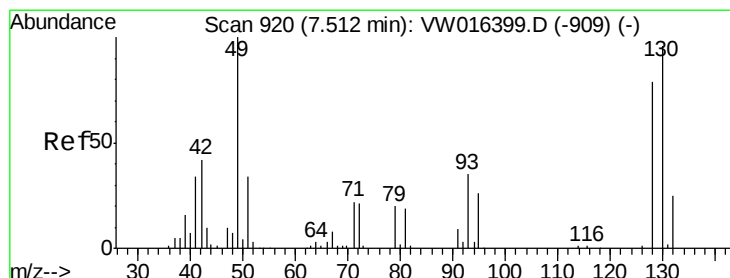
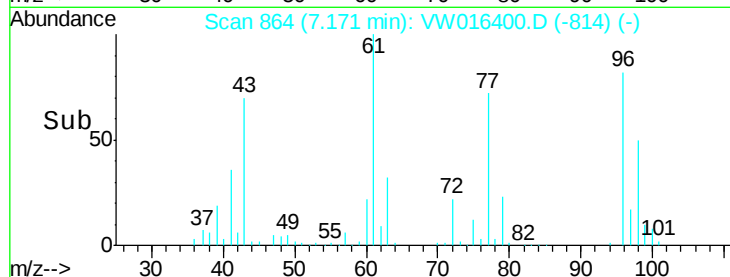
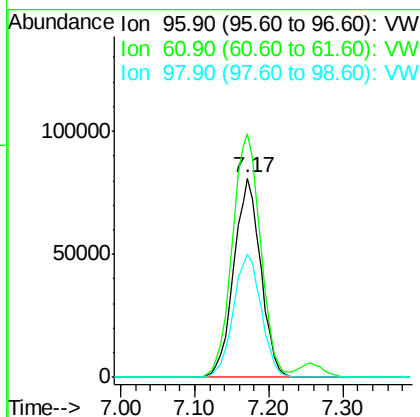
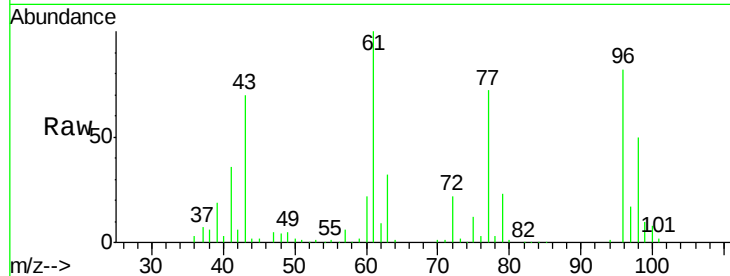
cis-1,2-Dichloroethene
Concen: 95.237 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	204645		
61	128.4		0.0	268.6
98	64.0		0.0	130.0

Manual Integrations
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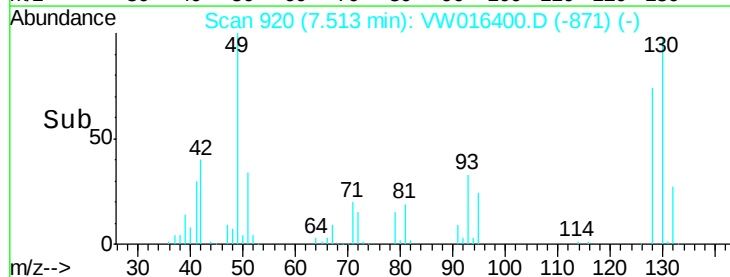
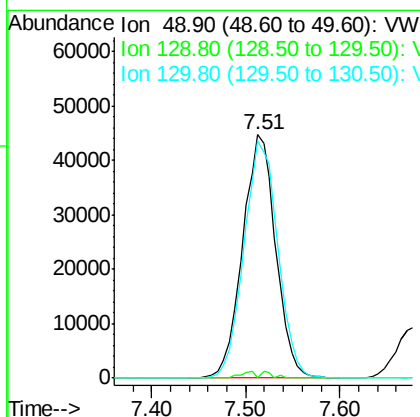
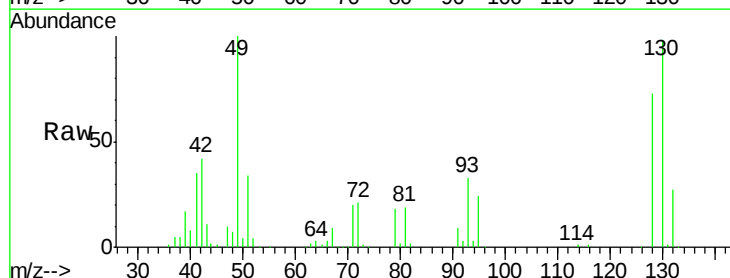
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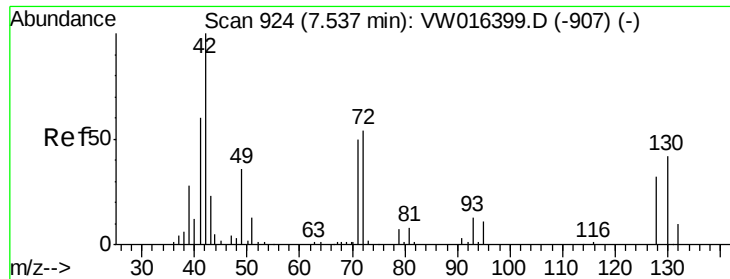


#28

Bromochloromethane
Concen: 88.184 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110253		
129	1.0		0.0	1.8
130	100.1		80.8	121.2





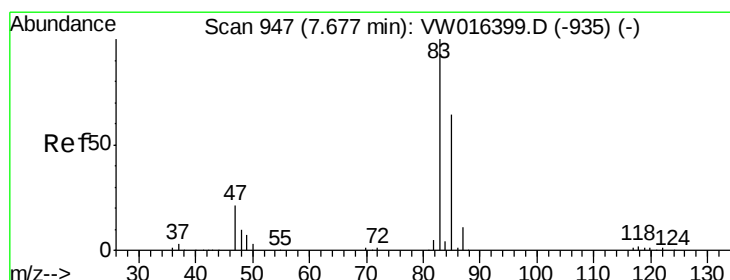
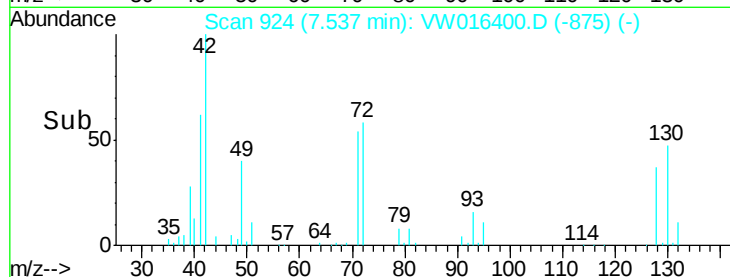
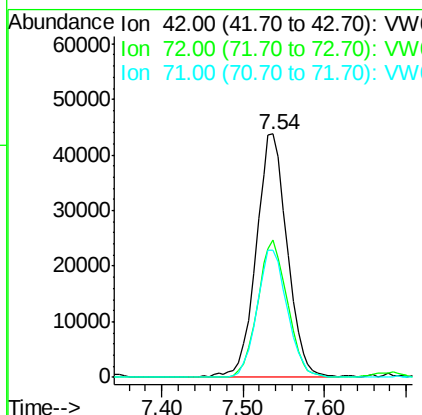
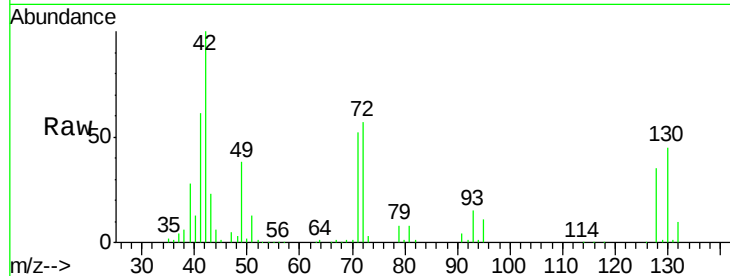
#29
Tetrahydrofuran
Concen: 453.963 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.2	42.3	63.5
71	51.2	39.5	59.3

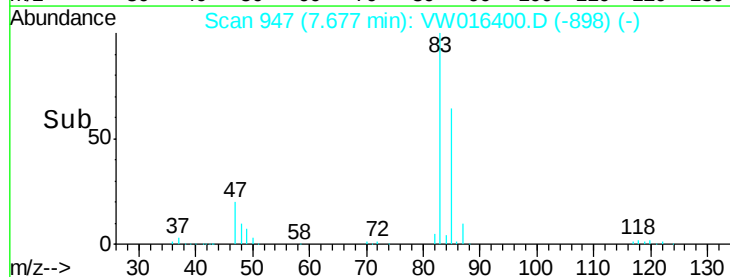
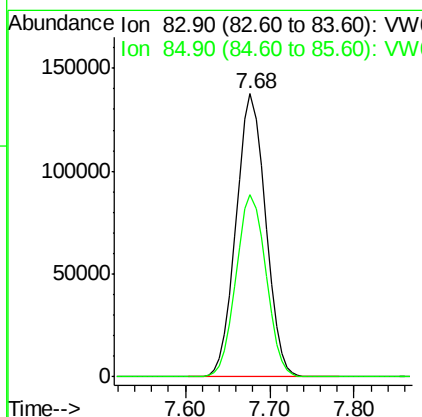
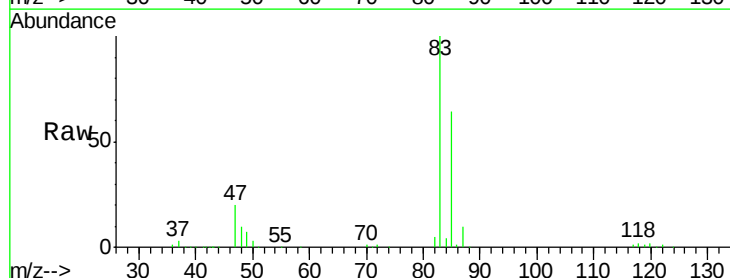
Manual Integrations
APPROVED

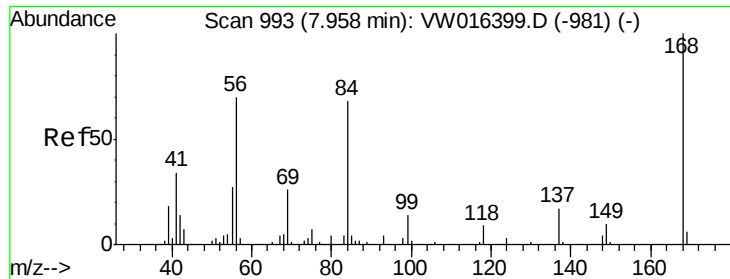
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8/31/2020 11:59:31 AM



#30
Chloroform
Concen: 92.594 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.6	77.4





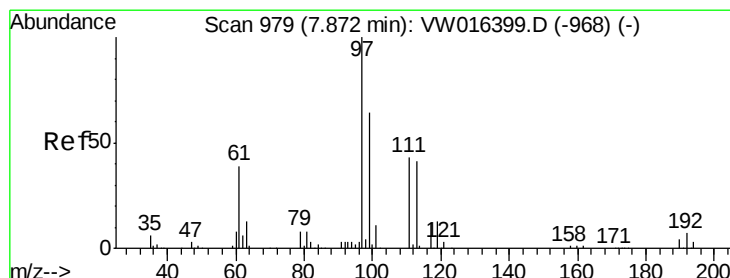
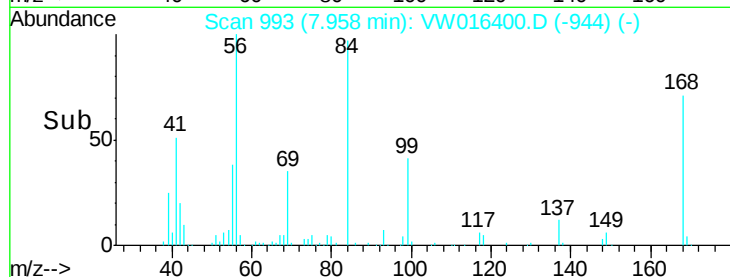
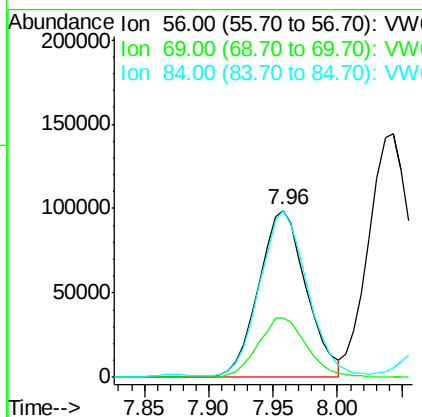
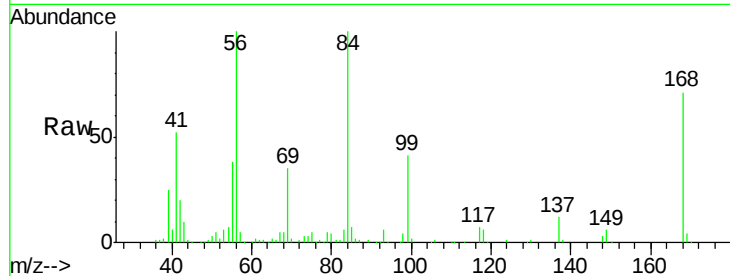
#31
Cyclohexane
Concen: 82.601 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	253109
Ion	Ratio	Lower	Upper
56	100		
69	35.3	30.0	45.0
84	98.8	77.4	116.2

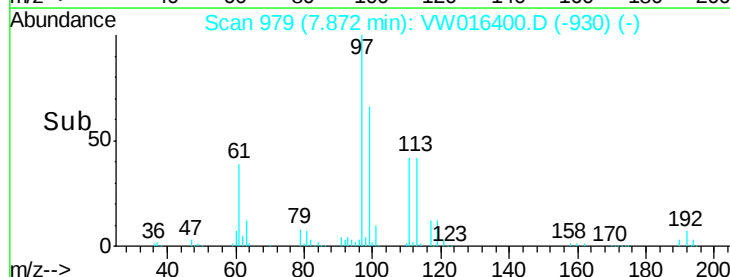
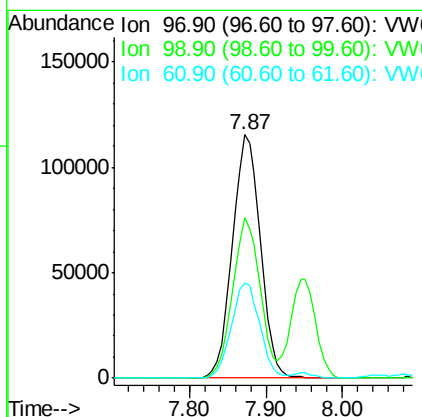
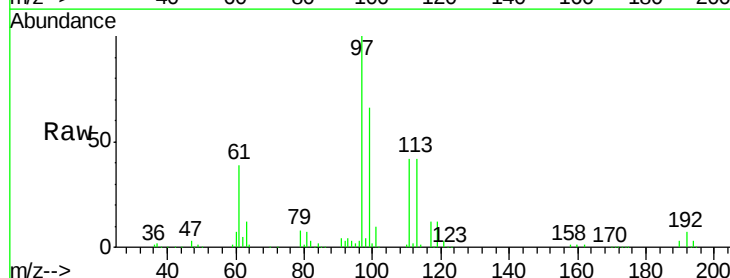
Manual Integrations
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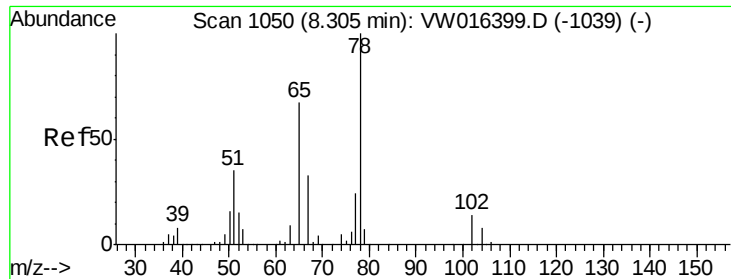
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#32
1,1,1-Trichloroethane
Concen: 98.016 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	97	Resp	292247
Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	39.6	31.0	46.6





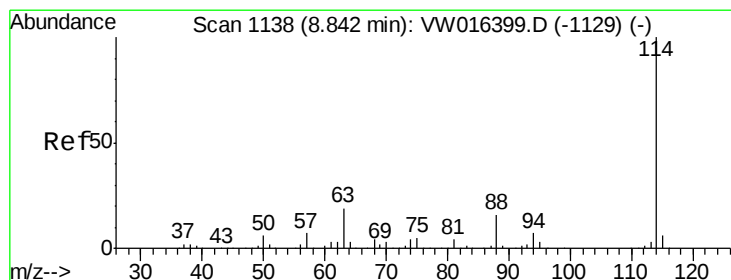
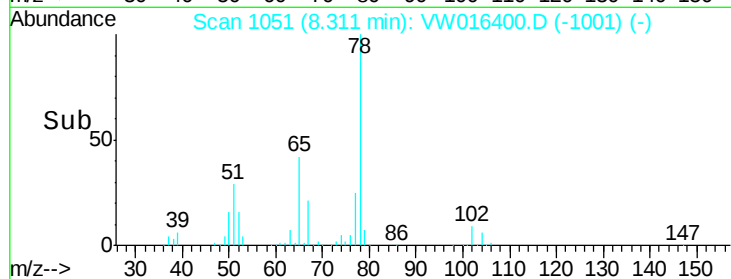
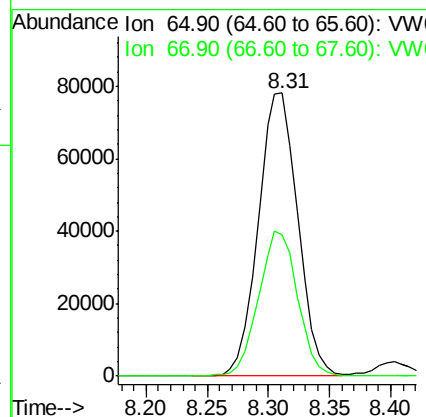
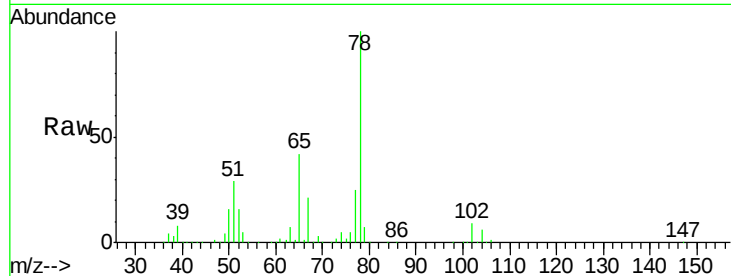
#33
 1,2-Dichloroethane-d4
 Concen: 102.825 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175342		
67	50.5	0.0	100.2	

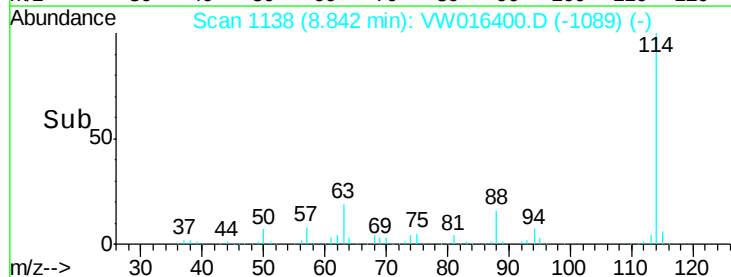
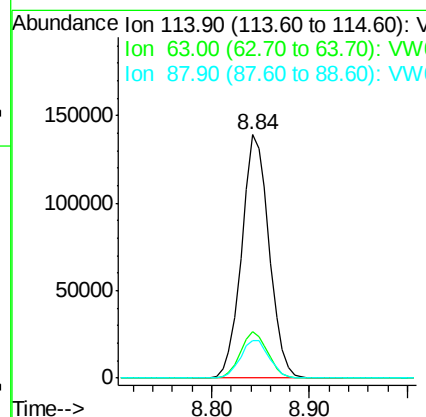
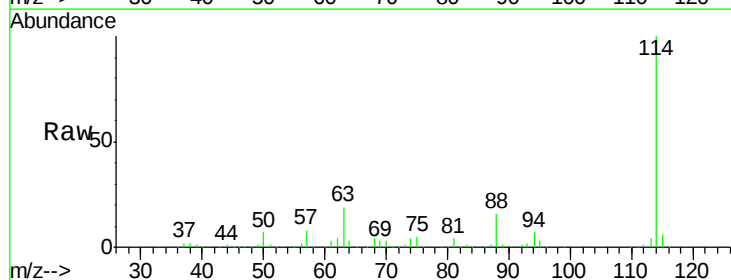
Manual Integrations
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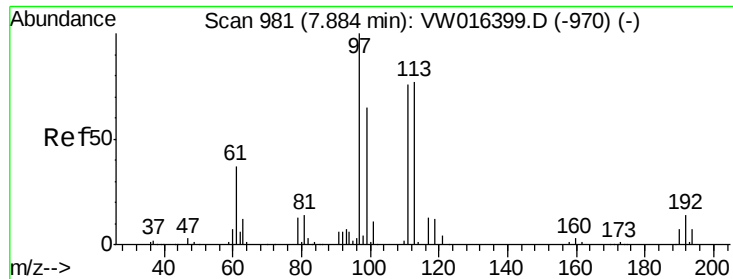
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 8/31/2020 11:59:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270101		
63	18.9	0.0	37.8	
88	15.6	0.0	31.2	





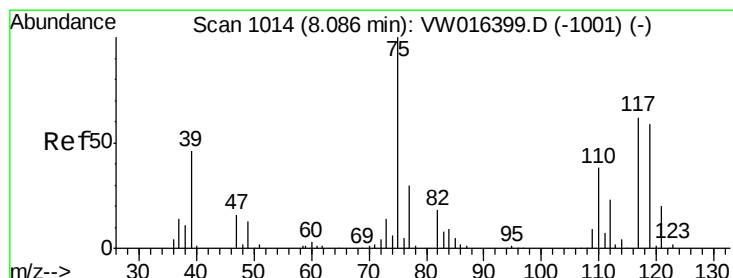
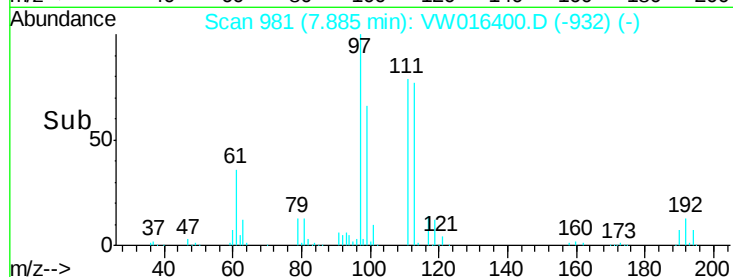
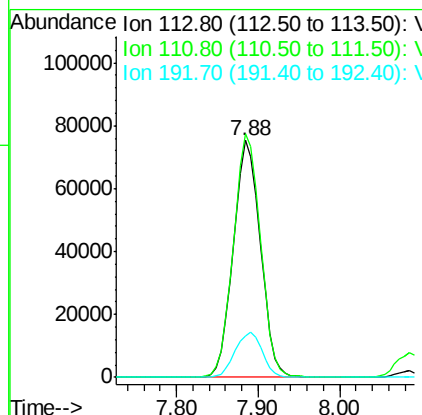
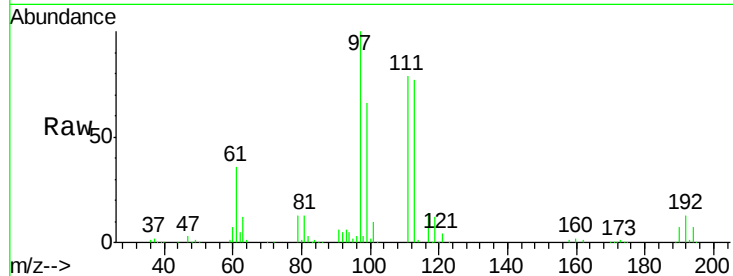
#35
 Dibromofluoromethane
 Concen: 103.759 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171968		
111	103.0	82.1	123.1	
192	19.2	15.5	23.3	

