

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081420\
 Data File : VW016184.D
 Acq On : 14 Aug 2020 10:37
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:46:26 PM

Quant Time: Aug 14 11:46:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 14 11:36:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	433895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189270	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	49710	18.13	ug/l	0.00
Spiked Amount			Recovery	=	36.26%	
35) Dibromofluoromethane	7.88	113	52003	19.99	ug/l	0.00
Spiked Amount			Recovery	=	39.98%	
50) Toluene-d8	10.33	98	199004	19.88	ug/l	0.00
Spiked Amount			Recovery	=	39.76%	
62) 4-Bromofluorobenzene	12.62	95	71769	19.77	ug/l	0.00
Spiked Amount			Recovery	=	39.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	34828	24.452	ug/l	95
3) Chloromethane	2.21	50	36330	19.264	ug/l	100
4) Vinyl Chloride	2.37	62	53489	18.692	ug/l	96
5) Bromomethane	2.78	94	32863	15.318	ug/l	97
6) Chloroethane	2.92	64	28916	15.311	ug/l	95
7) Trichlorofluoromethane	3.26	101	42623	20.546	ug/l	100
8) Diethyl Ether	3.68	74	26870	20.445	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57276	23.013	ug/l	99
10) Methyl Iodide	4.26	142	83878	23.984	ug/l	98
11) Tert butyl alcohol	5.24	59	13277	88.752	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	56998	23.117	ug/l	98
13) Acrolein	3.90	56	19921	105.219	ug/l	95
14) Allyl chloride	4.67	41	76961	19.863	ug/l	99
15) Acrylonitrile	5.38	53	50709	99.241	ug/l	99
16) Acetone	4.15	43	42938	84.672	ug/l	98
17) Carbon Disulfide	4.37	76	169459	23.186	ug/l	100
18) Methyl Acetate	4.68	43	22313	19.300	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	72264	20.108	ug/l	98
20) Methylene Chloride	4.91	84	72055	23.963	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	63041	22.249	ug/l	98
22) Diisopropyl ether	6.31	45	152289	19.640	ug/l	96
23) Vinyl Acetate	6.26	43	423675	91.918	ug/l	98
24) 1,1-Dichloroethane	6.21	63	101959	20.511	ug/l	99
25) 2-Butanone	7.18	43	62388	91.041	ug/l	96
26) 2,2-Dichloropropane	7.17	77	65944	21.107	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	65554	21.780	ug/l	100
28) Bromochloromethane	7.51	49	39514	19.744	ug/l	98
29) Tetrahydrofuran	7.54	42	38659	92.911	ug/l	99
30) Chloroform	7.68	83	107282	21.061	ug/l	97
31) Cyclohexane	7.96	56	92183	19.653	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	90219	21.119	ug/l	98
36) 1,1-Dichloropropene	8.09	75	86007	20.295	ug/l	99
37) Ethyl Acetate	7.26	43	28532	17.374	ug/l	99
38) Carbon Tetrachloride	8.07	117	86130	20.903	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	103154	20.540	ug/l	99
40) Benzene	8.33	78	240434	20.612	ug/l	100
41) Methacrylonitrile	7.49	41	16354	17.563	ug/l	98
42) 1,2-Dichloroethane	8.40	62	64184	18.081	ug/l	99
43) Isopropyl Acetate	8.43	43	53181	16.776	ug/l	98
44) Trichloroethene	9.10	130	66439	21.371	ug/l	91
45) 1,2-Dichloropropane	9.37	63	56921	19.947	ug/l	98
46) Dibromomethane	9.46	93	29604	20.027	ug/l	98
47) Bromodichloromethane	9.65	83	76958	20.248	ug/l	98
48) Methyl methacrylate	9.44	41	24693	17.045	ug/l	97
49) 1,4-Dioxane	9.49	88	7057	380.918	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	139155	89.592	ug/l	99
52) Toluene	10.39	92	155512	20.680	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	69918	19.227	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	88247	20.154	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	43401	21.158	ug/l	96
56) Ethyl methacrylate	10.65	69	47380	18.791	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73421	20.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	117715	96.652	ug/l	99
59) 2-Hexanone	10.98	43	92968	89.460	ug/l	100
60) Dibromochloromethane	11.13	129	50635	21.194	ug/l	99
61) 1,2-Dibromoethane	11.24	107	40975	20.674	ug/l	99
64) Tetrachloroethene	10.87	164	52519	21.009	ug/l	92
65) Chlorobenzene	11.66	112	166135	21.559	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	57601	21.140	ug/l	100
67) Ethyl Benzene	11.73	91	292892	20.524	ug/l	98
68) m/p-Xylenes	11.84	106	230837	43.060	ug/l	99
69) o-Xylene	12.17	106	101334	20.746	ug/l	97
70) Styrene	12.18	104	178407	21.207	ug/l	100
71) Bromoform	12.35	173	25015	20.165	ug/l #	99
73) Isopropylbenzene	12.47	105	288219	21.451	ug/l	100
74) N-amyl acetate	12.27	43	49880	17.730	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	46466	20.666	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	34831m	20.788	ug/l	
77) Bromobenzene	12.75	156	62382	20.757	ug/l	98
78) n-propylbenzene	12.80	91	342983	21.107	ug/l	100
79) 2-Chlorotoluene	12.90	91	196331	21.158	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	251946	21.956	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13303	19.994	ug/l	94
82) 4-Chlorotoluene	12.99	91	207046	21.331	ug/l	100
83) tert-Butylbenzene	13.21	119	197972	20.824	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	249414	21.769	ug/l	99
85) sec-Butylbenzene	13.38	105	296740	21.596	ug/l	99
86) p-Isopropyltoluene	13.50	119	269245	21.457	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	127925	21.194	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	125113	21.215	ug/l	98
89) n-Butylbenzene	13.83	91	247510	20.781	ug/l	99
90) Hexachloroethane	14.10	117	47767	21.079	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	113442	21.820	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6949	19.414	ug/l	97

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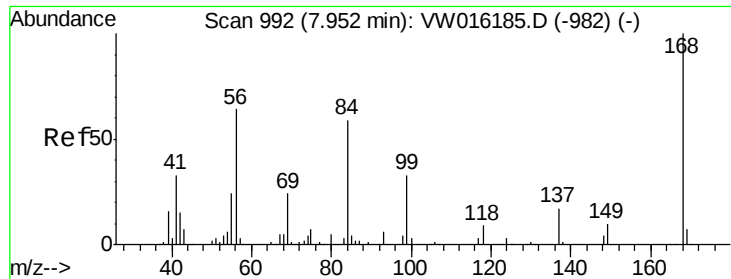
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	67028	20.499	ug/l	100
94) Hexachlorobutadiene	15.24	225	37097	18.187	ug/l	96
95) Naphthalene	15.37	128	113600	20.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	55190	19.603	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016184.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 264190

Ion Ratio Lower Upper

168 100

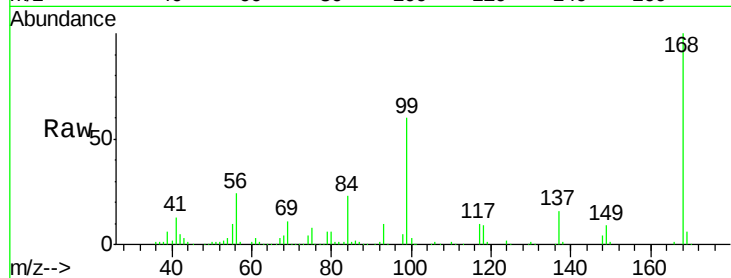
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Manual Integrations

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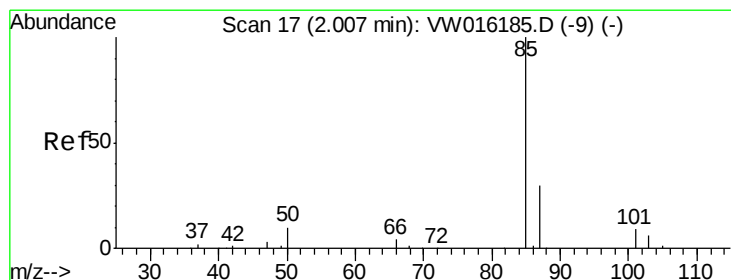
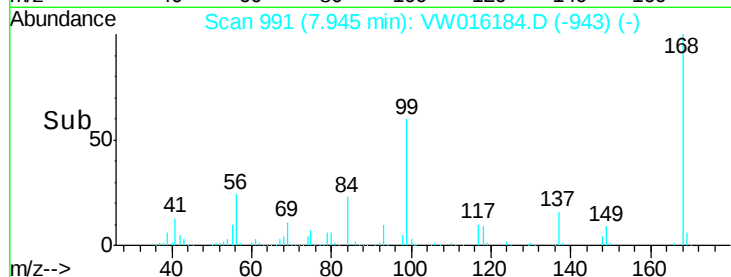
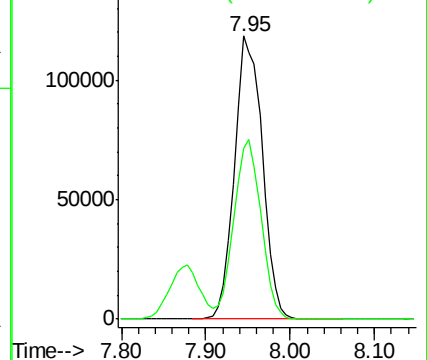
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 24.452 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016184.D

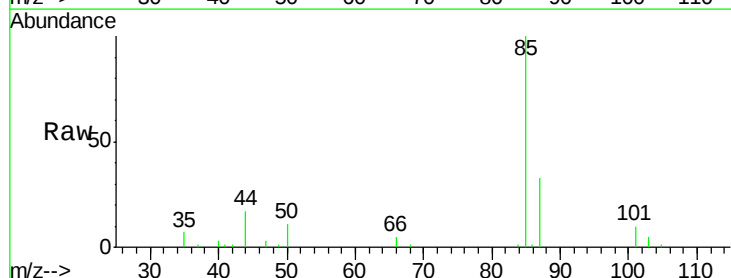
Acq: 14 Aug 2020 10:37

Tgt Ion: 85 Resp: 34828

Ion Ratio Lower Upper

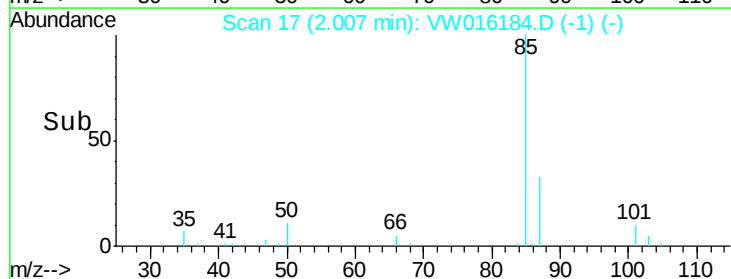
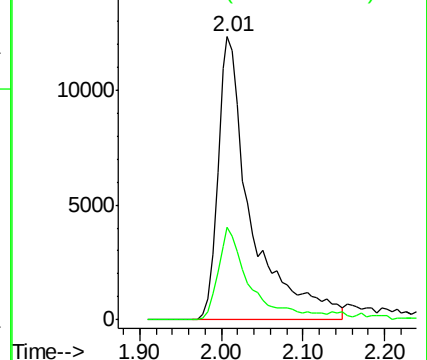
85 100

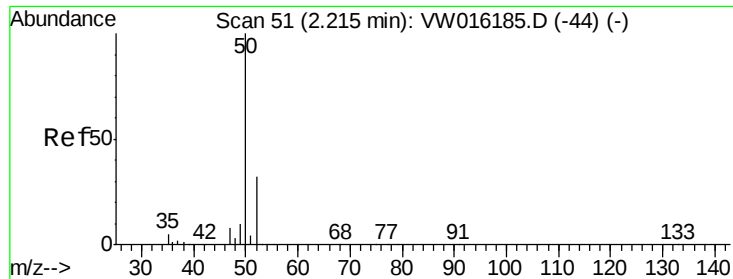
87 32.6 14.9 44.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.264 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 50 Resp: 36330

Ion Ratio Lower Upper

50 100

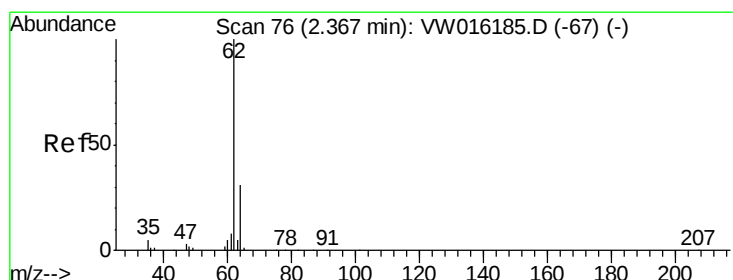
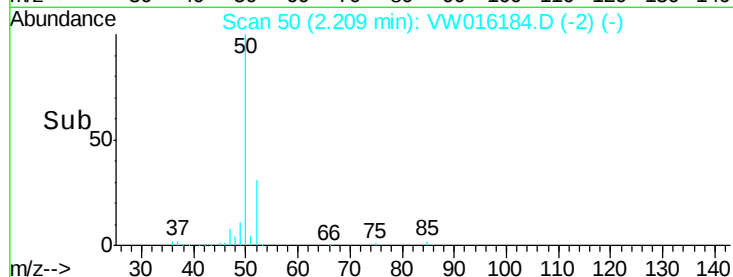
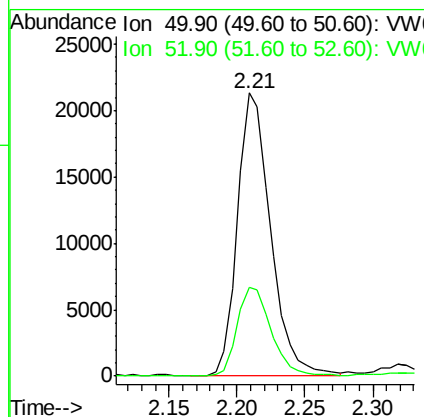
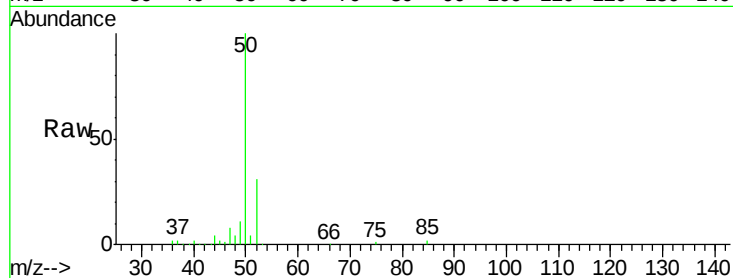
52 31.4 25.3 37.9

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#4

Vinyl Chloride

Concen: 18.692 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016184.D

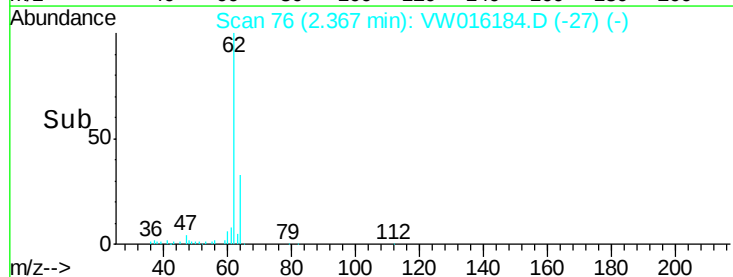
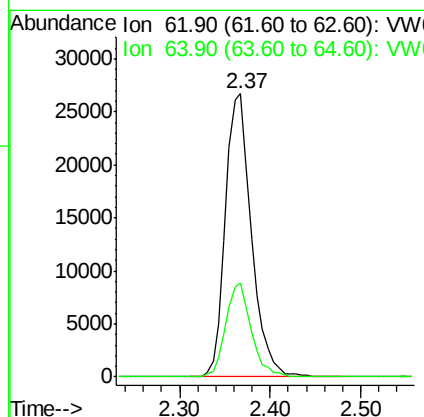
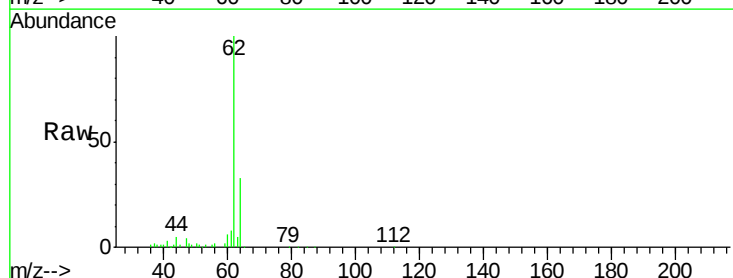
Acq: 14 Aug 2020 10:37

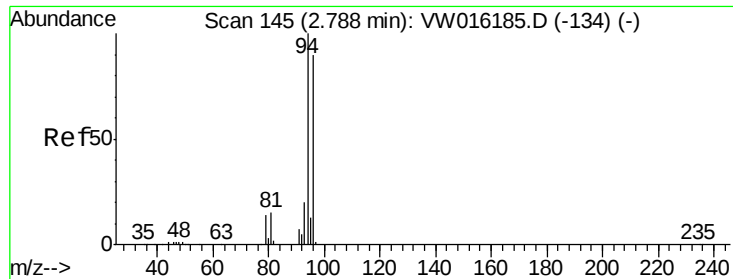
Tgt Ion: 62 Resp: 53489

Ion Ratio Lower Upper

62 100

64 33.0 24.5 36.7





#5

Bromomethane

Concen: 15.318 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 32863

Ion Ratio Lower Upper

94 100

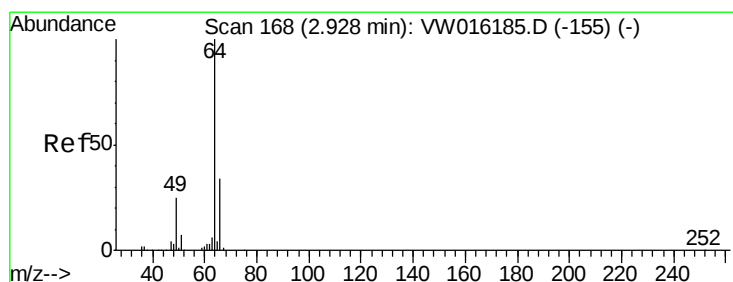
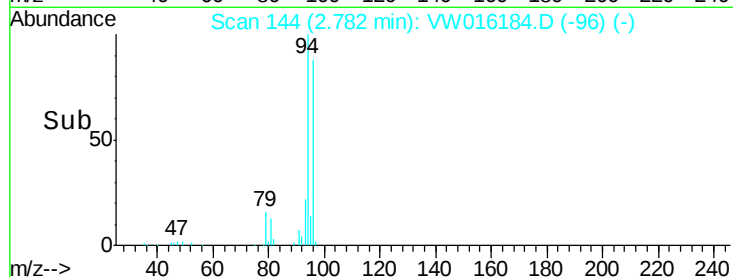
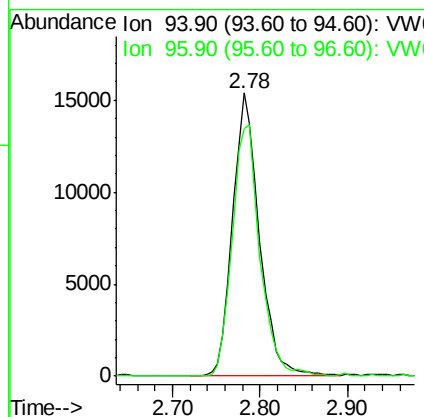
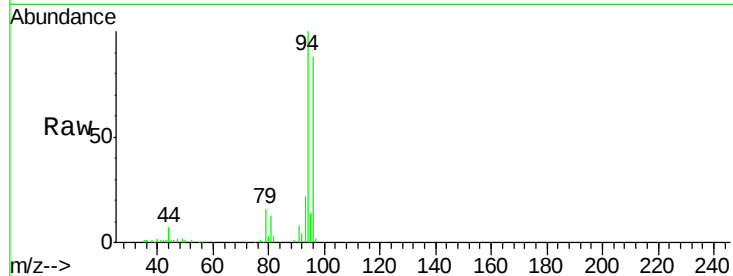
96 87.3 71.8 107.6

Manual Integrations

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#6

Chloroethane

Concen: 15.311 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016184.D

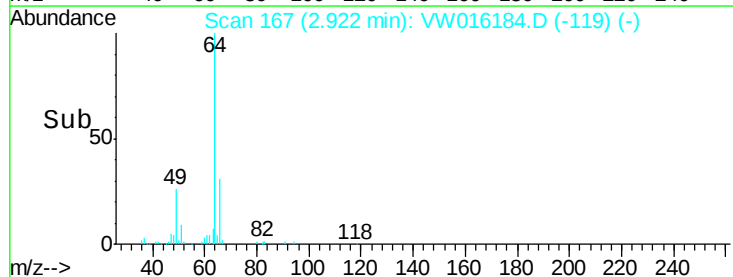
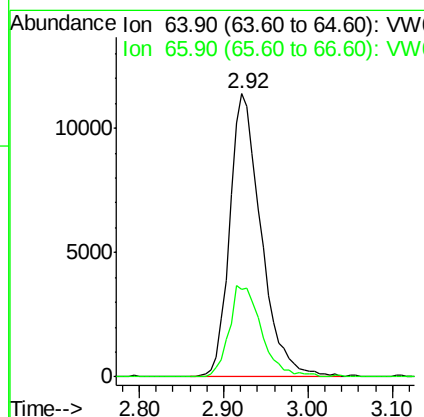
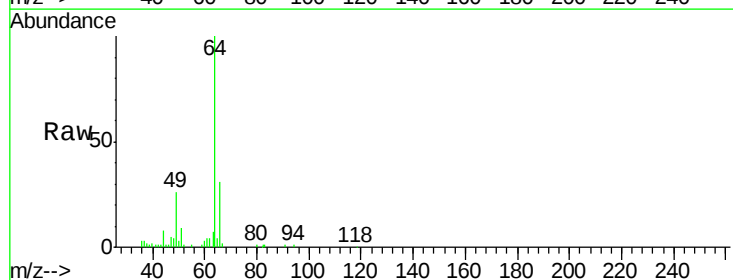
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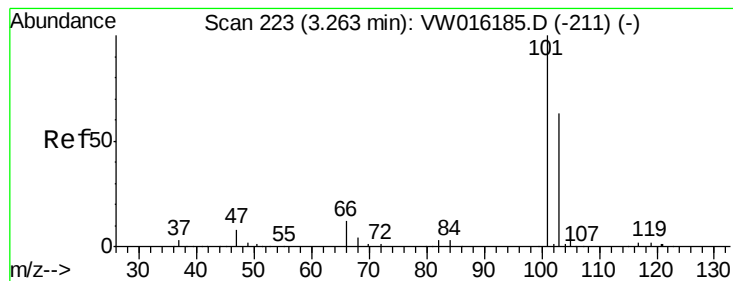
Tgt Ion: 64 Resp: 28916

Ion Ratio Lower Upper

64 100

66 31.0 26.9 40.3





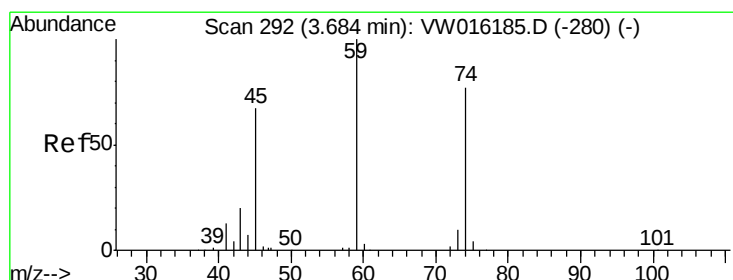
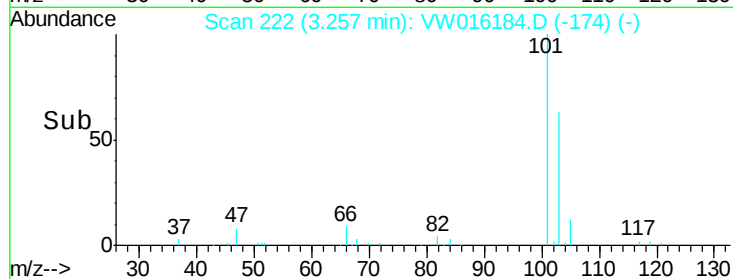
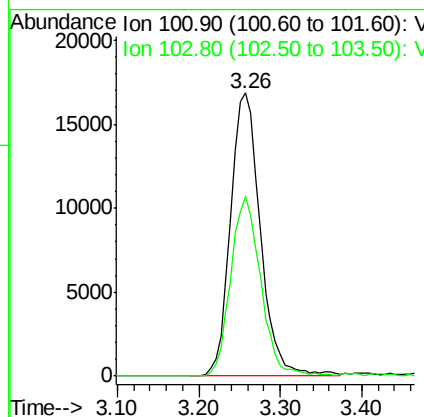
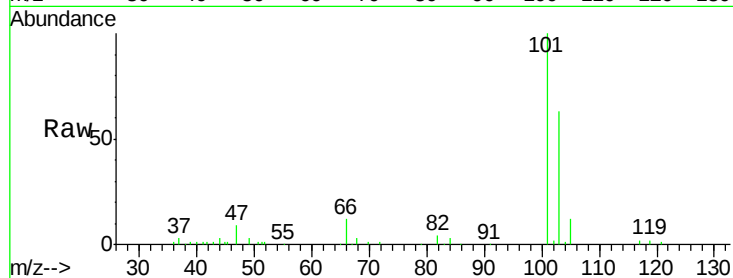
#7
 Trichlorofluoromethane
 Concen: 20.546 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

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Tot Ion:101 Resp: 42623
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.4 75.6

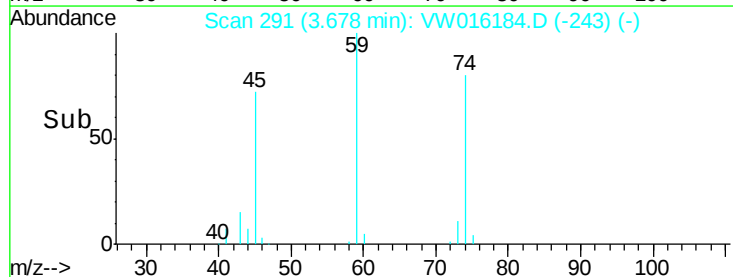
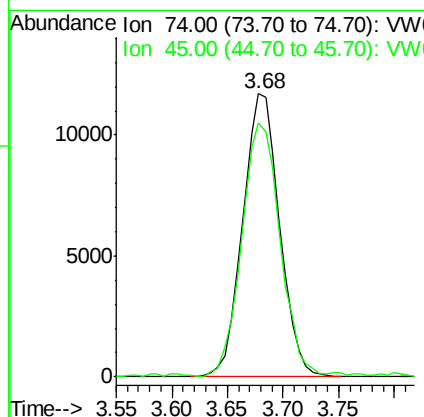
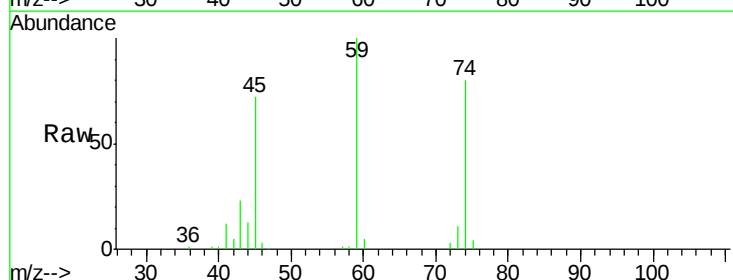
Manual Integrations
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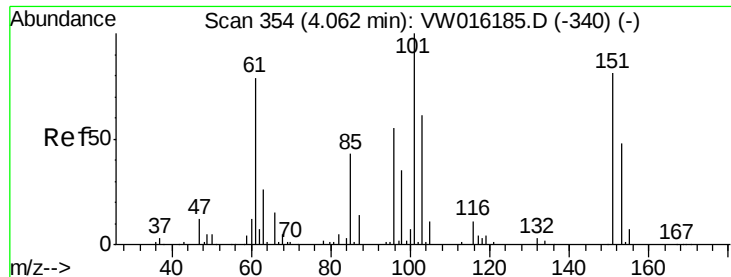
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#8
 Diethyl Ether
 Concen: 20.445 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 74 Resp: 26870
 Ion Ratio Lower Upper
 74 100
 45 94.0 45.9 137.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.013 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

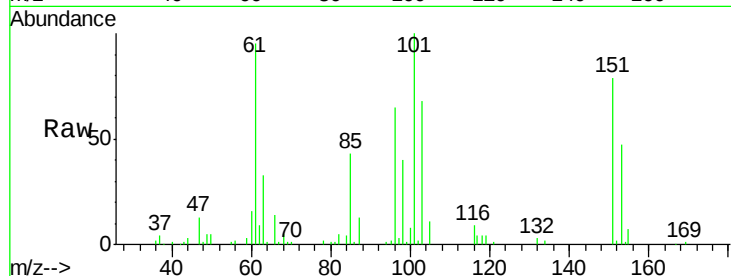
ClientSampleId :

VSTDIC020

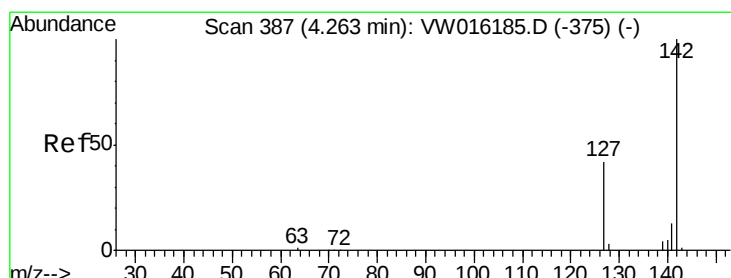
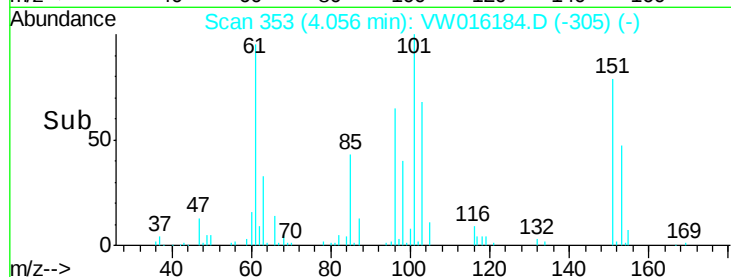
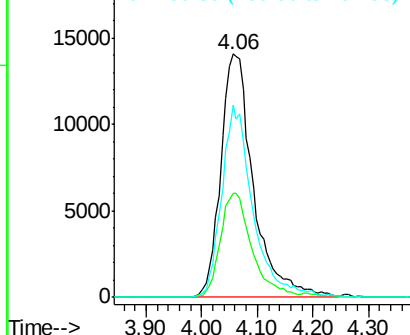
Tot Ion:	101	Resp:	57276
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.3	49.9
151	75.2	61.1	91.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.984 ug/l

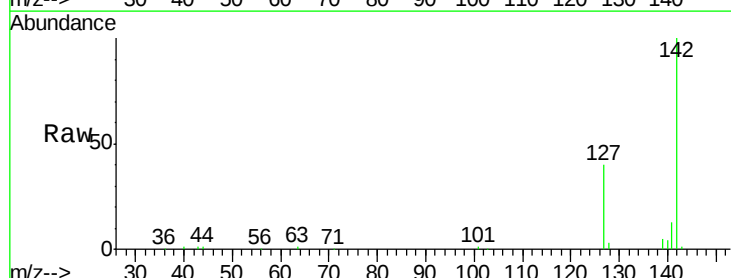
RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

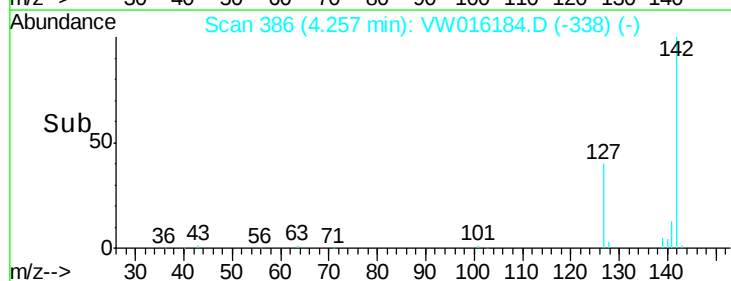
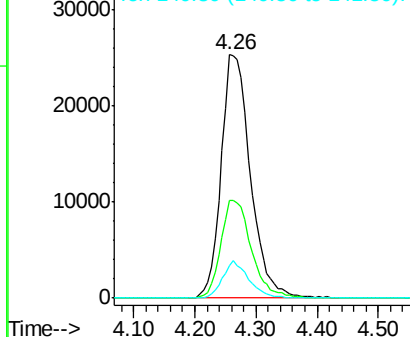
Lab File: VW016184.D