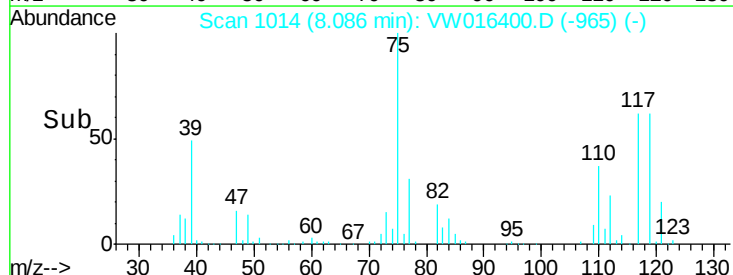
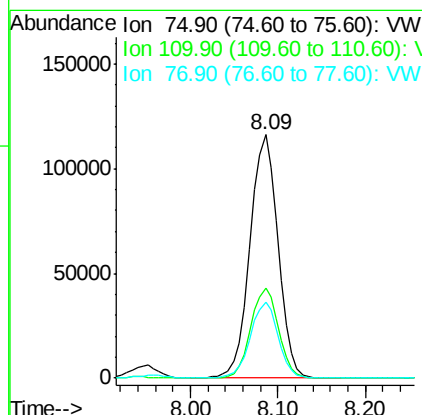
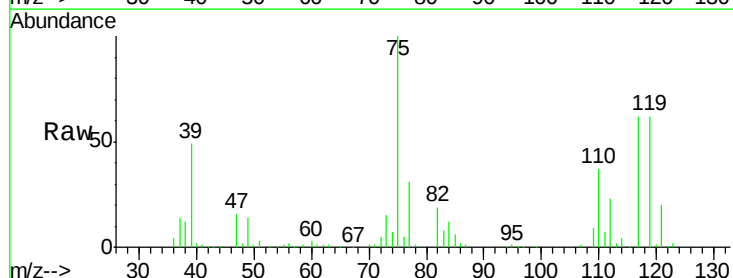
Manual Integrations
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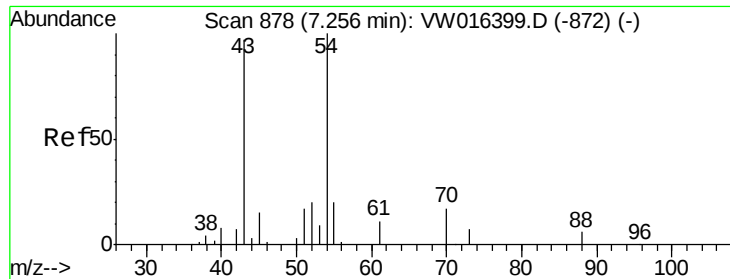
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#36
 1,1-Dichloropropene
 Concen: 97.198 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	258662		
110	36.5	18.6	56.0	
77	30.9	25.1	37.7	





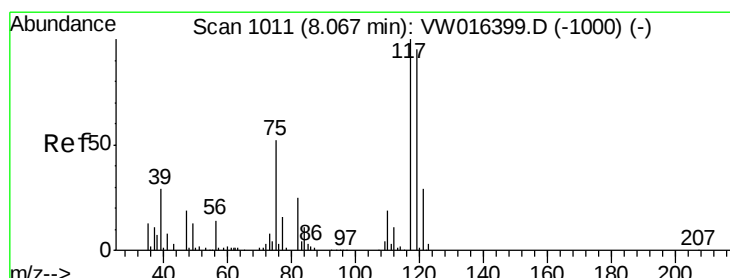
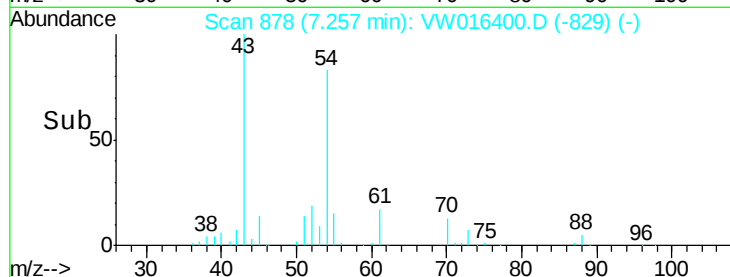
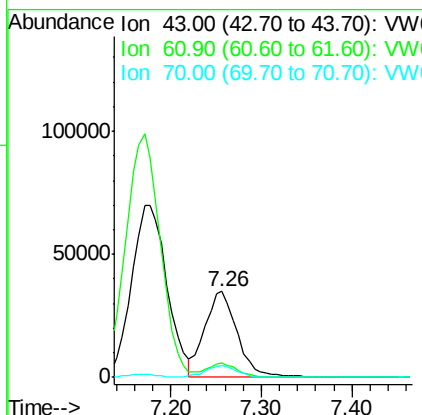
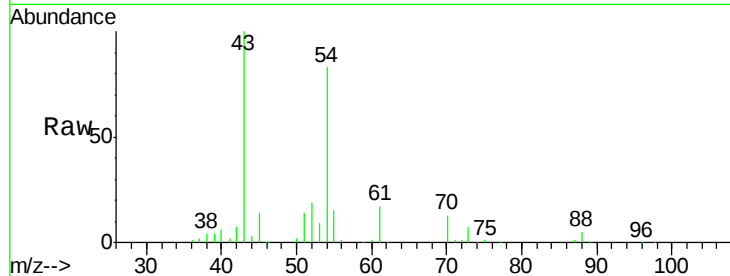
#37
Ethyl Acetate
Concen: 96.939 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	87381
Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.5	17.3
70	13.4	10.7	16.1

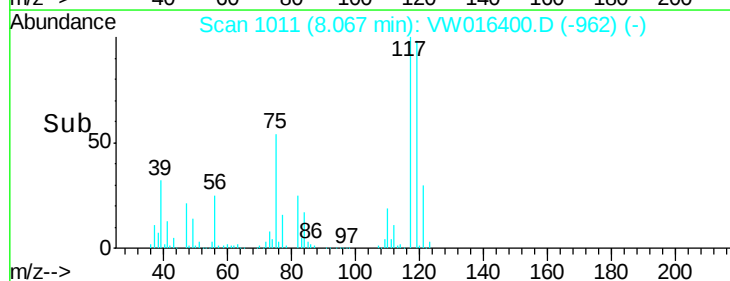
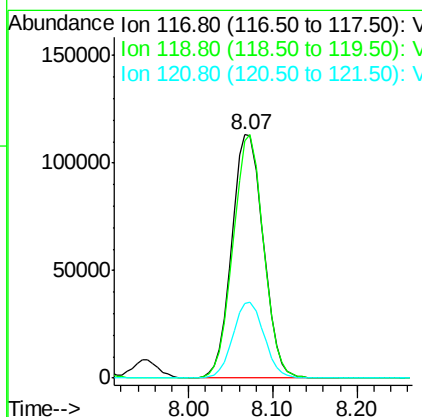
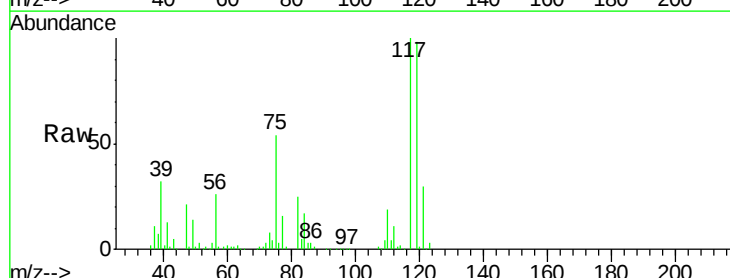
Manual Integrations
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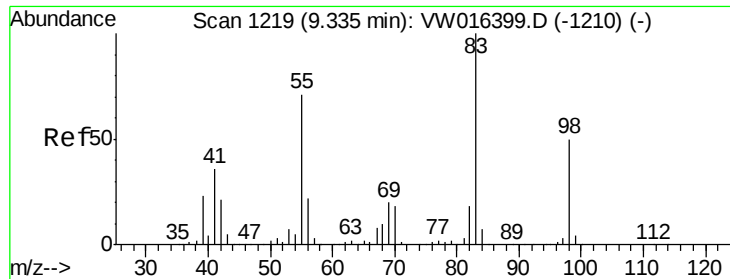
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#38
Carbon Tetrachloride
Concen: 106.189 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion:	117	Resp:	286843
Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.3	114.5
121	30.4	23.0	34.6





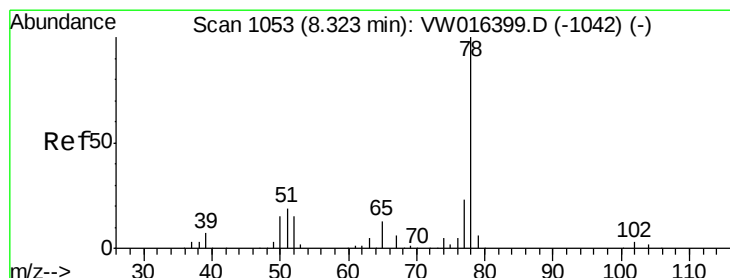
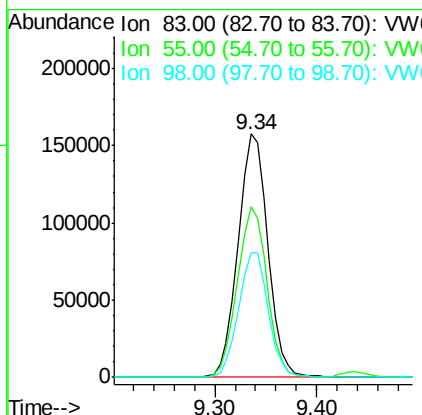
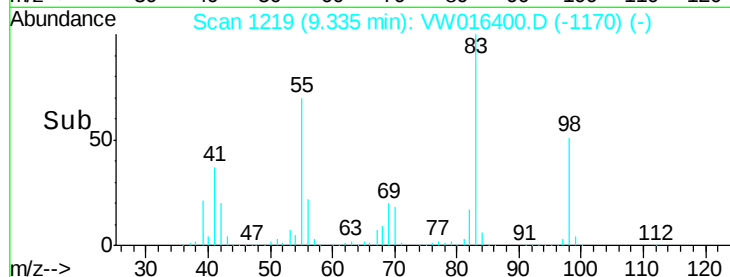
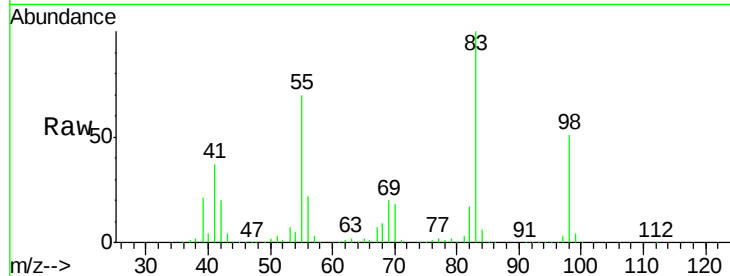
#39
Methvlcvclohexane
Concen: 100.103 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	320125		
55	70.2		57.0	85.6
98	51.4		39.9	59.9

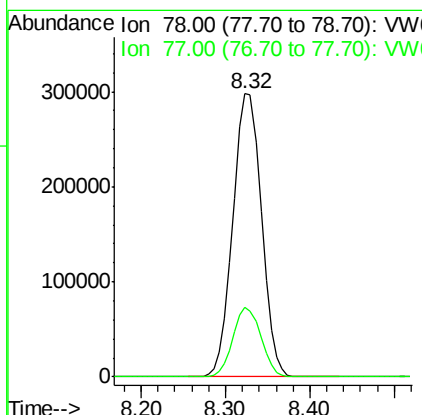
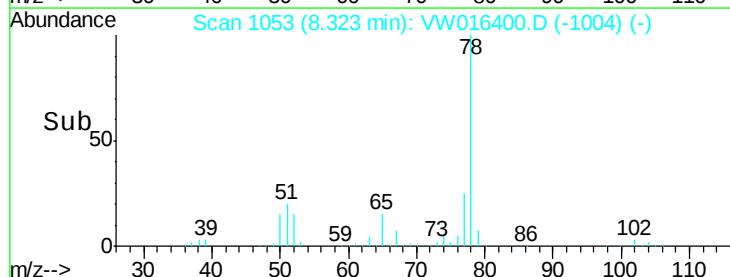
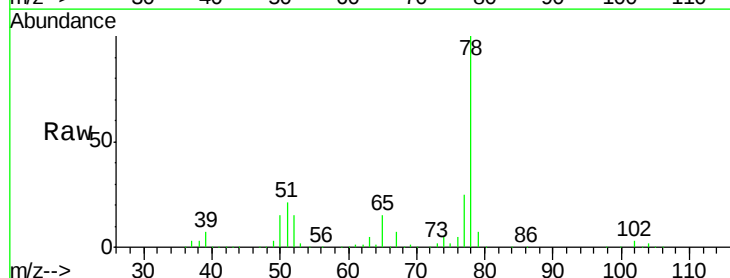
Manual Integrations
APPROVED

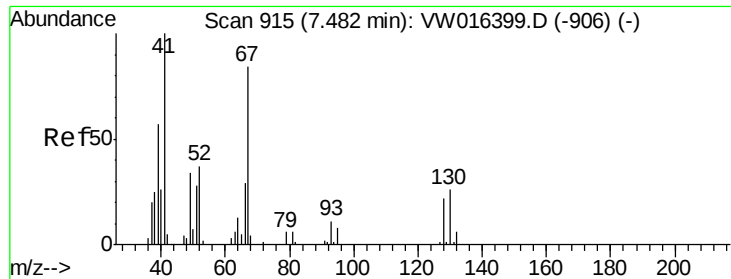
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#40
Benzene
Concen: 91.989 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	684422		
77	24.8		18.6	27.8





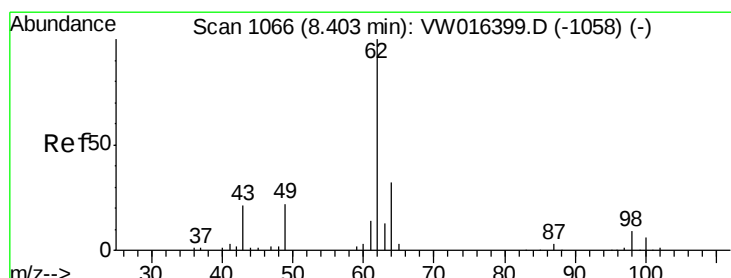
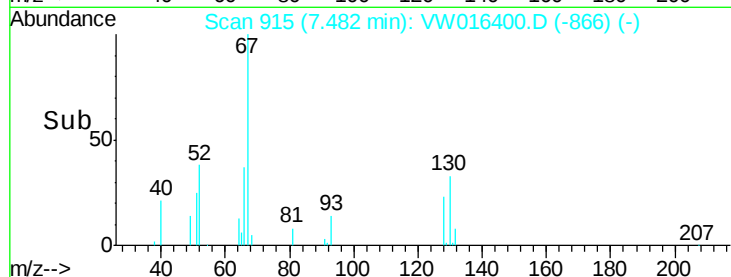
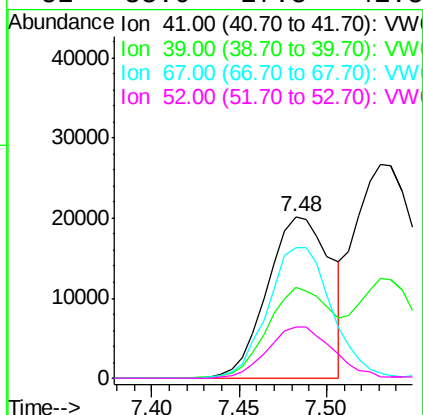
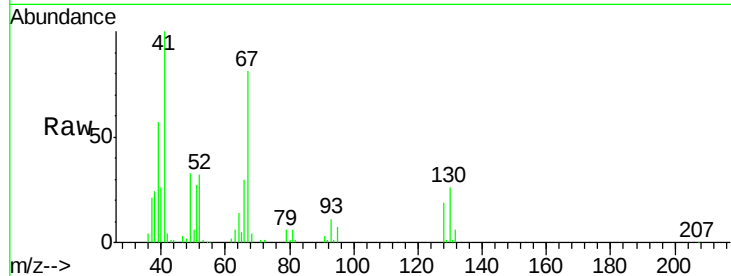
#41
Methacrylonitrile
Concen: 100.348 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	51444
Ion	Ratio	Lower	Upper
41	100		
39	55.6	45.4	68.2
67	81.8	65.8	98.6
52	33.0	27.8	41.8

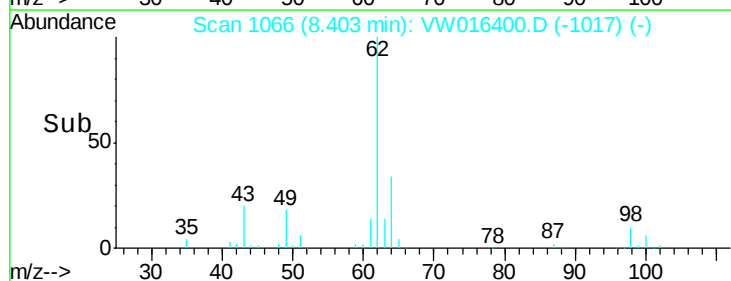
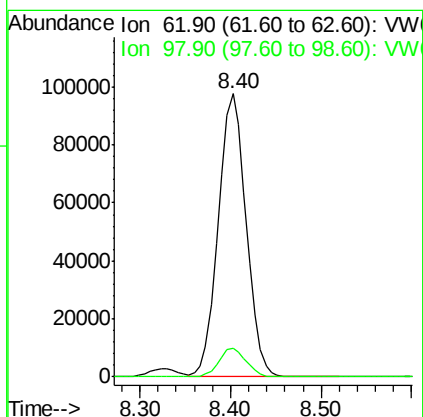
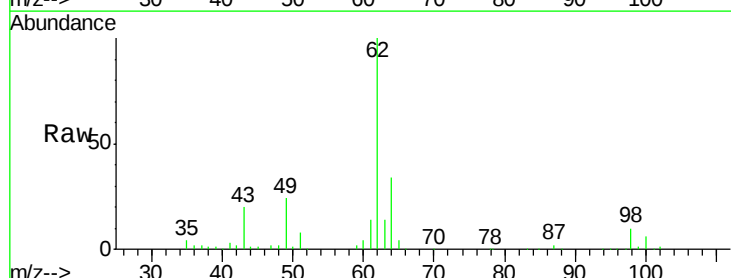
Manual Integrations
APPROVED

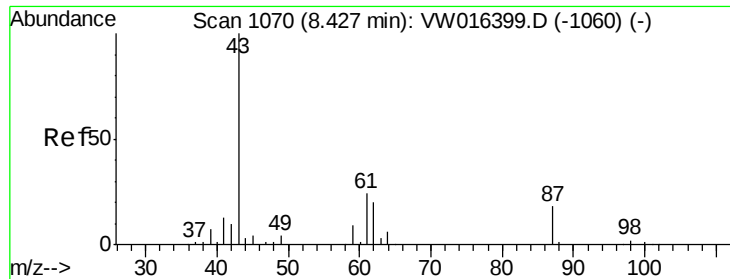
MMDadoda
8/31/2020 11:59:31 AM



#42
1,2-Dichloroethane
Concen: 104.384 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	62	Resp	209125
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 102.748 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

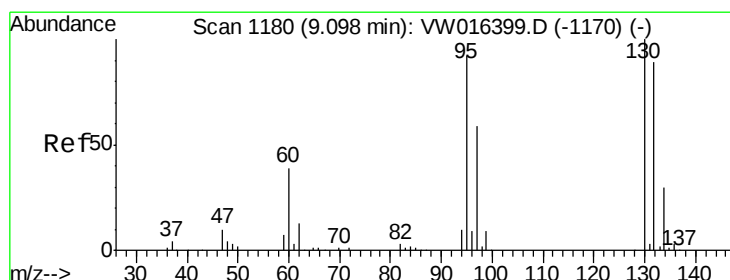
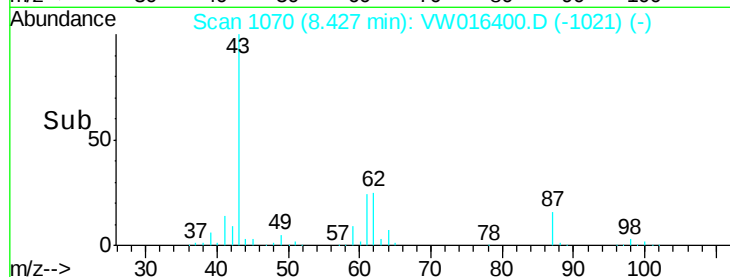
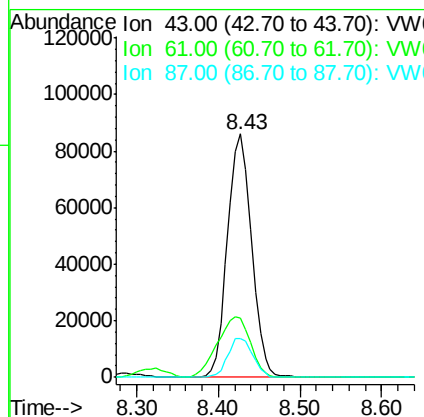
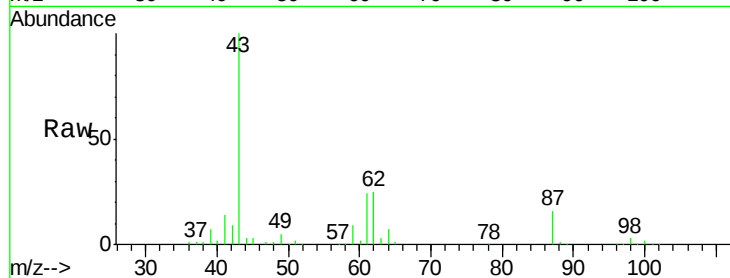
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	175642
Ion	Ratio	Lower	Upper
43	100		
61	33.9	27.5	41.3
87	16.6	13.5	20.3