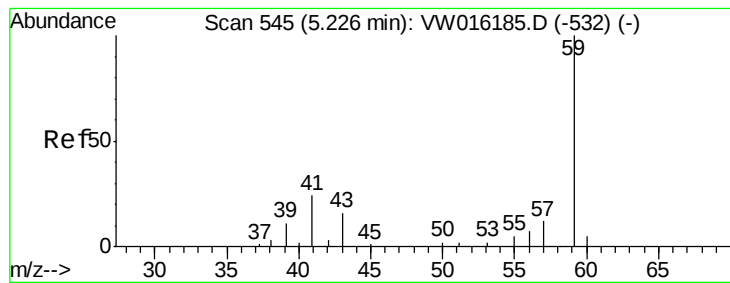
Acq: 14 Aug 2020 10:37

Tgt Ion:	142	Resp:	83878
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.6	52.0
141	13.7	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

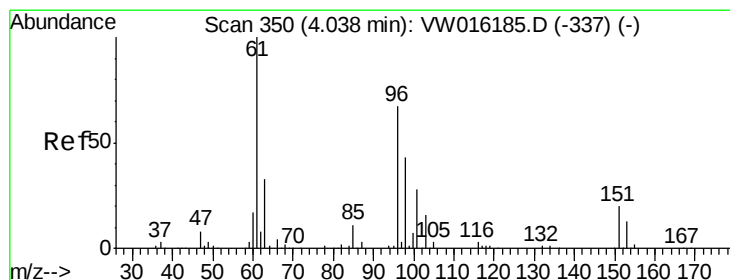
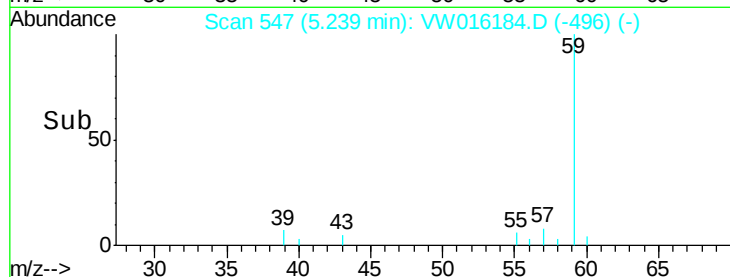
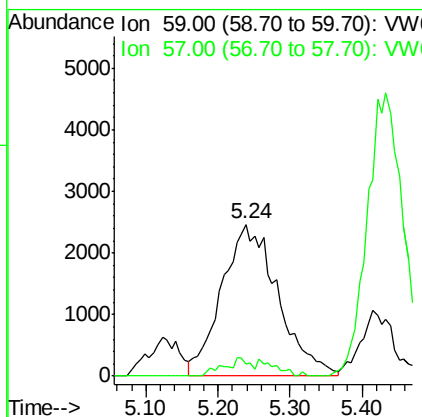
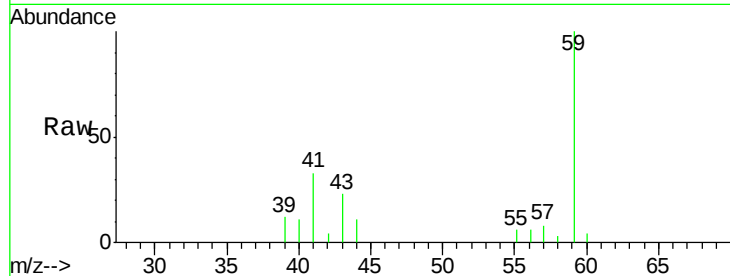
Tert butyl alcohol
 Concen: 88.752 ug/l
 RT: 5.24 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	59	Resp	13277
Ion Ratio	100	Lower	Upper
59	100		
57	5.6	9.0	13.6#

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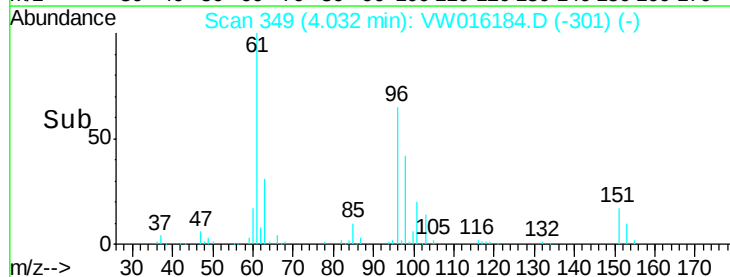
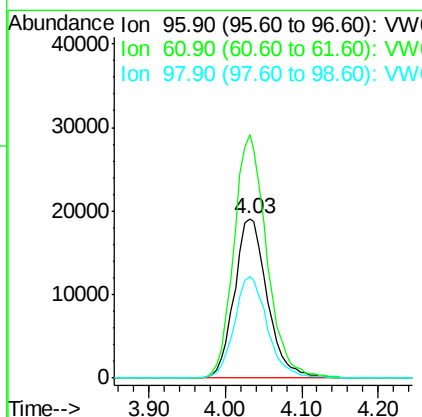
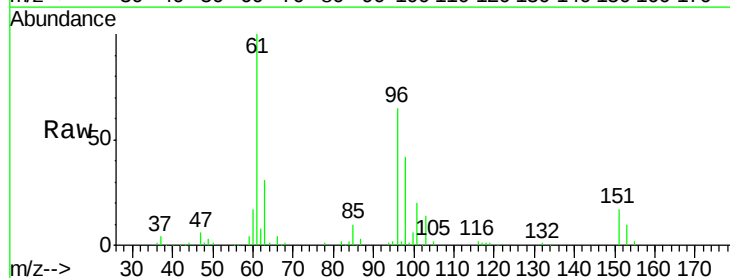
MMDadoda
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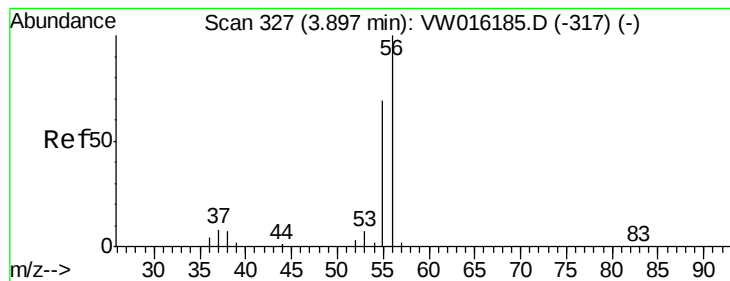


#12

1,1-Dichloroethene
 Concen: 23.117 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion	96	Resp	56998
Ion Ratio	100	Lower	Upper
96	100		
61	152.9	119.5	179.3
98	63.7	51.3	76.9





#13

Acrolein

Concen: 105.219 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 19921

Ion Ratio Lower Upper

56 100

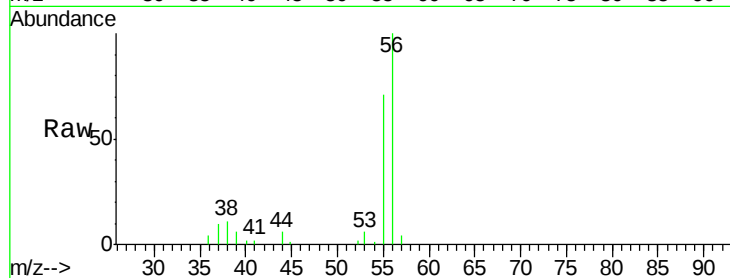
55 72.9 55.0 82.6

Manual Integrations

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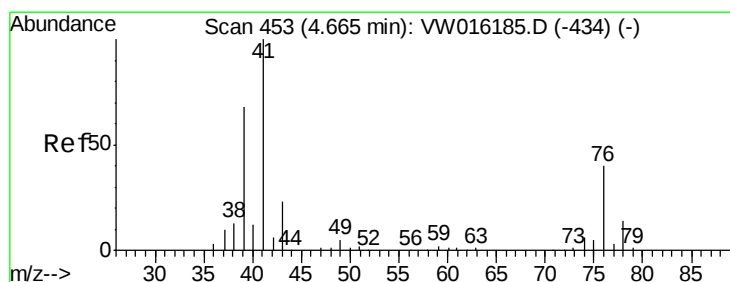
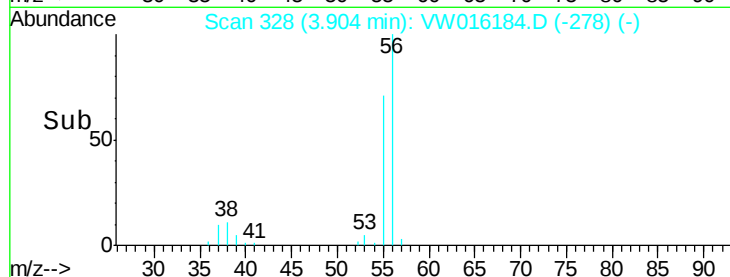
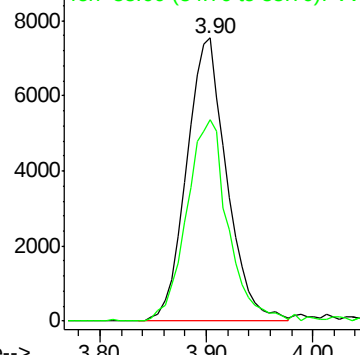
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.863 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

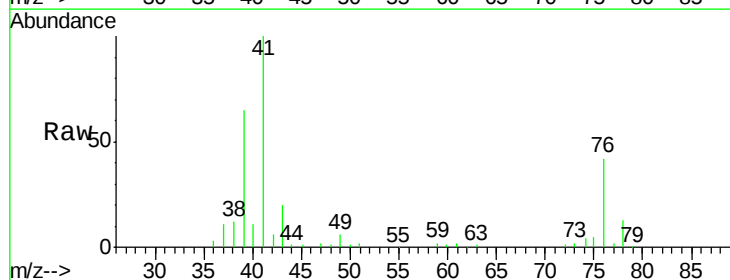
Tgt Ion: 41 Resp: 76961

Ion Ratio Lower Upper

41 100

39 67.2 53.4 80.0

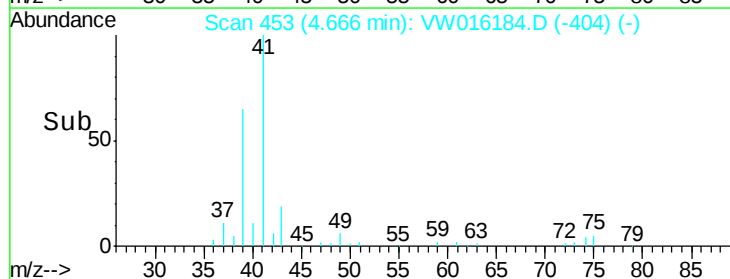
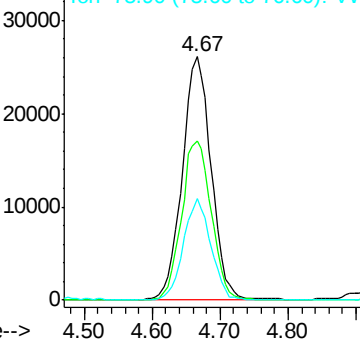
76 39.7 32.0 48.0

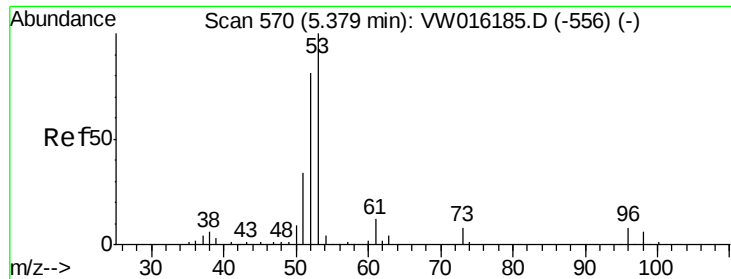


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.241 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

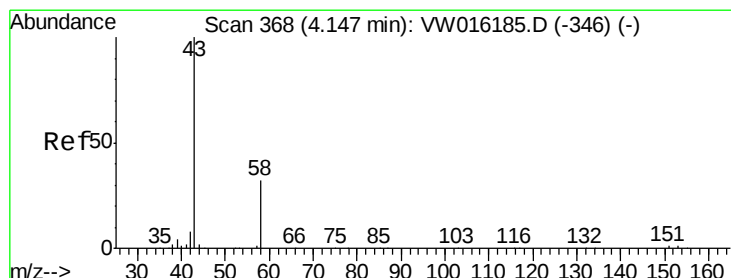
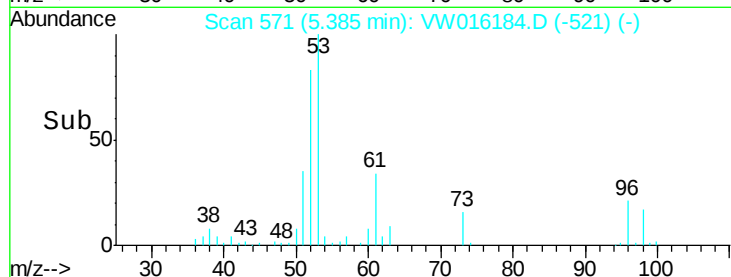
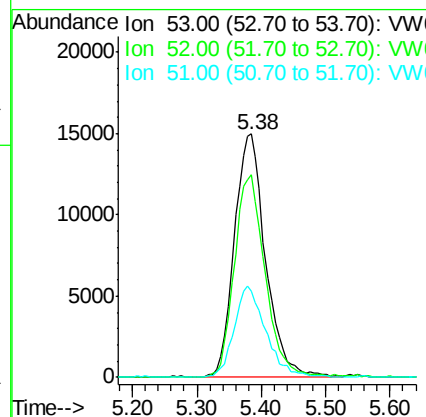
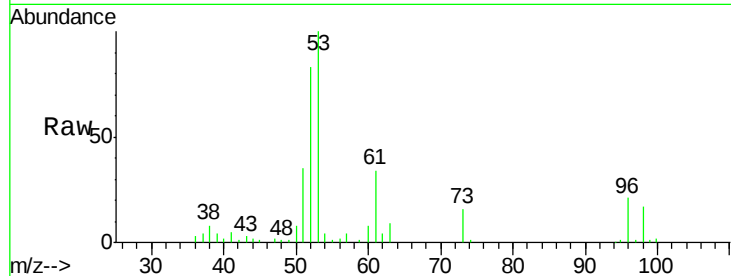
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	50709
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	37.7	29.0	43.4

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#16

Acetone

Concen: 84.672 ug/l

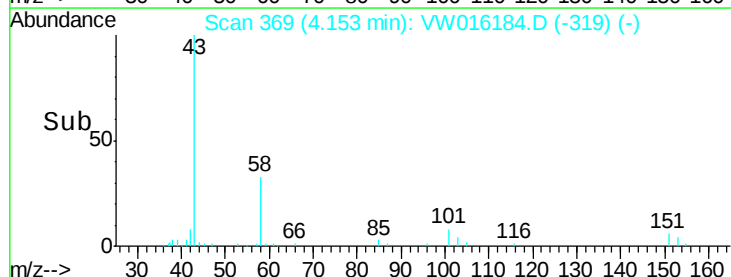
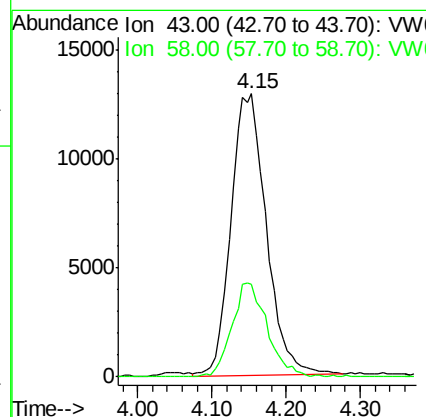
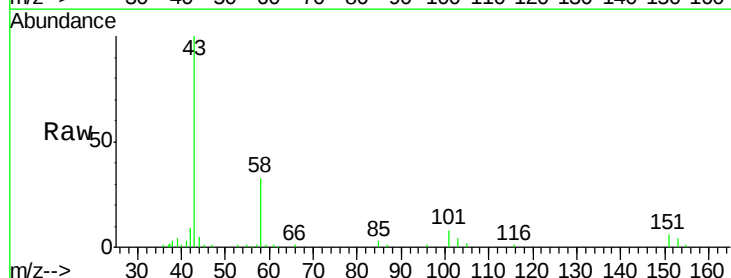
RT: 4.15 min Scan# 369

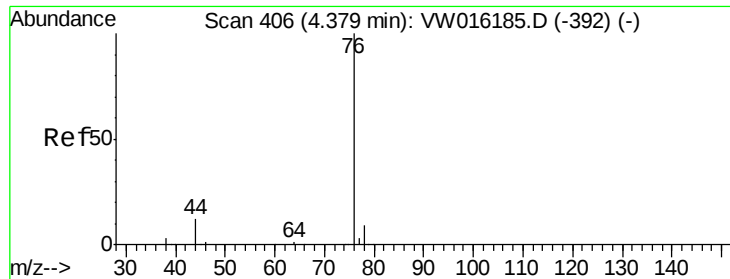
Delta R.T. 0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Tgt Ion:	43	Resp:	42938
Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.8	38.6





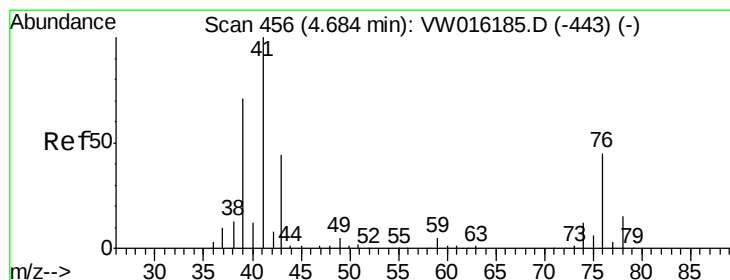
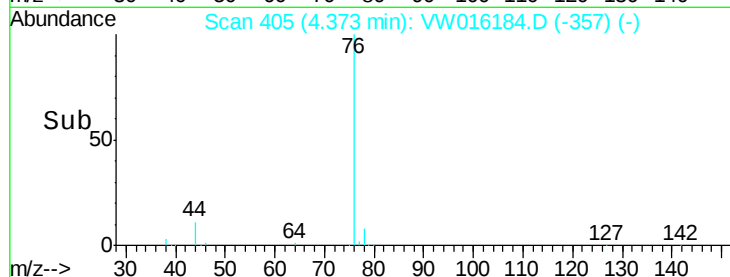
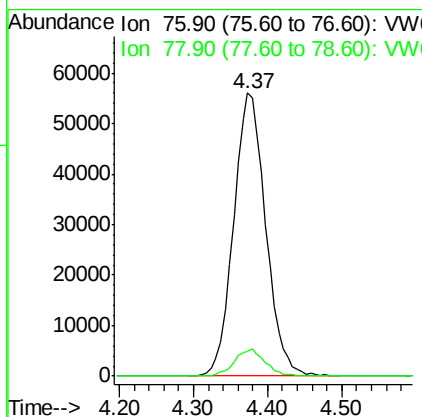
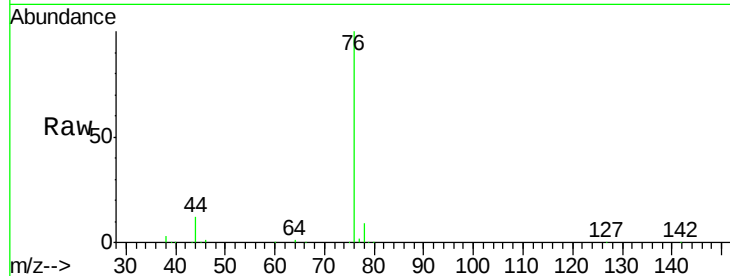
#17
Carbon Disulfide
Concen: 23.186 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

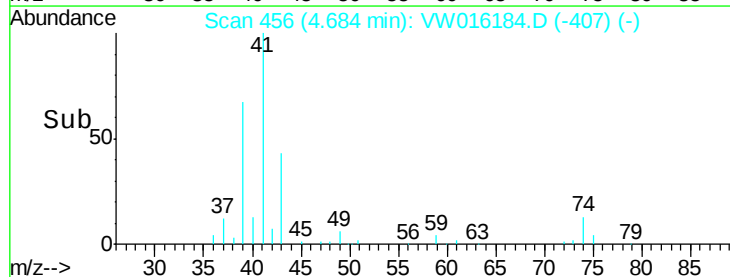
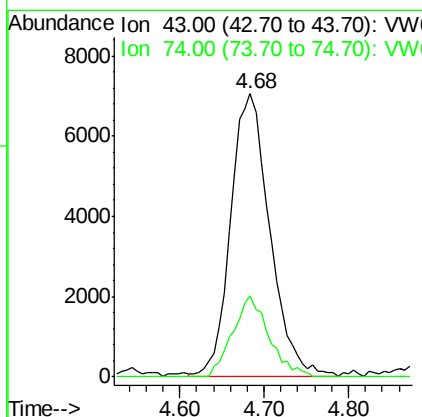
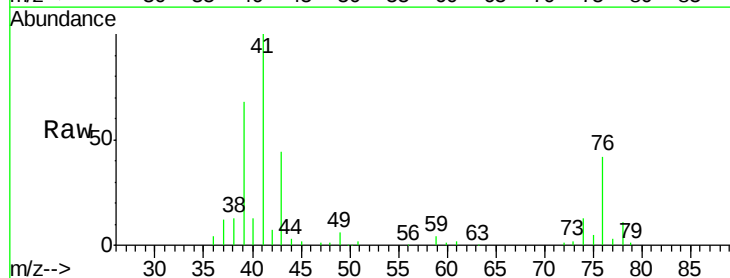
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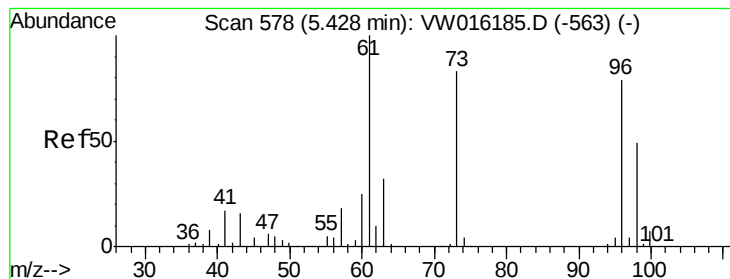
MMDadoda
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#18
Methyl Acetate
Concen: 19.300 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.6	31.0





#19

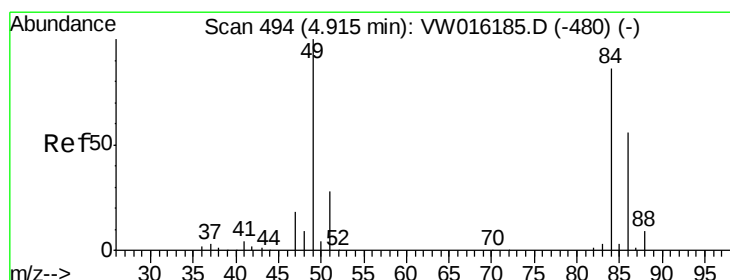
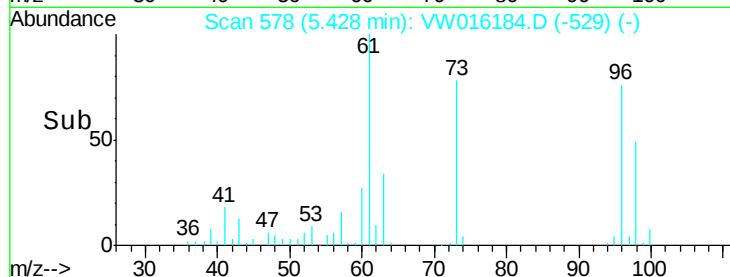
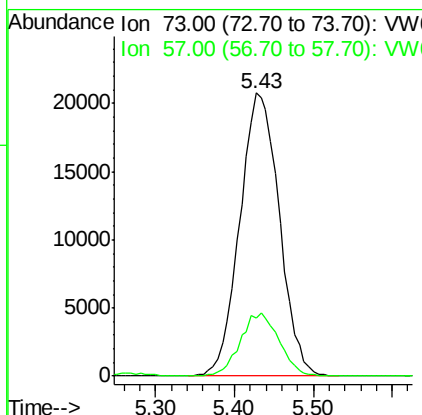
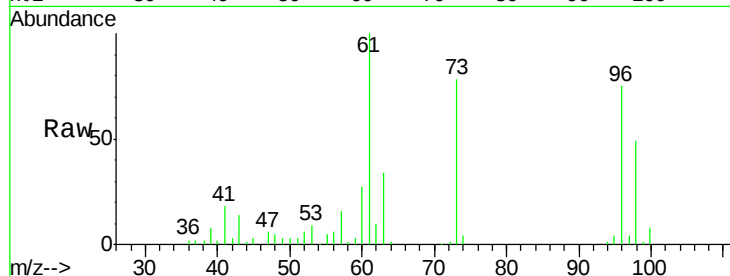
Methyl tert-butyl Ether
 Concen: 20.108 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.2	25.8

Manual Integrations
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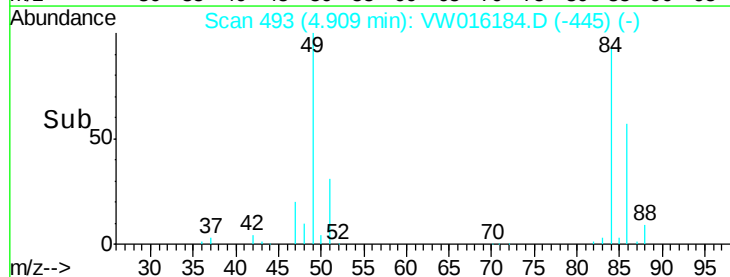
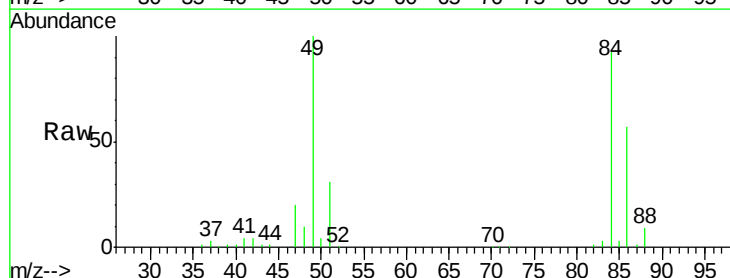
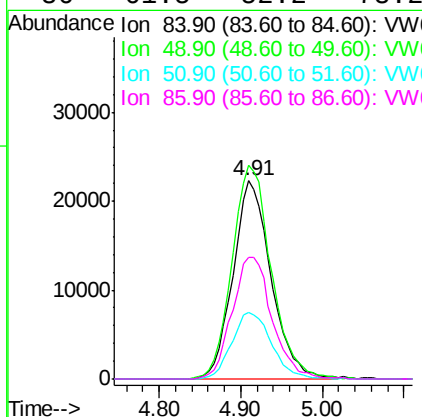
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 8/17/2020 5:46:26 PM

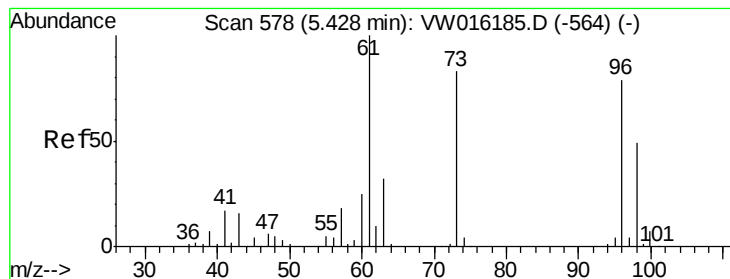


#20

Methylene Chloride
 Concen: 23.963 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.7	93.4	140.2
51	33.4	26.6	40.0
86	61.5	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 22.249 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 63041

Ion Ratio Lower Upper

96 100

61 127.4 101.4 152.0

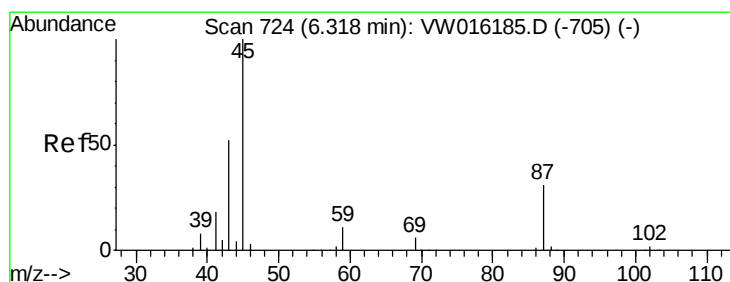
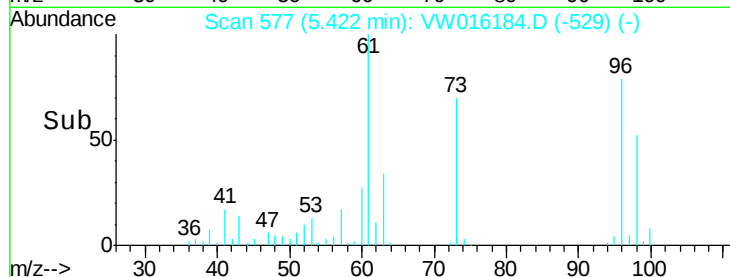
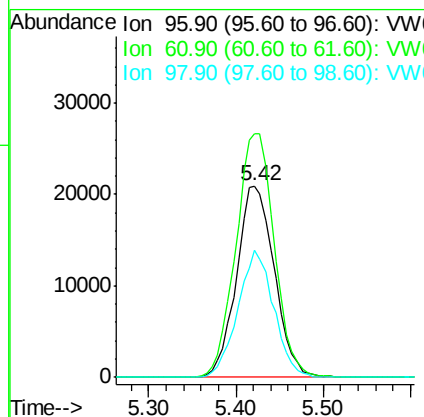
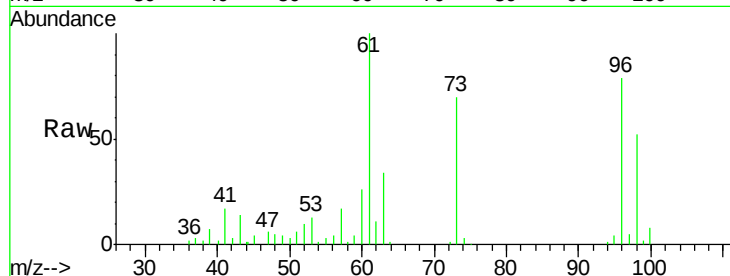
98 66.2 49.4 74.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.640 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Tgt Ion: 45 Resp: 152289

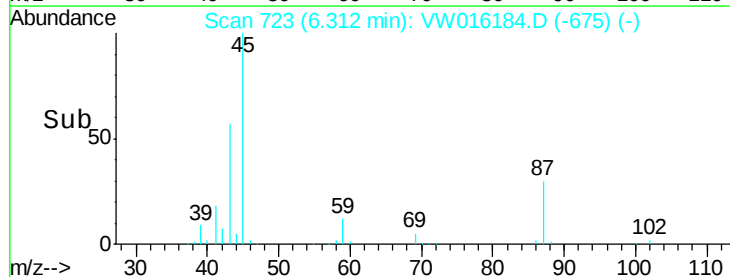
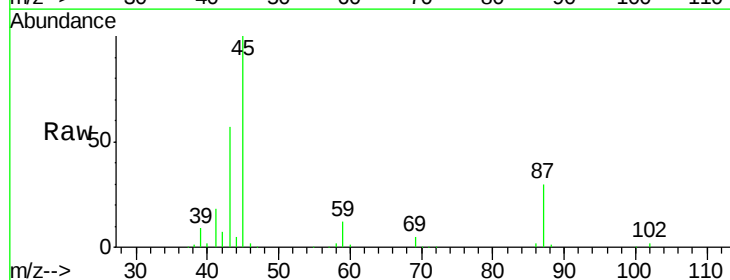
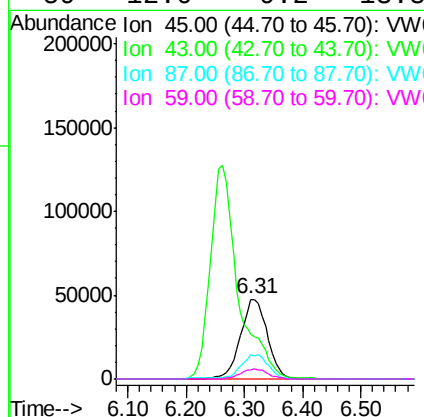
Ion Ratio Lower Upper

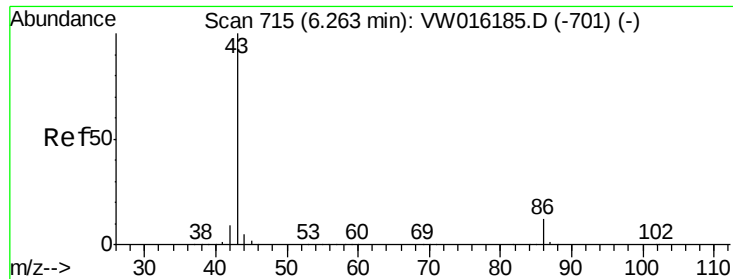
45 100

43 56.1 41.7 62.5

87 30.4 25.0 37.6

59 12.0 9.2 13.8





#23

Vinyl Acetate

Concen: 91.918 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 423675

Ion Ratio Lower Upper

43 100

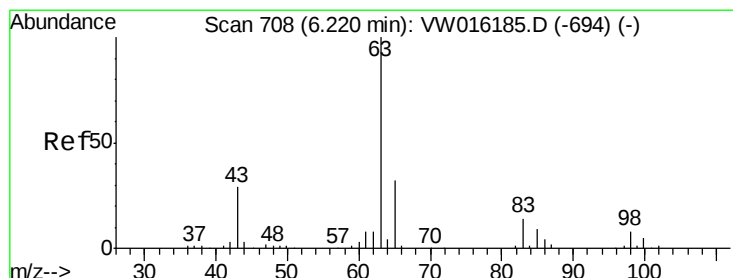
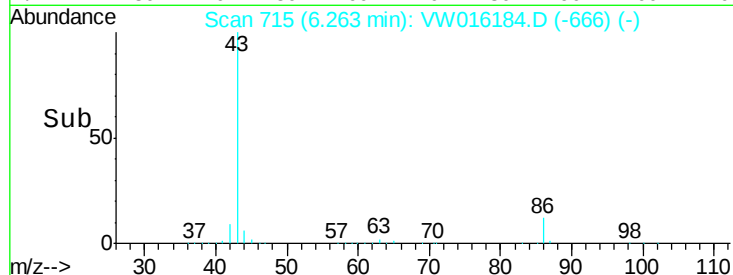
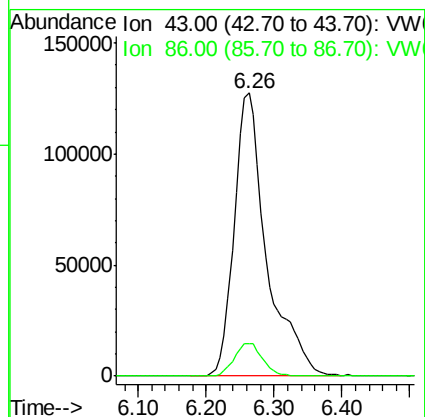
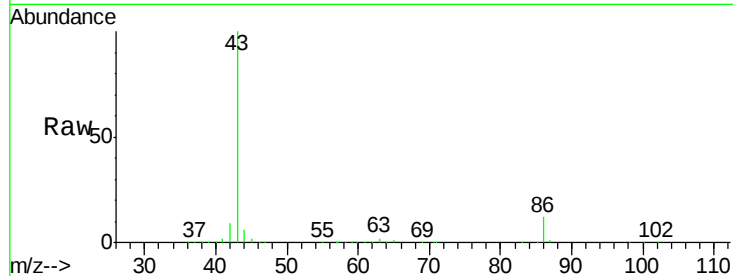
86 11.6 9.8 14.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.511 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

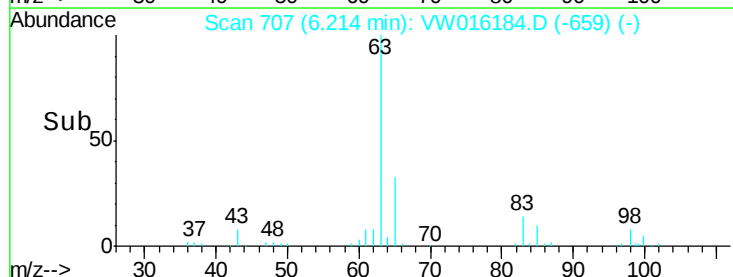
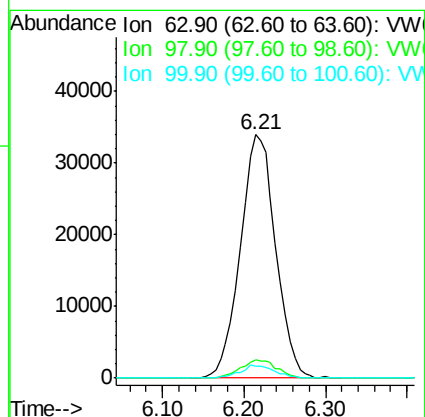
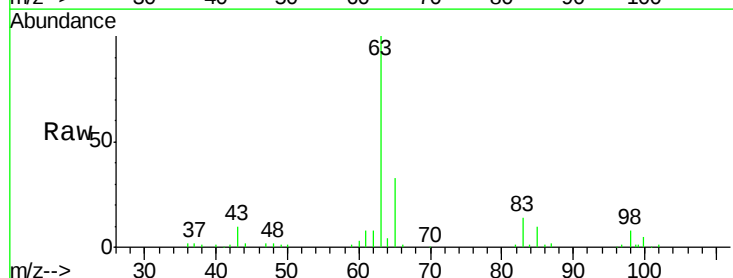
Tgt Ion: 63 Resp: 101959

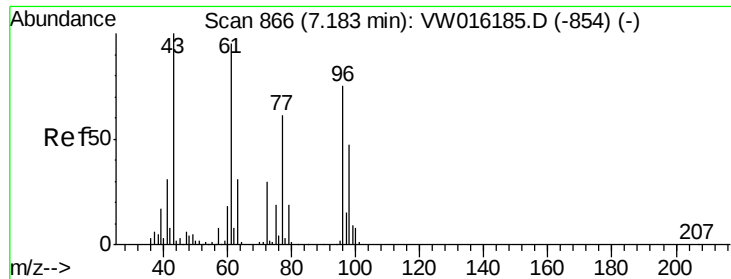
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

100 5.0 2.6 8.0





#25

2-Butanone

Concen: 91.041 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 62388

Ion Ratio Lower Upper

43 100

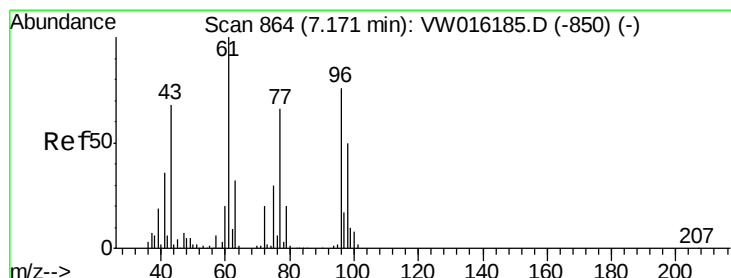
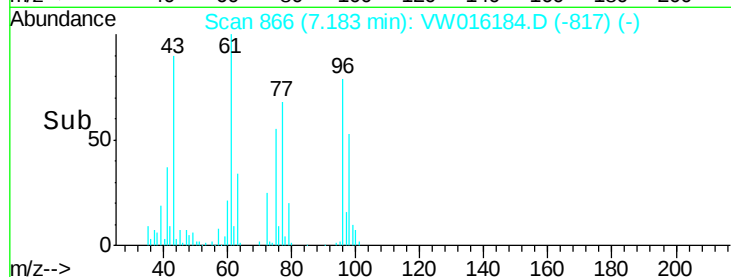
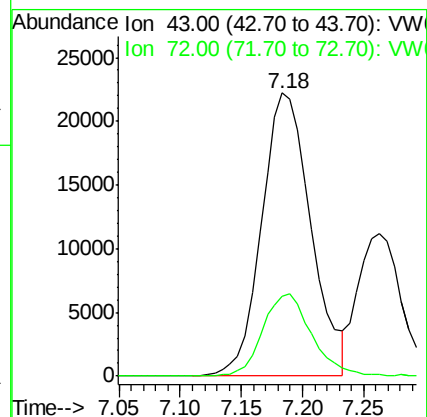
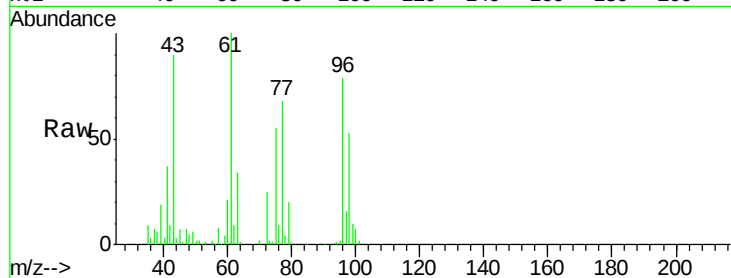
72 28.0 24.2 36.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.107 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016184.D

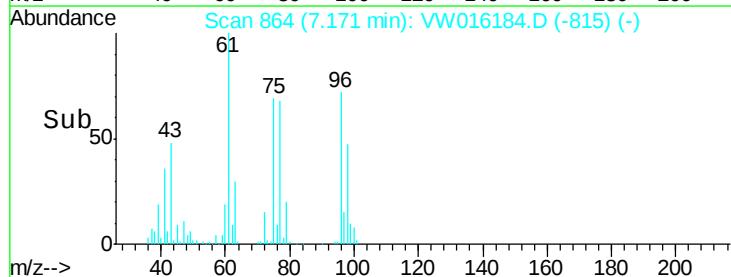
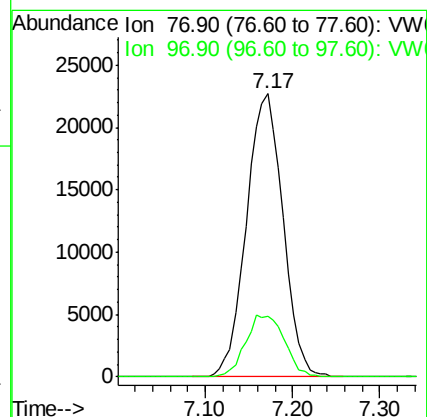
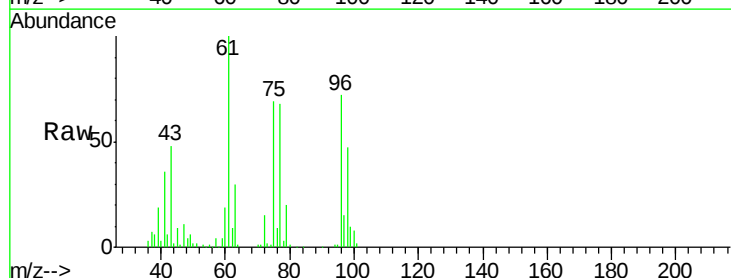
Acq: 14 Aug 2020 10:37

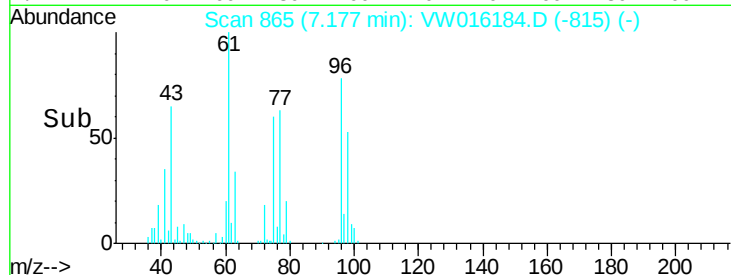
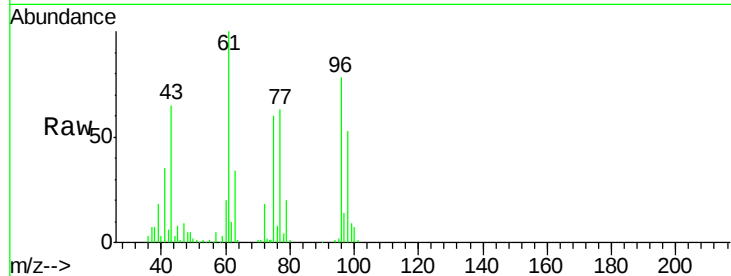
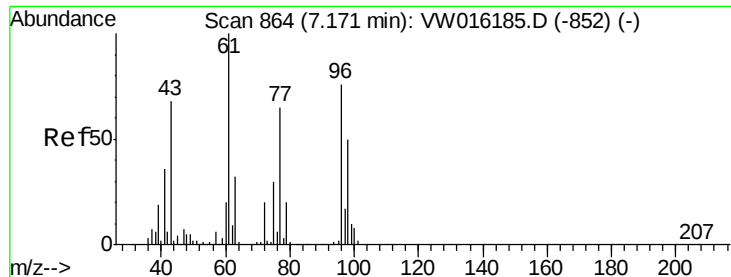
Tgt Ion: 77 Resp: 65944

Ion Ratio Lower Upper

77 100

97 23.2 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 21.780 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016184.D

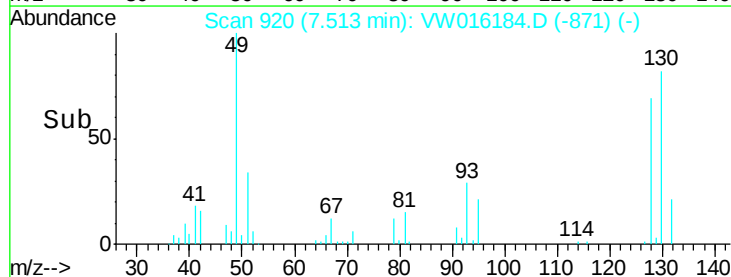
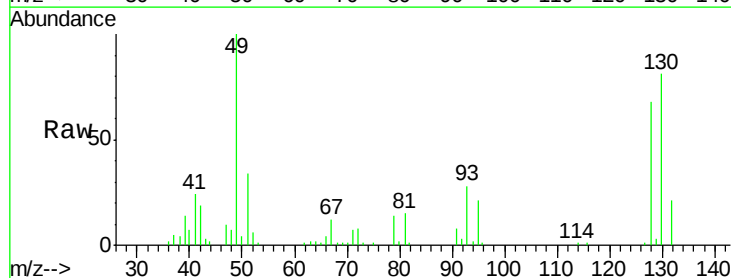
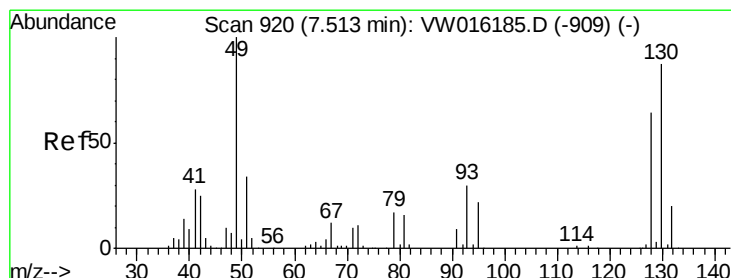
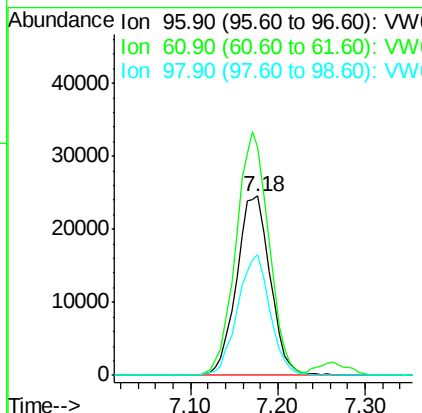
Acq: 14 Aug 2020 10:37

Tot Ion:	96	Resp:	65554
Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	267.0
98	64.7	0.0	129.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Manual Integrations
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#28

Bromochloromethane

Concen: 19.744 ug/l

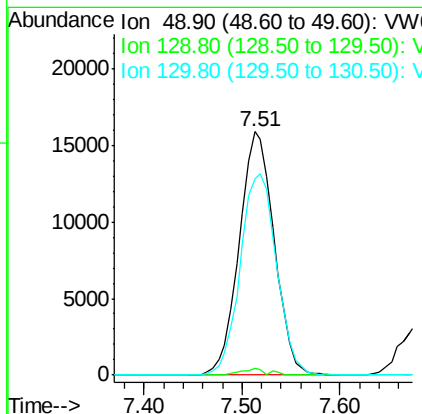
RT: 7.51 min Scan# 920

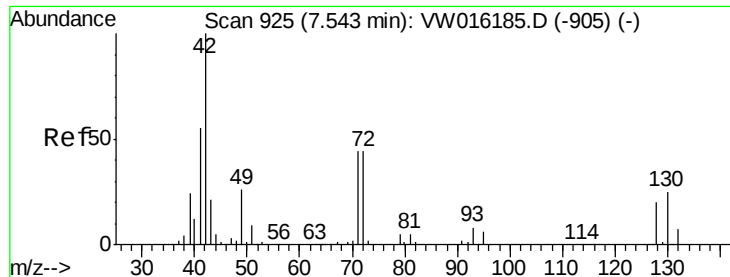
Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Tgt Ion:	49	Resp:	39514
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.2
130	85.9	69.9	104.9





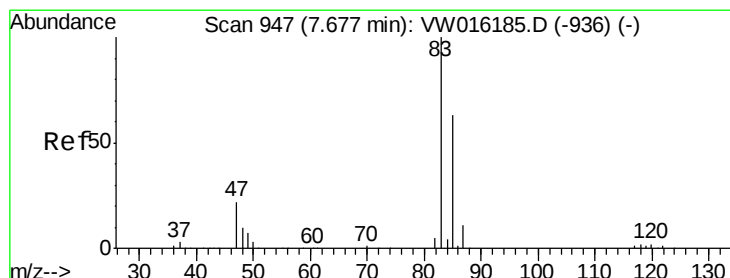
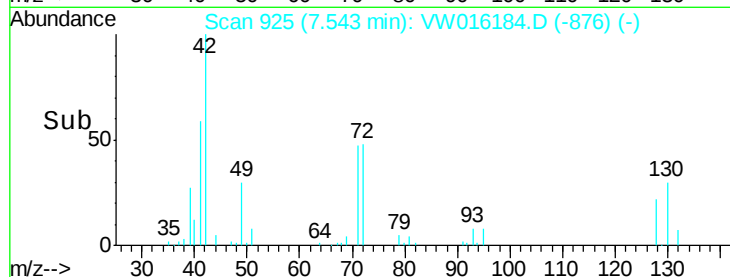
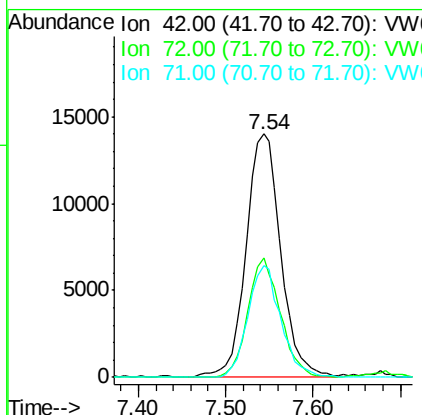
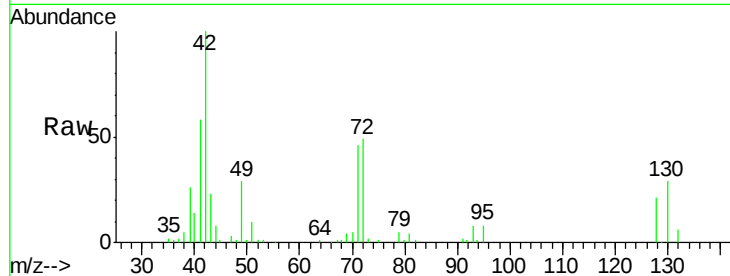
#29
Tetrahydrofuran
Concen: 92.911 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.4	56.2
71	43.9	35.6	53.4

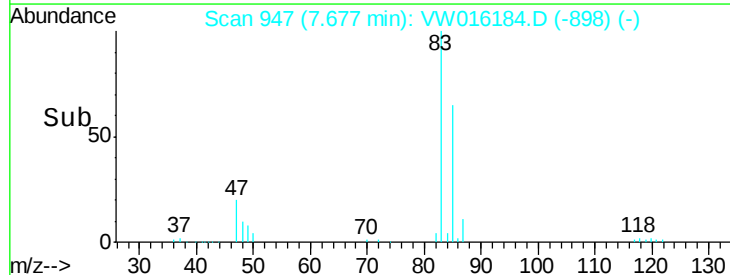
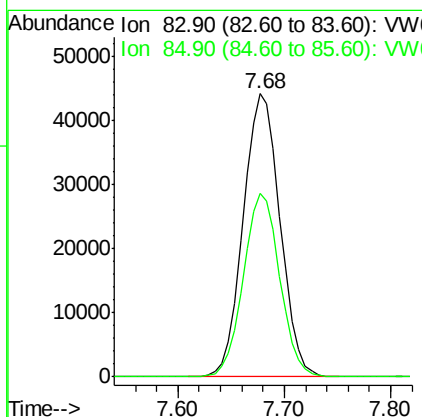
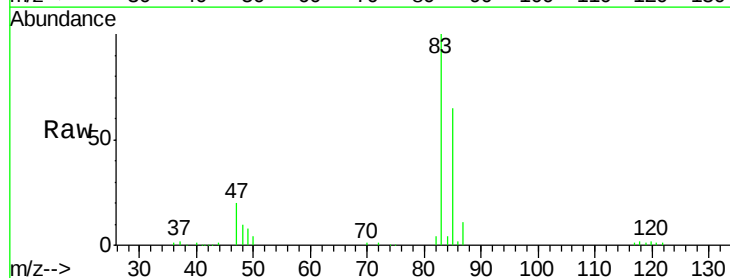
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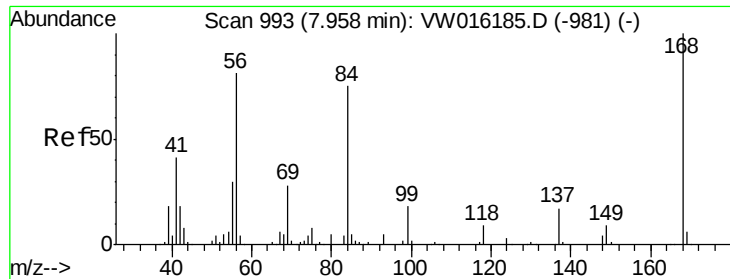
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8/17/2020 5:46:26 PM



#30
Chloroform
Concen: 21.061 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.0	75.0





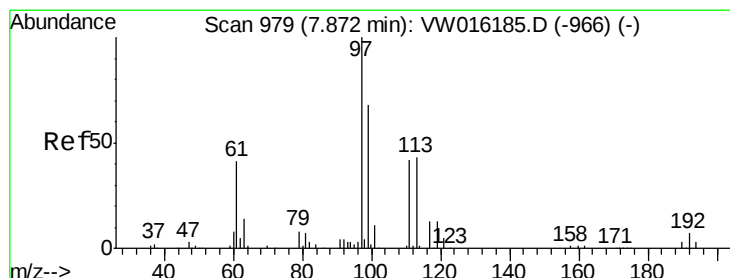
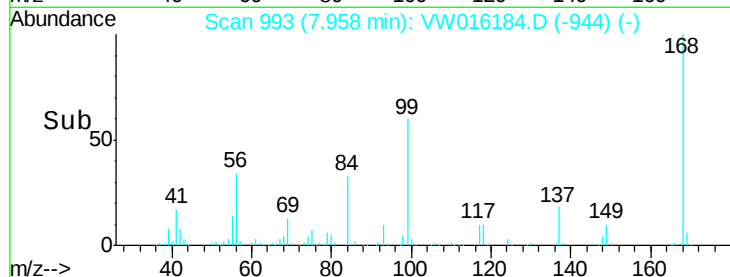
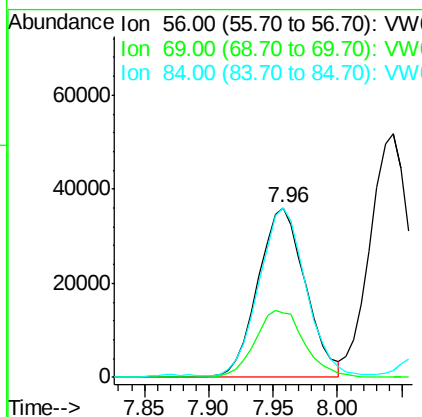
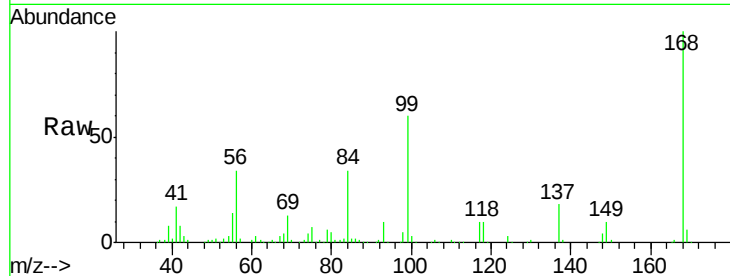
#31
Cyclohexane
Concen: 19.653 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	27.3	40.9
84	98.1	73.5	110.3

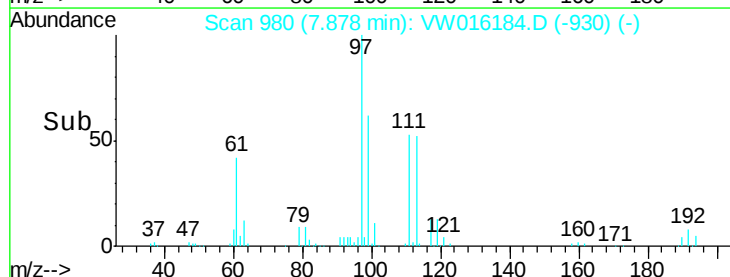
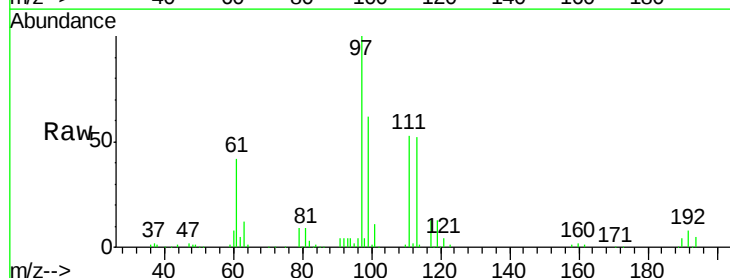
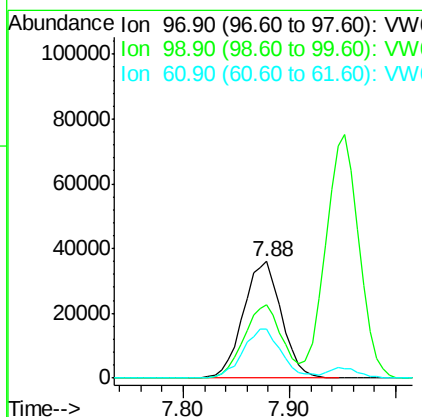
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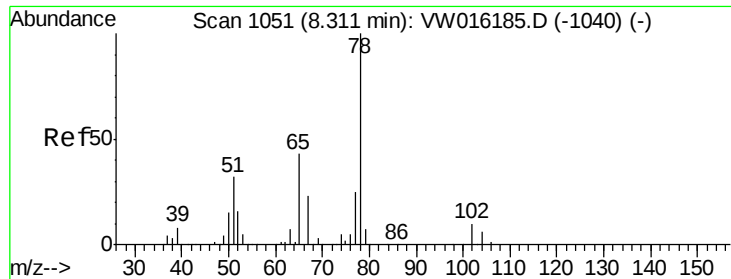
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.119 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.3	76.9
61	42.5	33.2	49.8





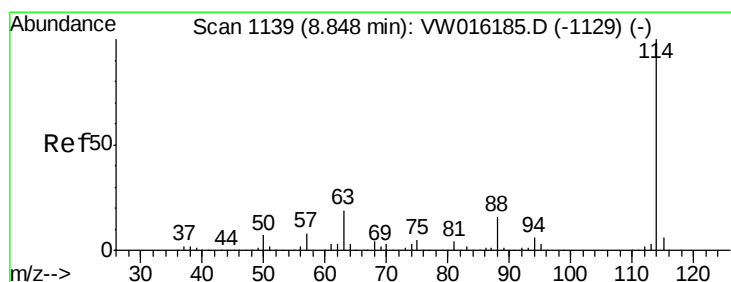
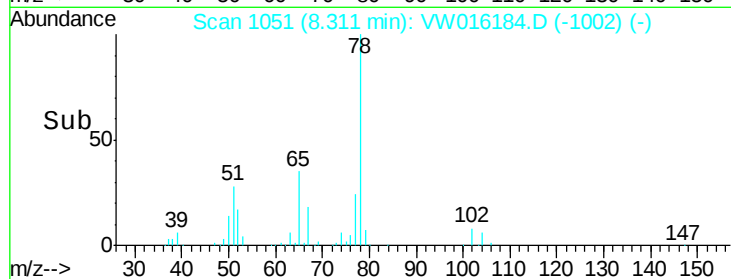
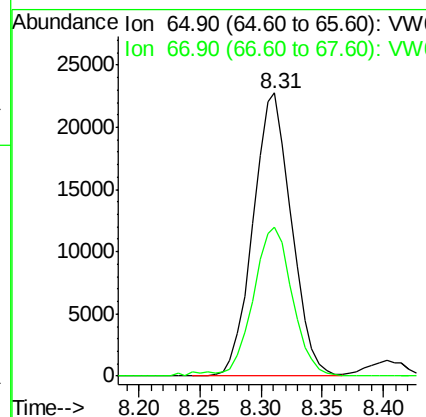
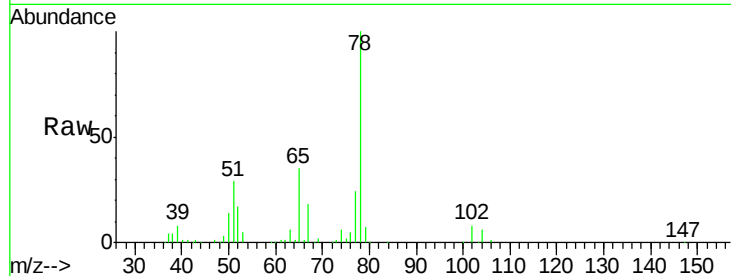
#33
 1,2-Dichloroethane-d4
 Concen: 18.127 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	49710		
67	54.2	0.0	105.6	

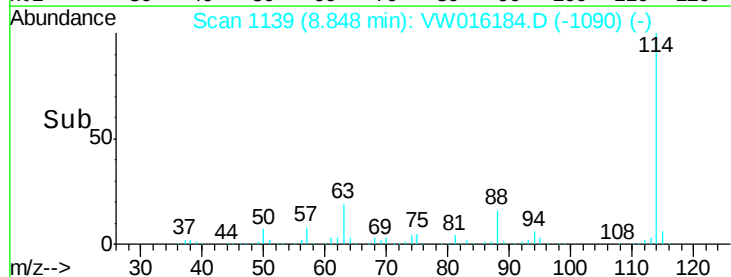
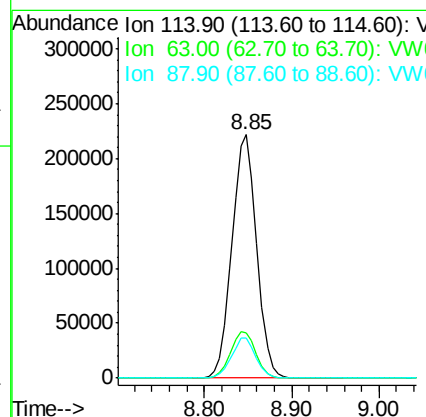
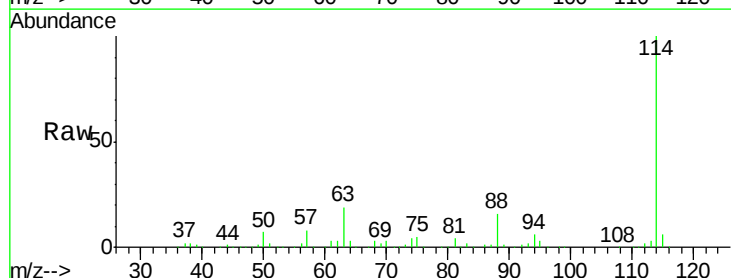
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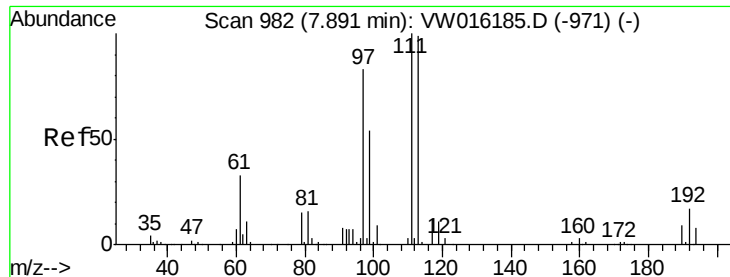
MMDadoda
 8/17/2020 5:46:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	433895		
63	18.8	0.0	38.4	
88	16.2	0.0	32.8	