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#44

Trichloroethene

Concen: 97.764 ug/l

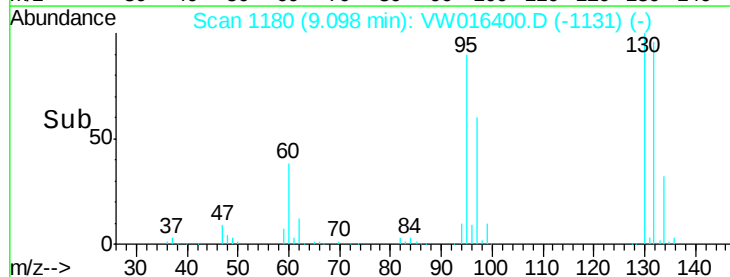
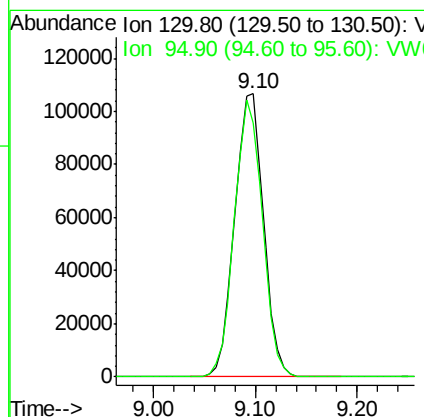
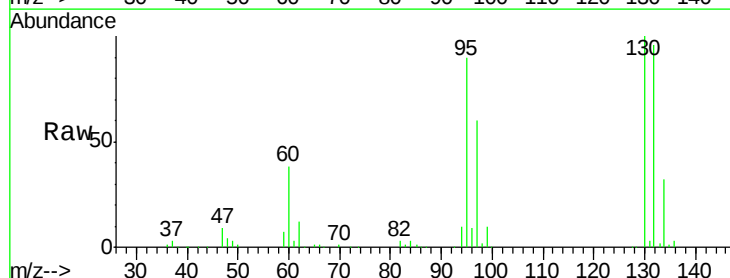
RT: 9.10 min Scan# 1180

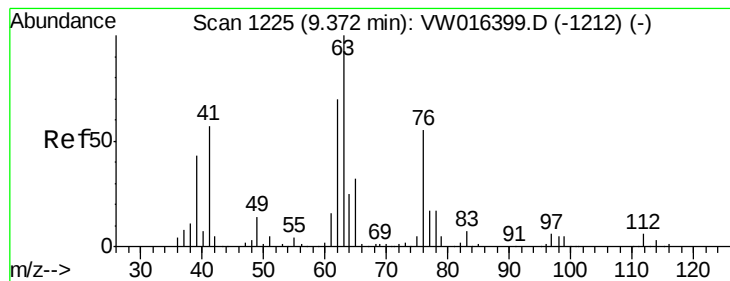
Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Tgt Ion:	130	Resp:	208345
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	183.4





#45

1,2-Dichloropropane

Concen: 90.830 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 158325

Ion Ratio Lower Upper

63 100

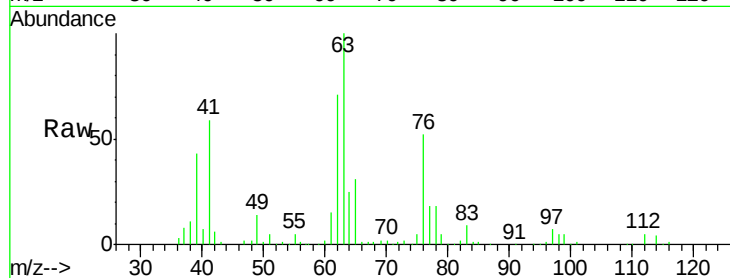
65 30.5 25.4 38.0

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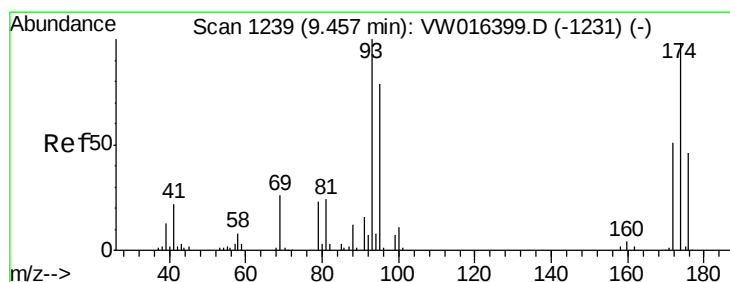
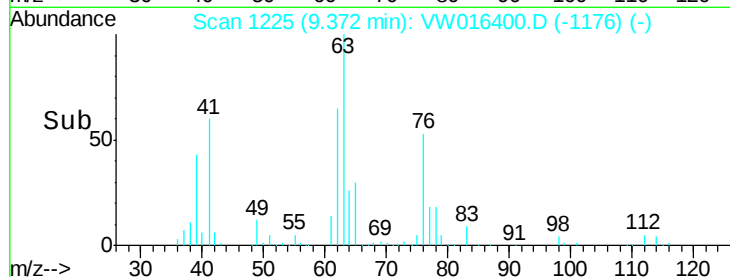
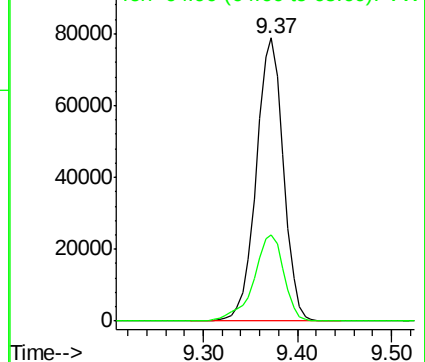
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 101.427 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

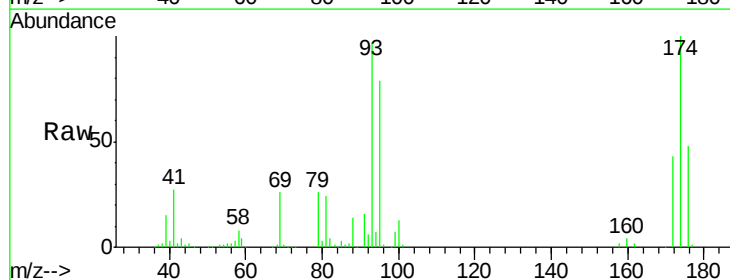
Tgt Ion: 93 Resp: 94419

Ion Ratio Lower Upper

93 100

95 83.3 65.3 97.9

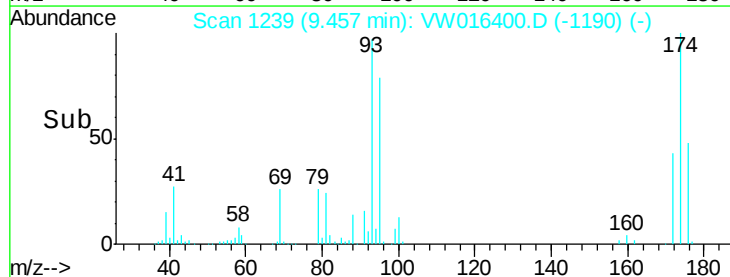
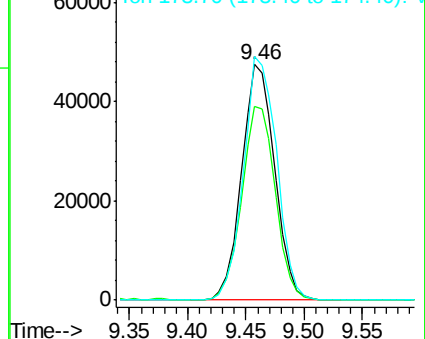
174 103.7 80.1 120.1

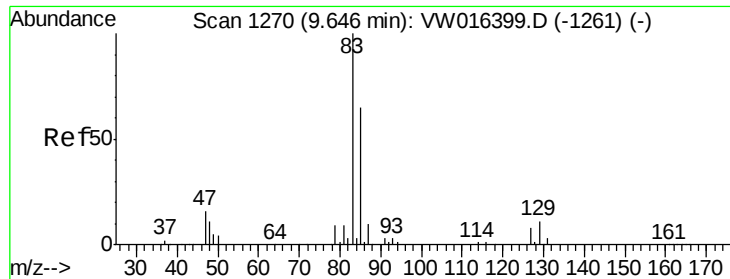


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 102.505 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

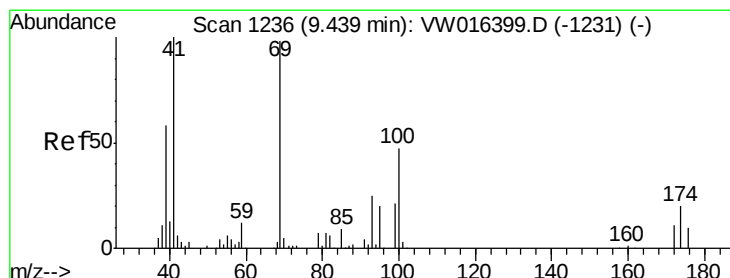
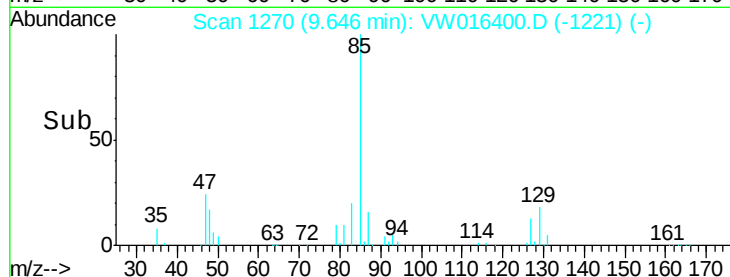
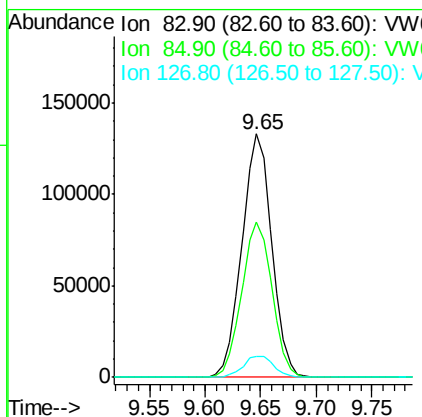
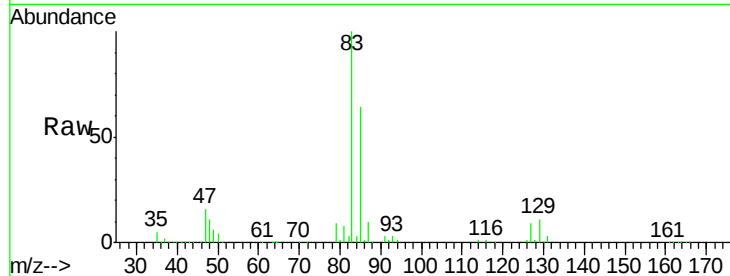
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	247805
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.2	78.2
127	8.5	6.8	10.2

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#48

Methyl methacrylate

Concen: 105.292 ug/l

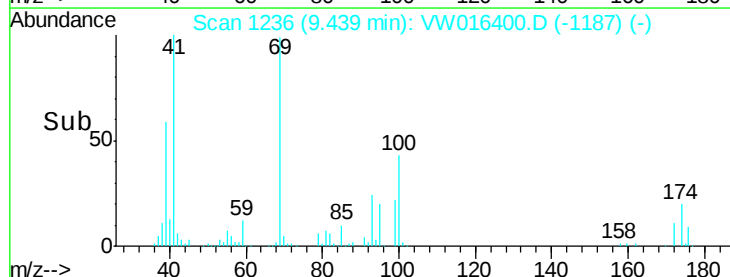
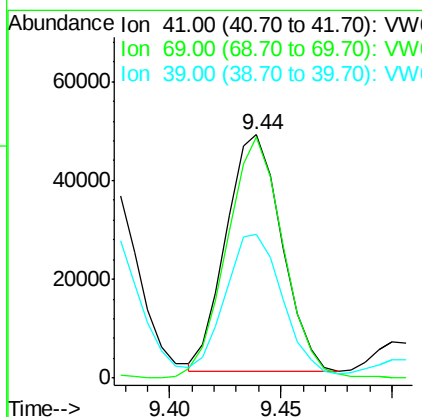
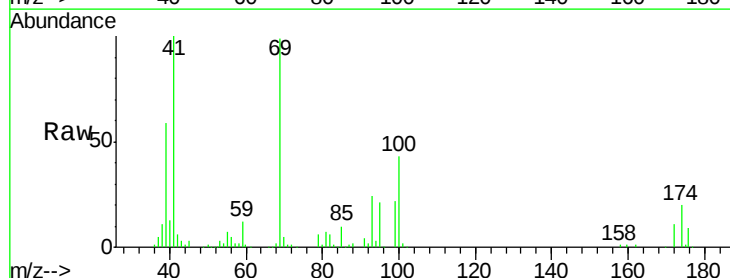
RT: 9.44 min Scan# 1236

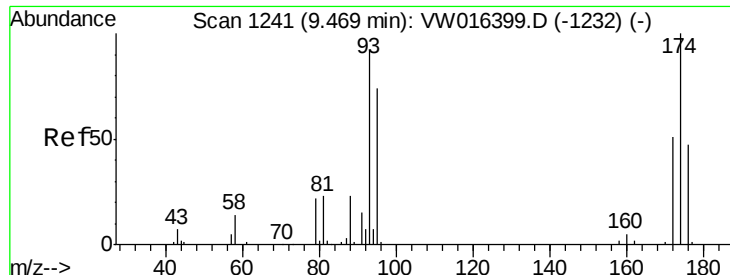
Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Tgt Ion:	41	Resp:	83447
Ion Ratio	Lower	Upper	
41	100		
69	103.7	83.5	125.3
39	59.8	48.7	73.1





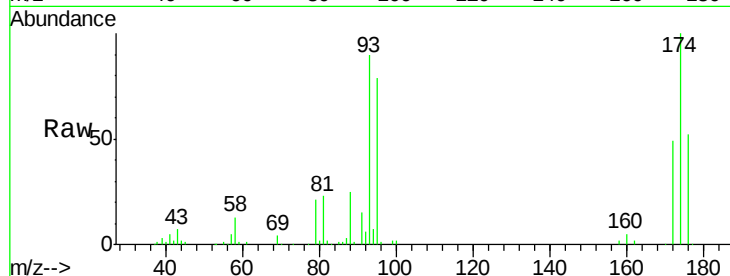
#49
1,4-Dioxane
Concen: 2280.351 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

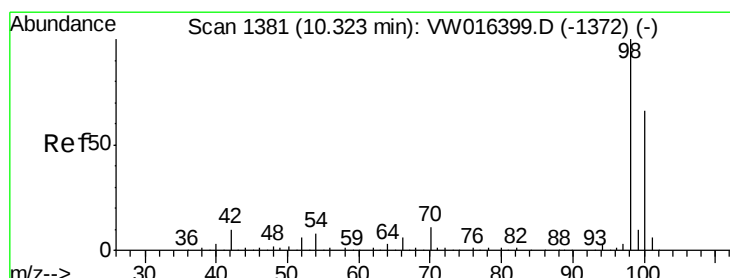
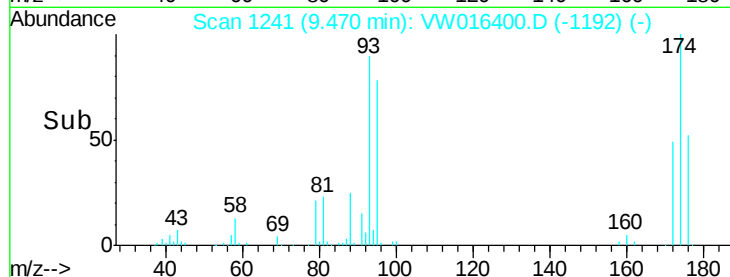
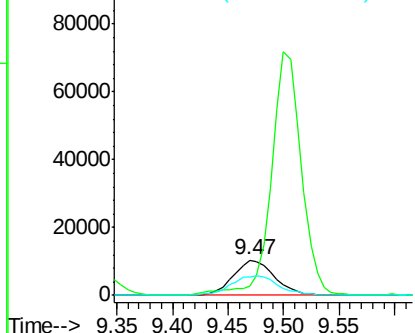
Tot Ion	Ratio	Resp	Lower	Upper
88	100	26599		
43	0.0	0.0	0.0	0.0
58	63.8	53.5	80.3	

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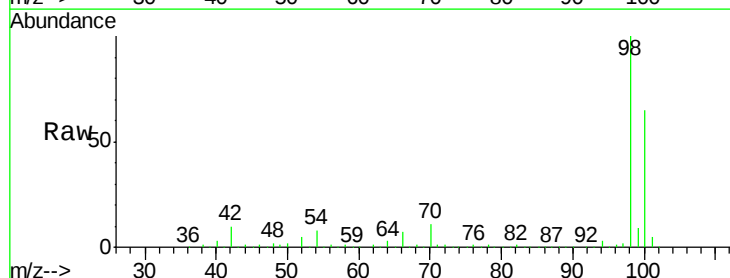


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

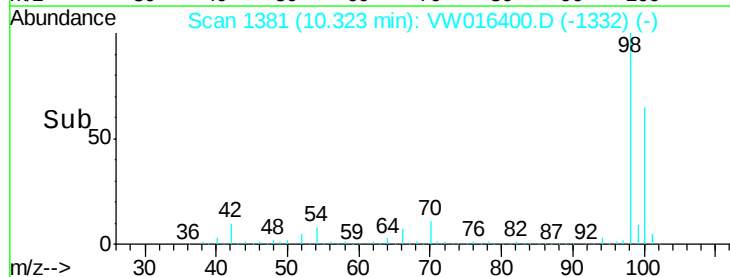
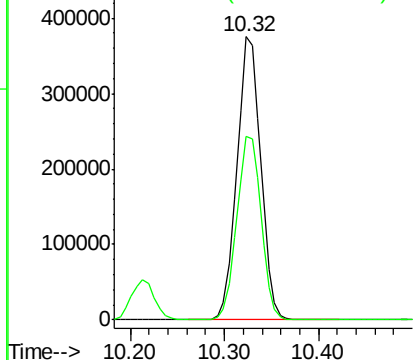


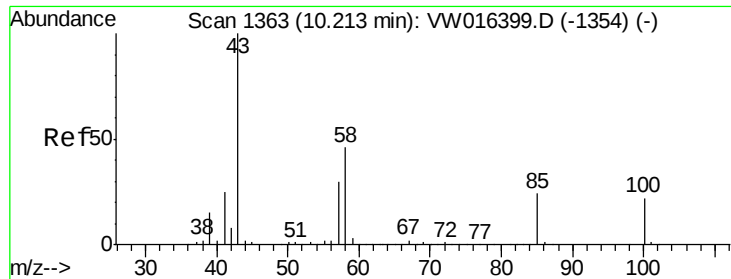
#50
Toluene-d8
Concen: 103.319 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	659497		
100	66.5	52.6	78.8	



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: 499.384 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 428752

Ion Ratio Lower Upper

43 100

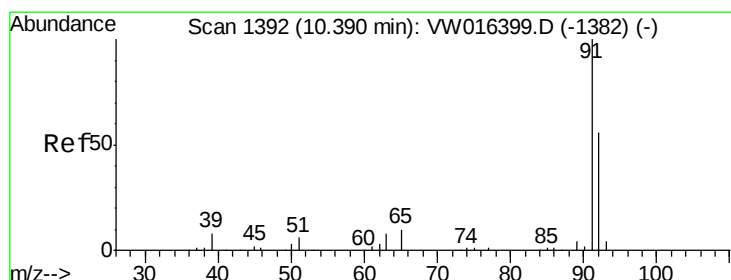
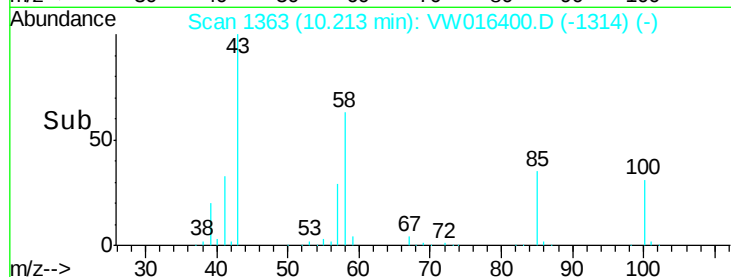
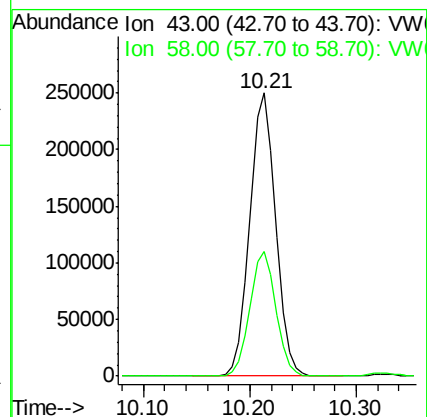
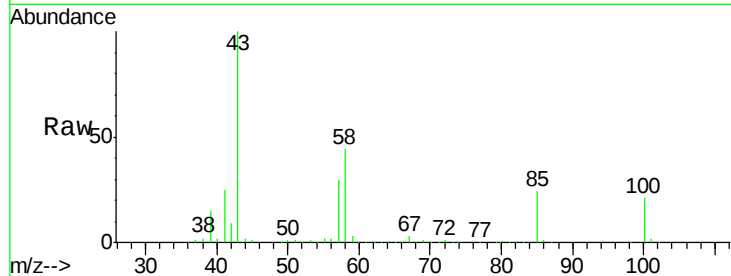
58 44.0 35.4 53.0

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#52

Toluene

Concen: 98.731 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016400.D

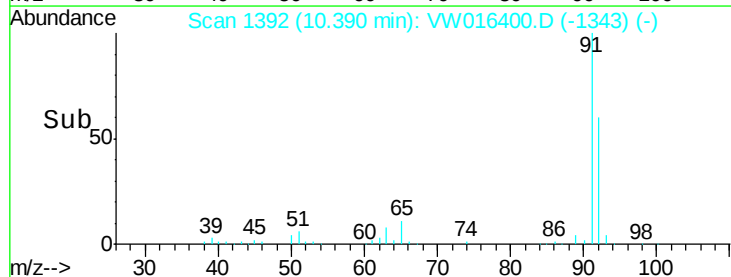
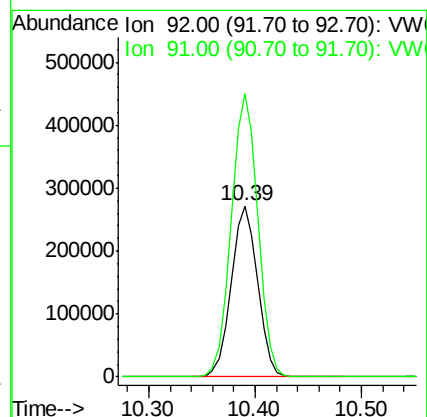
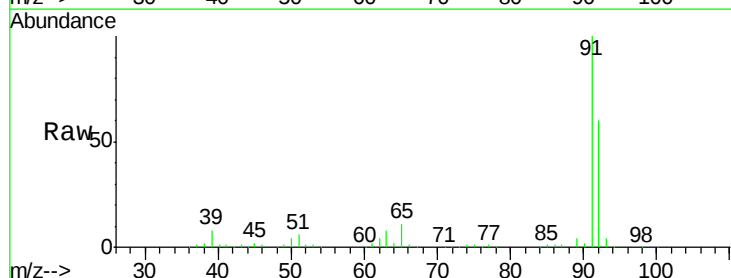
Acq: 28 Aug 2020 14:08