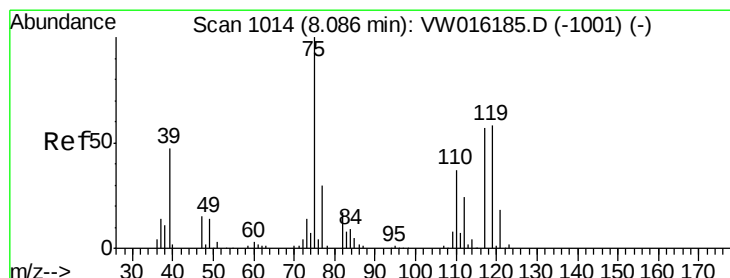
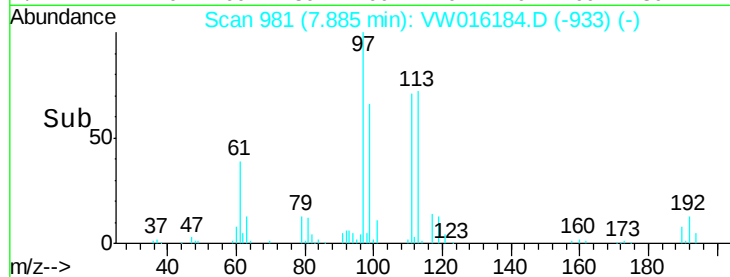
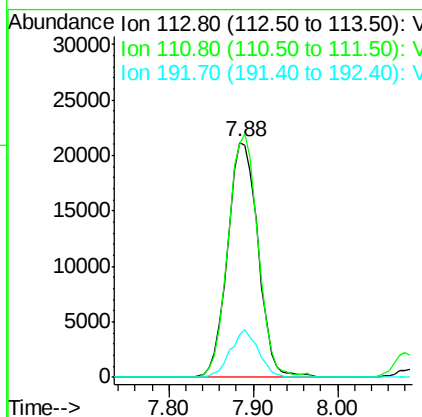
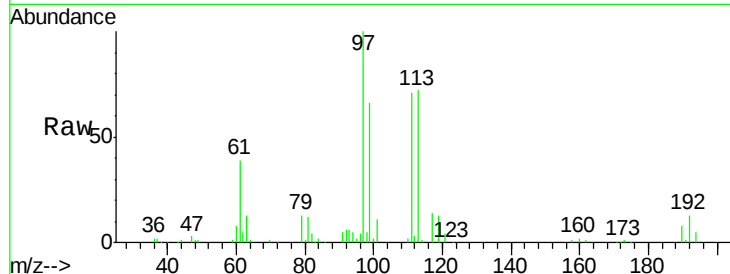
#35
 Dibromofluoromethane
 Concen: 19.991 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.5	125.3
192	18.3	14.3	21.5

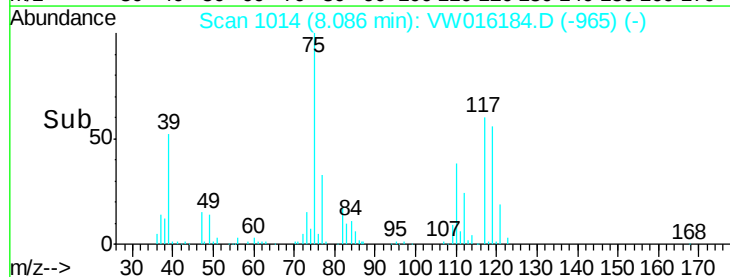
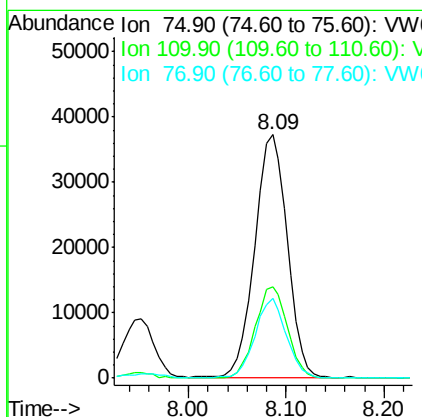
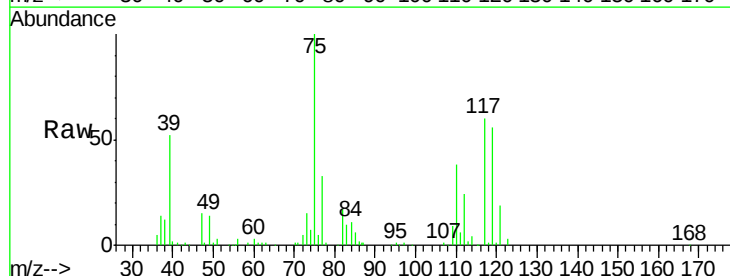
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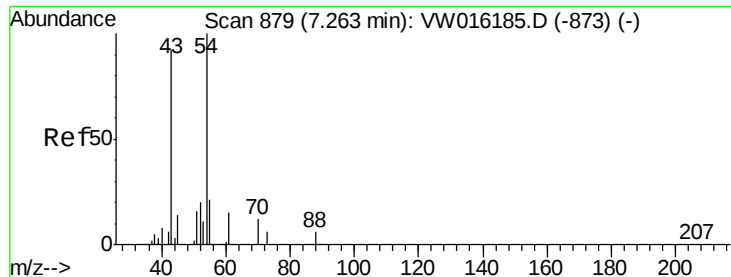
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#36
 1,1-Dichloropropene
 Concen: 20.295 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.1	54.3
77	31.7	24.7	37.1





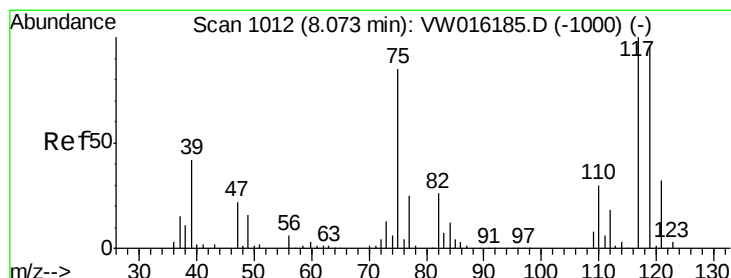
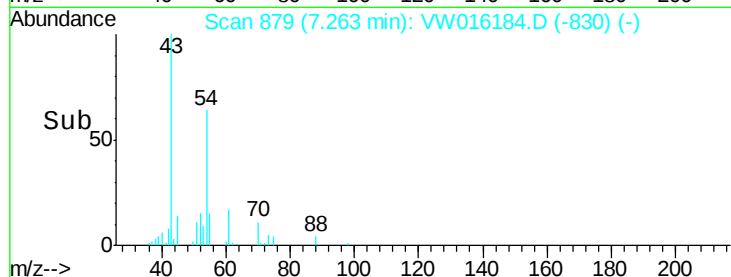
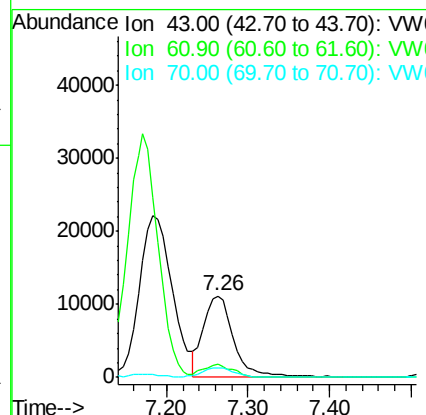
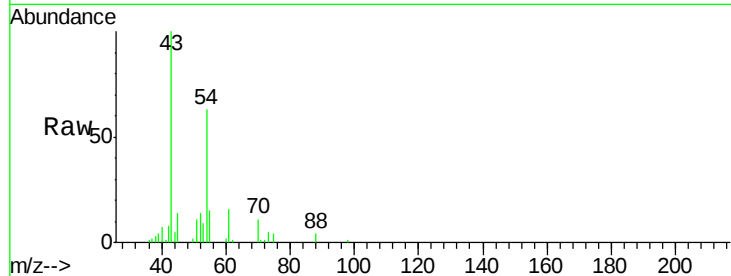
#37
Ethyl Acetate
Concen: 17.374 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.6	18.8
70	12.4	9.8	14.8

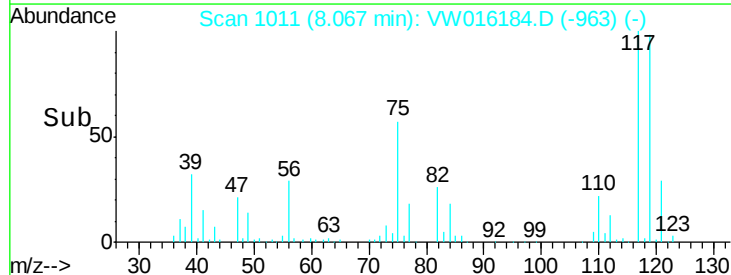
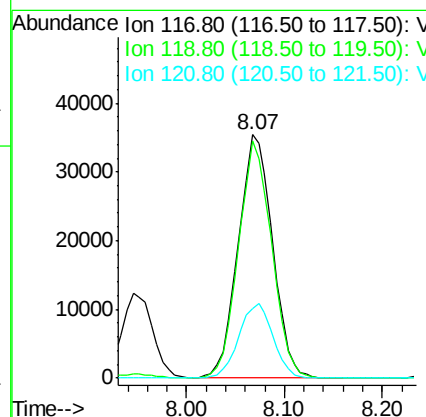
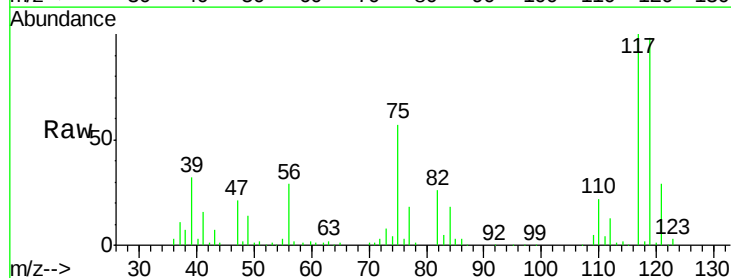
Manual Integrations
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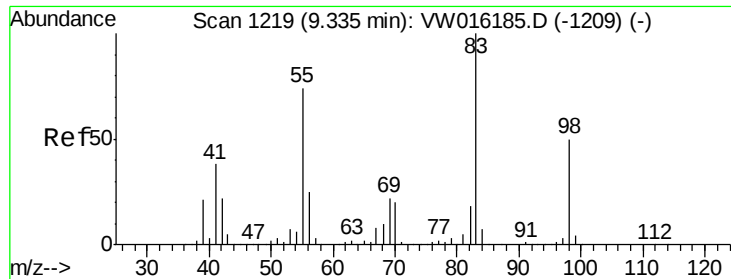
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.903 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.6	115.0
121	28.5	25.4	38.0





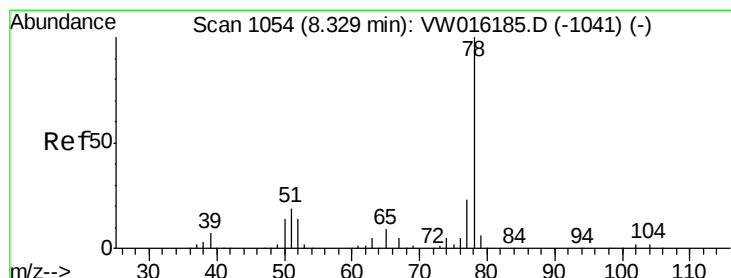
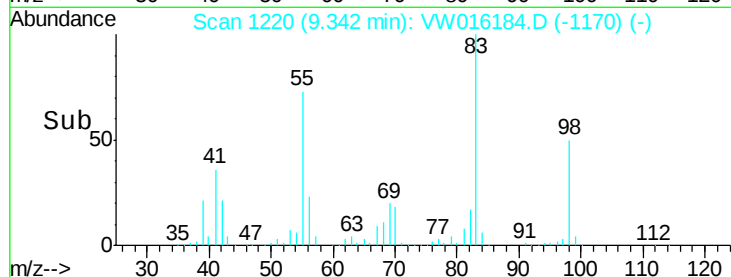
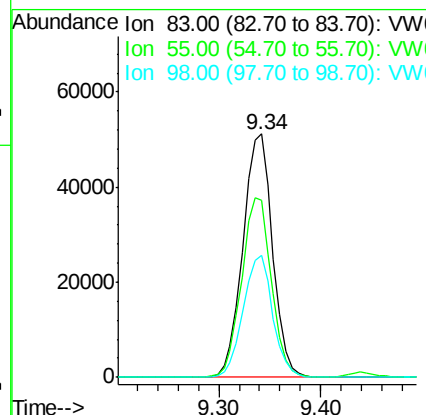
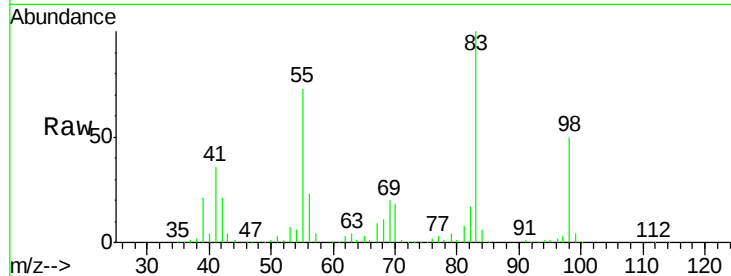
#39
Methvlcvclohexane
Concen: 20.540 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	103154
Ion Ratio	100	Lower	Upper
83	100		
55	72.8	59.2	88.8
98	50.2	40.2	60.2

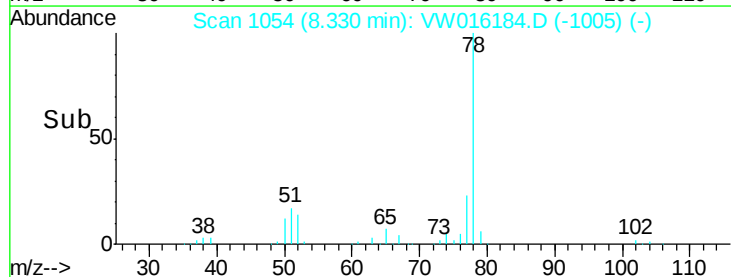
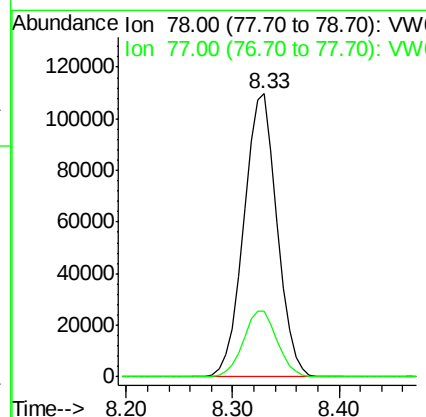
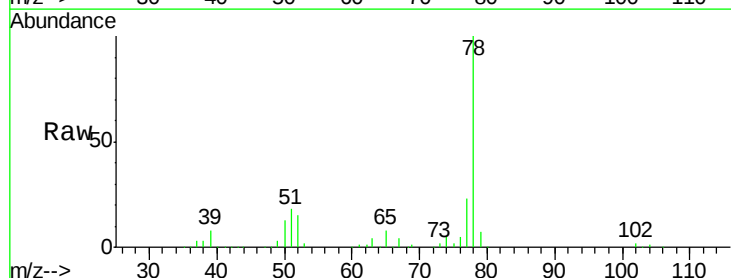
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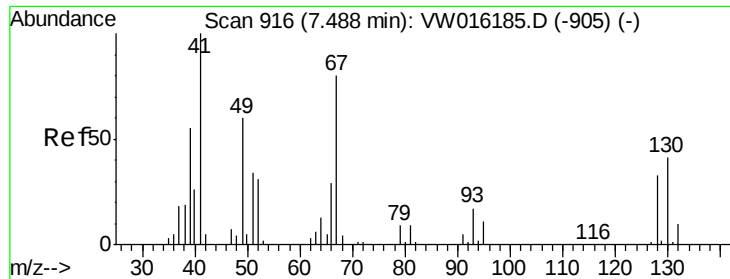
MMDadoda
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#40
Benzene
Concen: 20.612 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	78	Resp	240434
Ion Ratio	100	Lower	Upper
78	100		
77	23.1	18.6	28.0





#41

Methacrylonitrile

Concen: 17.563 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

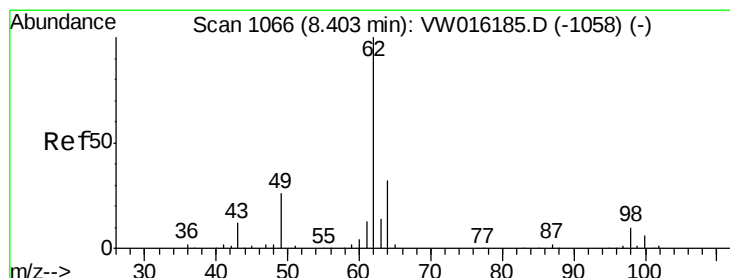
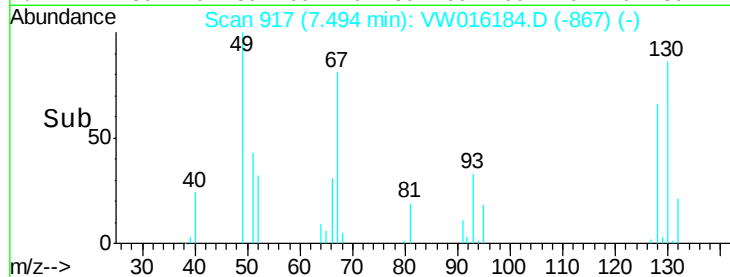
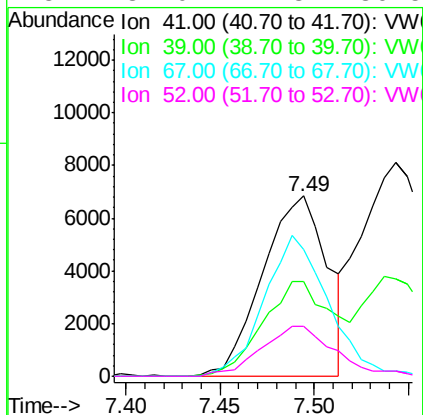
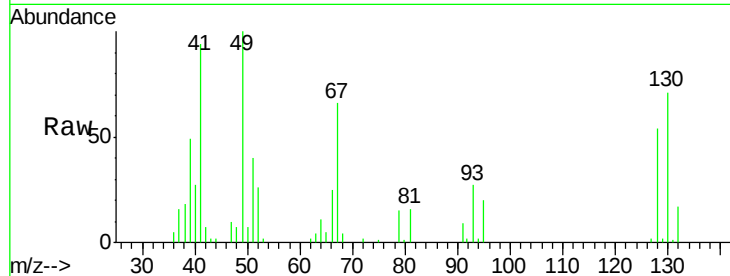
ClientSampled :

VSTDIC020

Tot Ion:	41	Resp:	16354
Ion	Ratio	Lower	Upper
41	100		
39	57.8	43.4	65.2
67	76.7	61.5	92.3
52	32.0	24.3	36.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.081 ug/l

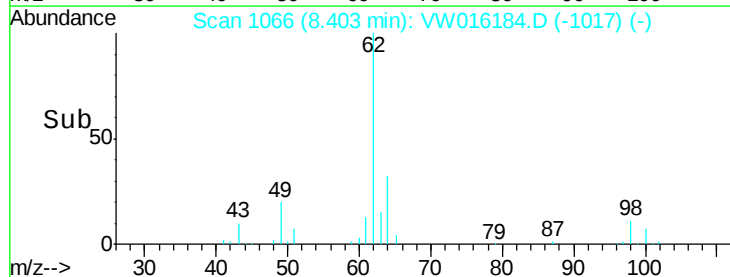
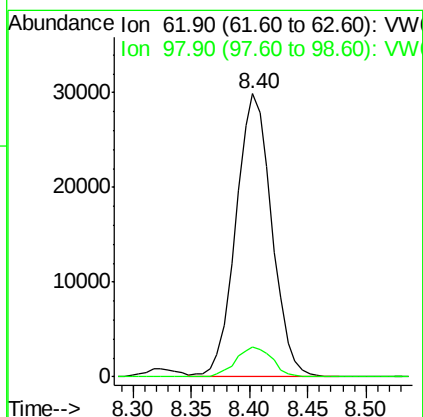
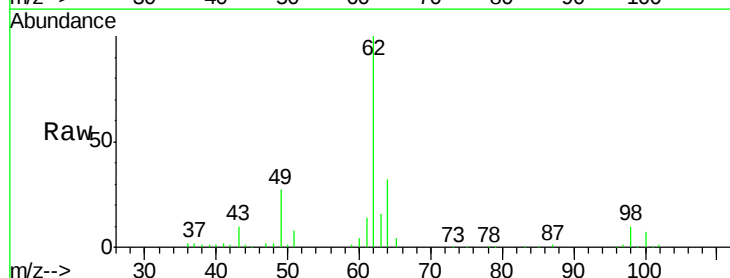
RT: 8.40 min Scan# 1066

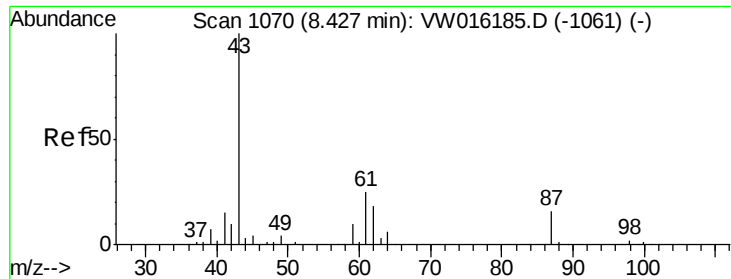
Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Tgt Ion:	62	Resp:	64184
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.8





#43

Isopropyl Acetate

Concen: 16.776 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

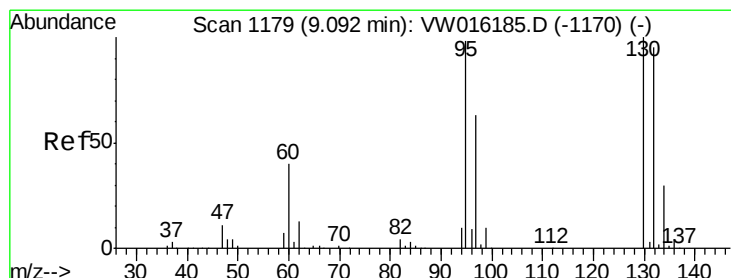
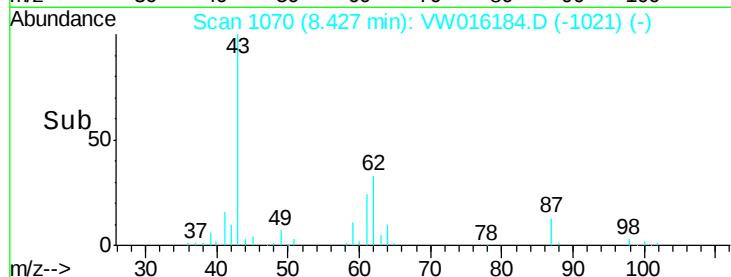
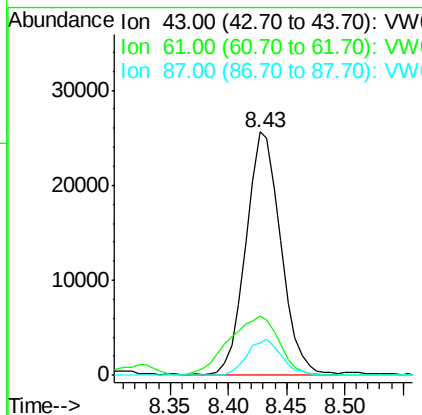
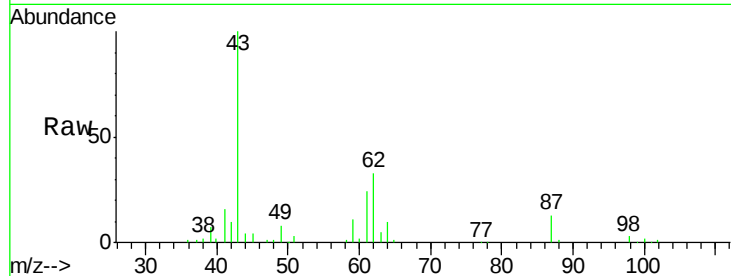
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	53181
Ion	Ratio	Lower	Upper
43	100		
61	35.1	26.9	40.3
87	14.8	12.0	18.0

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#44

Trichloroethene

Concen: 21.371 ug/l

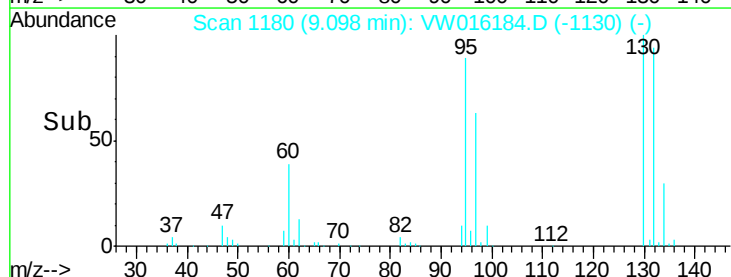
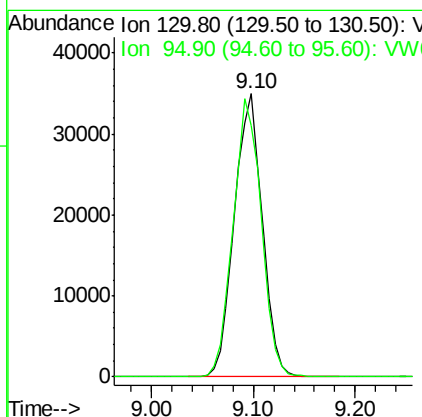
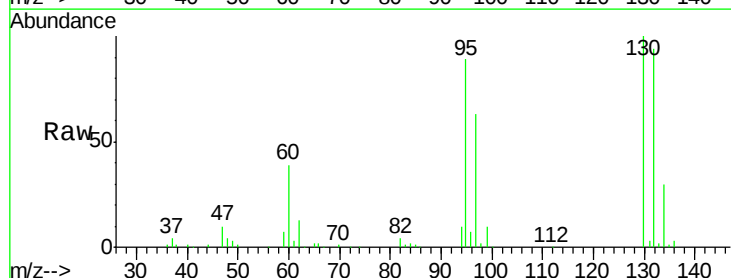
RT: 9.10 min Scan# 1180

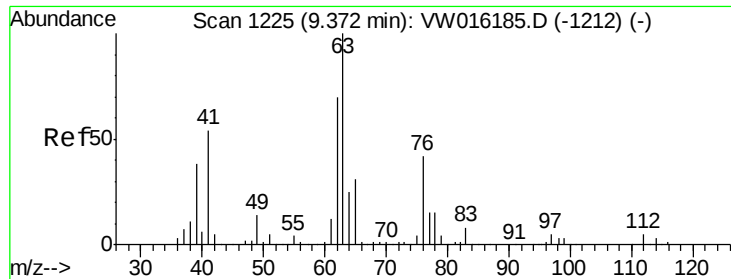
Delta R.T. 0.01 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Tgt Ion:	130	Resp:	66439
Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	196.4





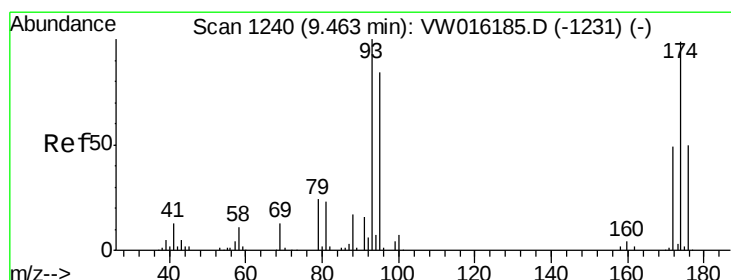
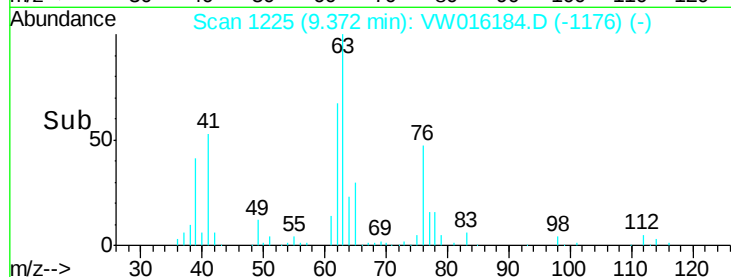
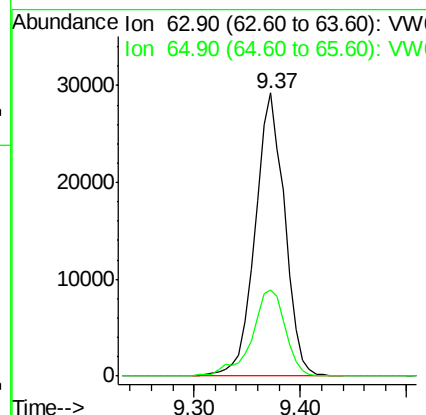
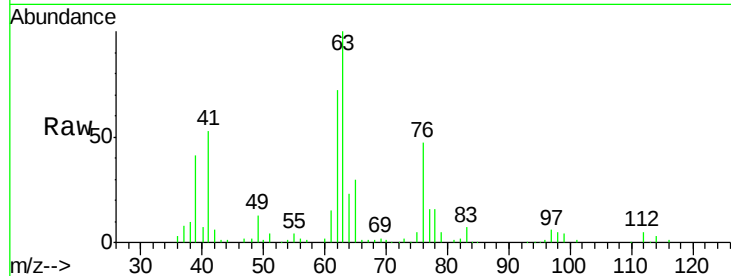
#45
 1,2-Dichloropropane
 Concen: 19.947 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 56921
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

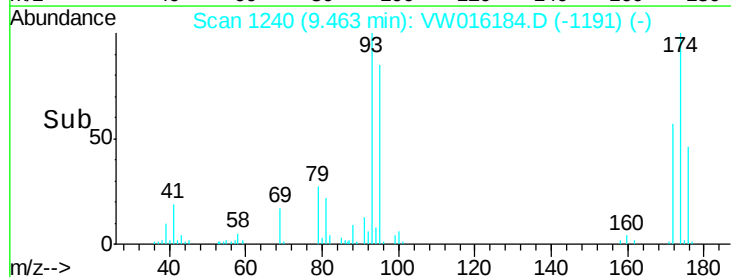
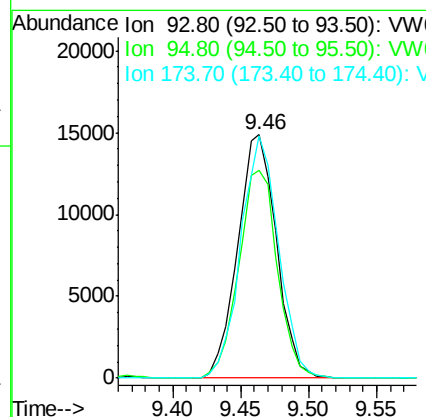
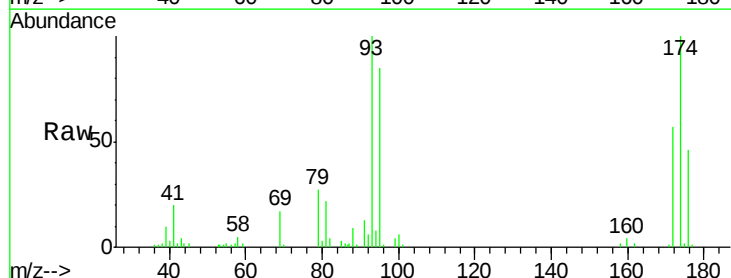
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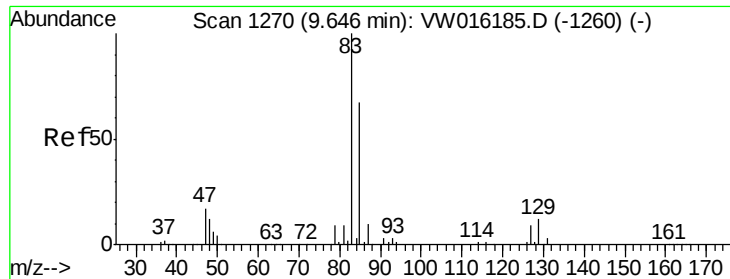
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#46
 Dibromomethane
 Concen: 20.027 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 93 Resp: 29604
 Ion Ratio Lower Upper
 93 100
 95 85.1 65.9 98.9
 174 96.9 77.0 115.6