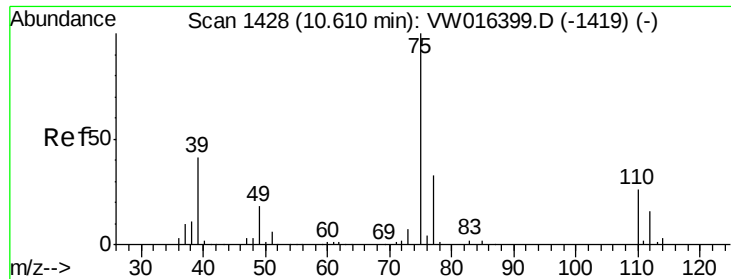
Tgt Ion: 92 Resp: 471518

Ion Ratio Lower Upper

92 100

91 166.8 137.1 205.7





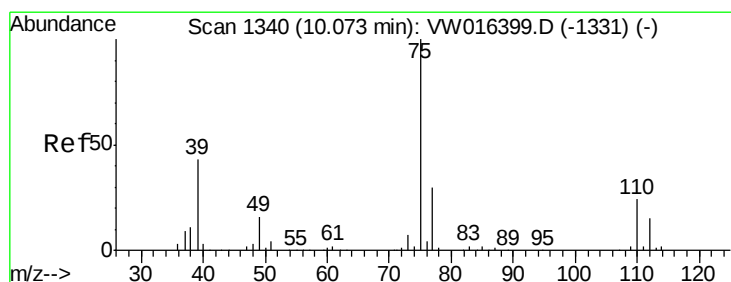
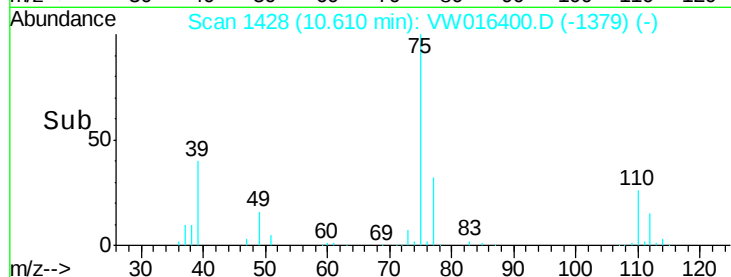
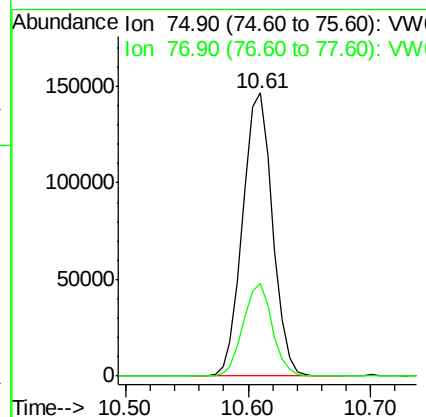
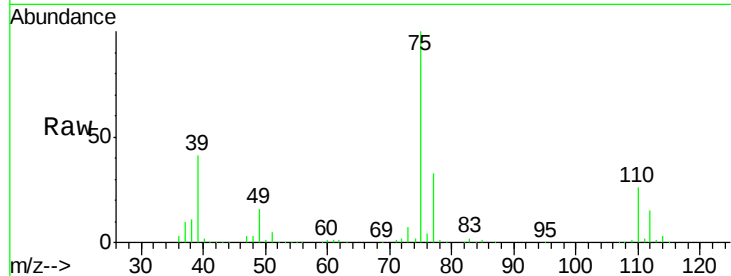
#53
t-1,3-Dichloropropene
Concen: 110.582 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 248292
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1

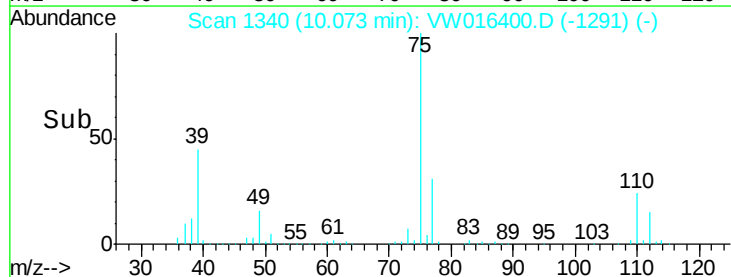
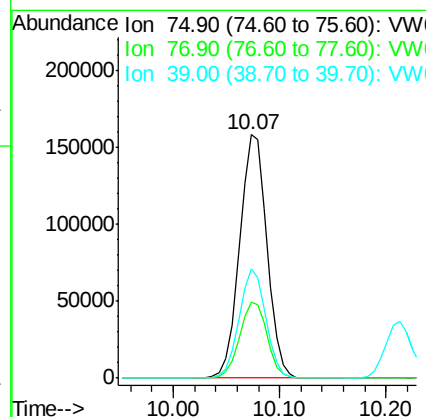
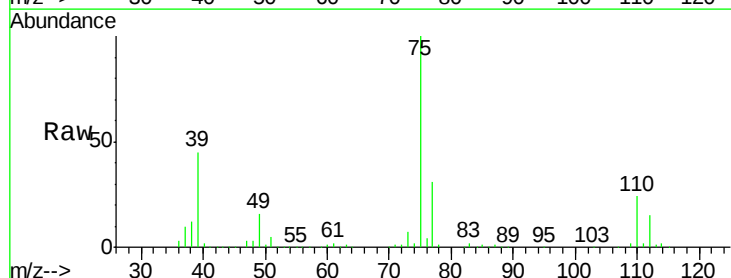
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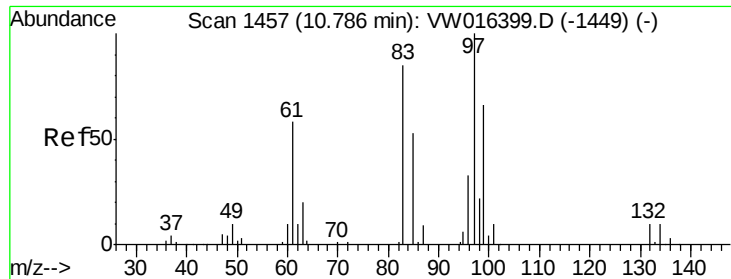
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#54
cis-1,3-Dichloropropene
Concen: 103.638 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion: 75 Resp: 285854
Ion Ratio Lower Upper
75 100
77 31.3 24.4 36.6
39 44.7 34.6 51.8





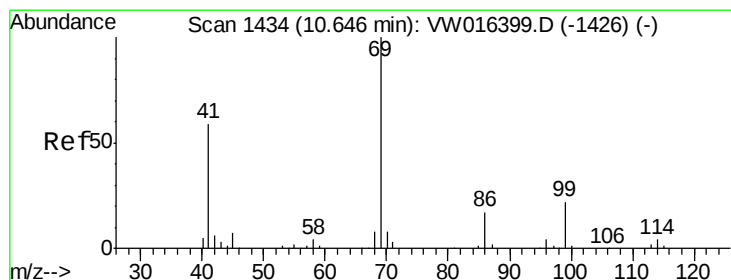
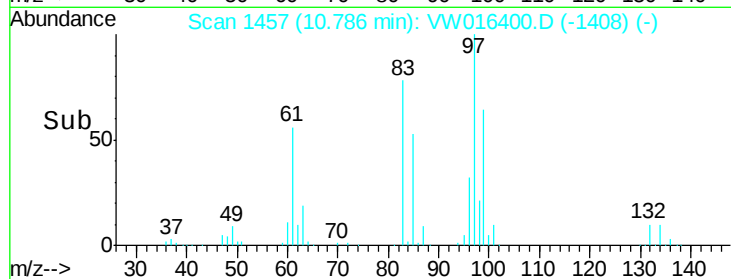
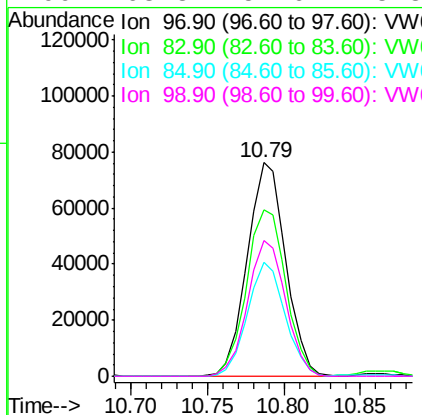
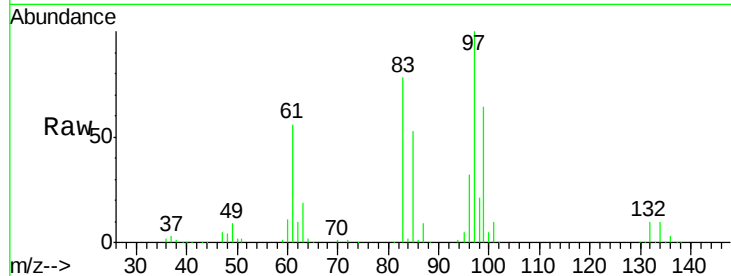
#55
1,1,2-Trichloroethane
Concen: 99.501 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	97	Resp:	133129
Ion Ratio	Lower	Upper	
97	100		
83	77.9	68.0	102.0
85	53.4	42.2	63.2
99	63.8	52.6	78.8

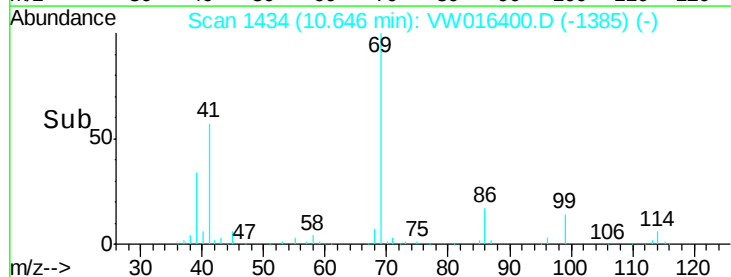
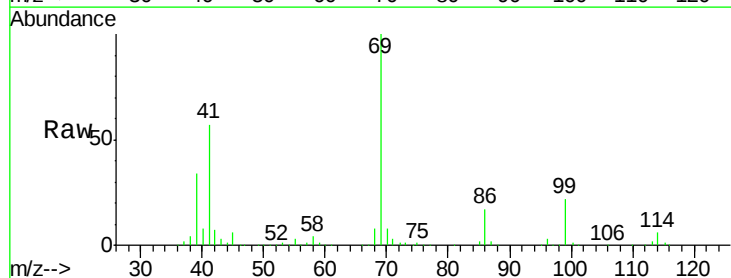
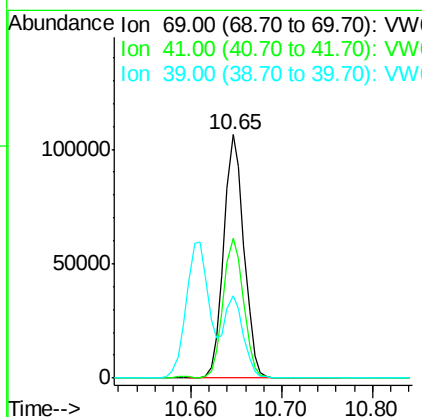
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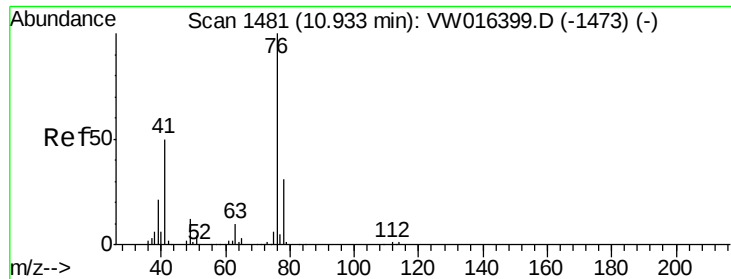
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#56
Ethyl methacrylate
Concen: 109.582 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion:	69	Resp:	165834
Ion Ratio	Lower	Upper	
69	100		
41	57.8	46.5	69.7
39	32.4	26.2	39.2





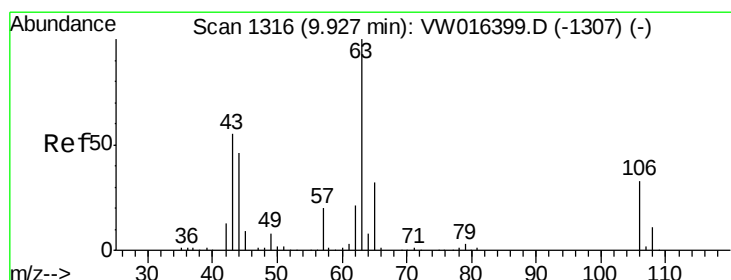
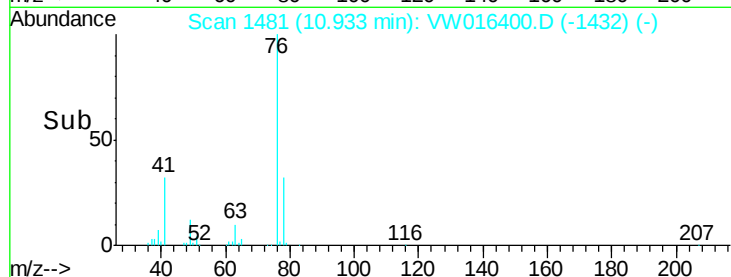
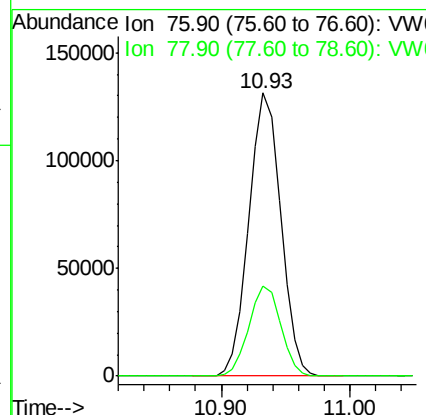
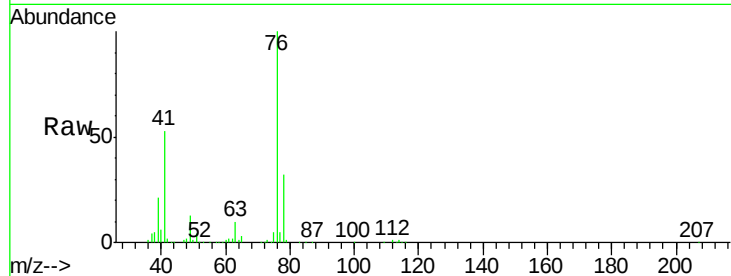
#57
 1,3-Dichloropropane
 Concen: 99.534 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 225195
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

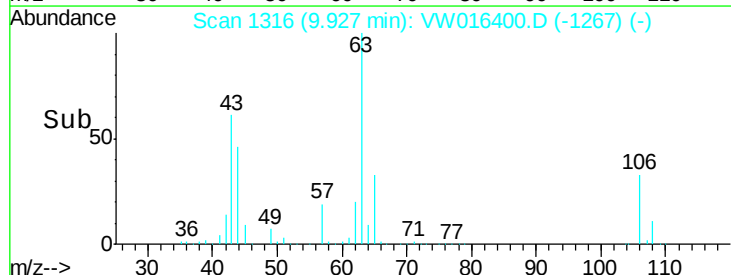
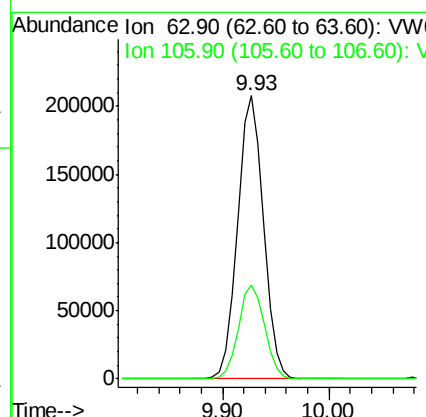
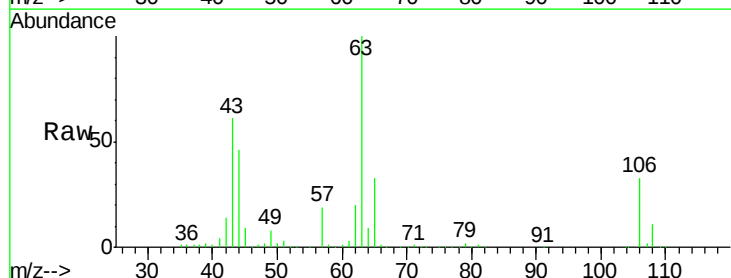
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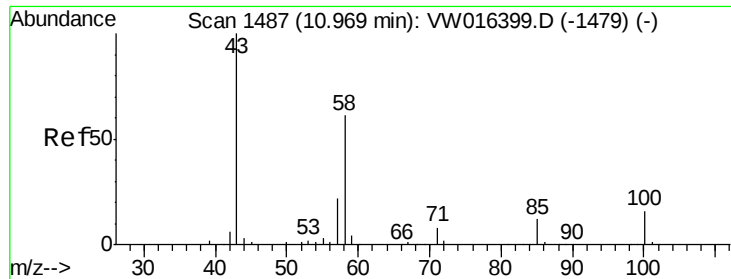
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#58
 2-Chloroethyl Vinyl ether
 Concen: 512.935 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Tgt Ion: 63 Resp: 354060
 Ion Ratio Lower Upper
 63 100
 106 33.4 26.6 40.0





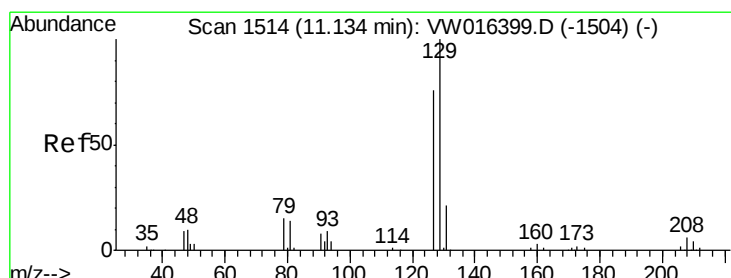
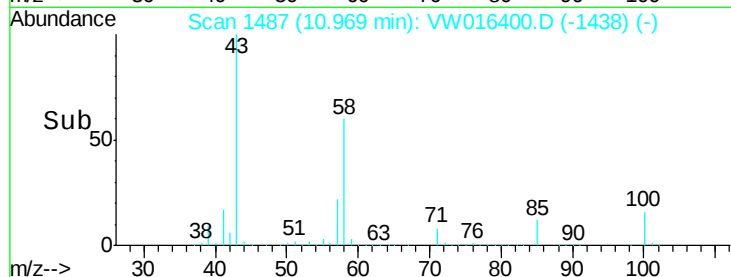
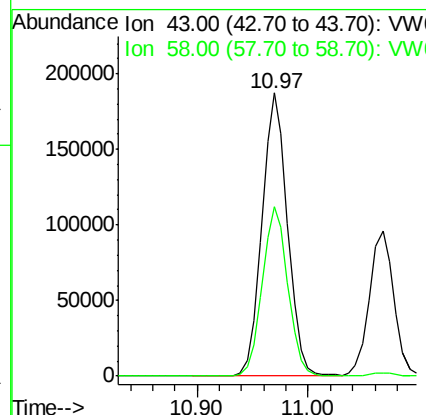
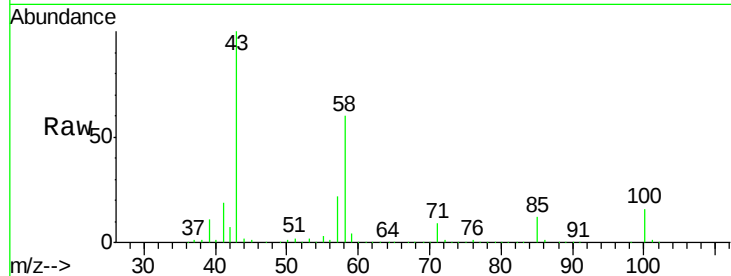
#59
2-Hexanone
Concen: 512.325 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 299794
Ion Ratio Lower Upper
43 100
58 59.9 29.7 89.1

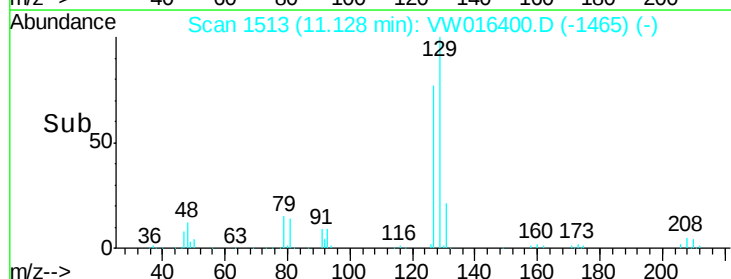
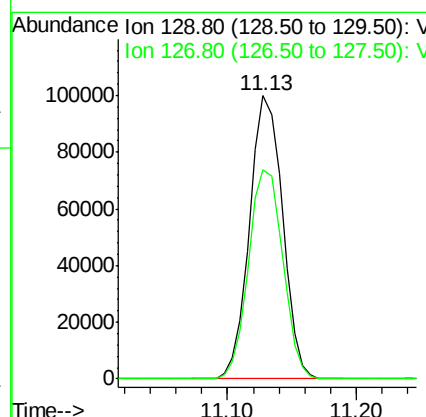
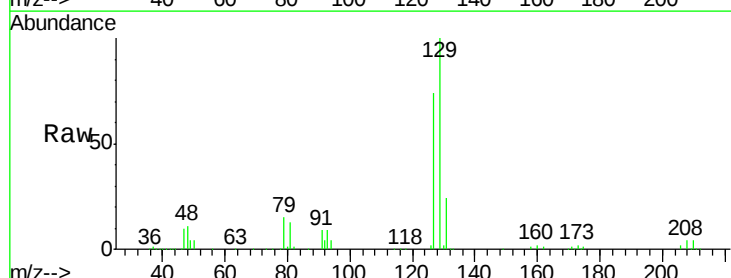
Manual Integrations
APPROVED

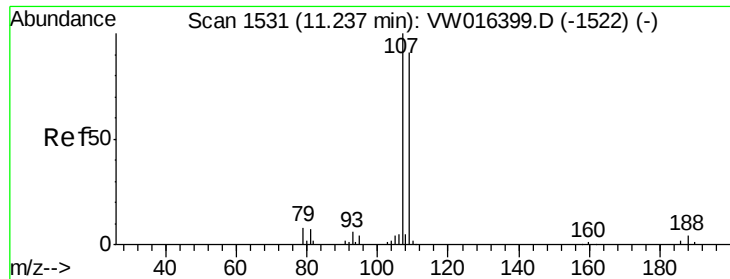
MMDadoda
8/31/2020 11:59:31 AM



#60
Dibromochloromethane
Concen: 109.691 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion: 129 Resp: 176707
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.7





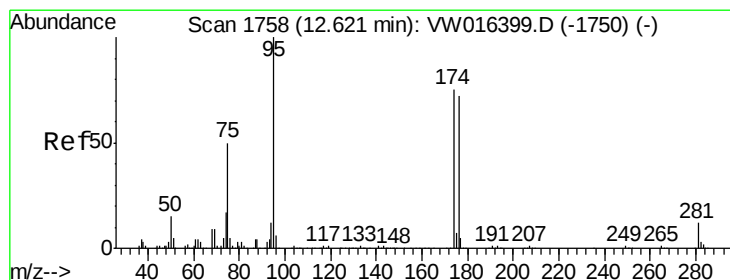
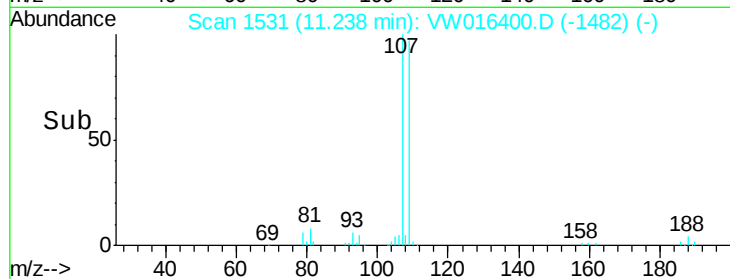
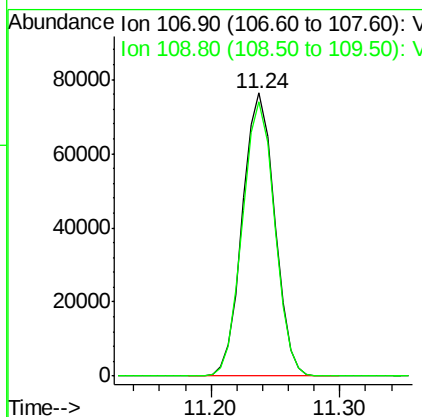
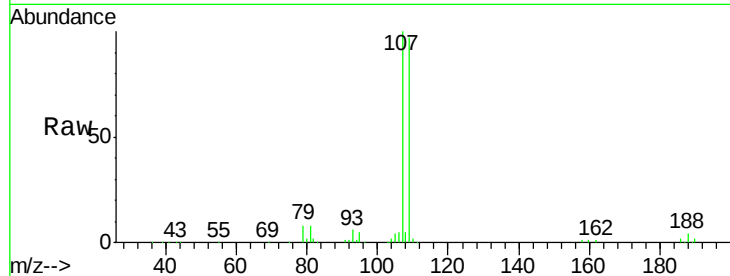
#61
 1,2-Dibromoethane
 Concen: 102.422 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	131985		
109	97.0	74.5	111.7	

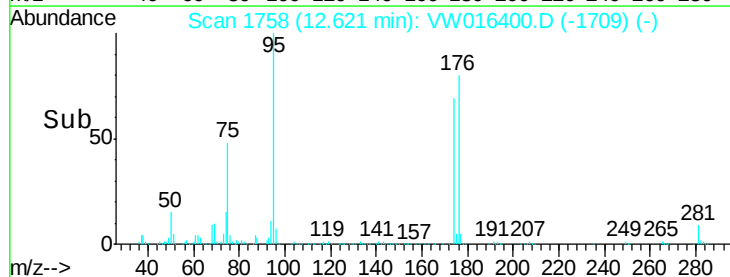
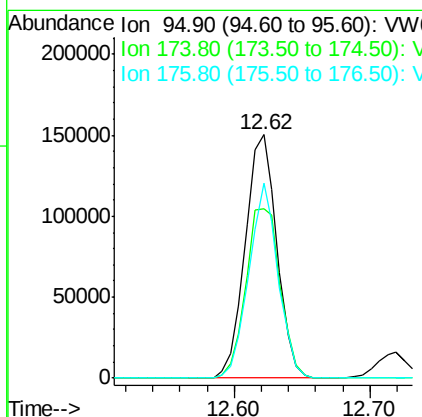
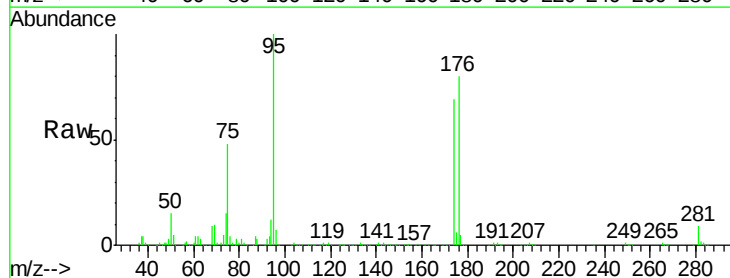
Manual Integrations
 APPROVED

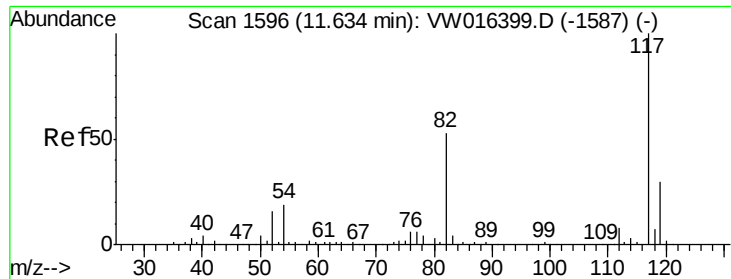
MMDadoda
 8/31/2020 11:59:31 AM



#62
 4-Bromofluorobenzene
 Concen: 106.419 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	244196		
174	76.2	0.0	152.0	
176	74.2	0.0	145.6	





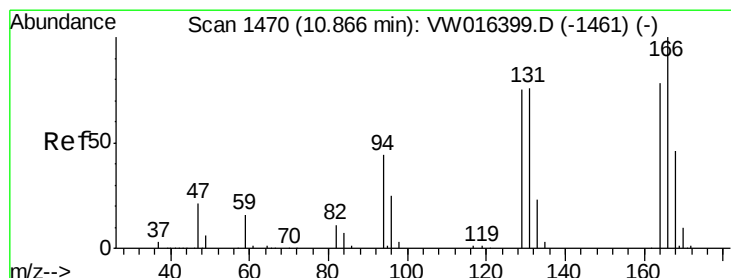
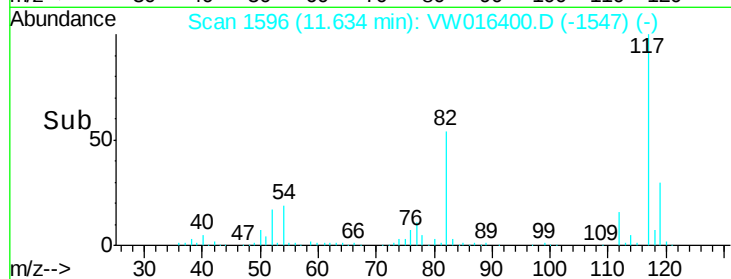
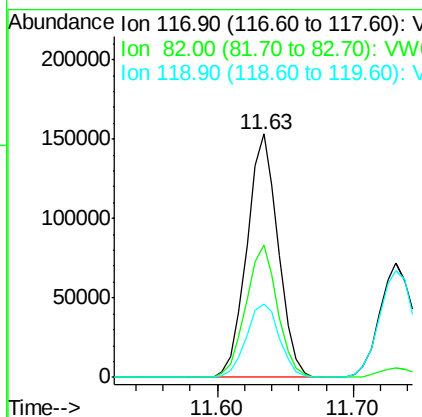
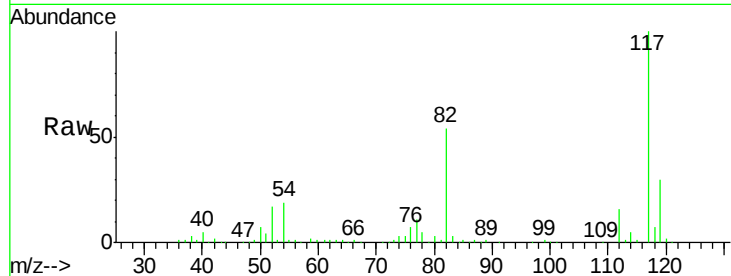
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	30.3	24.2	36.4

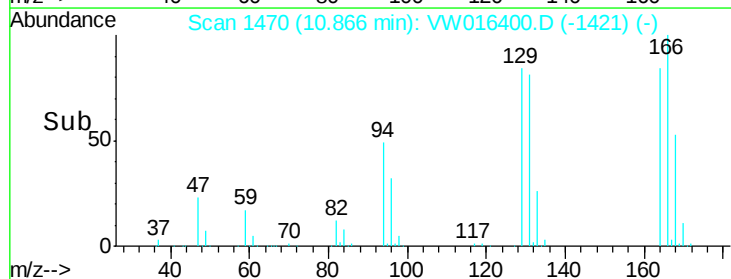
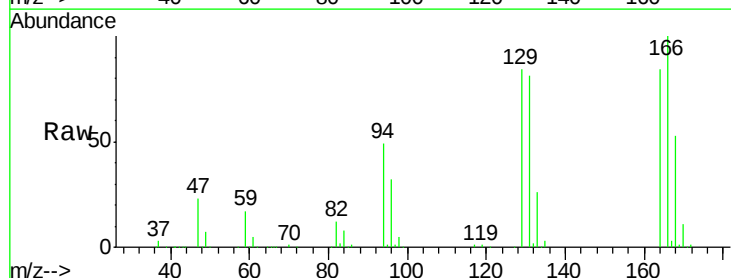
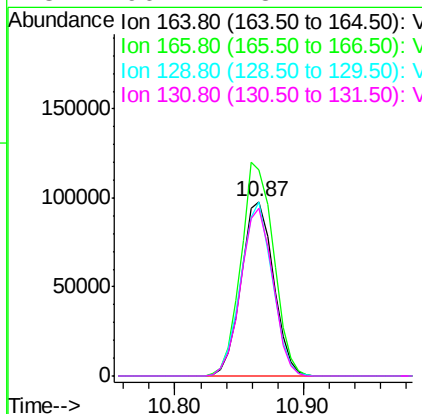
Manual Integrations
APPROVED

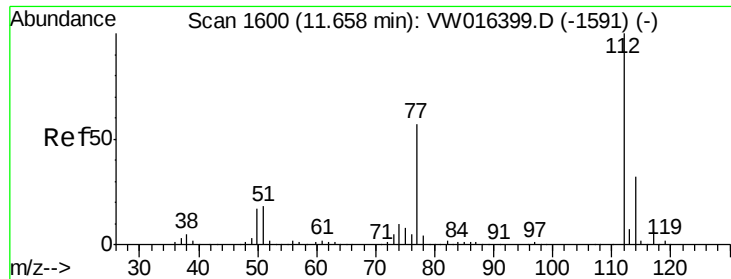
MMDadoda
8/31/2020 11:59:31 AM



#64
Tetrachloroethene
Concen: 102.872 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.7	103.1	154.7
129	99.9	77.3	115.9
131	96.2	78.2	117.2





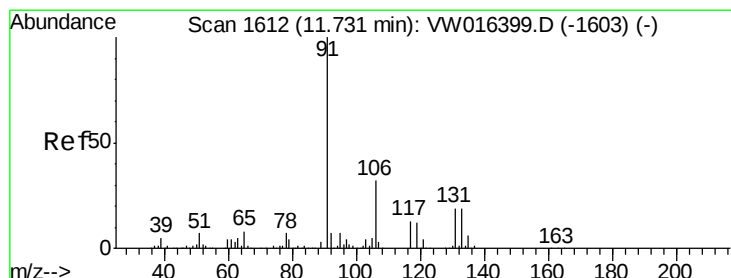
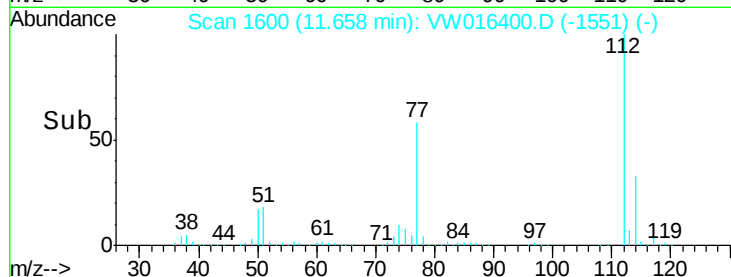
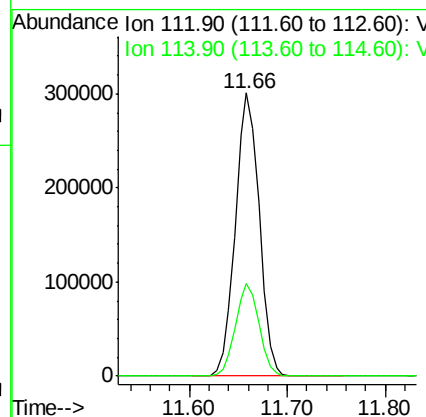
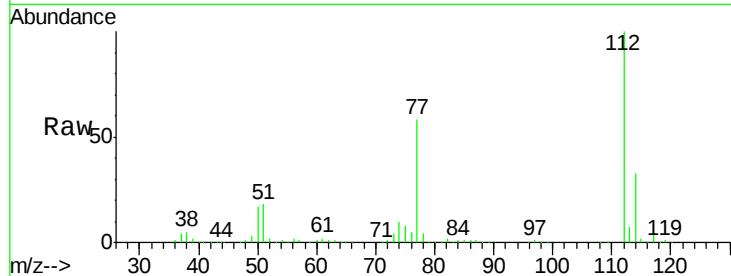
#65
Chlorobenzene
Concen: 99.461 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 507799
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2

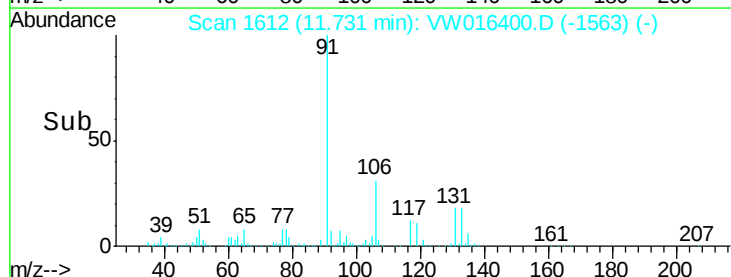
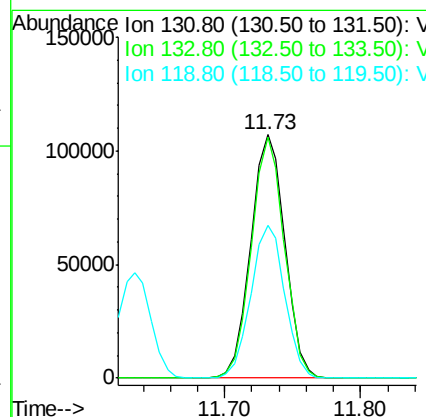
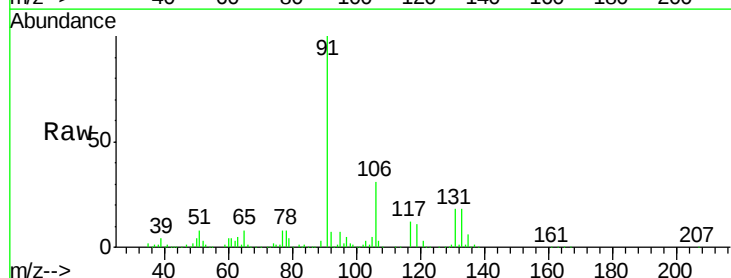
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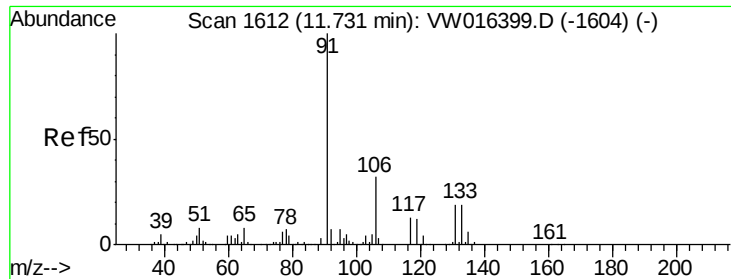
MMDadoda
8/31/2020 11:59:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 104.438 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion:131 Resp: 187858
Ion Ratio Lower Upper
131 100
133 95.8 46.9 140.6
119 62.5 31.6 95.0





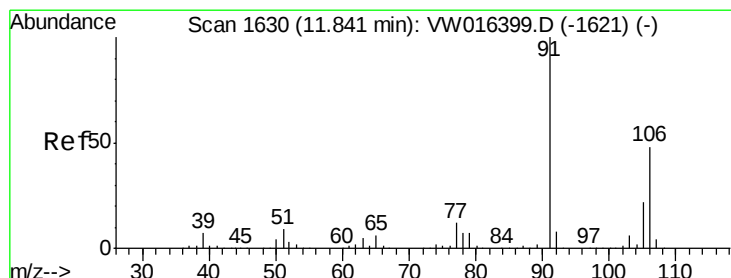
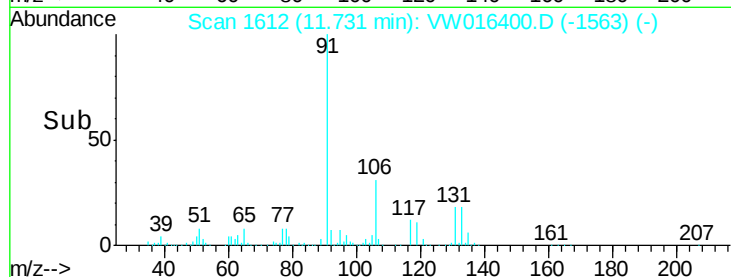
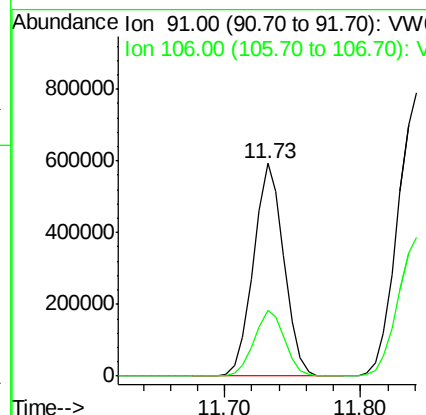
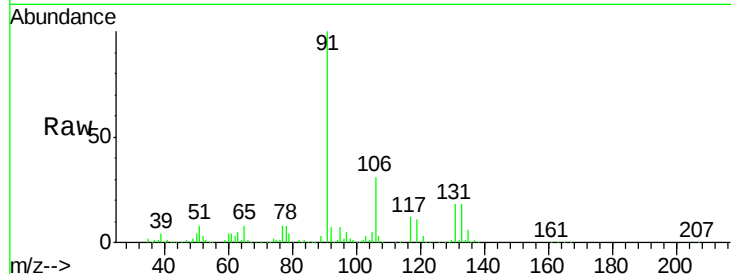
#67
Ethyl Benzene
Concen: 101.652 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 928486
Ion Ratio Lower Upper
91 100
106 30.8 25.3 37.9

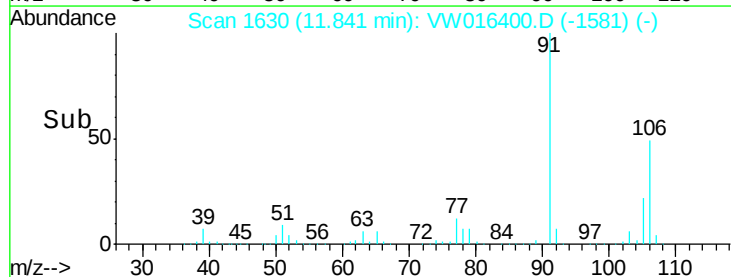
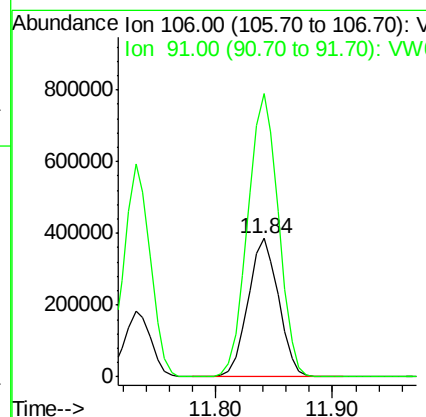
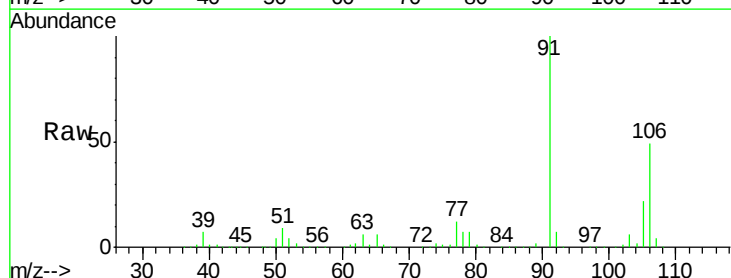
Manual Integrations
APPROVED

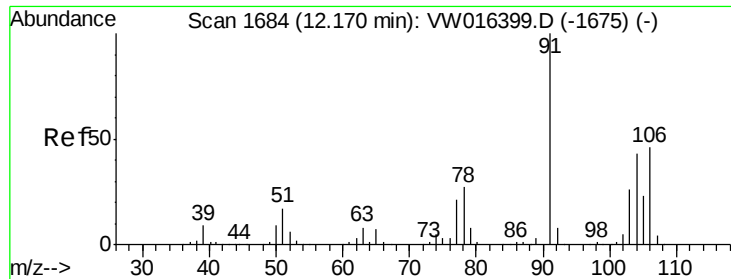
MMDadoda
8/31/2020 11:59:31 AM



#68
m/p-Xylenes
Concen: 200.989 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion: 106 Resp: 705193
Ion Ratio Lower Upper
106 100
91 206.3 167.7 251.5





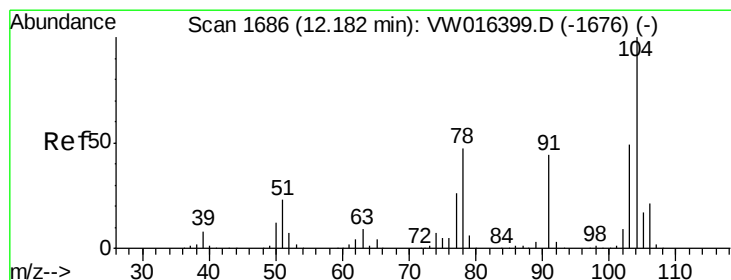
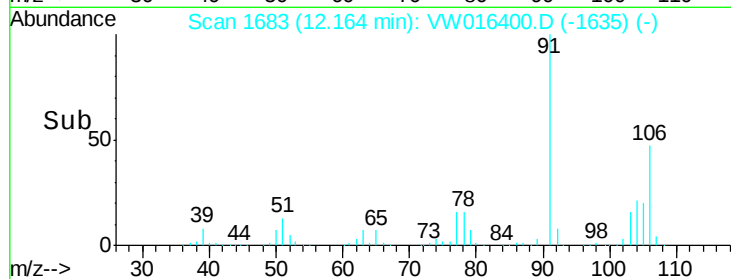
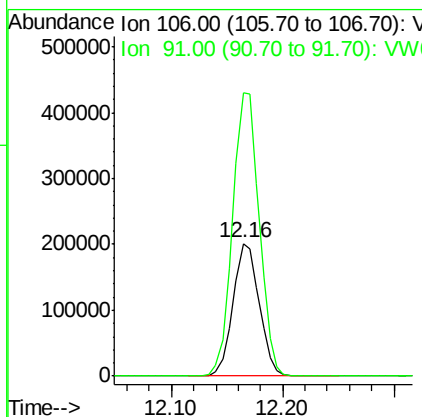
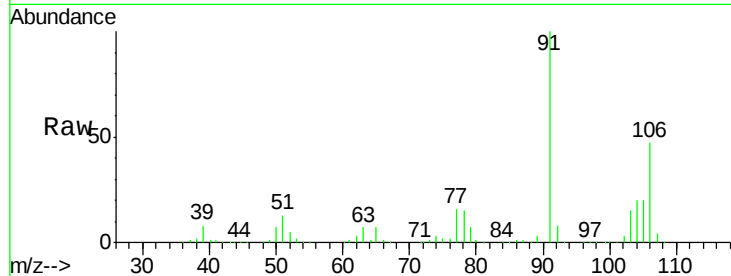
#69
o-Xylene
Concen: 104.240 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC100