#47

Bromodichloromethane

Concen: 20.248 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

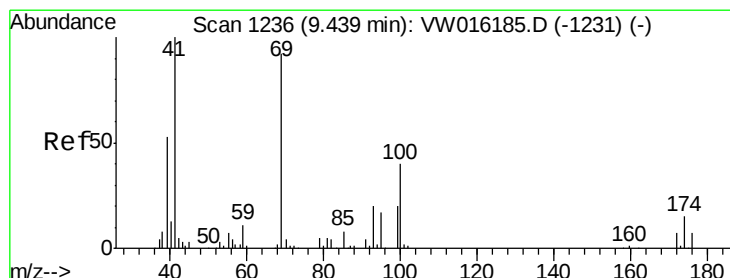
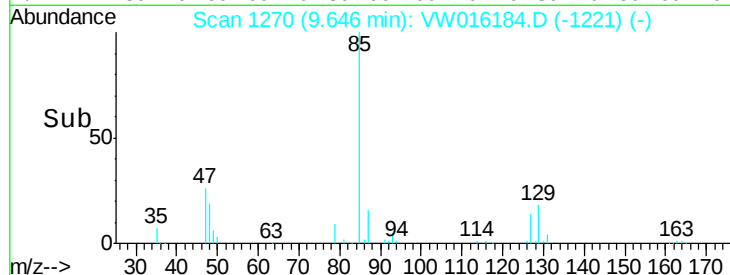
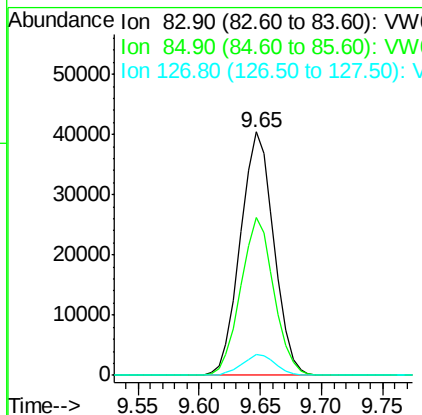
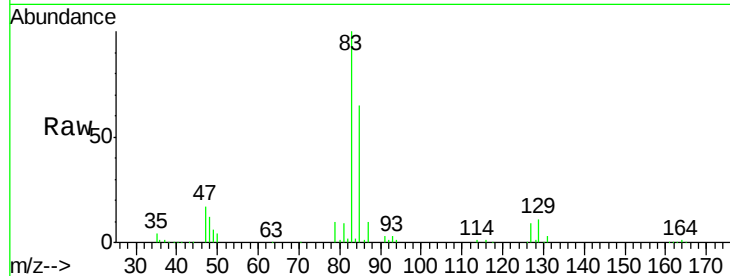
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	76958
Ion Ratio	Lower	Upper	
83	100		
85	64.9	53.3	79.9
127	8.8	7.4	11.2

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#48

Methyl methacrylate

Concen: 17.045 ug/l

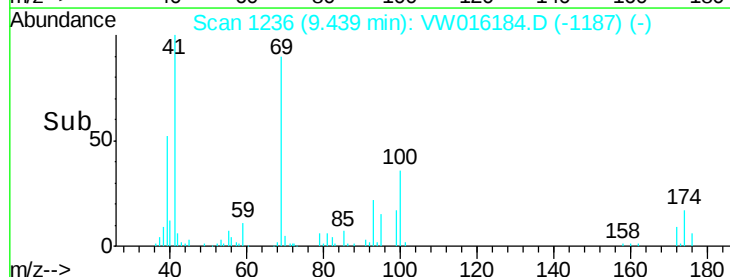
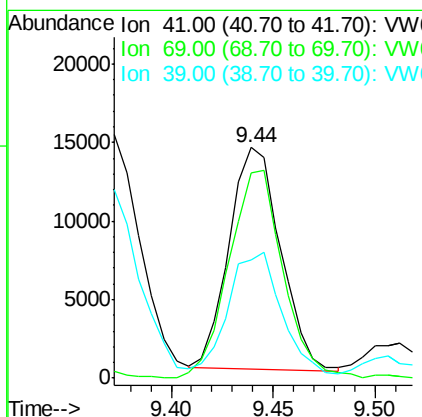
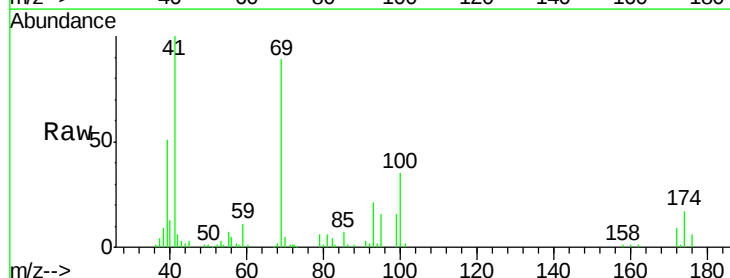
RT: 9.44 min Scan# 1236

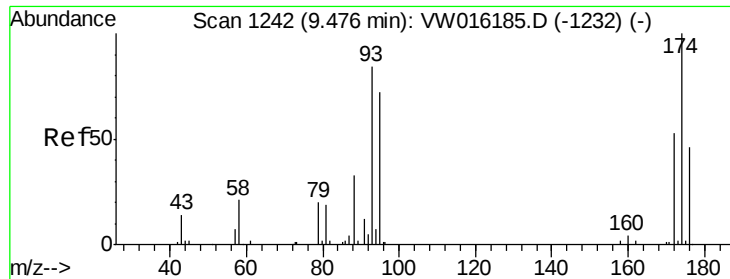
Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Tgt Ion:	41	Resp:	24693
Ion Ratio	Lower	Upper	
41	100		
69	98.8	77.4	116.0
39	56.2	42.2	63.2





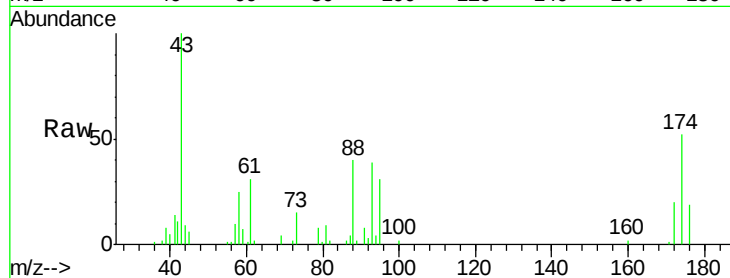
#49
1,4-Dioxane
Concen: 380.918 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

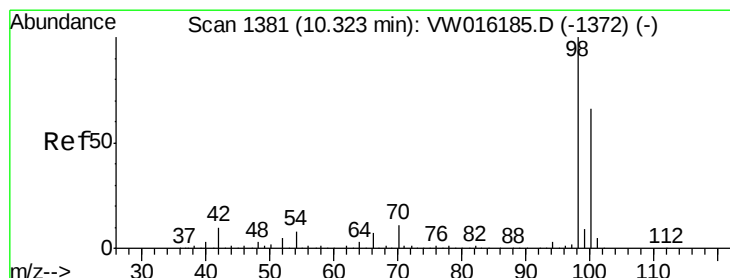
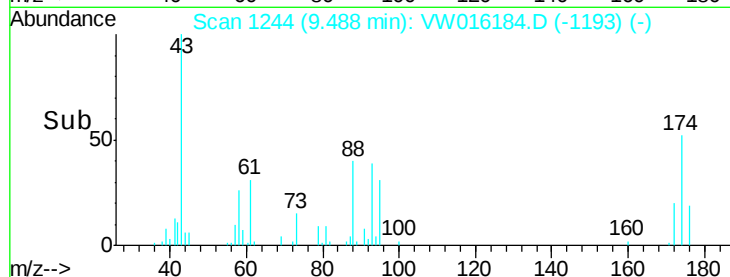
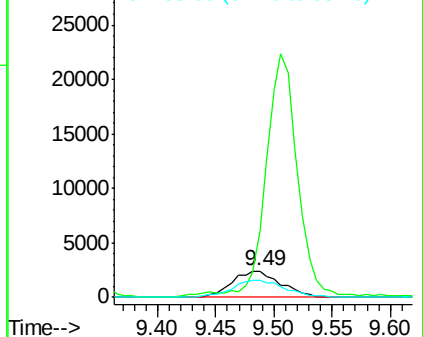
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	69.6	56.6	84.8

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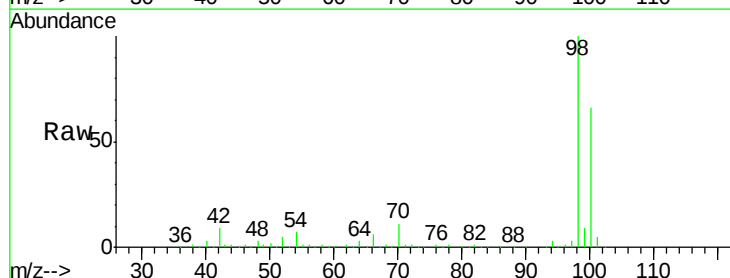


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

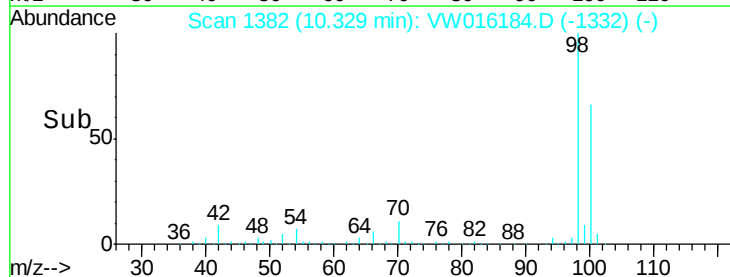
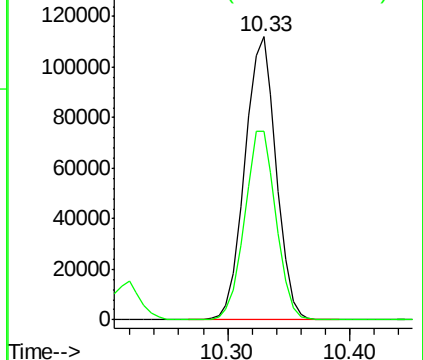


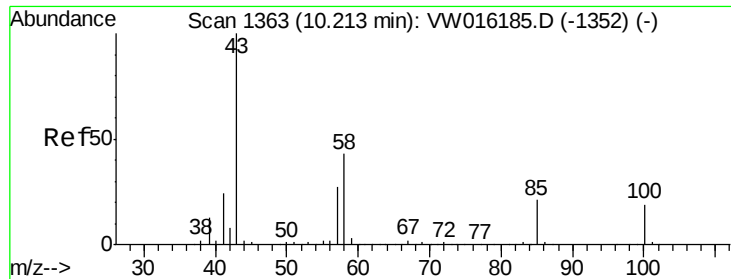
#50
Toluene-d8
Concen: 19.881 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.5	80.3



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: 89.592 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 139155

Ion Ratio Lower Upper

43 100

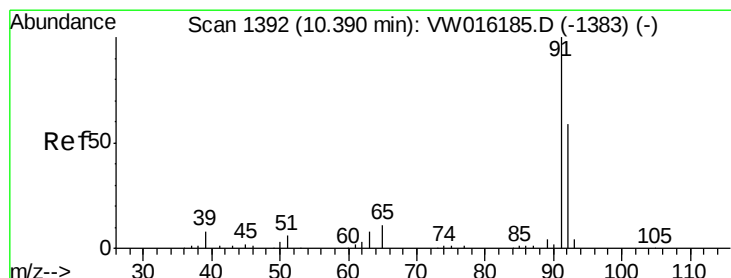
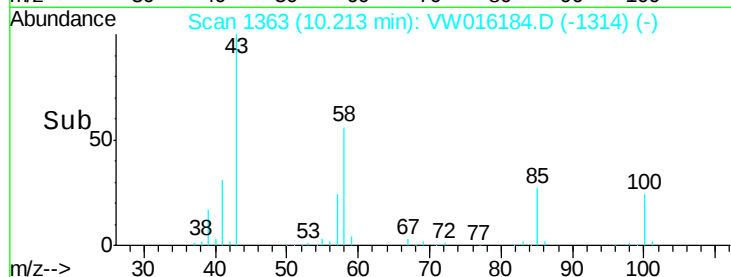
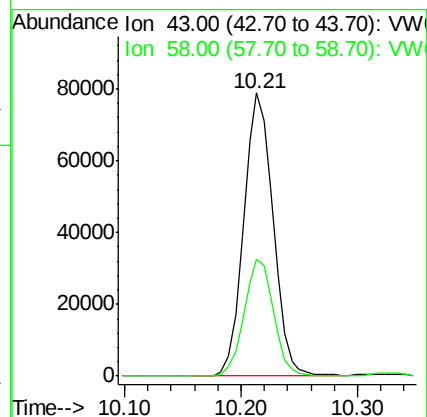
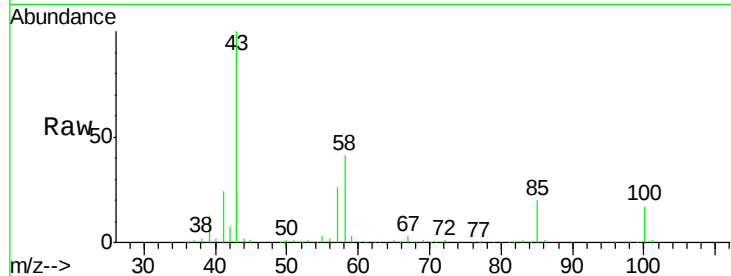
58 41.2 33.7 50.5

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#52

Toluene

Concen: 20.680 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016184.D

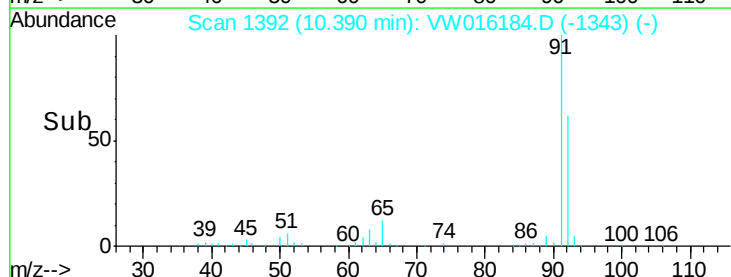
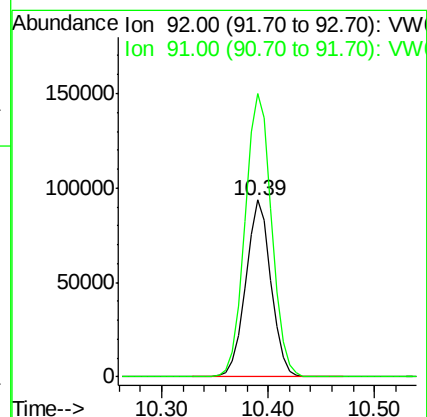
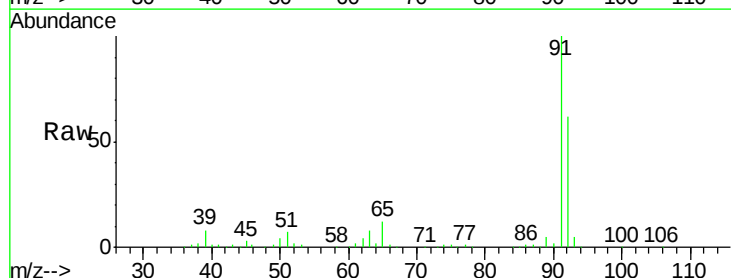
Acq: 14 Aug 2020 10:37

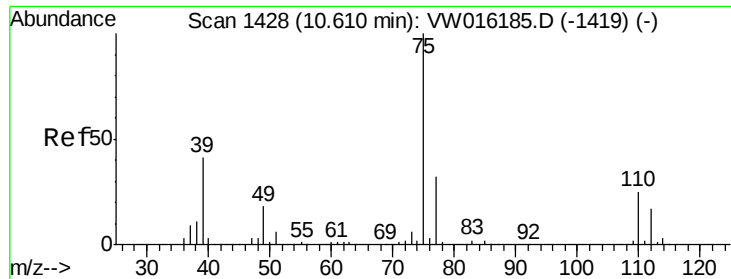
Tgt Ion: 92 Resp: 155512

Ion Ratio Lower Upper

92 100

91 169.0 133.3 199.9





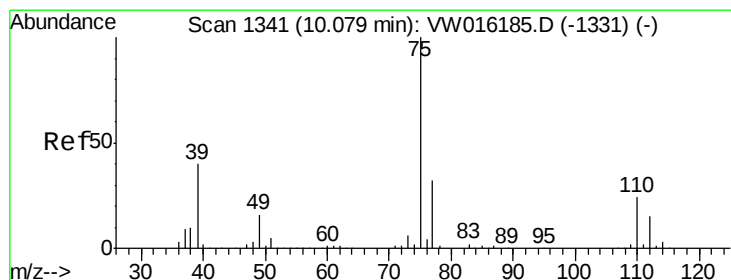
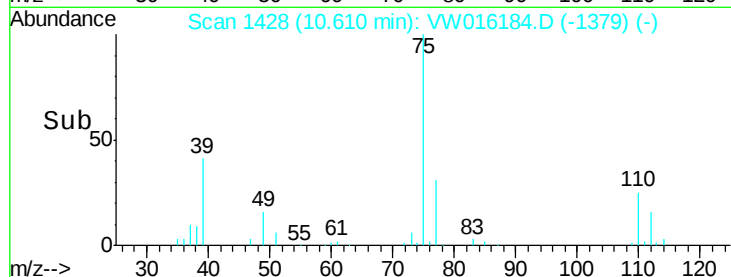
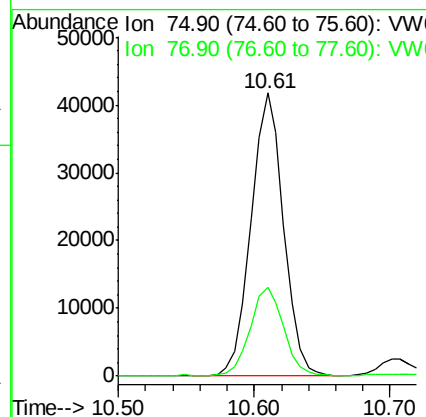
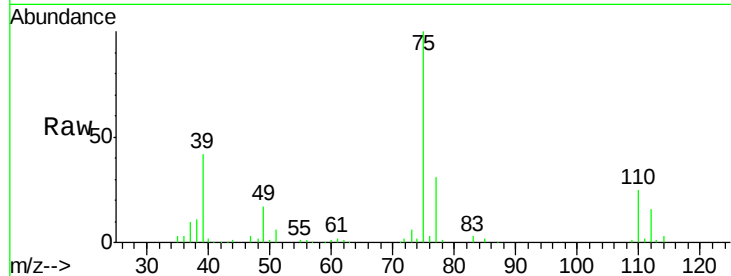
#53
t-1,3-Dichloropropene
Concen: 19.227 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.6	38.4

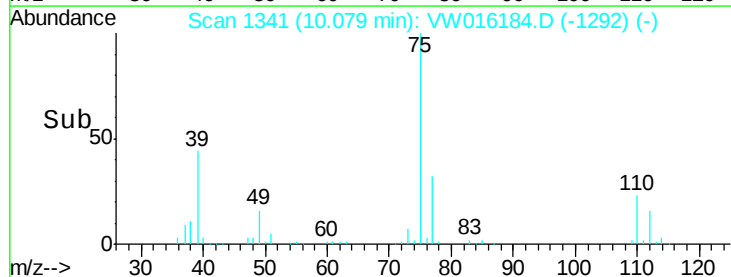
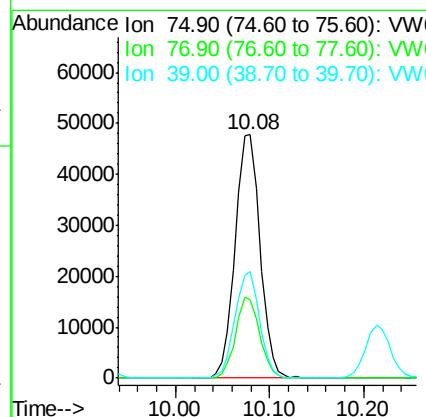
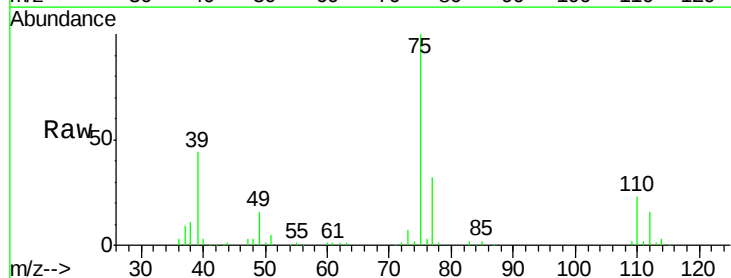
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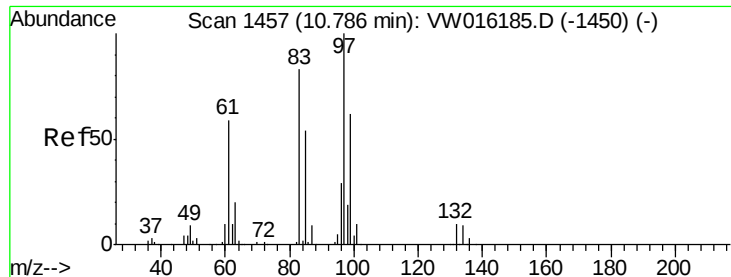
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#54
cis-1,3-Dichloropropene
Concen: 20.154 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	44.1	32.3	48.5





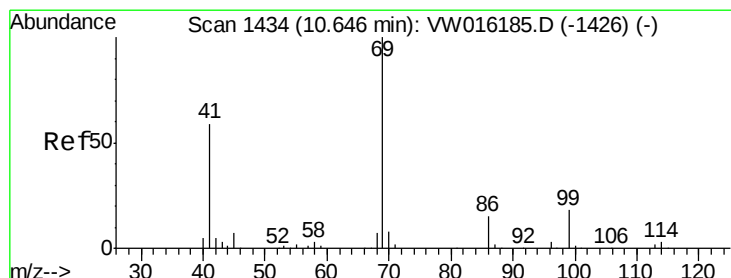
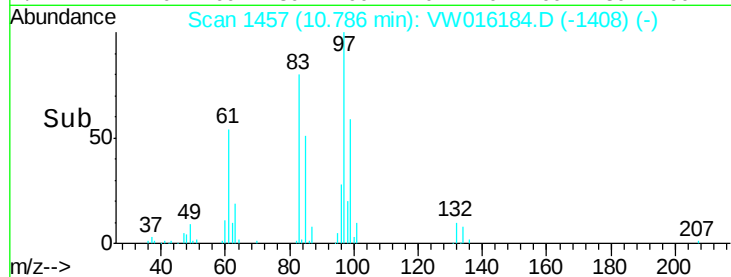
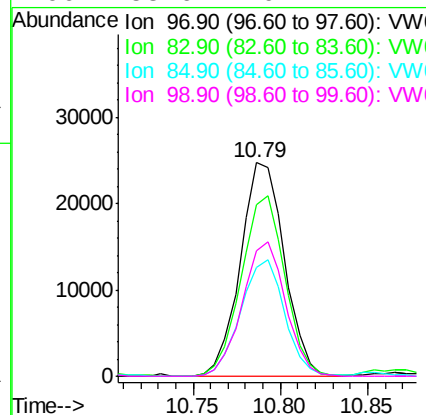
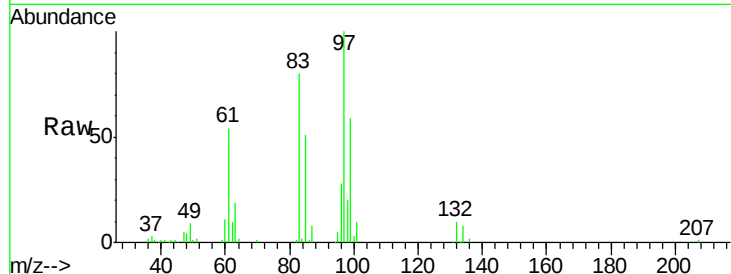
#55
 1,1,2-Trichloroethane
 Concen: 21.158 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	43401
Ion	Ratio	Lower	Upper
97	100		
83	80.3	66.6	100.0
85	50.8	43.0	64.4
99	58.6	49.4	74.2

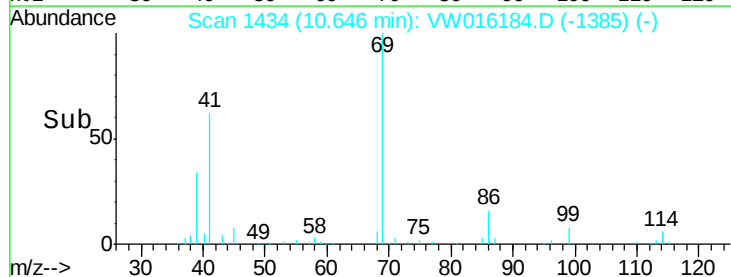
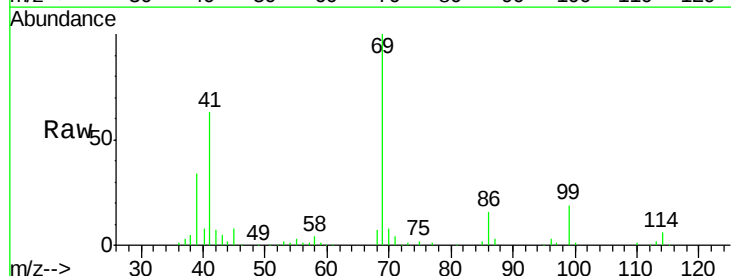
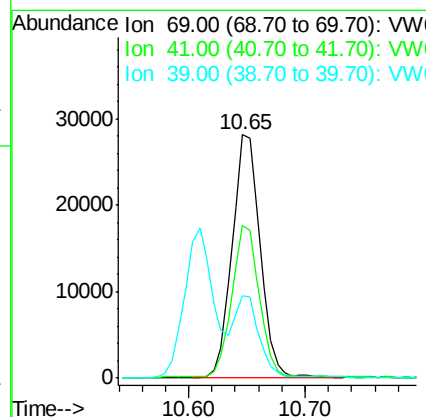
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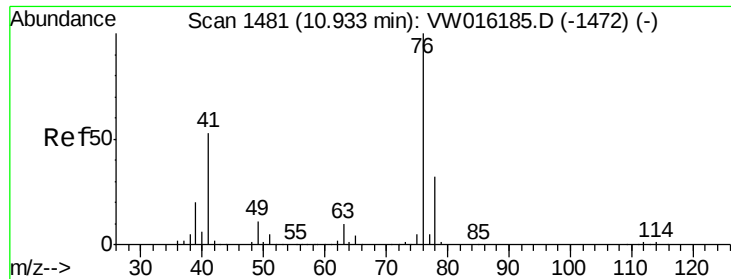
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#56
 Ethyl methacrylate
 Concen: 18.791 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion:	69	Resp:	47380
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.6	71.4
39	28.4	24.6	36.8





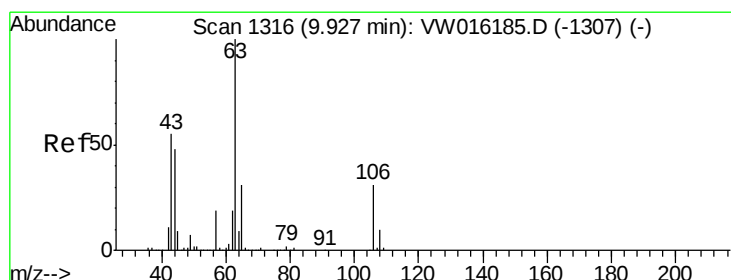
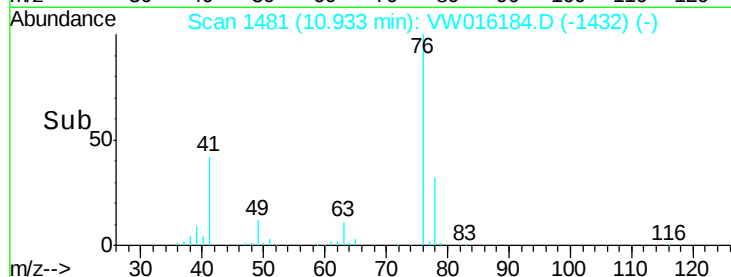
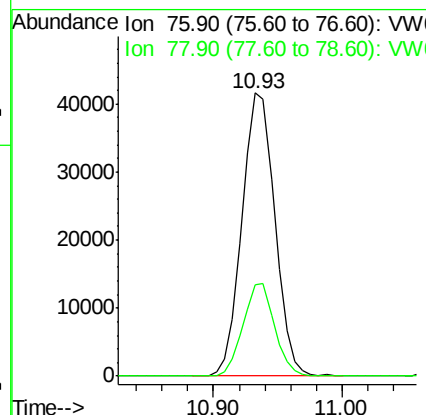
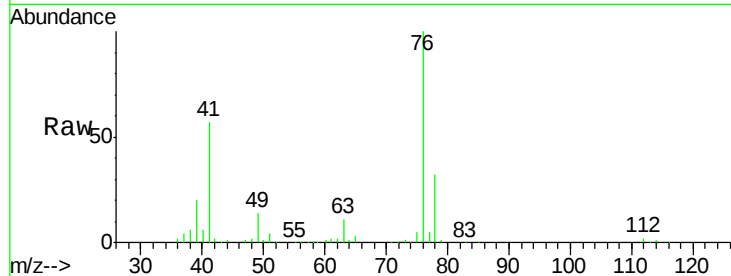
#57
 1,3-Dichloropropane
 Concen: 20.245 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 73421
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8

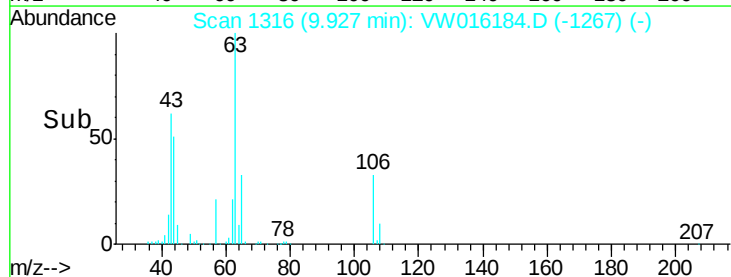
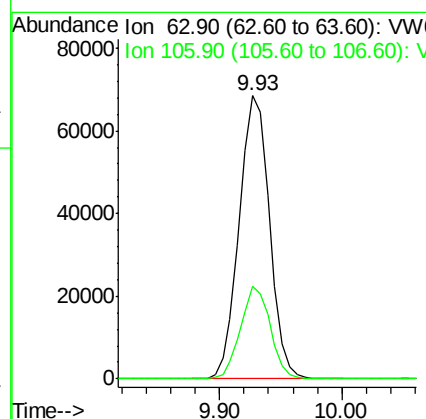
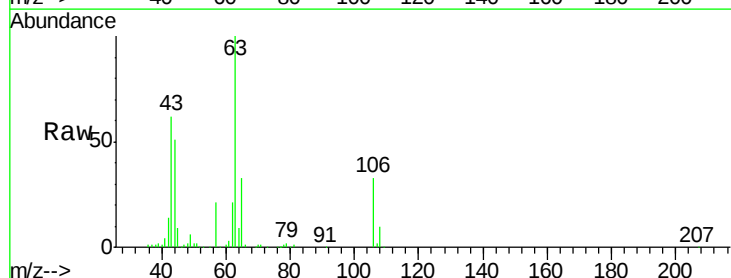
Manual Integrations
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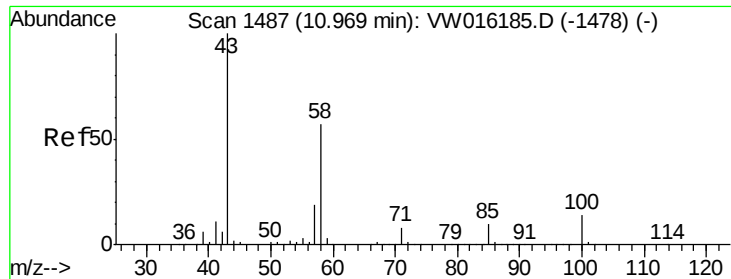
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#58
 2-Chloroethyl Vinyl ether
 Concen: 96.652 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 63 Resp: 117715
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.9 37.3