Tot Ion:106 Resp: 325939
Ion Ratio Lower Upper
106 100
91 217.8 111.7 334.9

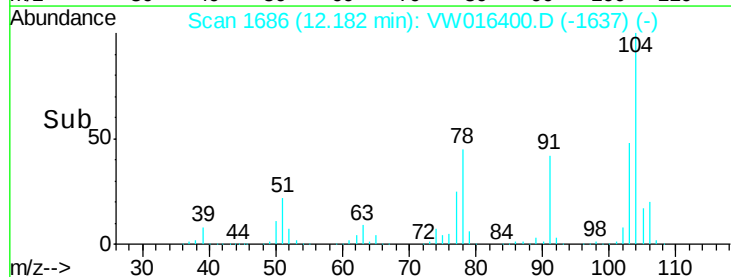
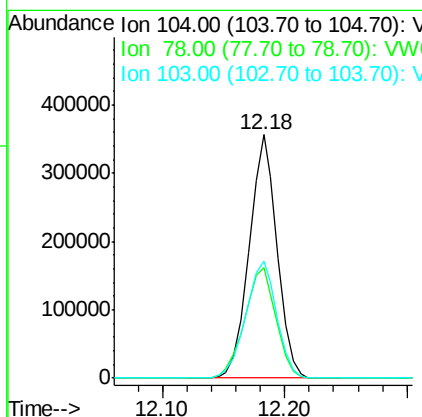
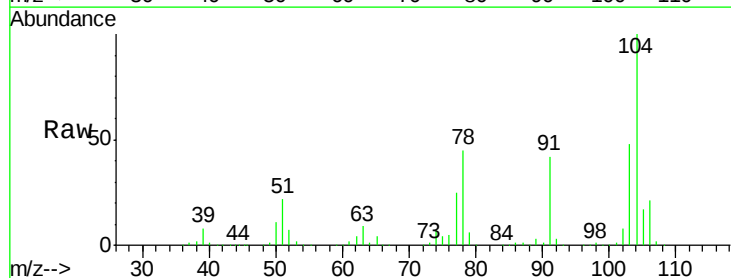
Manual Integrations
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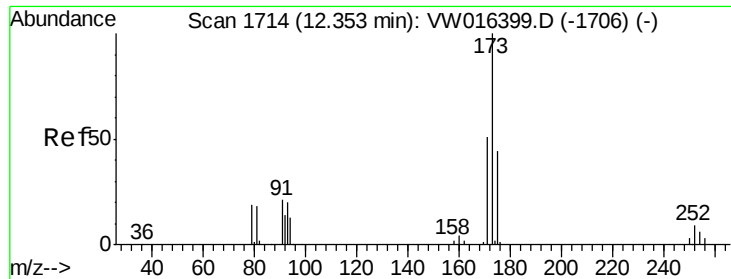
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#70
Styrene
Concen: 103.939 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion:104 Resp: 562697
Ion Ratio Lower Upper
104 100
78 50.9 41.7 62.5
103 53.6 42.9 64.3





#71

Bromoform

Concen: 120.098 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:173 Resp: 98337

Ion Ratio Lower Upper

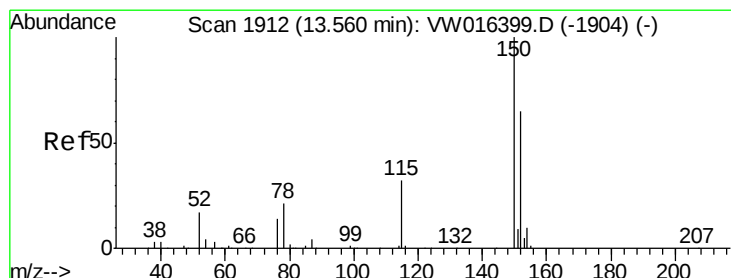
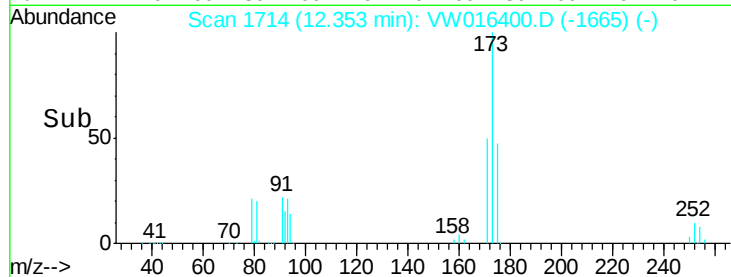
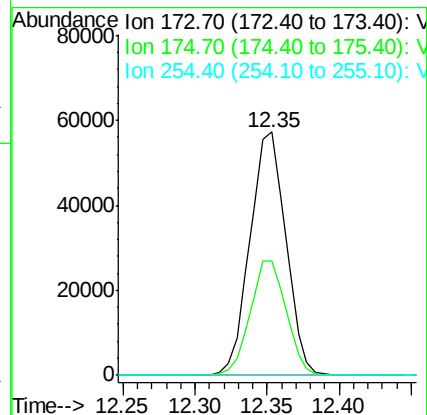
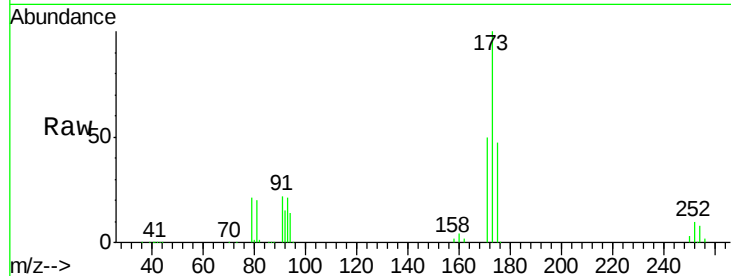
173 100

175 47.2 23.5 70.6

254 0.1 0.0 0.0#

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8/31/2020 11:59:31 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

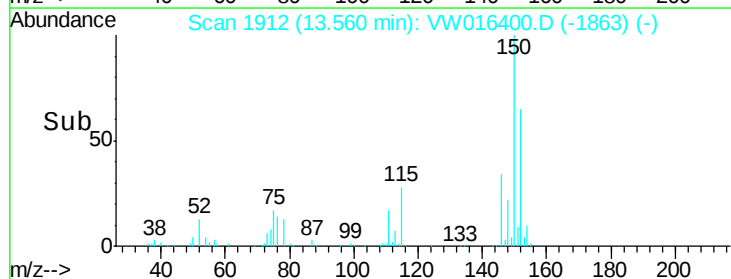
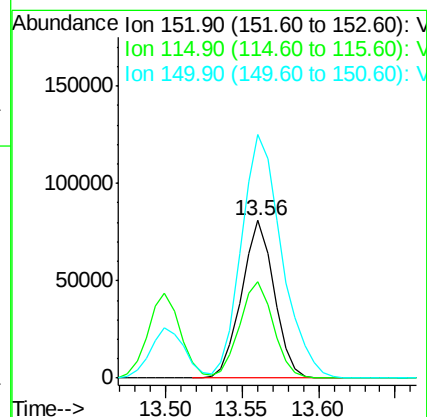
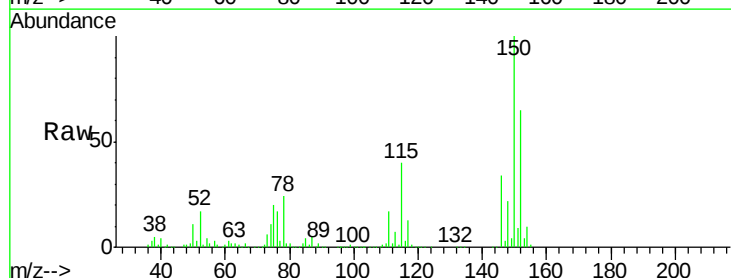
Tgt Ion:152 Resp: 120421

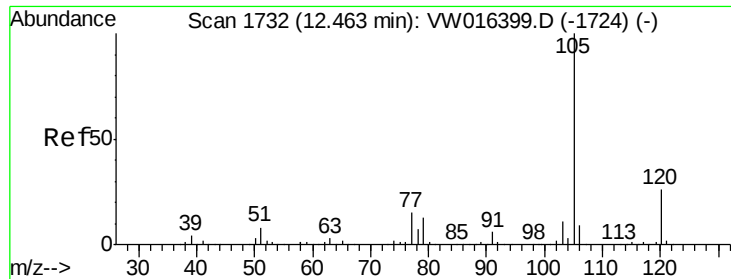
Ion Ratio Lower Upper

152 100

115 62.9 30.9 92.5

150 190.1 0.0 351.0





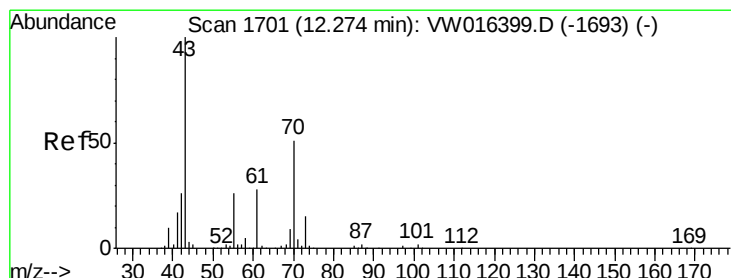
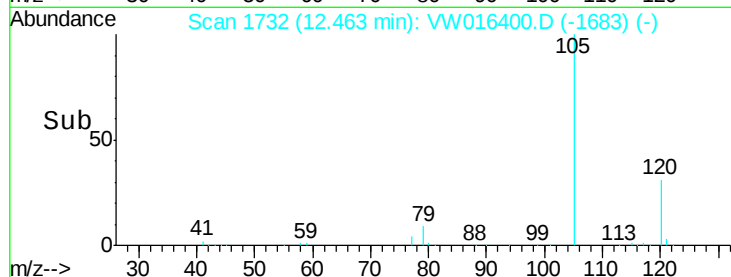
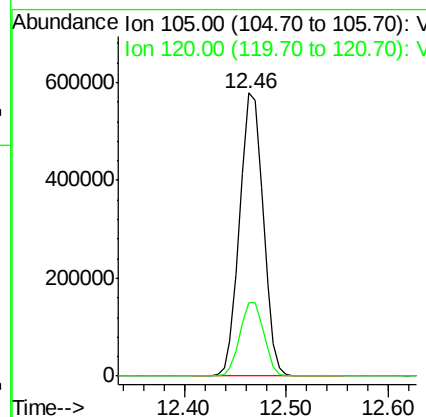
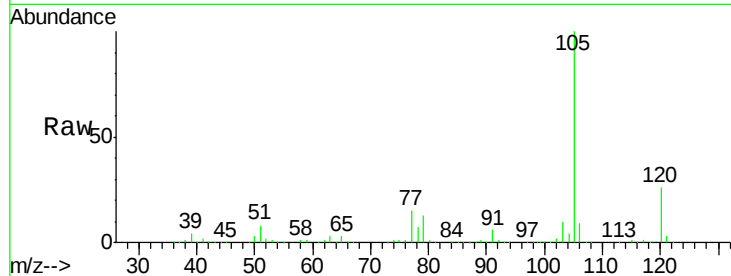
#73
Isopropylbenzene
Concen: 100.264 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

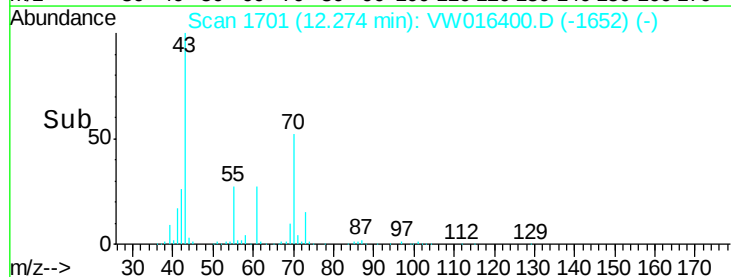
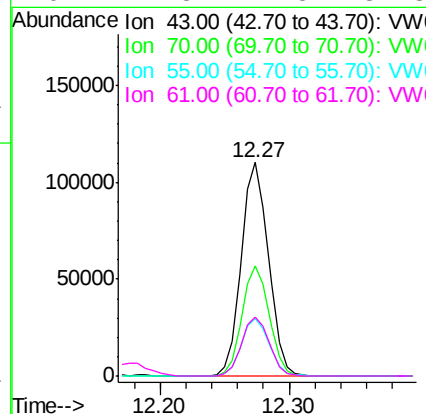
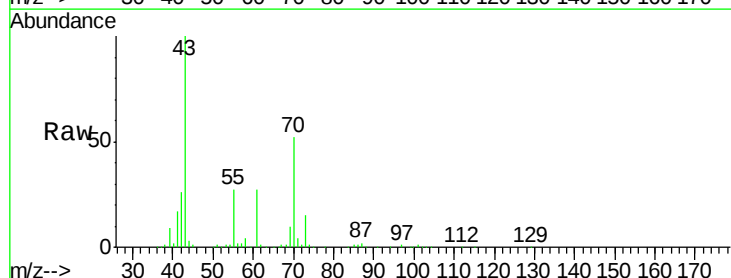
Manual Integrations
APPROVED

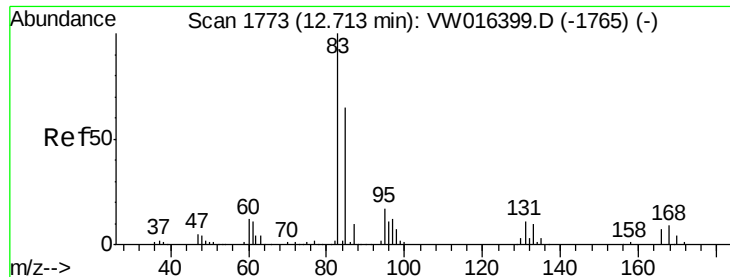
MMDadoda
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#74
N-ethyl acetate
Concen: 99.583 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Lower	Upper
43	100		
70	51.4	40.8	61.2
55	27.3	21.6	32.4
61	27.8	21.5	32.3





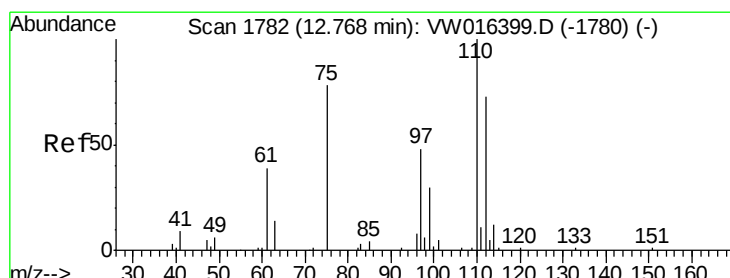
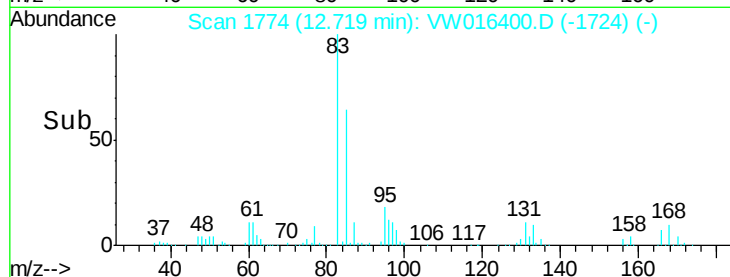
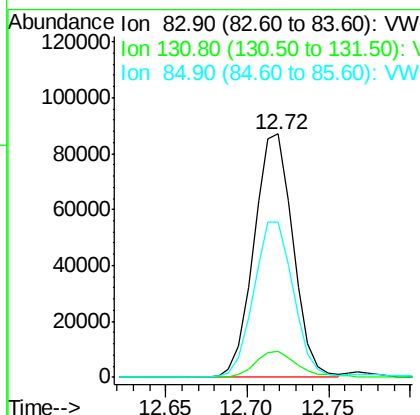
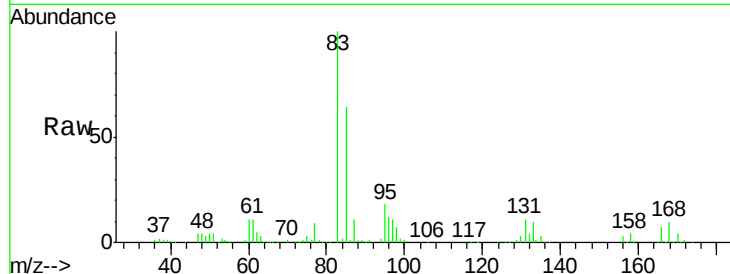
#75
 1,1,2,2-Tetrachloroethane
 Concen: 95.242 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.01 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.7	5.9	17.8	
85	64.8	32.3	96.8	

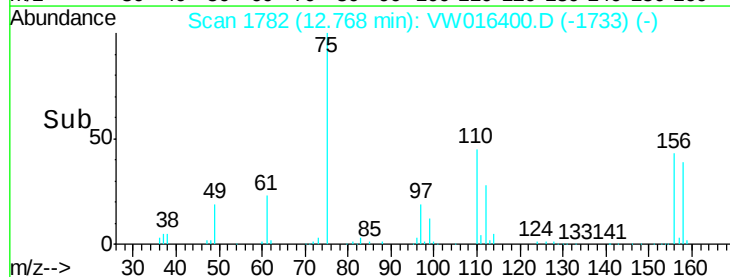
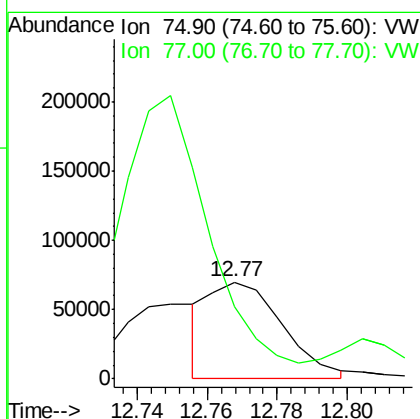
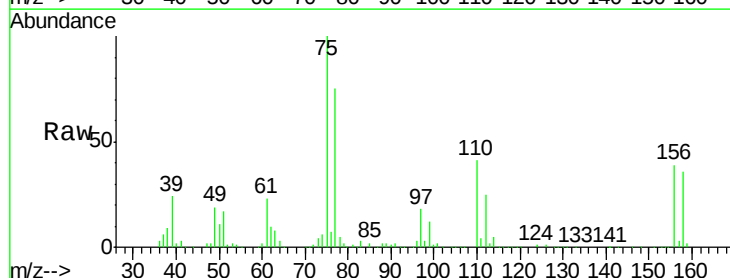
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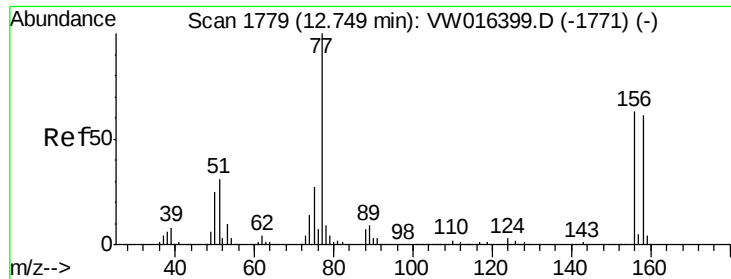
MMDadoda
 8/31/2020 11:59:31 AM



#76
 1,2,3-Trichloropropane
 Concen: 93.273 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	361.6	173.4	520.2	





#77

Bromobenzene

Concen: 99.661 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:156 Resp: 204380

Ion Ratio Lower Upper

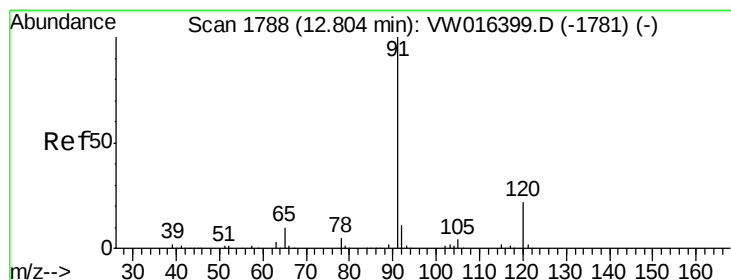
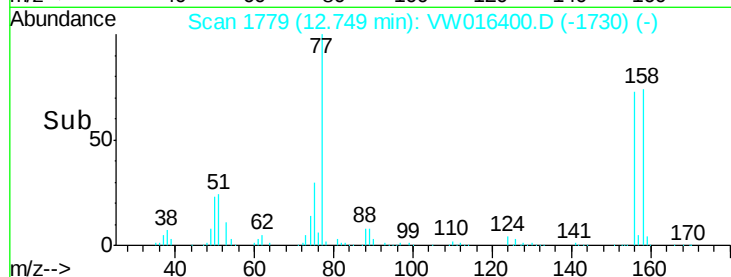
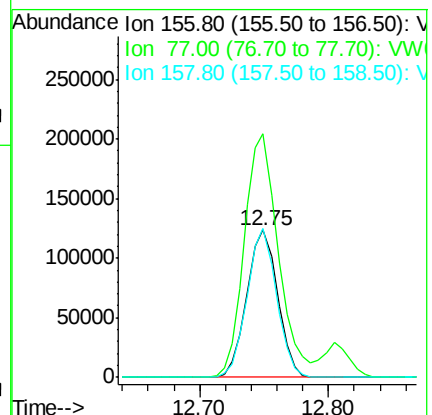
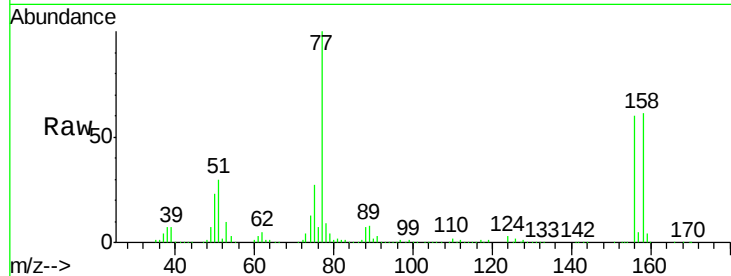
156 100

77 181.6 90.0 269.9

158 96.2 47.3 141.8

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#78

n-propylbenzene

Concen: 95.929 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016400.D

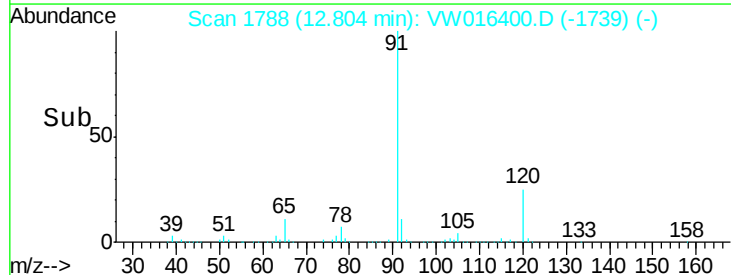
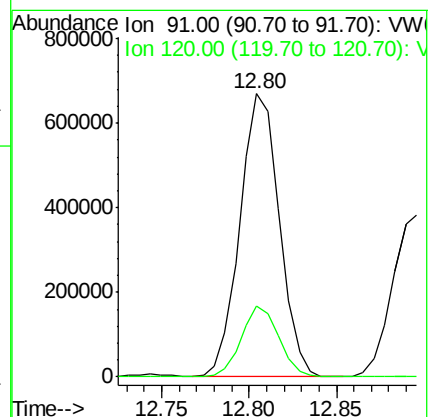
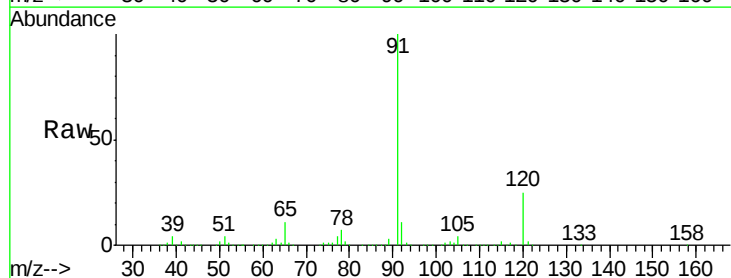
Acq: 28 Aug 2020 14:08

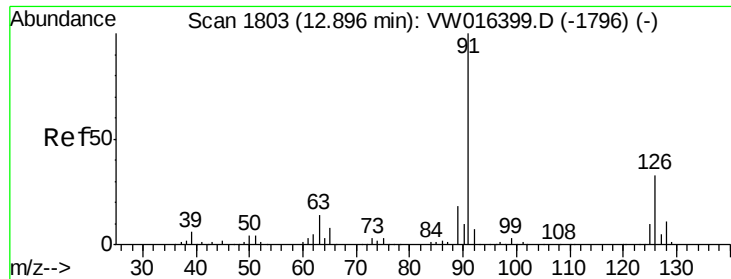
Tgt Ion: 91 Resp: 1047646

Ion Ratio Lower Upper

91 100

120 23.9 11.3 33.9





#79

2-Chlorotoluene

Concen: 97.721 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 618035

Ion Ratio Lower Upper

91 100

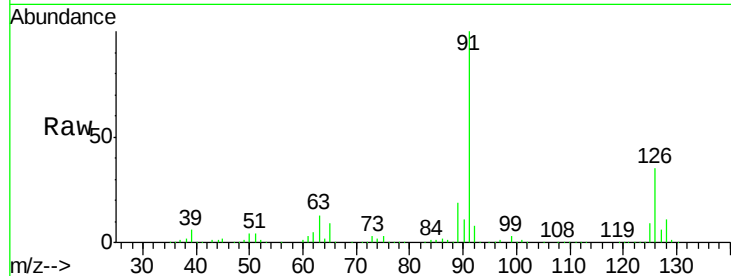
126 33.6 16.4 49.1

Manual Integrations

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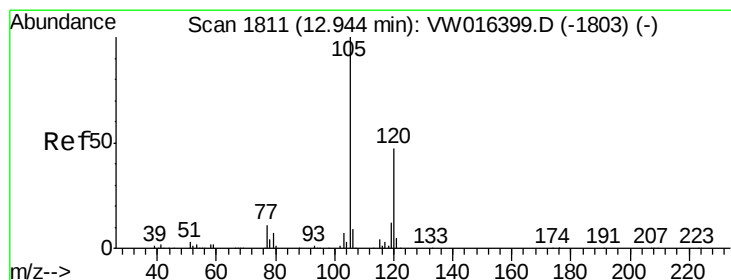
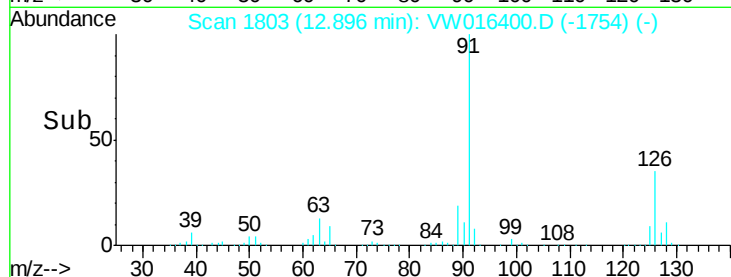
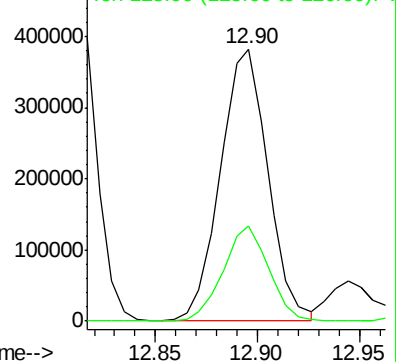
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 100.043 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016400.D

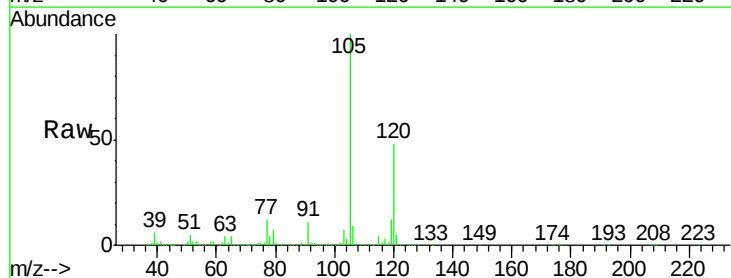
Acq: 28 Aug 2020 14:08

Tgt Ion:105 Resp: 792219

Ion Ratio Lower Upper

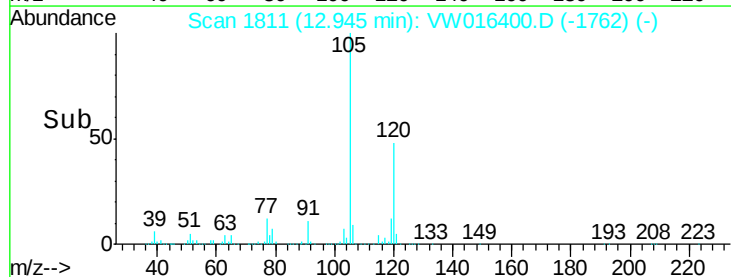
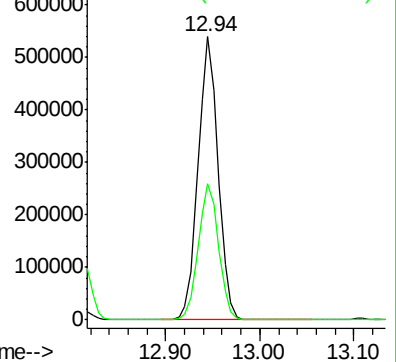
105 100

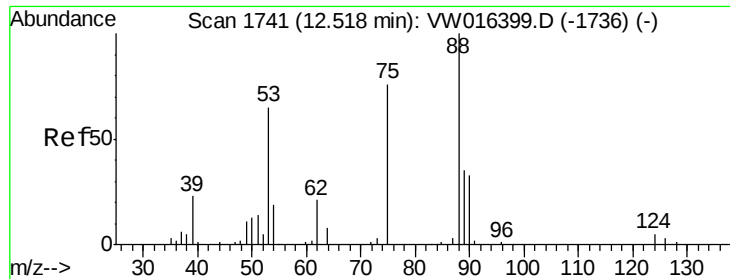
120 48.7 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





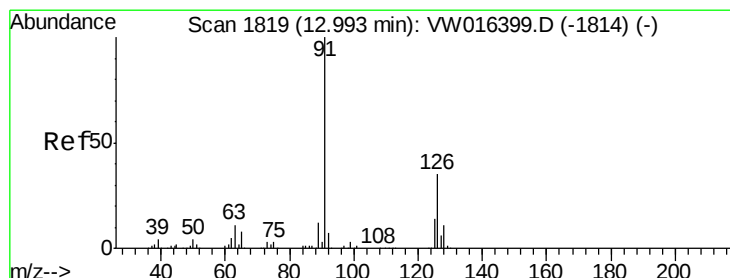
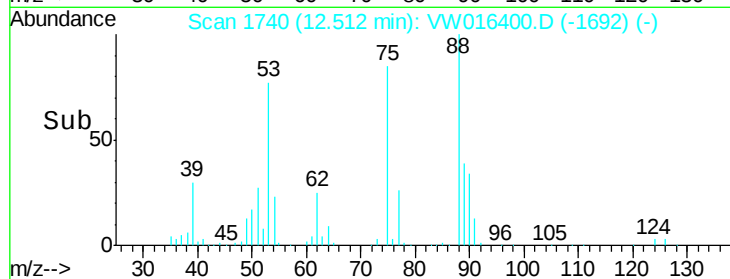
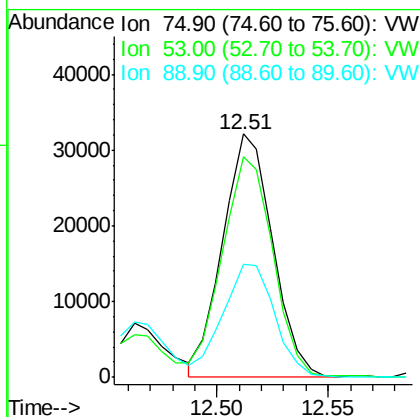
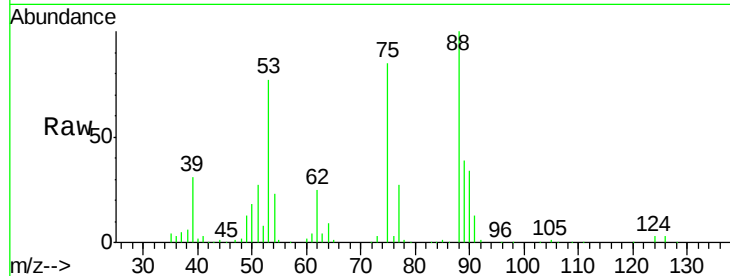
#81
trans-1,4-Dichloro-2-butene
Concen: 108.350 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	75.2	112.8
89	48.9	40.4	60.6

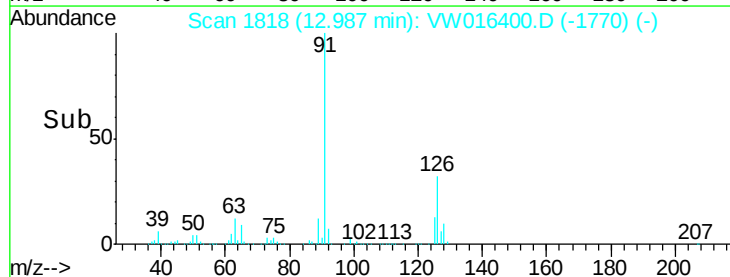
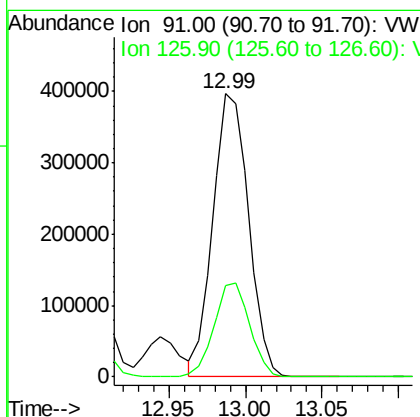
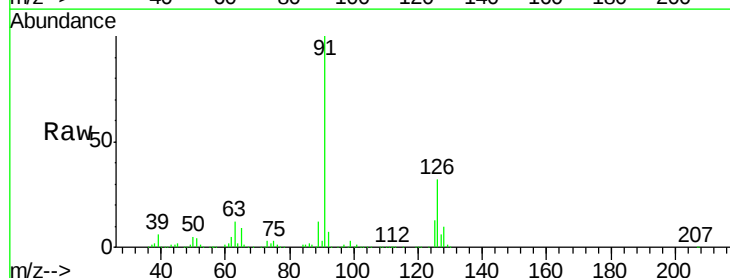
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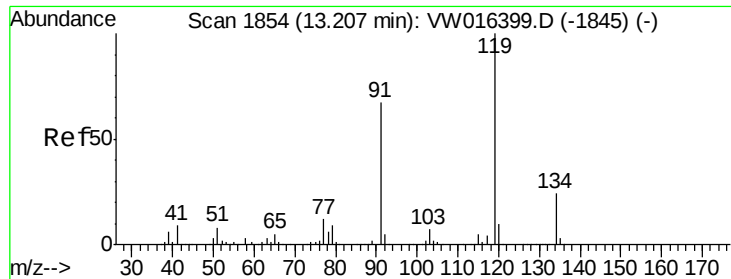
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#82
4-Chlorotoluene
Concen: 98.104 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.0	50.9





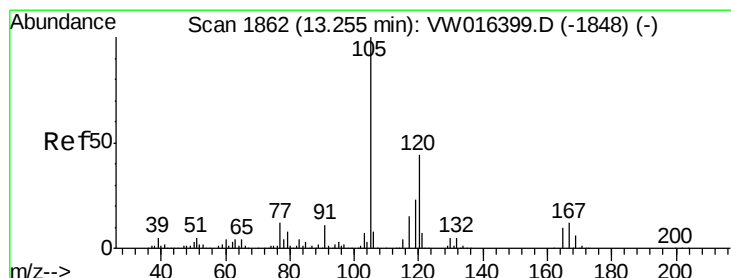
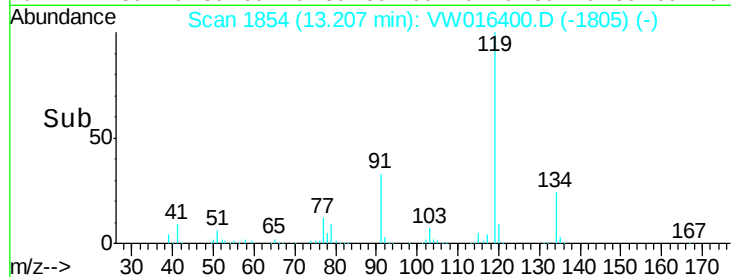
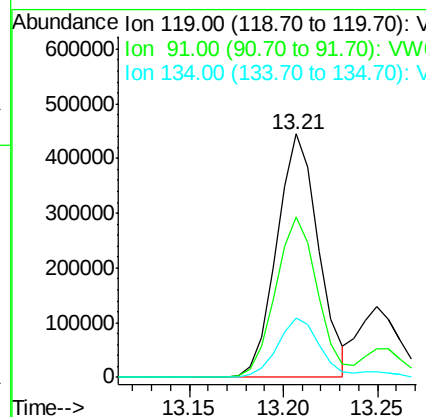
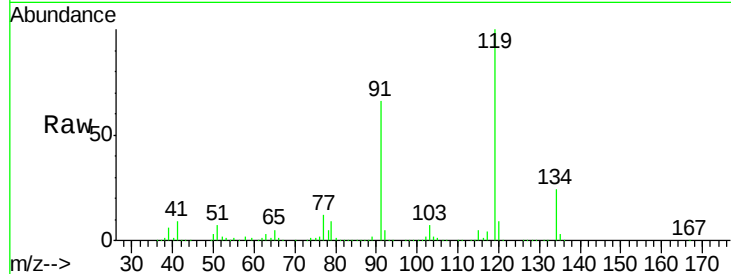
#83
tert-Butylbenzene
Concen: 105.603 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	683958		
91	66.8	34.1	102.3	
134	26.0	12.3	36.8	

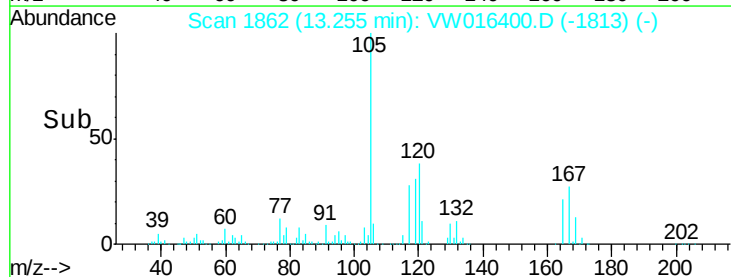
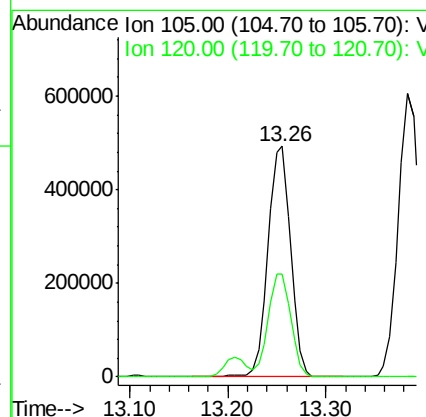
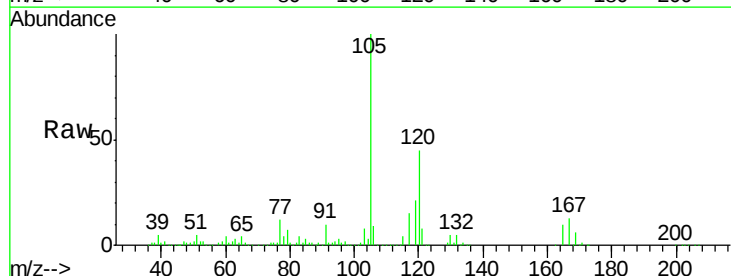
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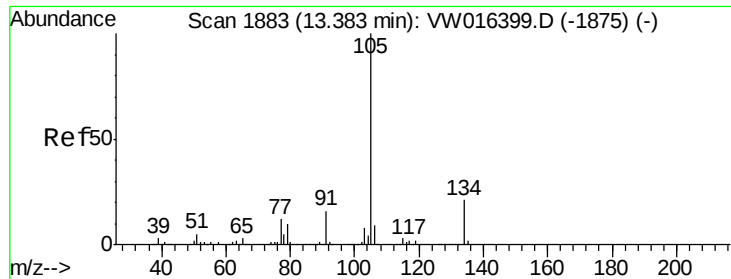
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#84
1,2,4-Trimethylbenzene
Concen: 101.496 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	791197		
120	44.6	22.1	66.1	





#85

sec-Butylbenzene

Concen: 99.157 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 927877

Ion Ratio Lower Upper

105 100

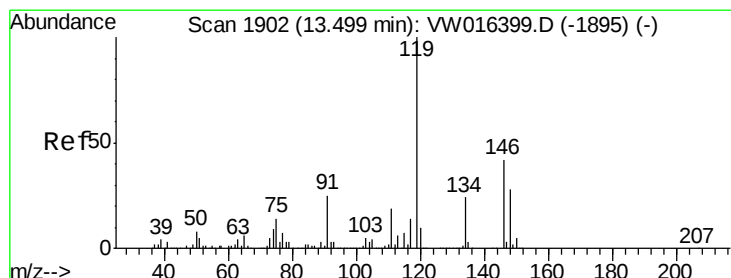
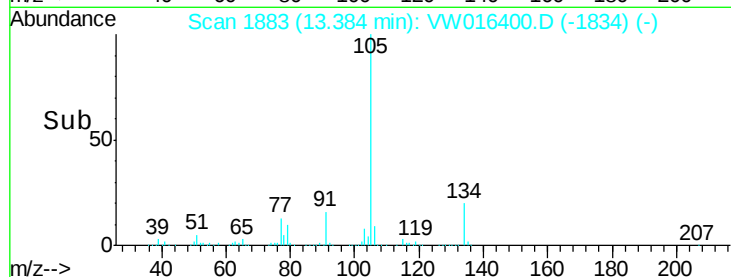
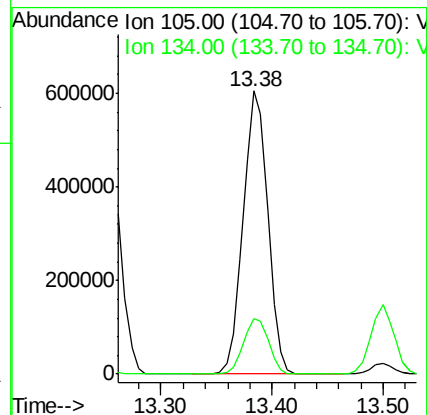
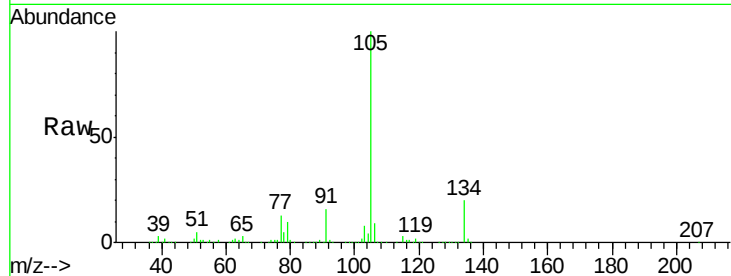
134 20.3 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 100.853 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

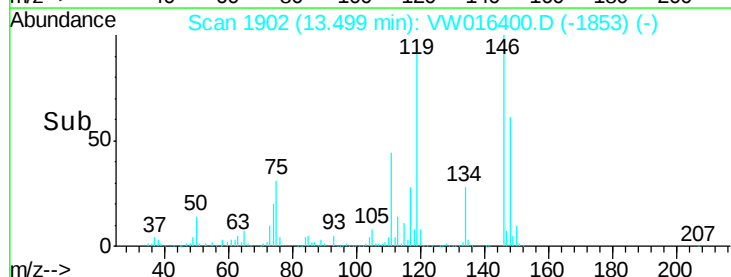
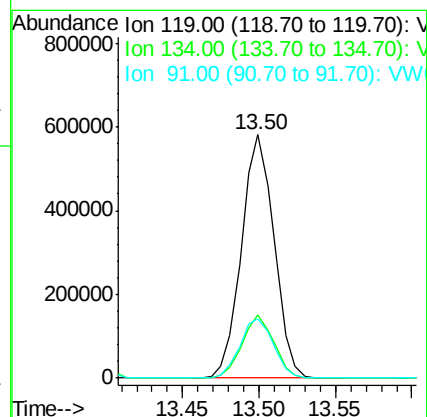
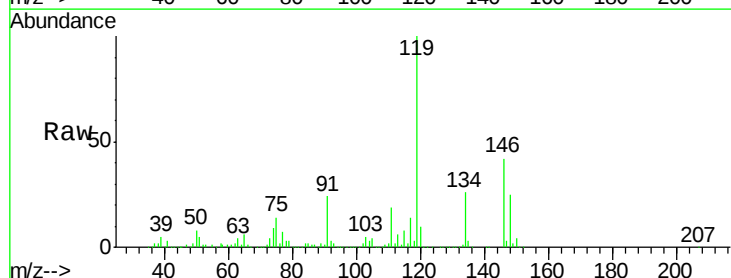
Tgt Ion:119 Resp: 859889

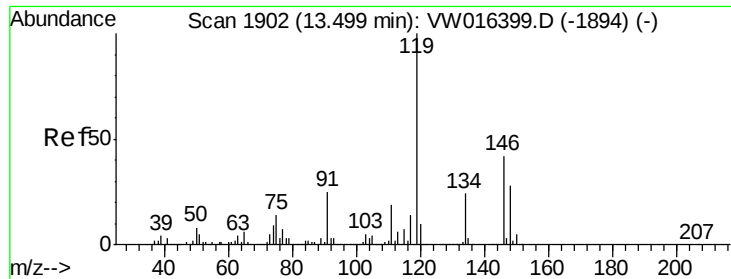
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.6

91 24.9 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 98.580 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

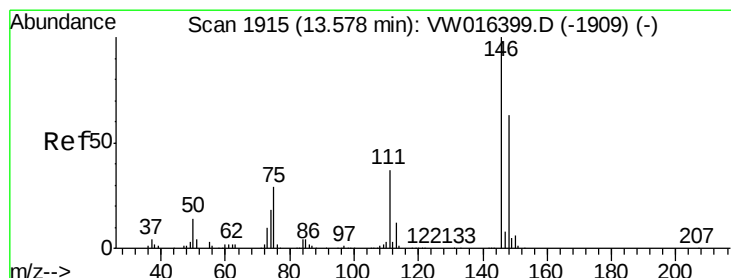
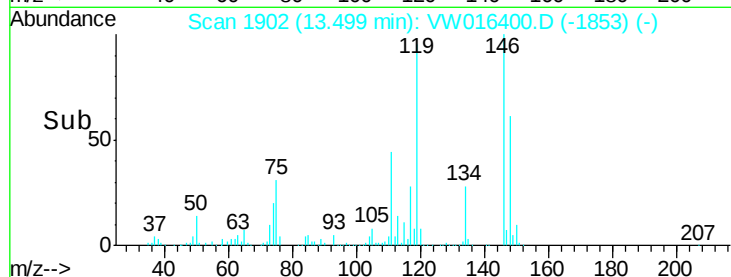
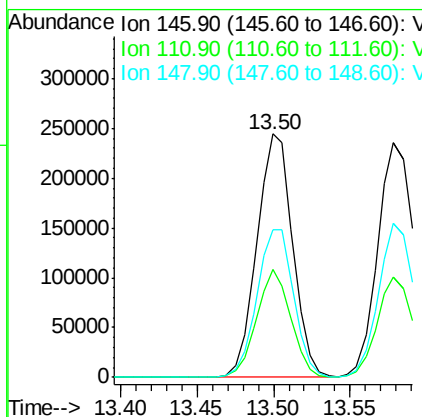
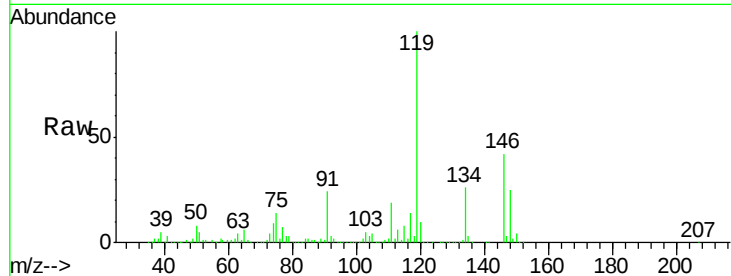
Instrument :
MSVOA_W

ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.6	67.8
148	62.3	33.6	100.8

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#88

1,4-Dichlorobenzene

Concen: 96.436 ug/l

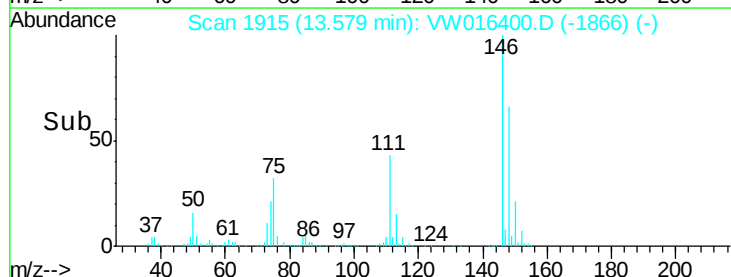
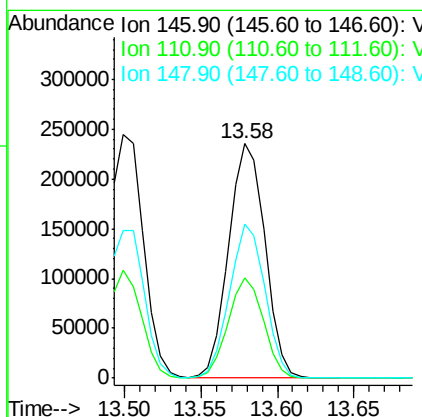
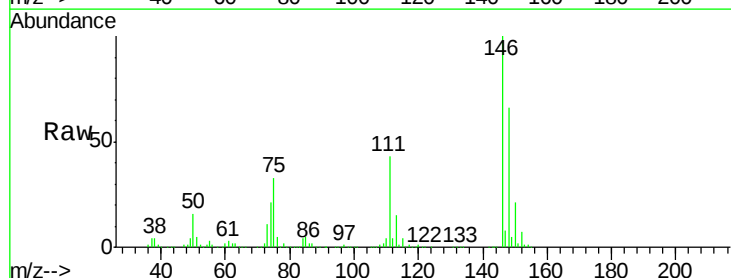
RT: 13.58 min Scan# 1915

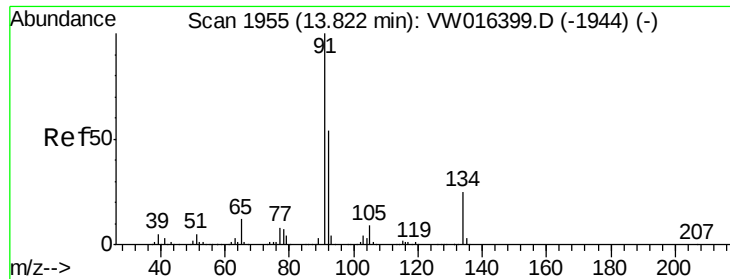
Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.3
148	64.3	32.0	96.2





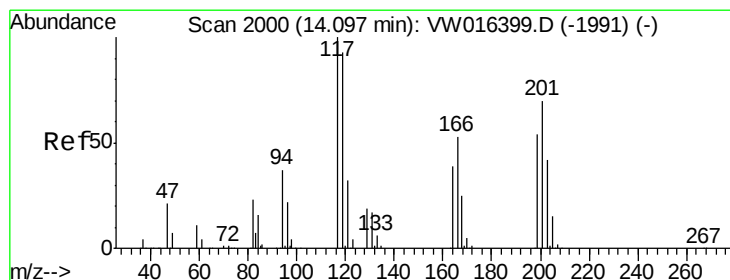
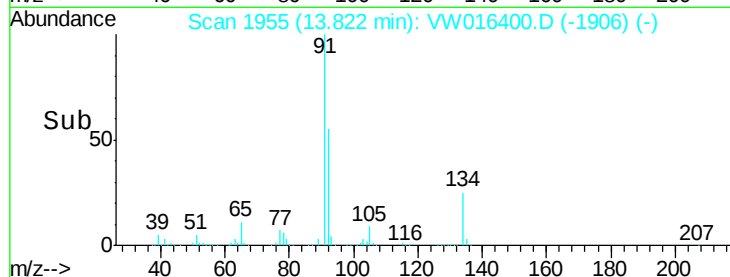
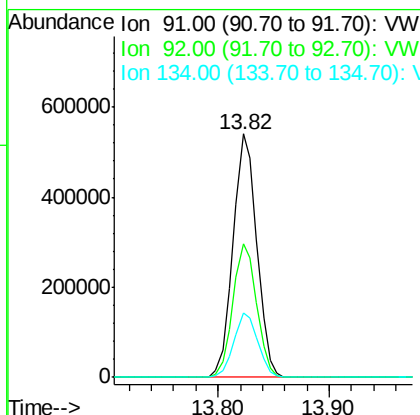
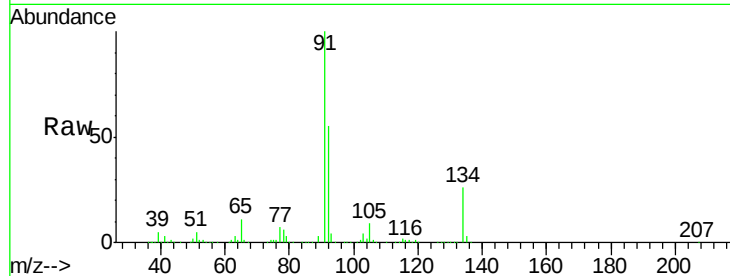
#89
n-Butylbenzene
Concen: 101.315 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	26.8	80.4
134	26.7	13.2	39.6

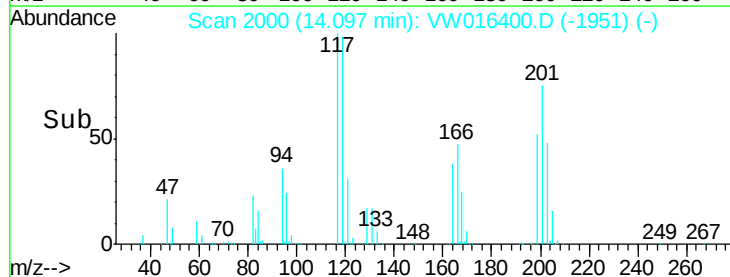
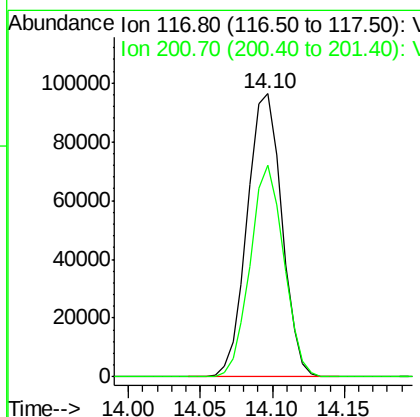
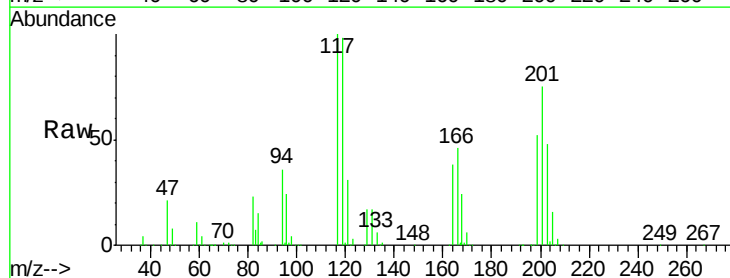
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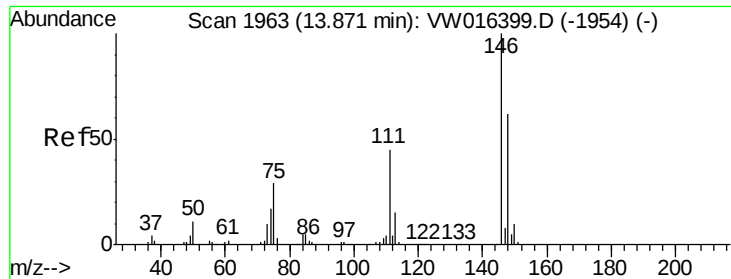
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#90
Hexachloroethane
Concen: 100.670 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.7	35.9	107.7





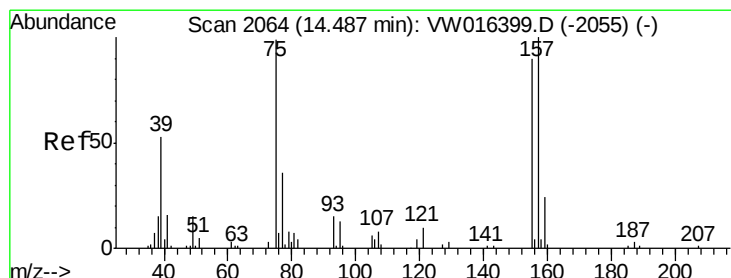
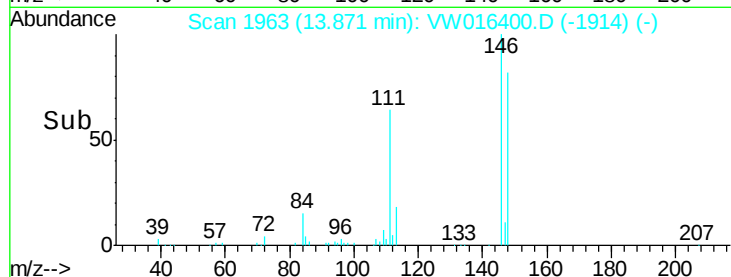
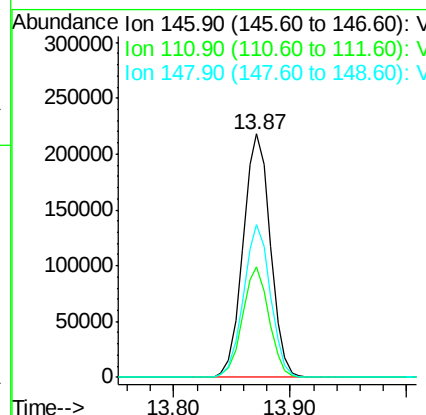
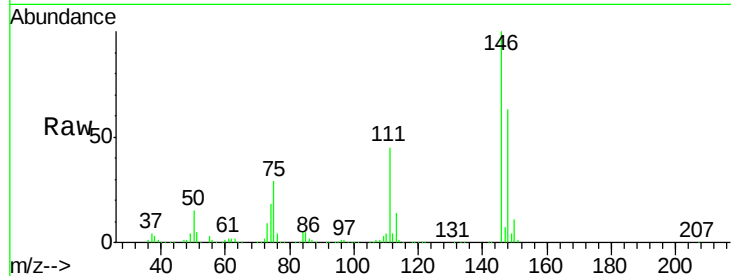
#91
 1,2-Dichlorobenzene
 Concen: 99.944 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.3	66.8
148	62.0	32.0	96.0

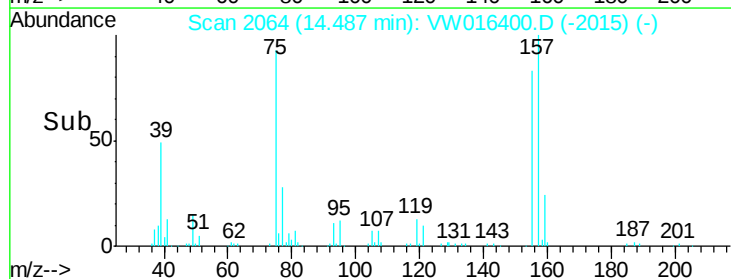
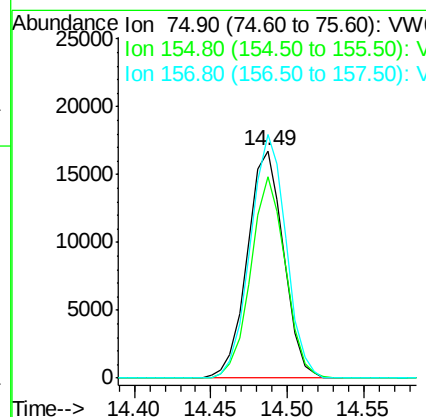
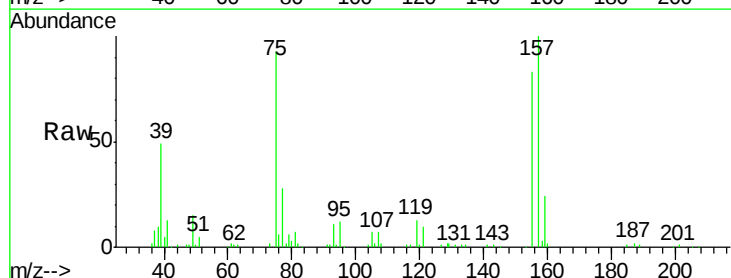
Manual Integrations
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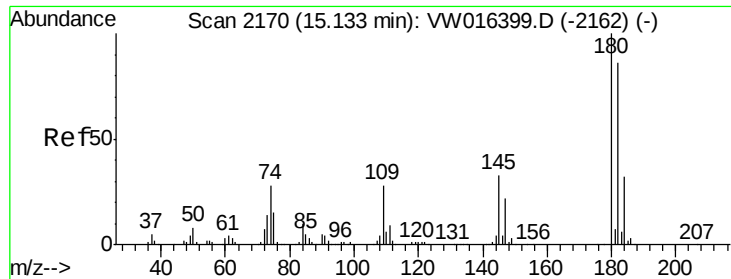
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 115.131 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016400.D
 Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	41.4	124.4
157	105.3	52.1	156.4





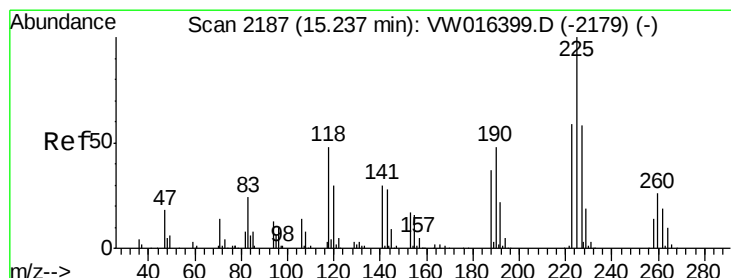
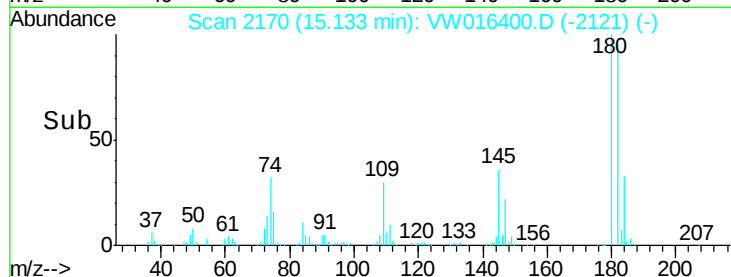
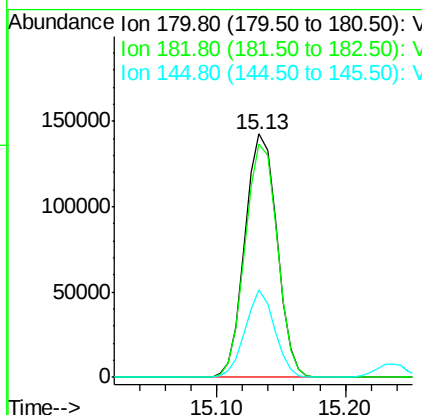
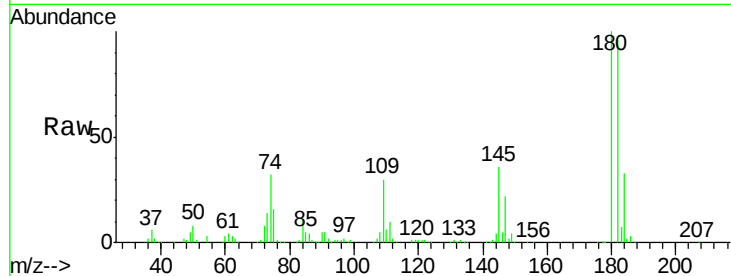
#93
1,2,4-Trichlorobenzene
Concen: 113.969 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	245072		
182	96.0	44.9	134.7	
145	33.1	17.1	51.2	

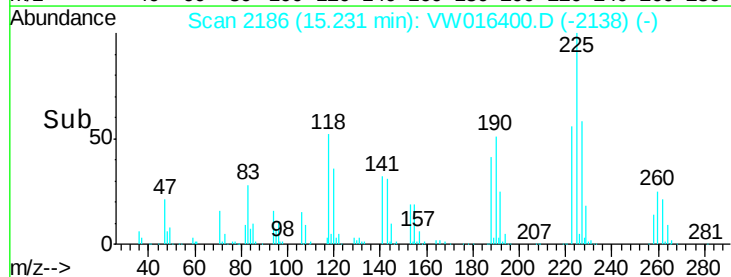
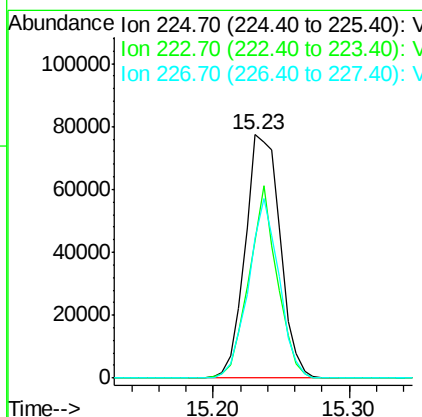
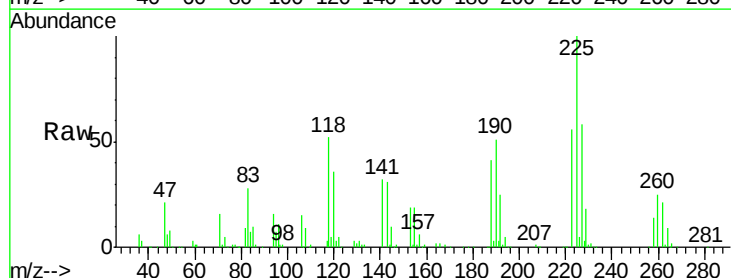
Manual Integrations
APPROVED

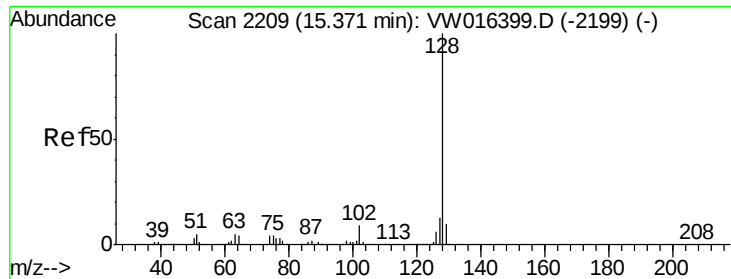
MMDadoda
8/31/2020 11:59:31 AM



#94
Hexachlorobutadiene
Concen: 107.115 ug/l
RT: 15.23 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VW016400.D
Acq: 28 Aug 2020 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	139407		
223	64.1	30.5	91.5	
227	64.7	30.7	92.1	





#95

Naphthalene

Concen: 123.943 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Instrument :

MSVOA_W

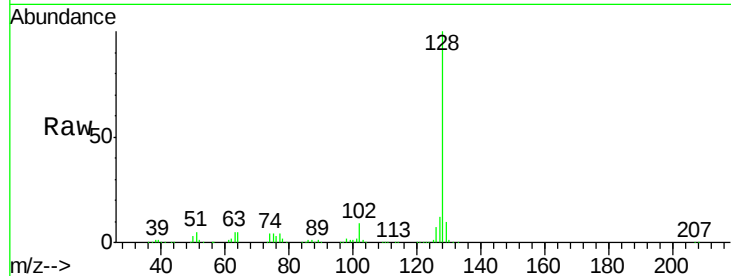
ClientSampleId :

VSTDIC100

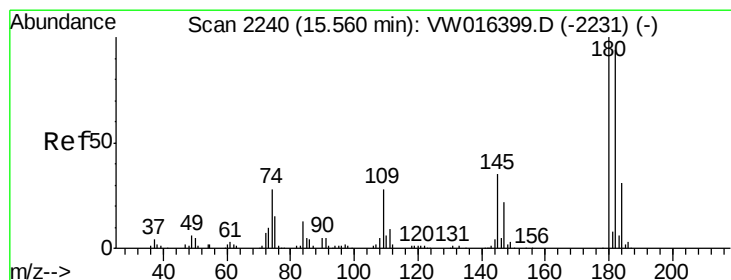
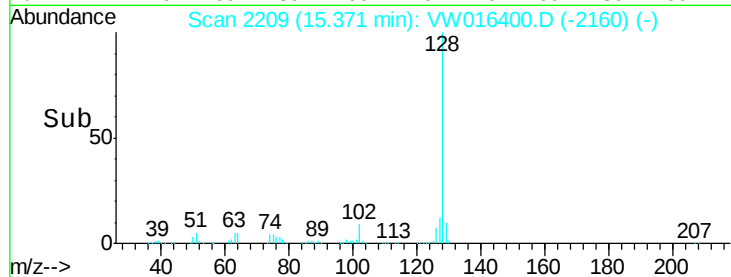
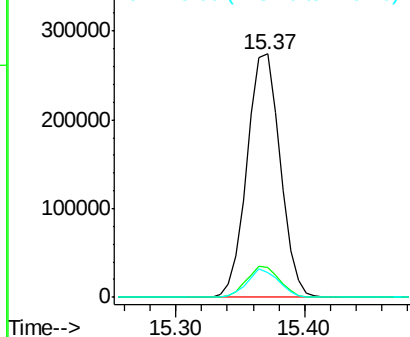
Tot Ion:	128	Resp:	487418
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:31 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 118.121 ug/l

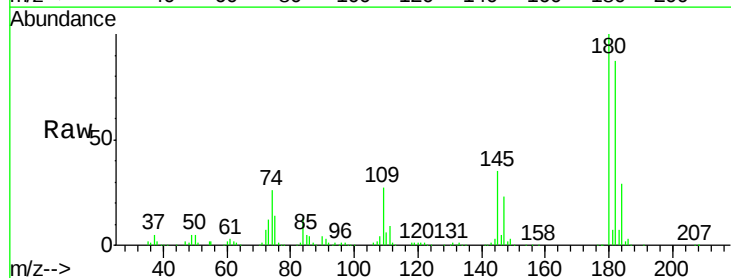
RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016400.D

Acq: 28 Aug 2020 14:08

Tgt Ion:	180	Resp:	217783
Ion Ratio		Lower	Upper
180	100		
182	95.4	46.5	139.5
145	36.1	18.1	54.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