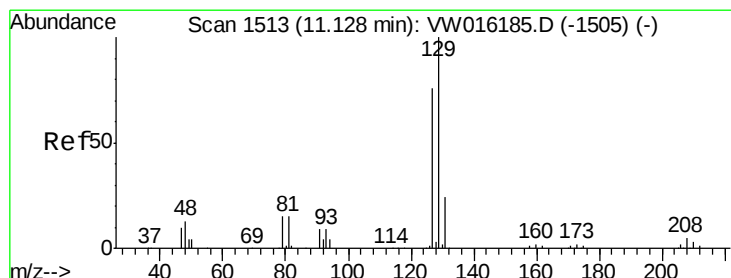
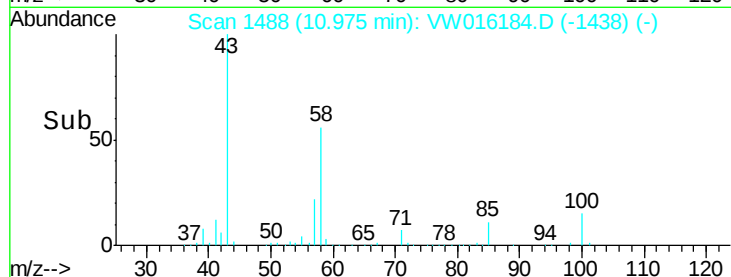
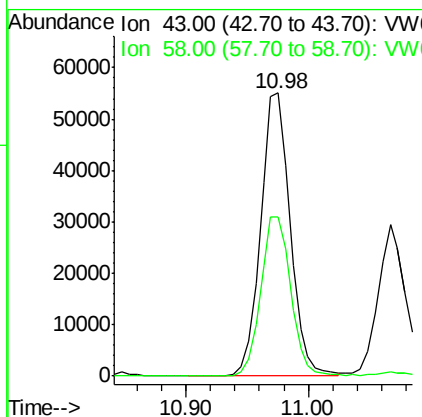
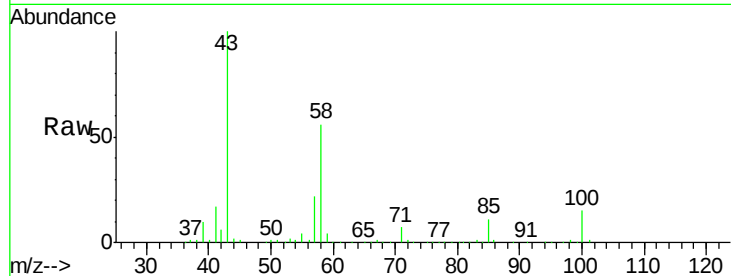
#59
2-Hexanone
Concen: 89.460 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 92968
Ion Ratio Lower Upper
43 100
58 57.4 28.8 86.5

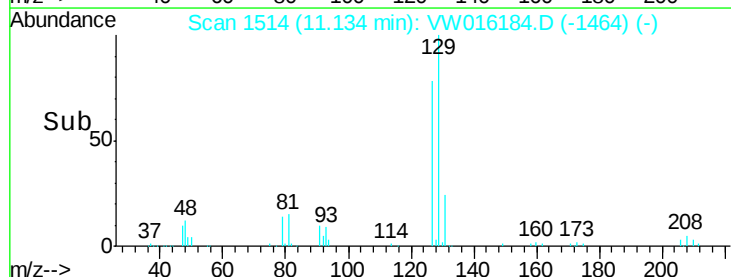
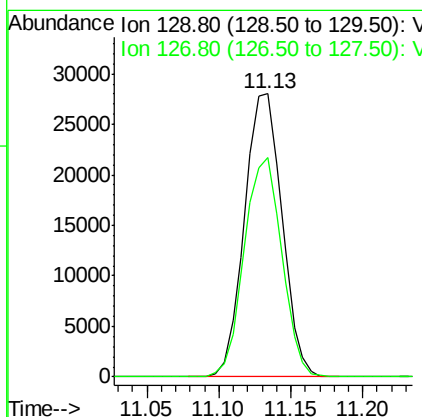
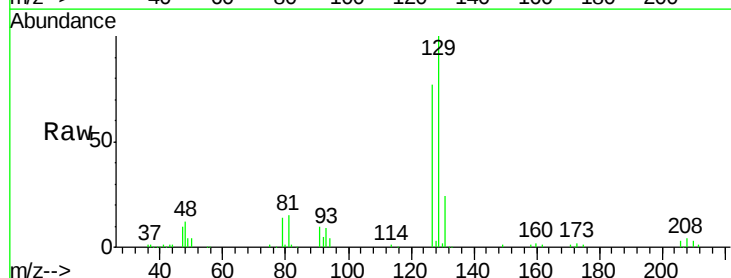
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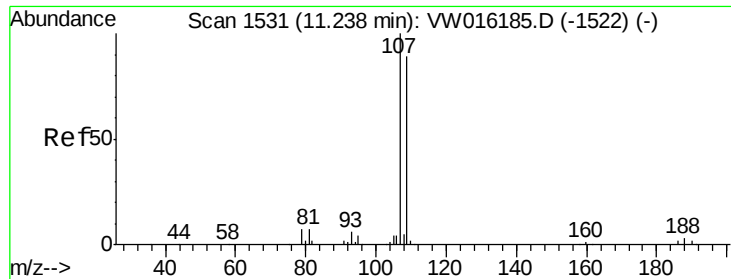
MMDadoda
8/17/2020 5:46:26 PM



#60
Dibromochloromethane
Concen: 21.194 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 129 Resp: 50635
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





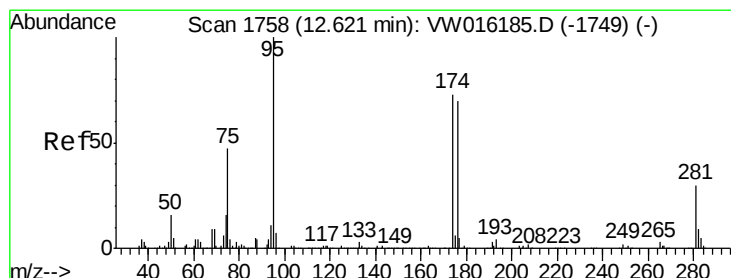
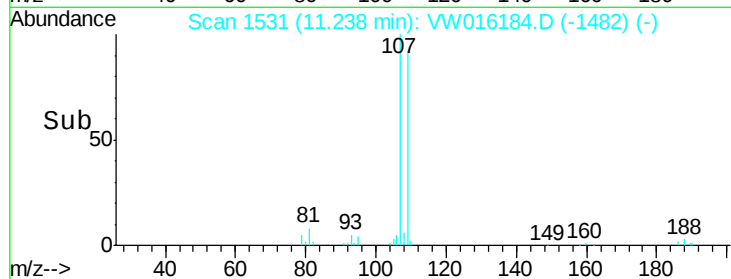
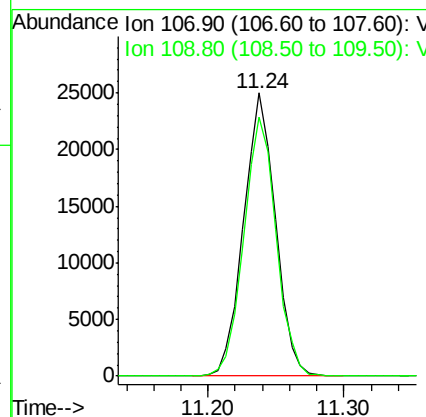
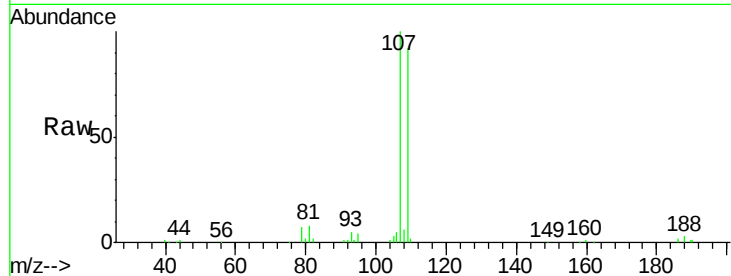
#61
 1,2-Dibromoethane
 Concen: 20.674 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 40975
 Ion Ratio Lower Upper
 107 100
 109 92.6 74.7 112.1

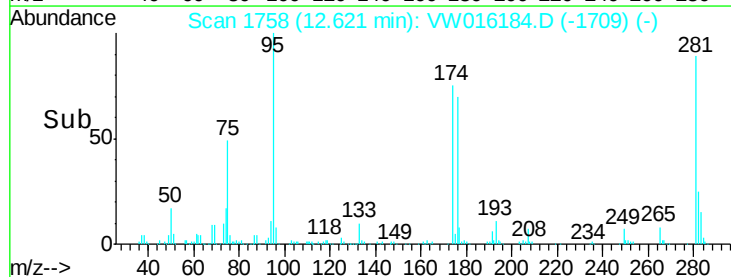
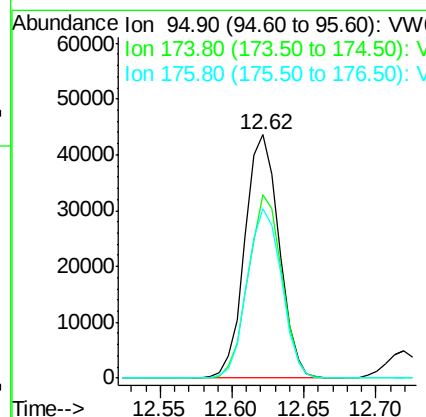
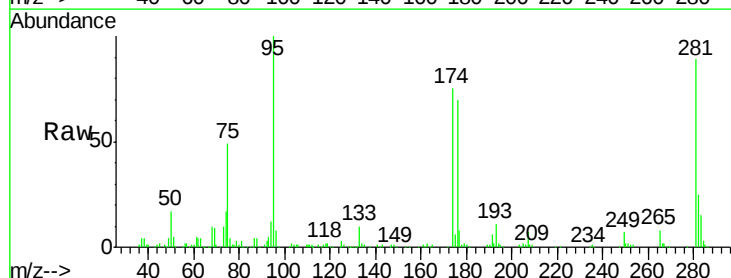
Manual Integrations
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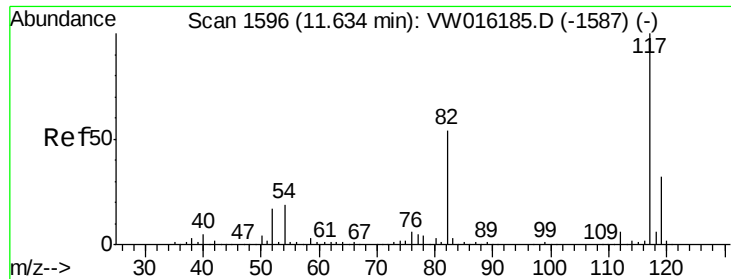
MMDadoda
 8/17/2020 5:46:26 PM



#62
 4-Bromofluorobenzene
 Concen: 19.772 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion: 95 Resp: 71769
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 145.6
 176 70.2 0.0 137.8





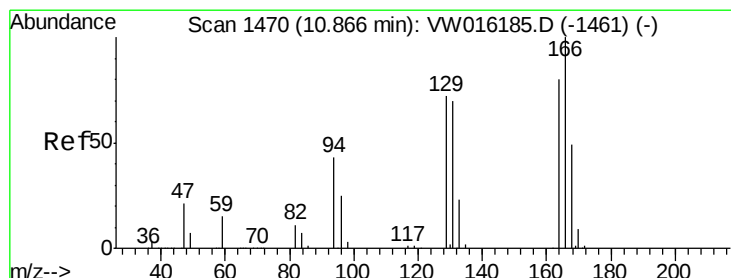
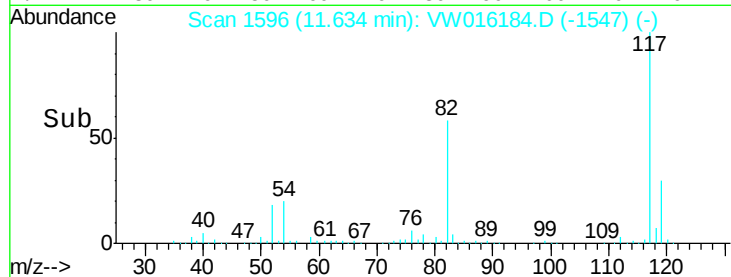
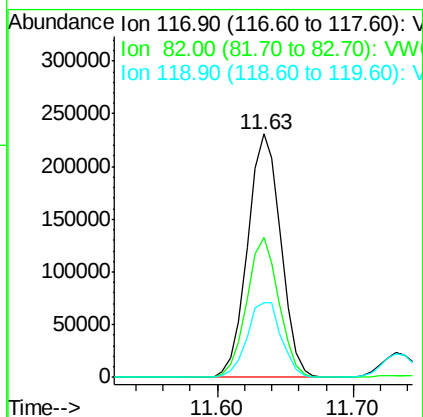
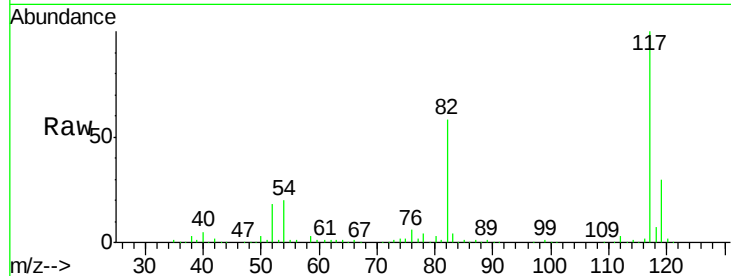
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	395518		
82	57.7	43.6	65.4	
119	30.5	25.4	38.0	

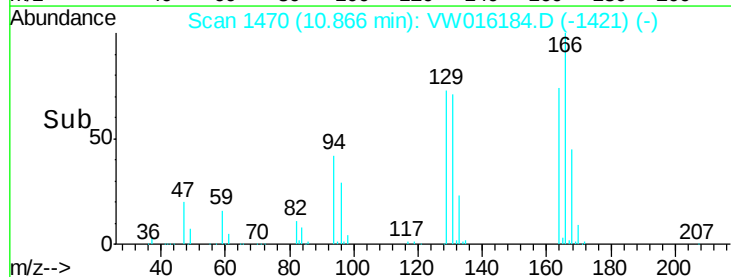
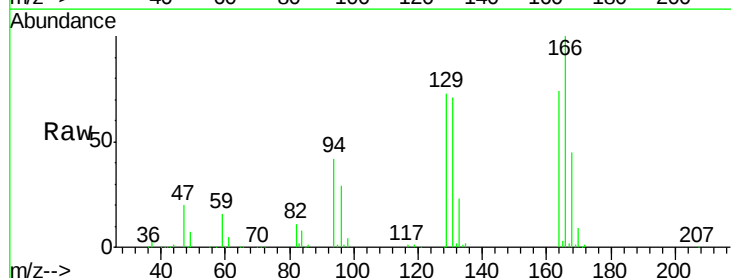
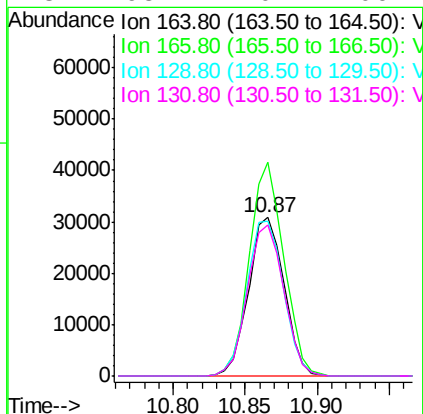
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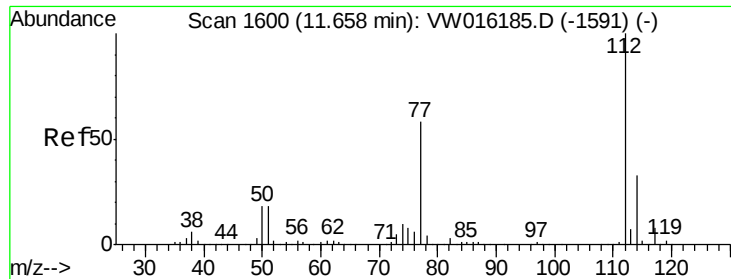
MMDadoda
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#64
Tetrachloroethene
Concen: 21.009 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52519		
166	134.7	100.3	150.5	
129	97.7	72.2	108.4	
131	95.4	70.7	106.1	





#65

Chlorobenzene

Concen: 21.559 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 166135

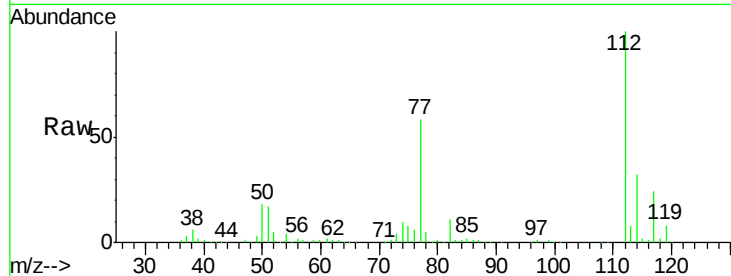
Ion Ratio Lower Upper

112 100

114 31.6 26.6 39.8

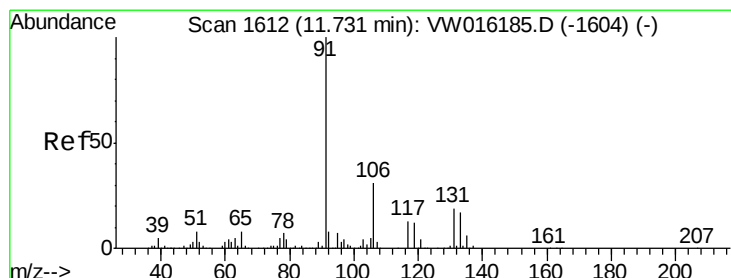
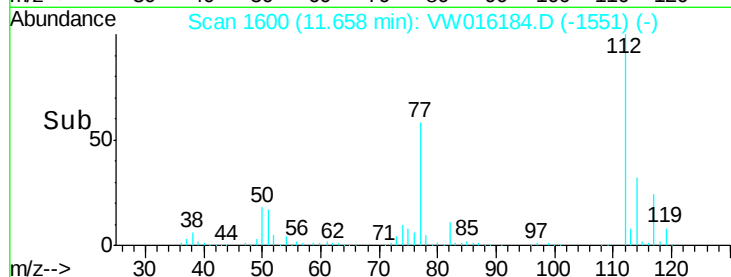
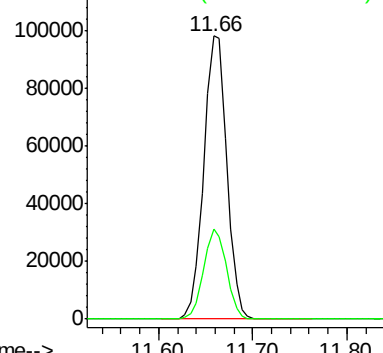
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.140 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

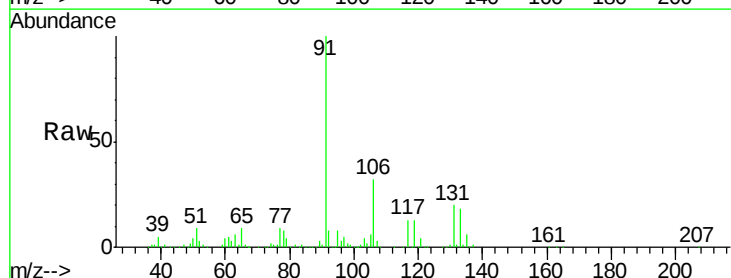
Tgt Ion:131 Resp: 57601

Ion Ratio Lower Upper

131 100

133 94.7 47.1 141.3

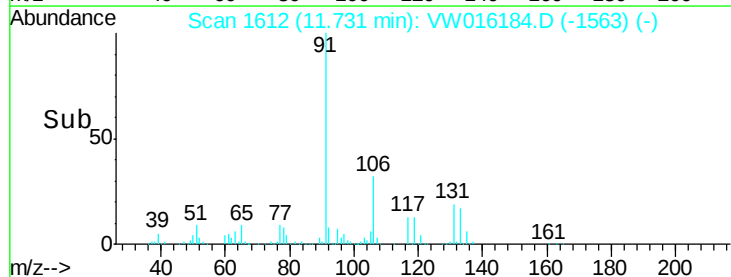
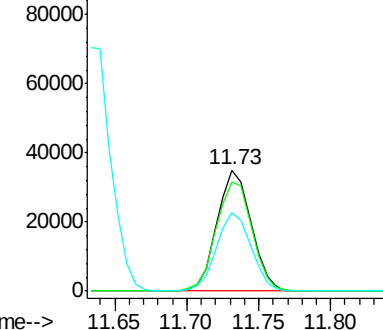
119 65.8 33.1 99.3

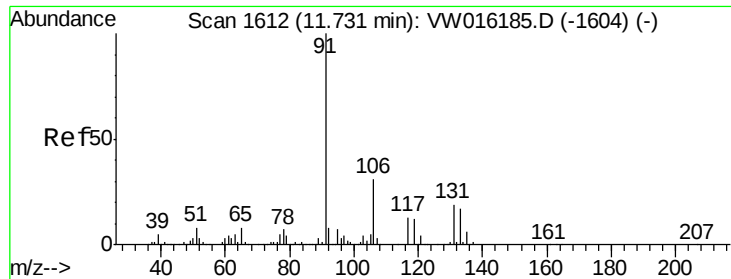


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





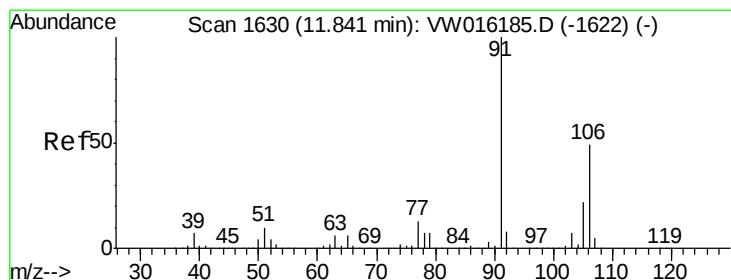
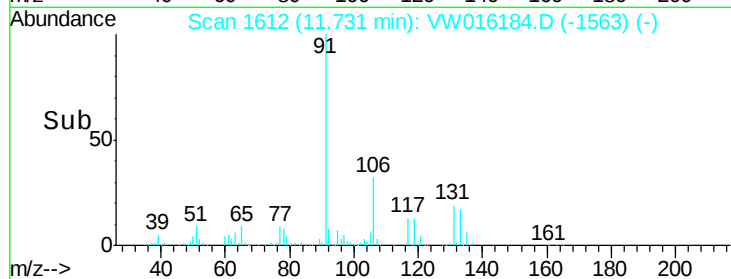
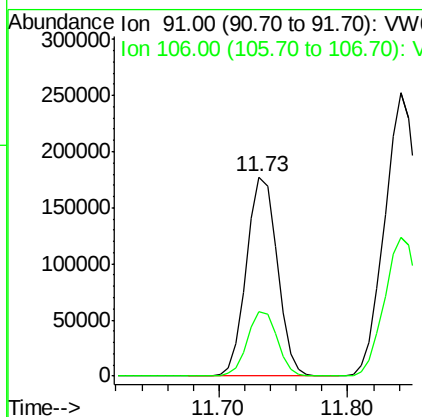
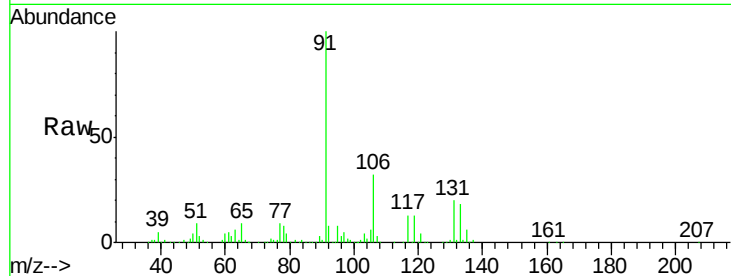
#67
Ethyl Benzene
Concen: 20.524 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 292892
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3

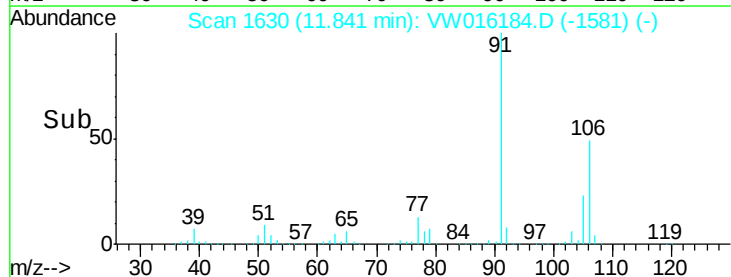
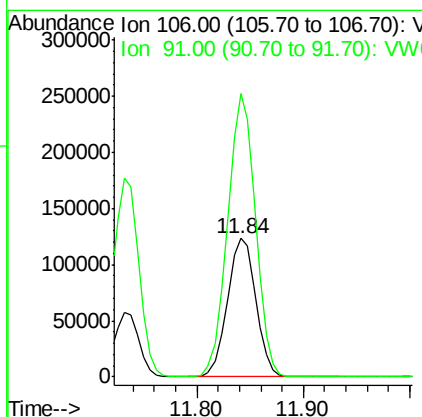
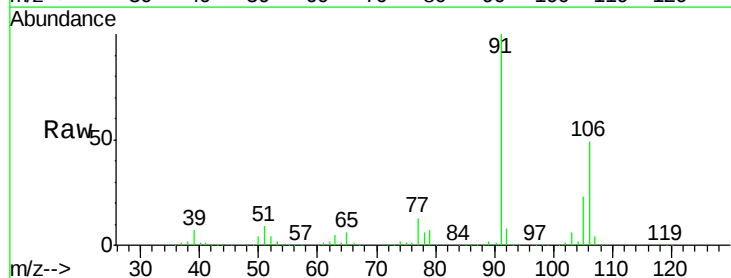
Manual Integrations
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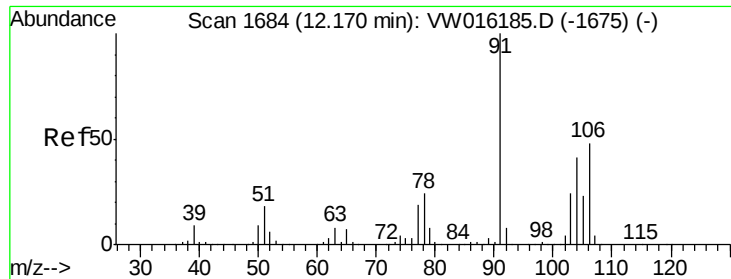
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#68
m/p-Xylenes
Concen: 43.060 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 106 Resp: 230837
Ion Ratio Lower Upper
106 100
91 200.6 161.4 242.2





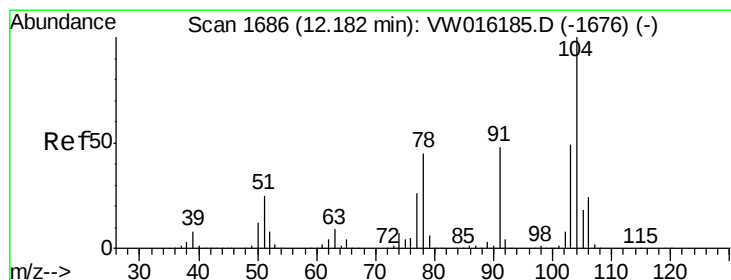
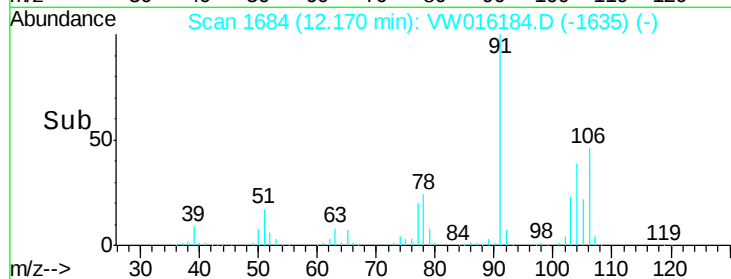
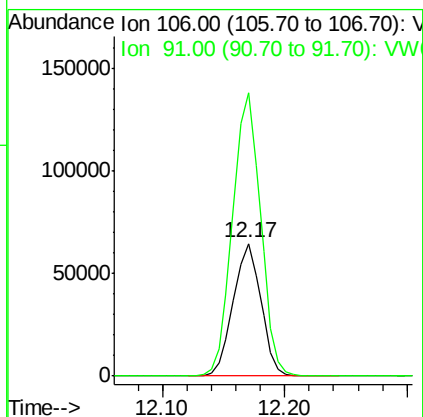
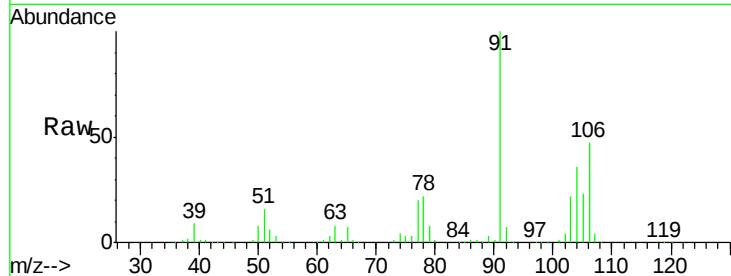
#69
o-Xylene
Concen: 20.746 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.2	106.0	317.9	

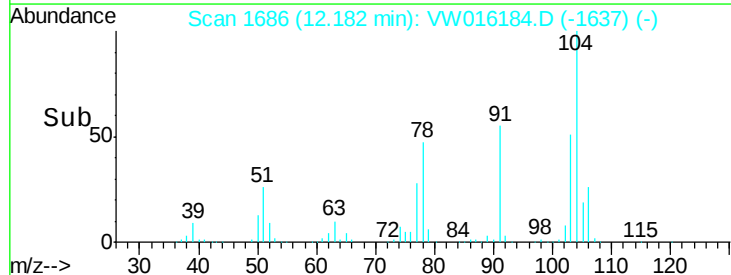
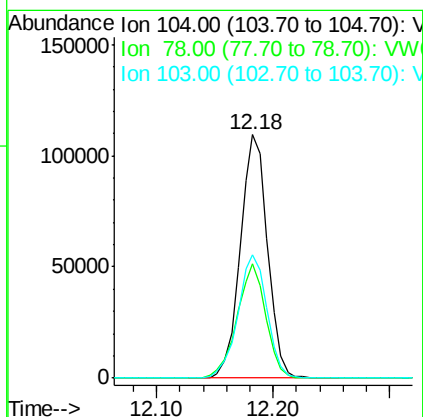
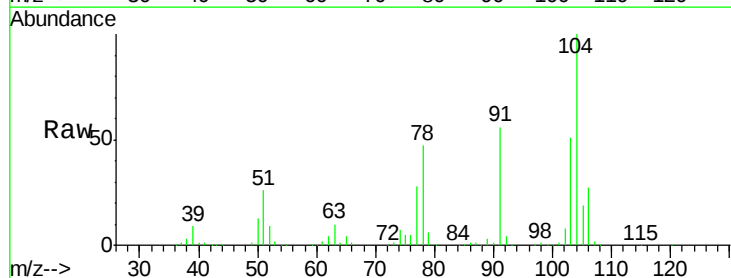
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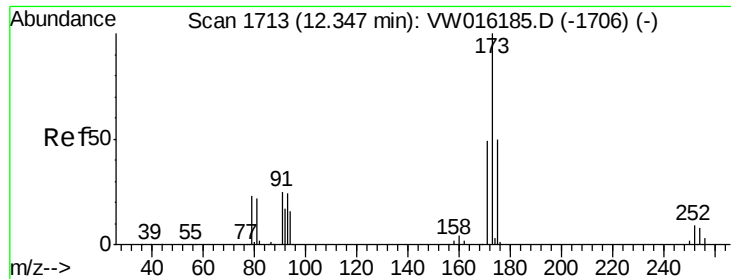
MMDadoda
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#70
Styrene
Concen: 21.207 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.3	39.4	59.2	
103	54.3	42.9	64.3	





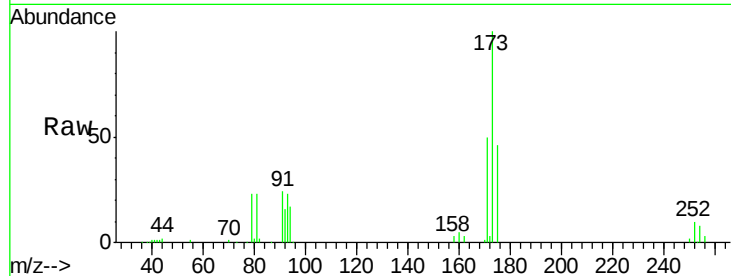
#71
Bromoform
Concen: 20.165 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

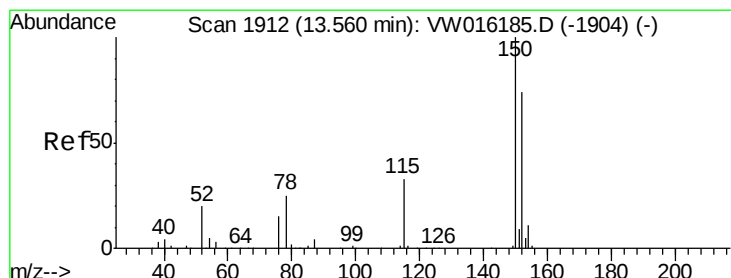
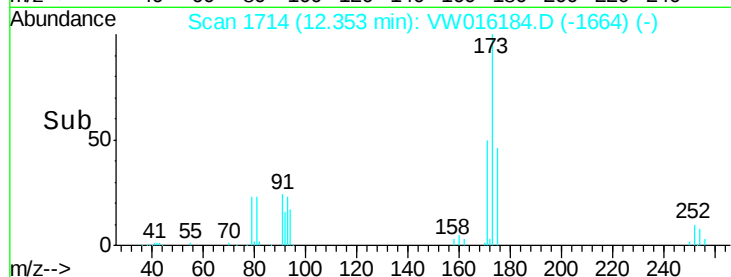
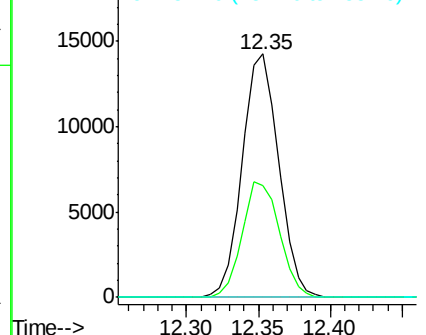
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.7	74.1
254	0.0	0.0	0.0

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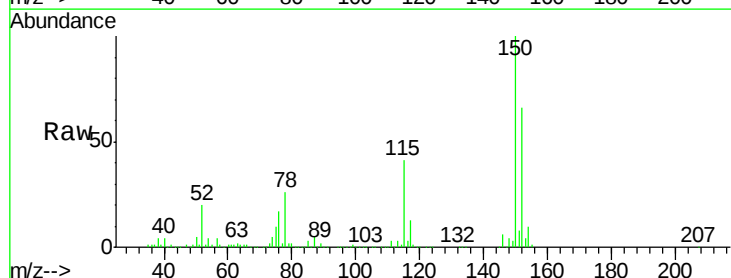


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

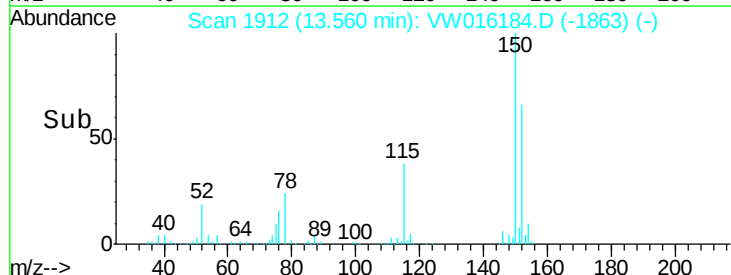
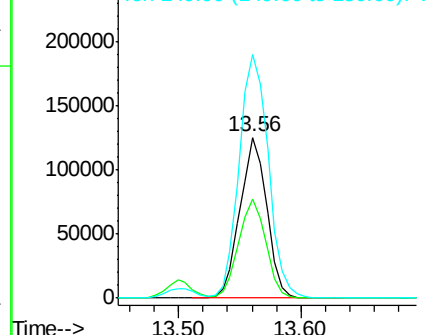


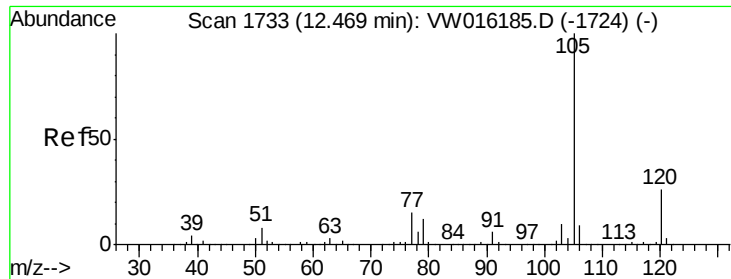
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	30.9	92.5
150	166.0	0.0	337.8



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





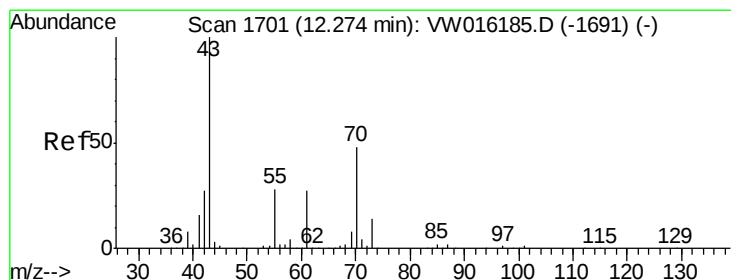
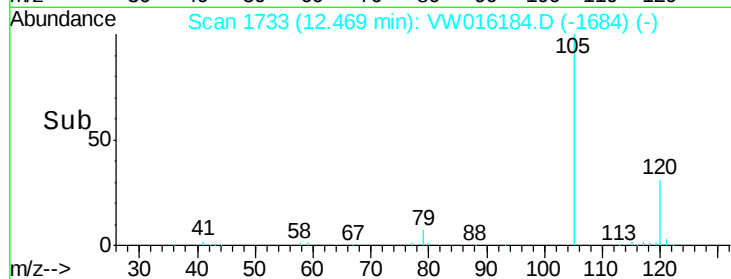
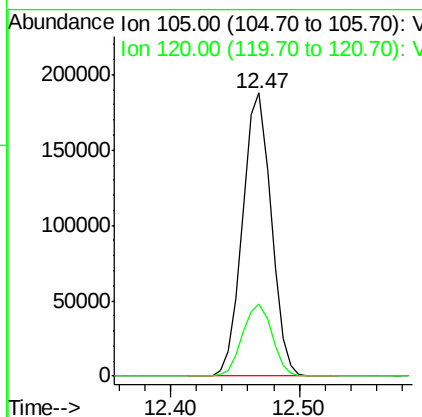
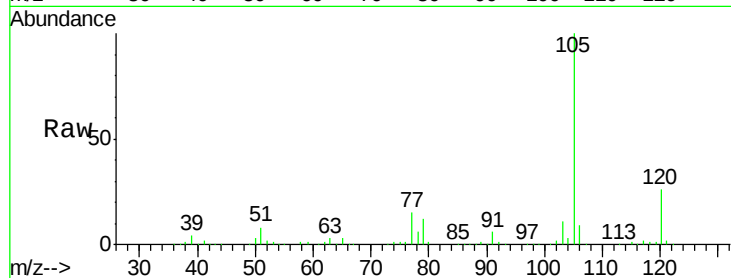
#73
Isopropylbenzene
Concen: 21.451 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 105 Resp: 288219
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.6

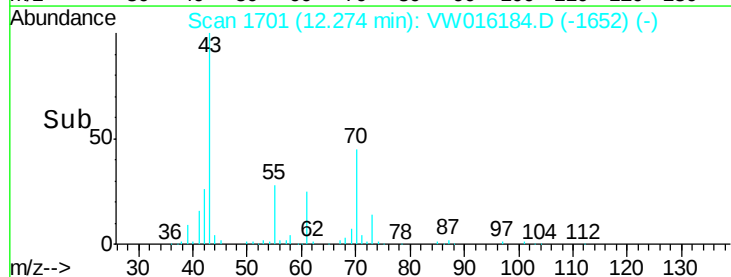
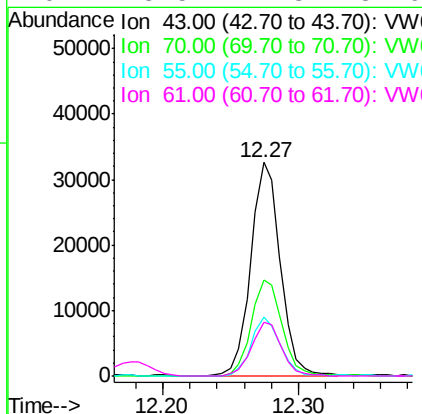
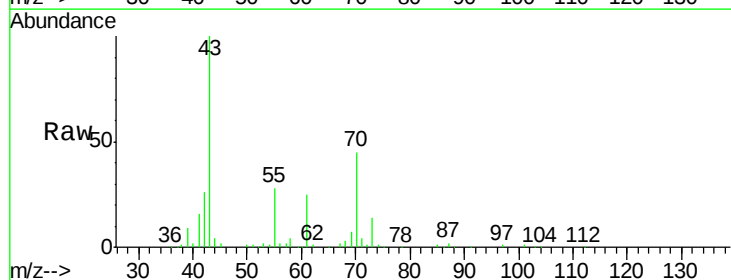
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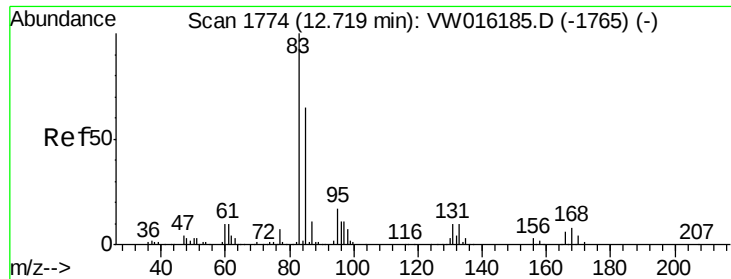
MMDadoda
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#74
N-ethyl acetate
Concen: 17.730 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion: 43 Resp: 49880
Ion Ratio Lower Upper
43 100
70 46.6 38.6 58.0
55 27.3 22.2 33.2
61 25.5 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.666 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

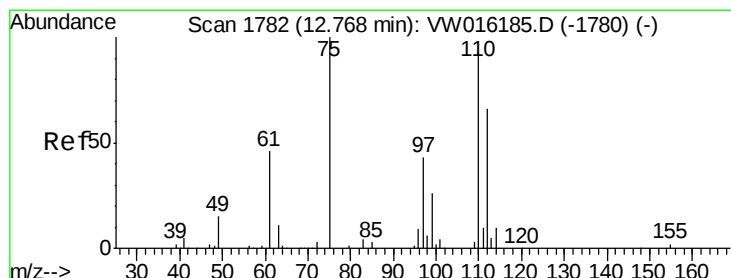
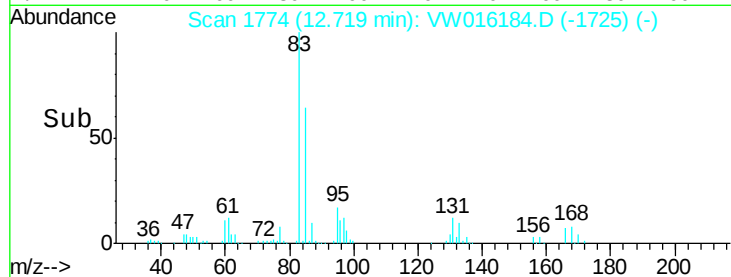
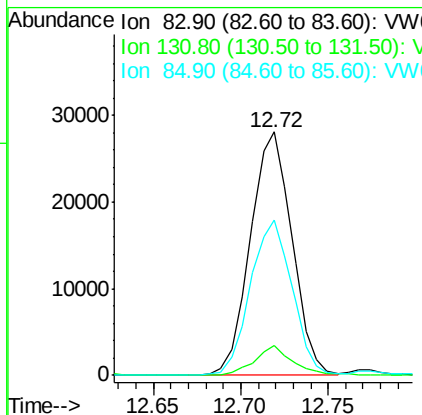
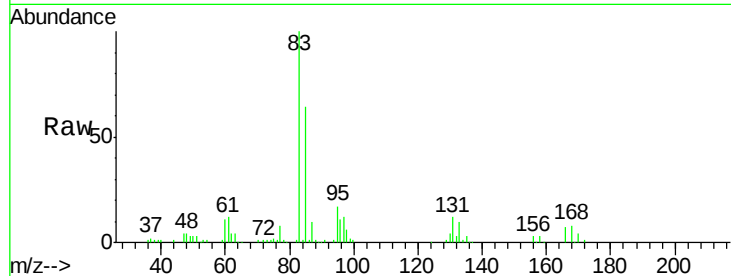
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	46466
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.6	16.8
85	64.1	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.788 ug/l m

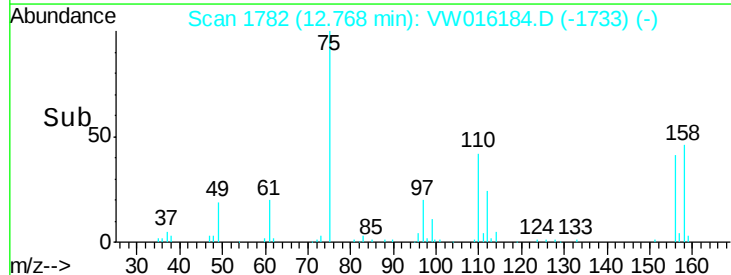
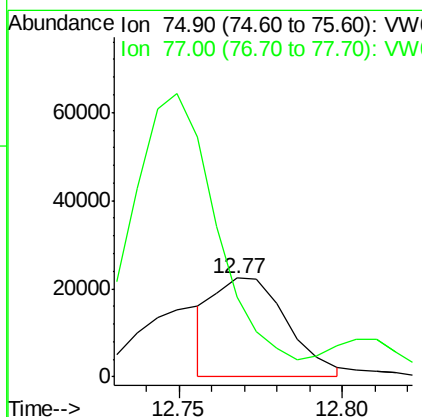
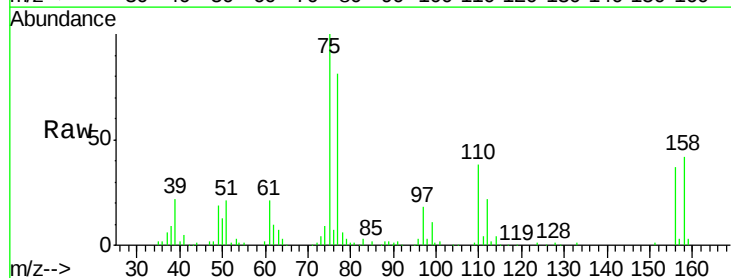
RT: 12.77 min Scan# 1782

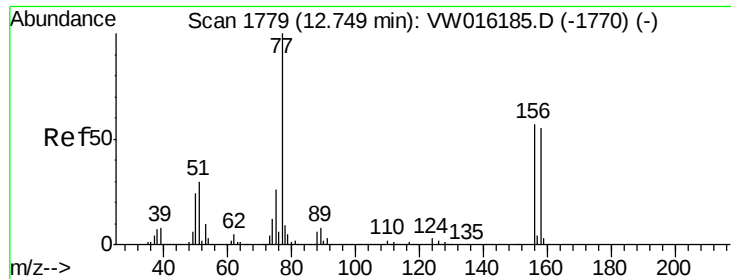
Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Tgt Ion:	75	Resp:	34831
Ion Ratio	Lower	Upper	
75	100		
77	343.3	173.6	520.6





#77

Bromobenzene

Concen: 20.757 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 62382

Ion Ratio Lower Upper

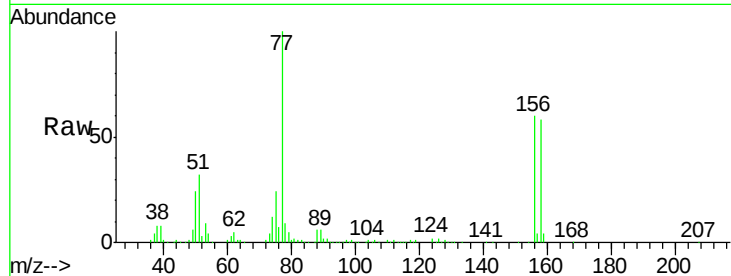
156 100

77 191.7 97.9 293.6

158 97.3 49.0 147.2

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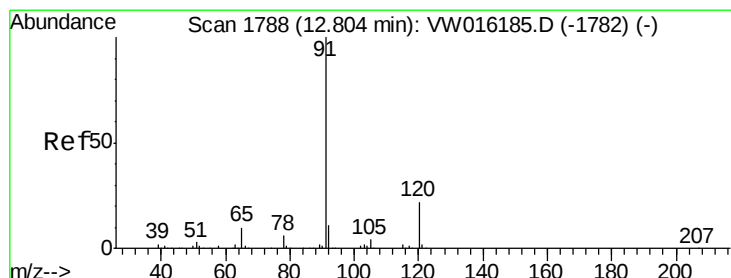
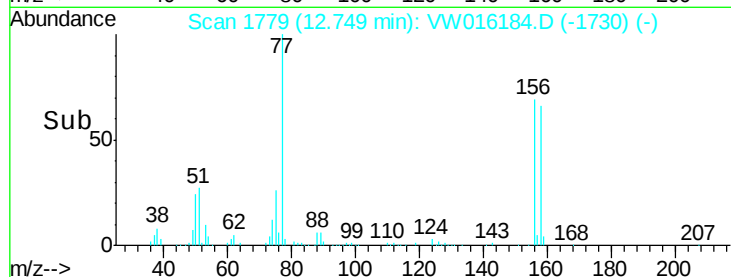
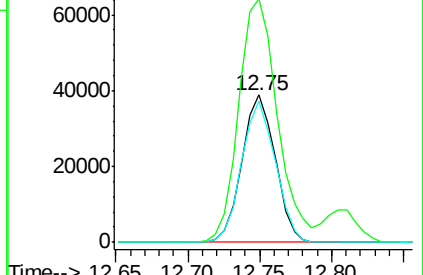
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.107 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016184.D

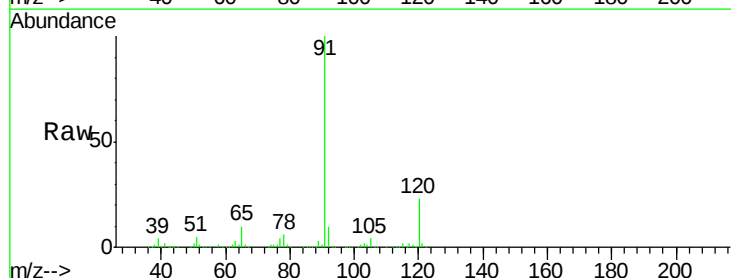
Acq: 14 Aug 2020 10:37

Tgt Ion: 91 Resp: 342983

Ion Ratio Lower Upper

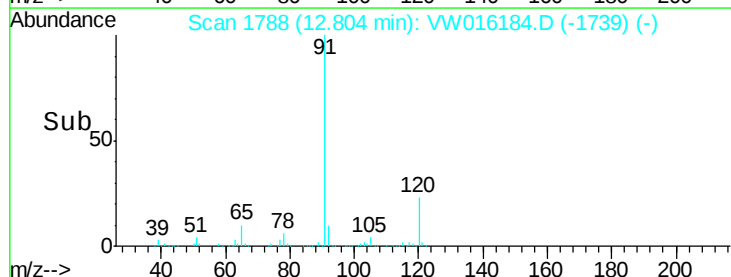
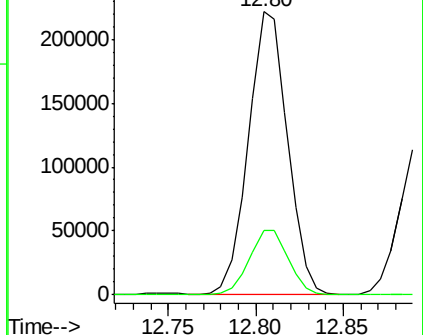
91 100

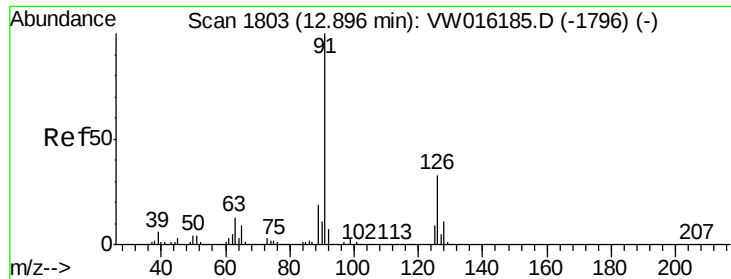
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.158 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016184.D

Acq: 14 Aug 2020 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 196331

Ion Ratio Lower Upper

91 100

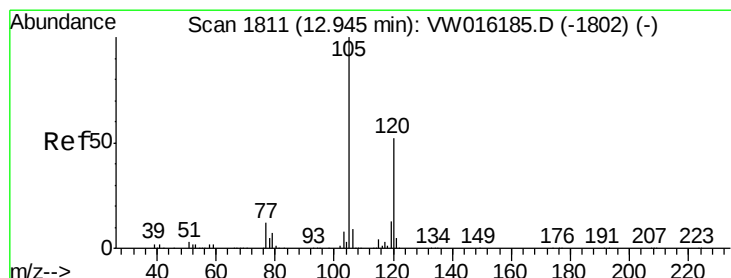
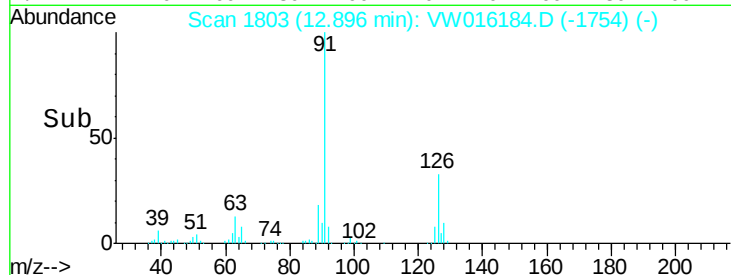
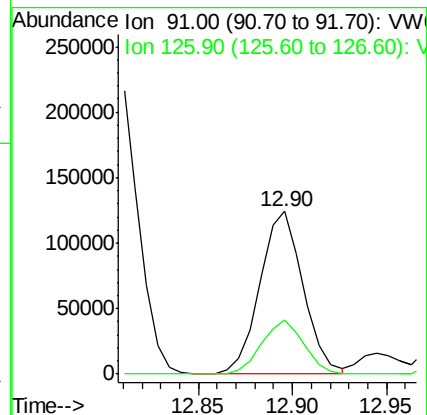
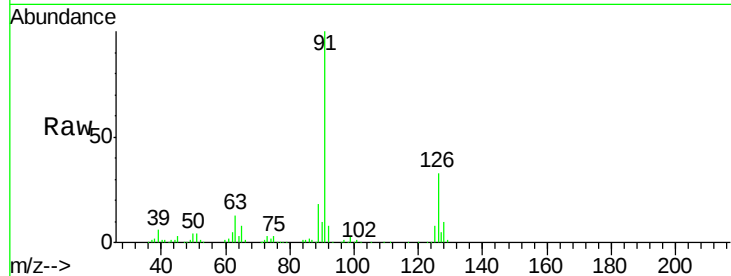
126 32.8 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 21.956 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016184.D

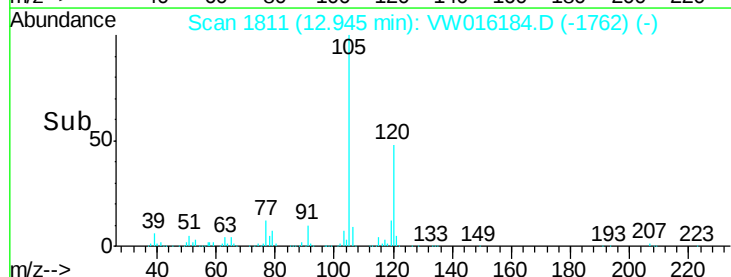
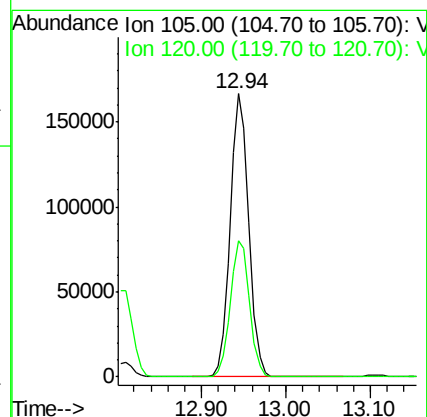
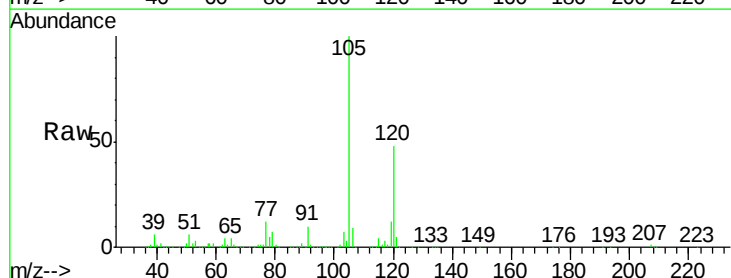
Acq: 14 Aug 2020 10:37

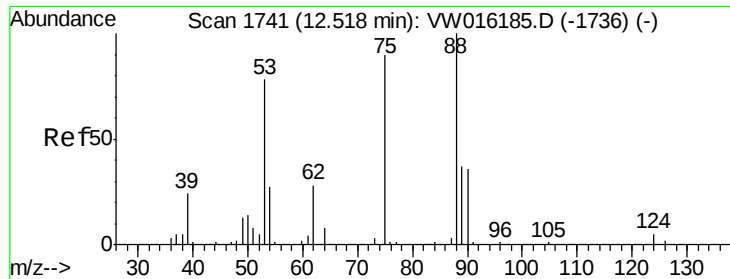
Tgt Ion:105 Resp: 251946

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.2





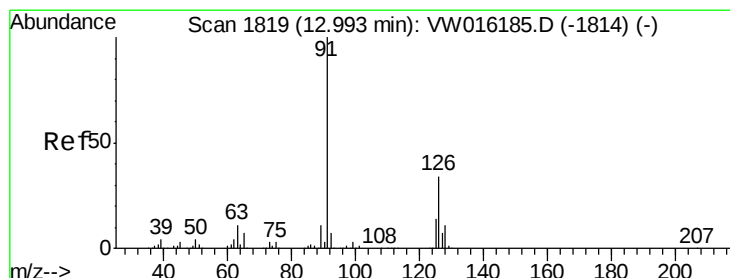
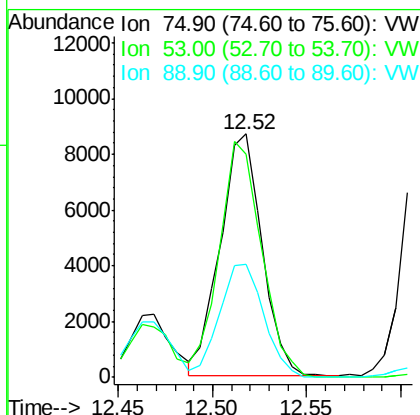
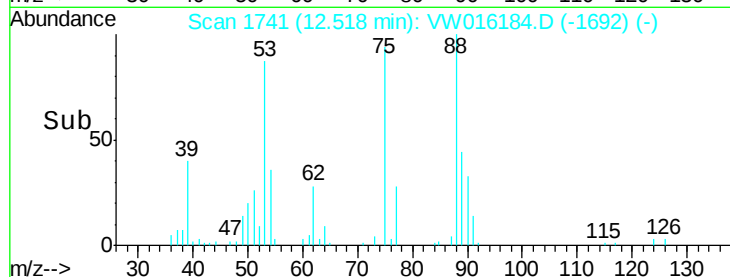
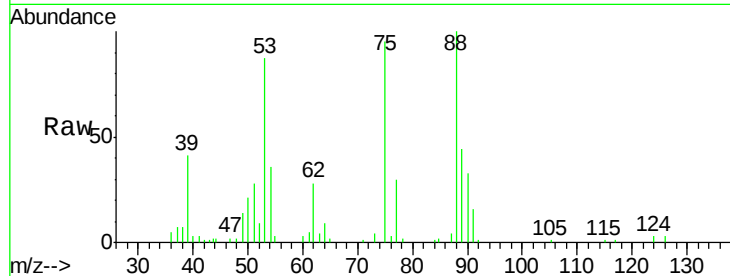
#81
trans-1,4-Dichloro-2-butene
Concen: 19.994 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.4	74.6	111.8
89	49.8	37.2	55.8

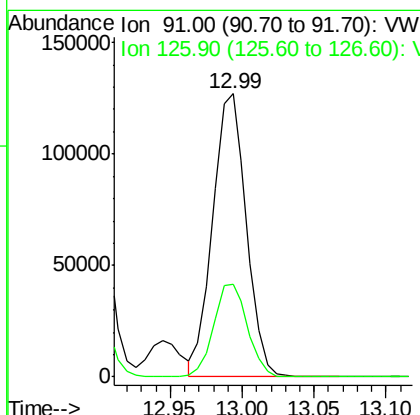
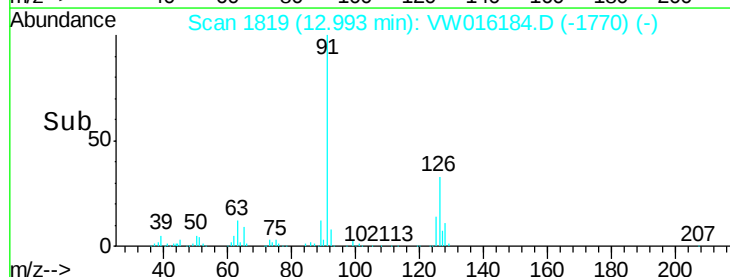
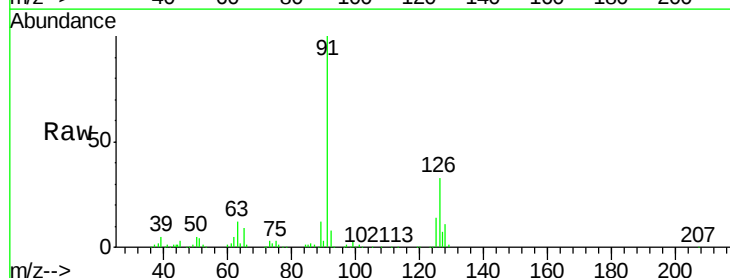
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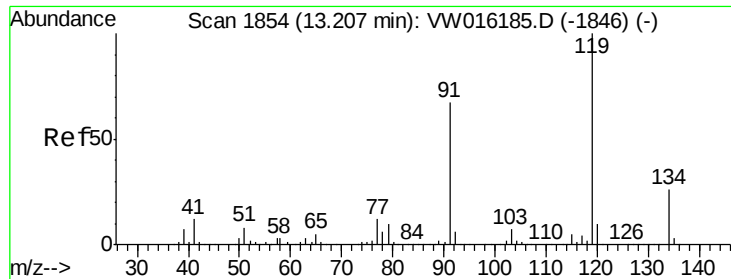
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#82
4-Chlorotoluene
Concen: 21.331 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.8





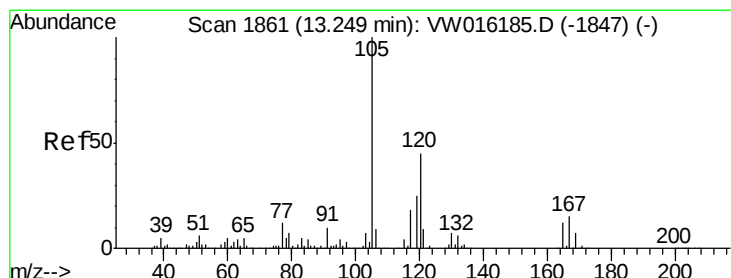
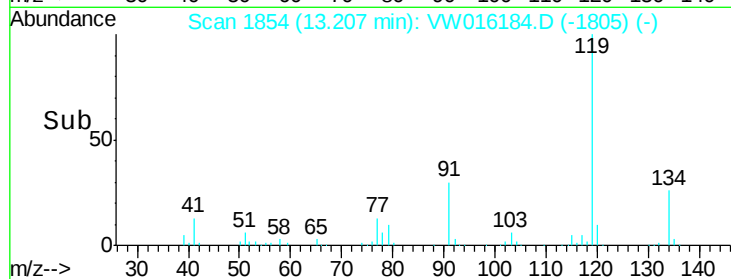
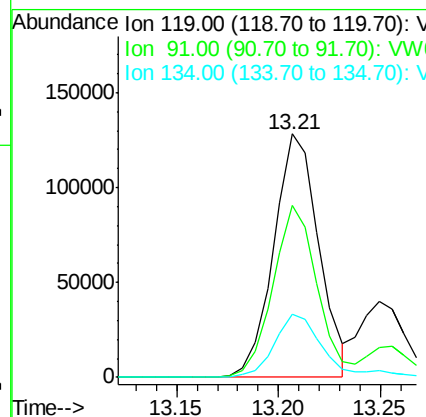
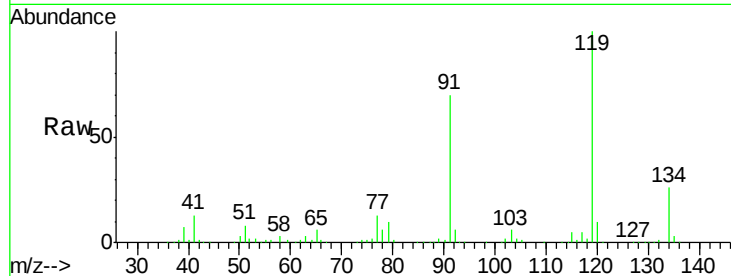
#83
tert-Butylbenzene
Concen: 20.824 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	197972		
91	69.6	33.3	99.9	
134	28.4	13.5	40.5	

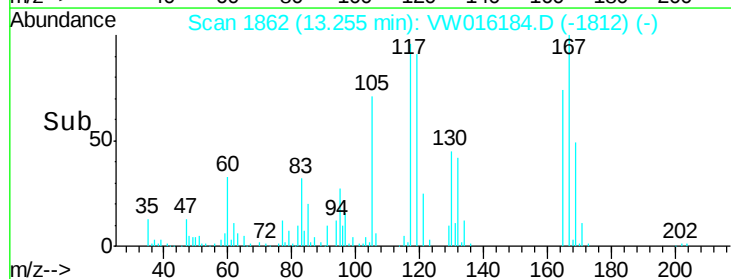
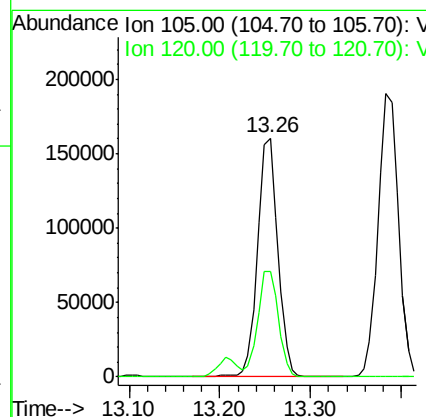
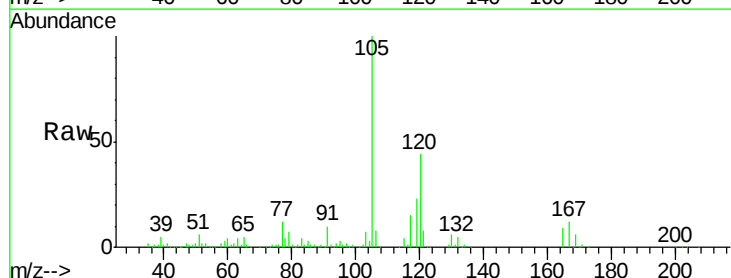
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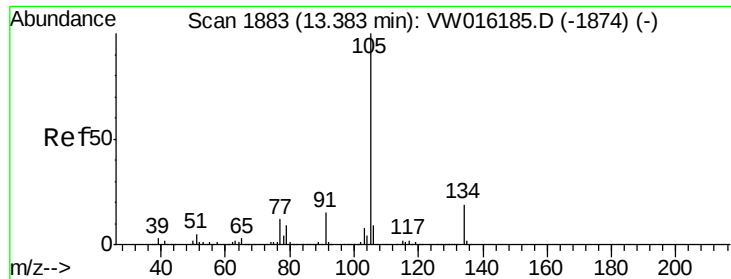
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#84
1,2,4-Trimethylbenzene
Concen: 21.769 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	249414		
120	45.2	22.2	66.6	





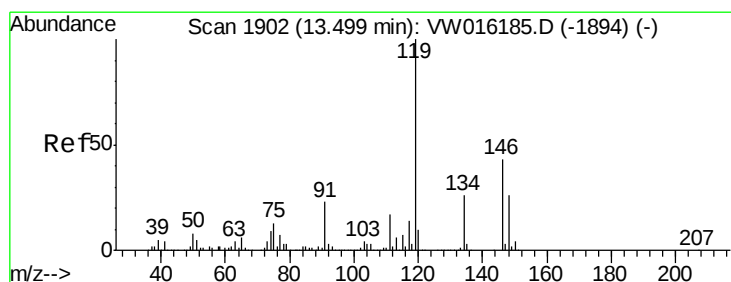
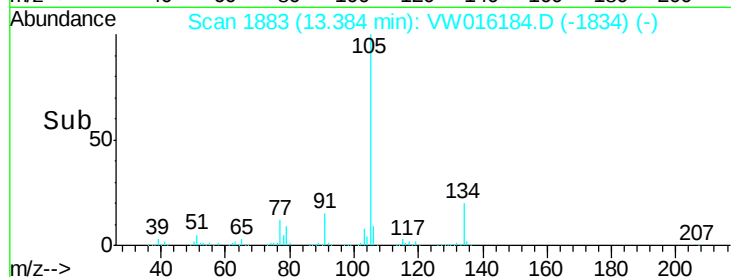
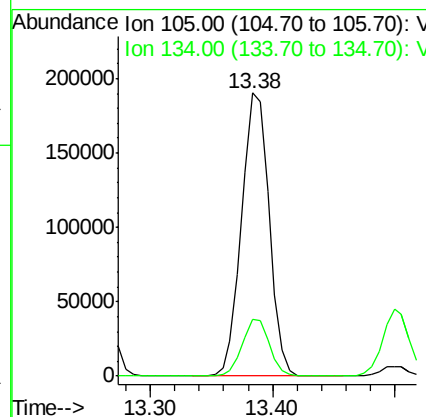
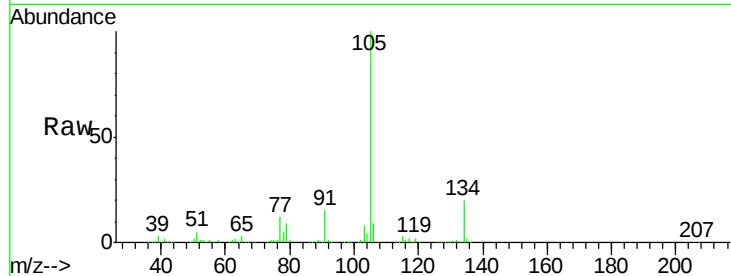
#85
 sec-Butylbenzene
 Concen: 21.596 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	296740		
134	19.9	9.8	29.4	

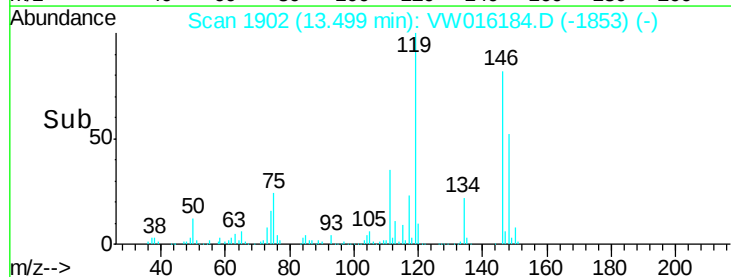
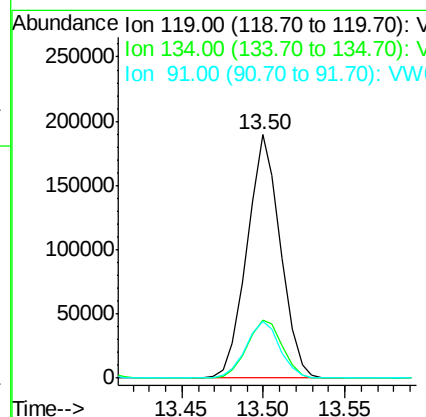
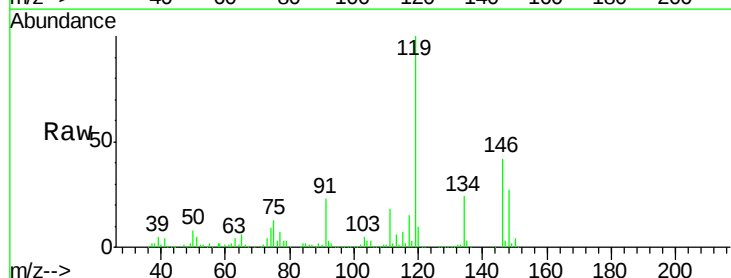
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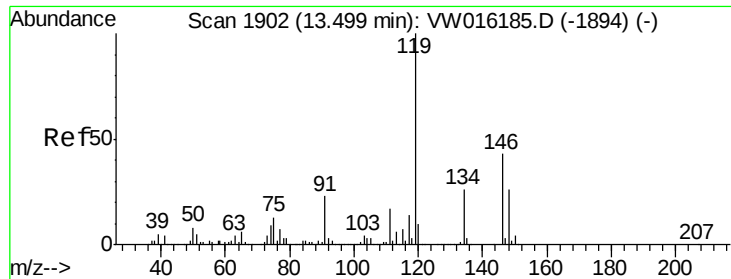
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#86
 p-Isopropyltoluene
 Concen: 21.457 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	269245		
134	25.3	12.8	38.4	
91	23.7	11.8	35.3	





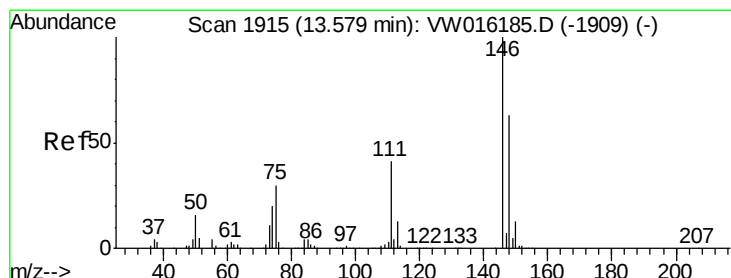
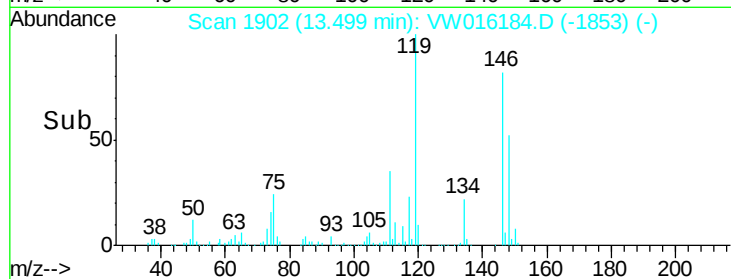
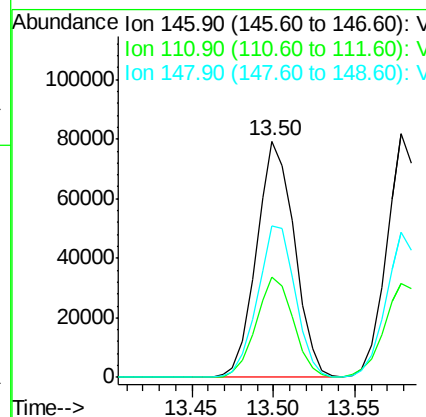
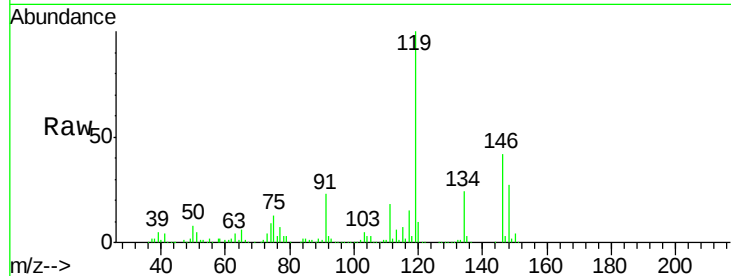
#87
 1,3-Dichlorobenzene
 Concen: 21.194 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	127925		
111	41.9	20.8	62.5	
148	63.8	31.1	93.5	

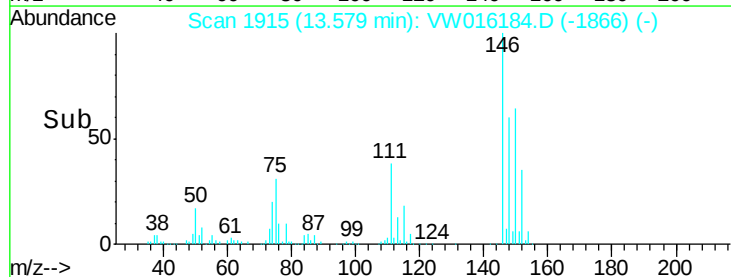
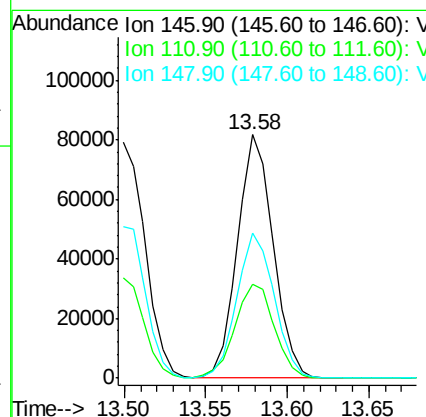
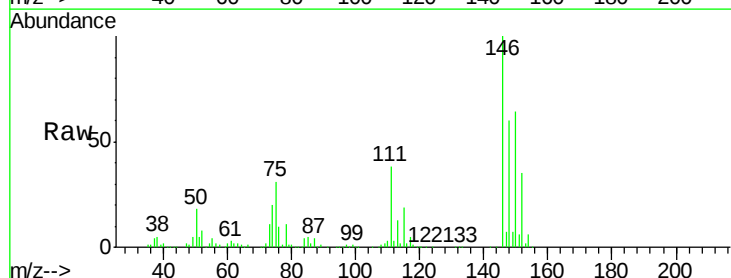
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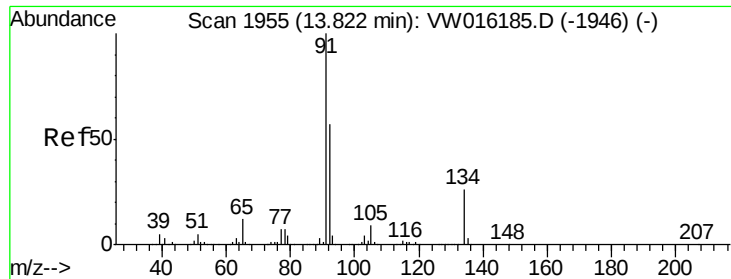
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#88
 1,4-Dichlorobenzene
 Concen: 21.215 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	125113		
111	42.5	20.8	62.2	
148	62.2	32.1	96.3	





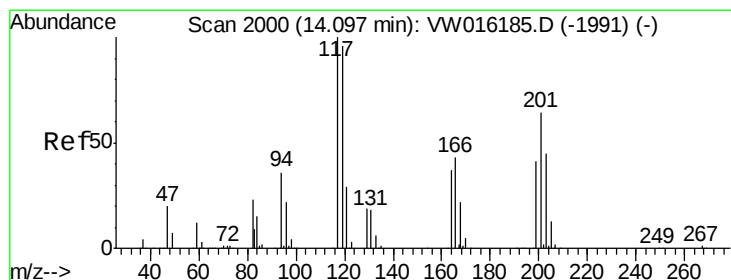
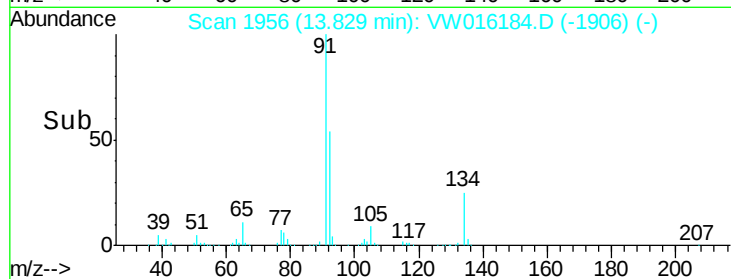
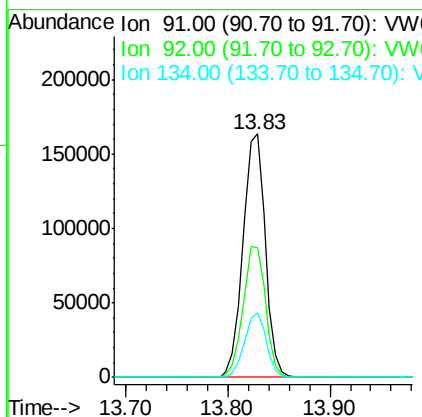
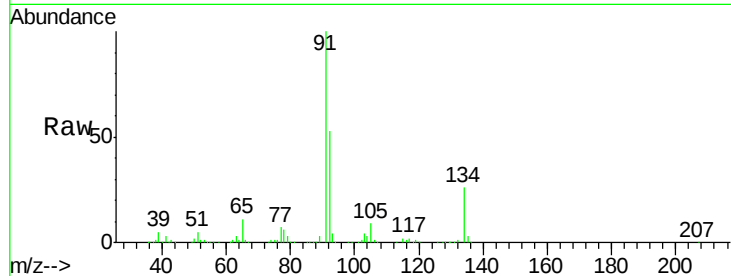
#89
n-Butylbenzene
Concen: 20.781 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	247510		
92	54.1		27.4	82.2
134	25.9		13.0	39.0

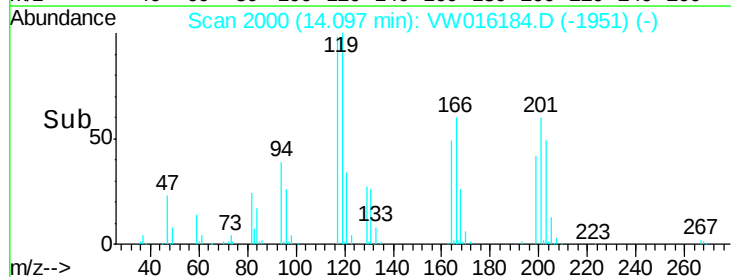
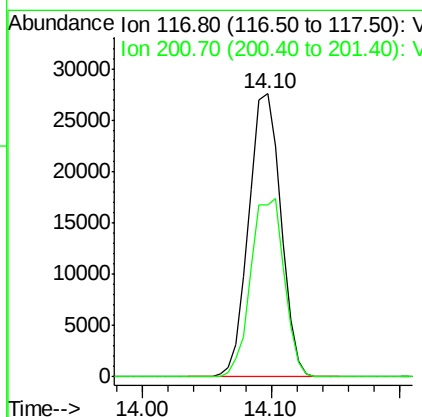
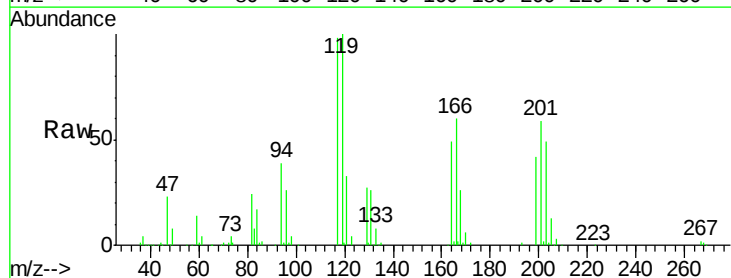
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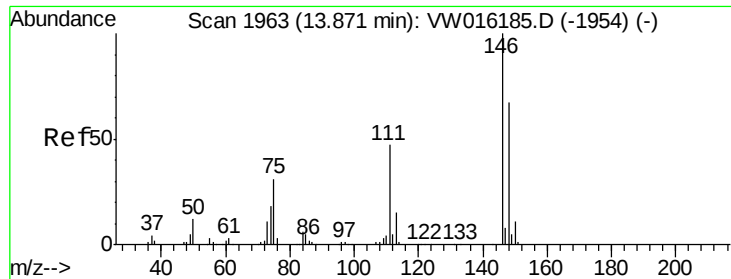
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#90
Hexachloroethane
Concen: 21.079 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47767		
201	65.2		33.8	101.3





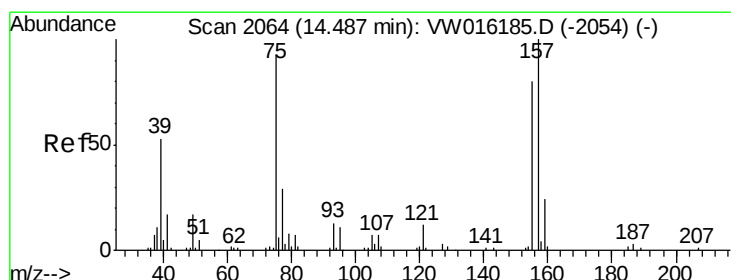
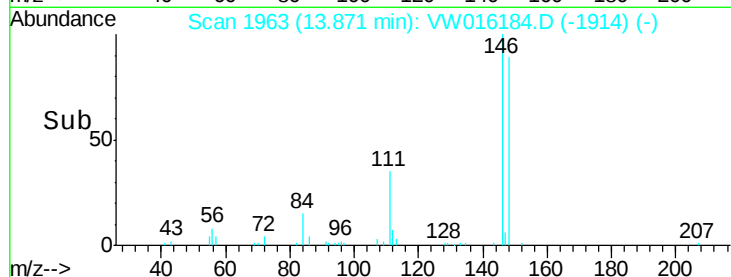
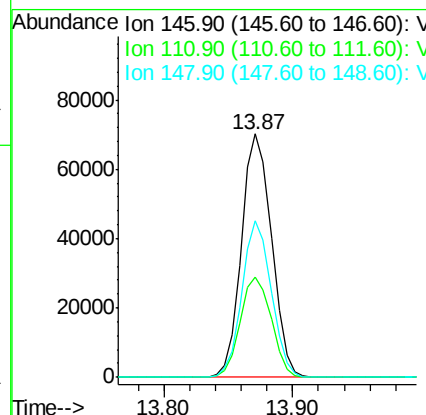
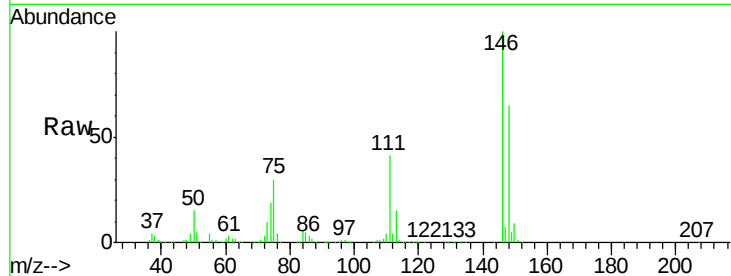
#91
 1,2-Dichlorobenzene
 Concen: 21.820 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.9	65.8
148	62.8	32.1	96.3

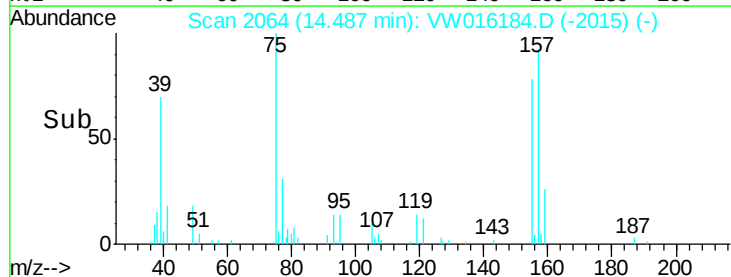
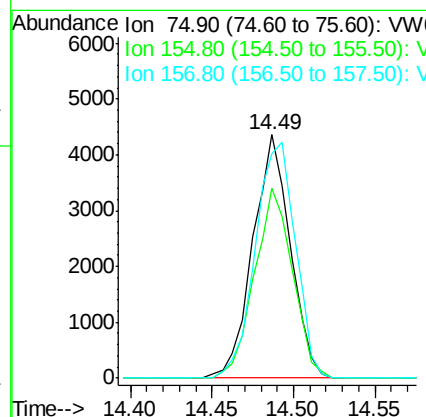
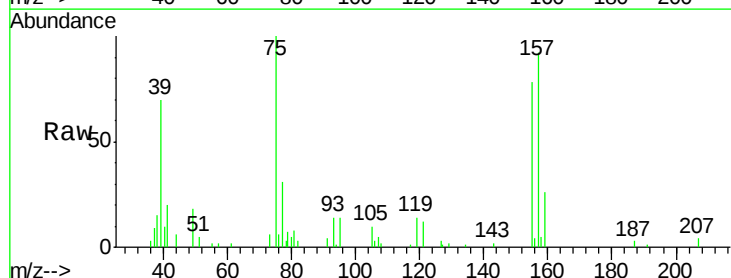
Manual Integrations
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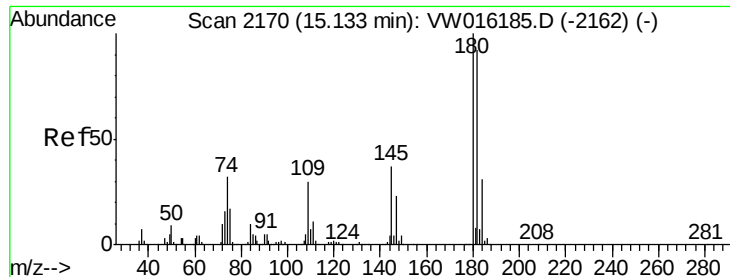
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.414 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	41.3	124.1
157	103.9	53.0	159.0





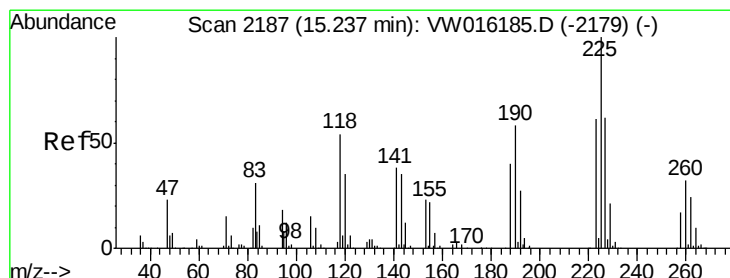
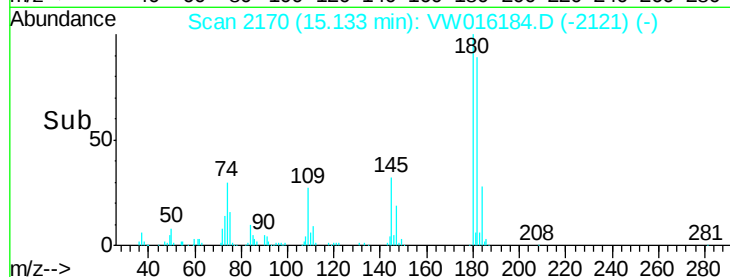
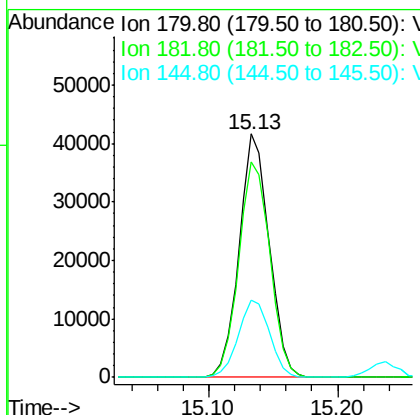
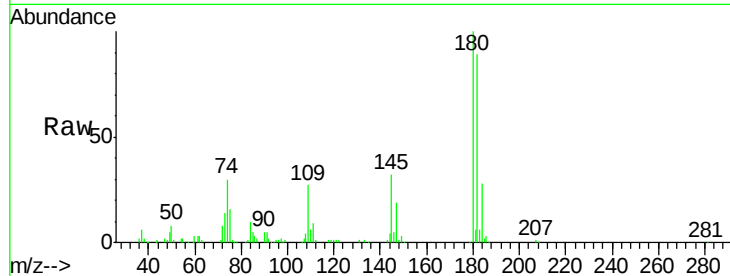
#93
 1,2,4-Trichlorobenzene
 Concen: 20.499 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	67028		
182	91.9	46.0	138.0	
145	32.9	16.9	50.7	

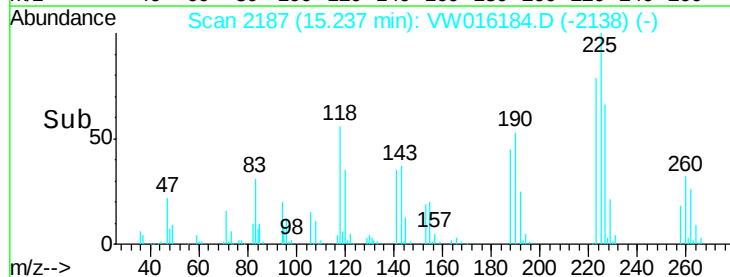
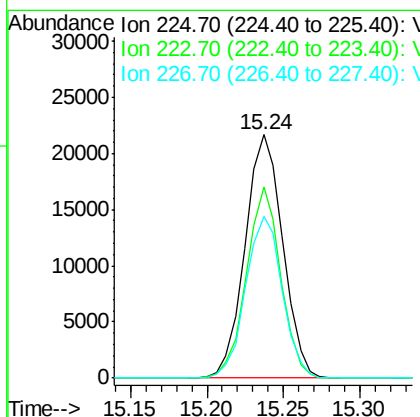
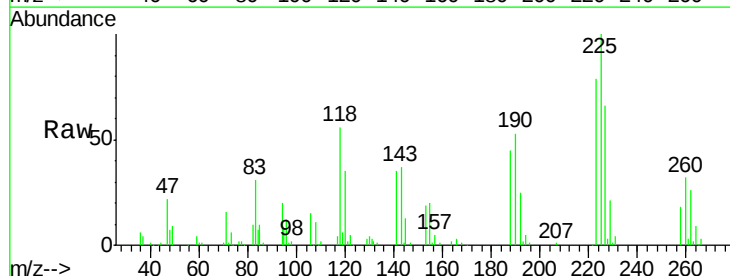
Manual Integrations
 APPROVED

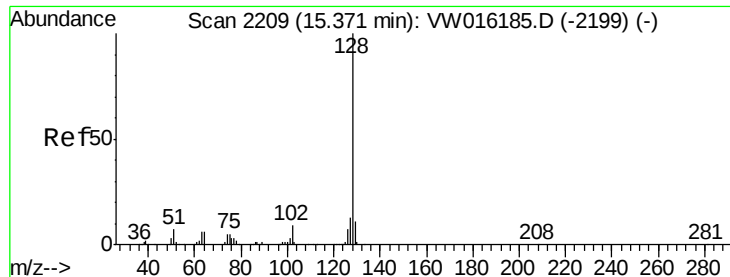
MMDadoda
 8/17/2020 5:46:26 PM



#94
 Hexachlorobutadiene
 Concen: 18.187 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW016184.D
 Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37097		
223	71.5	33.0	99.0	
227	64.4	32.0	96.2	





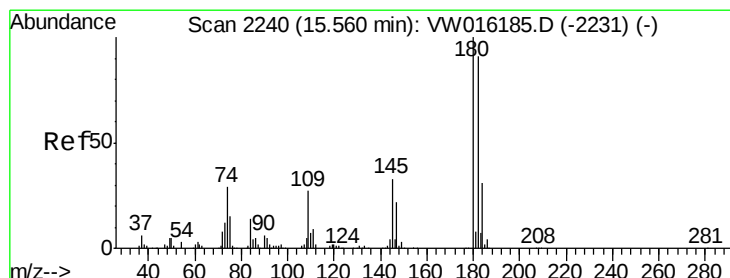
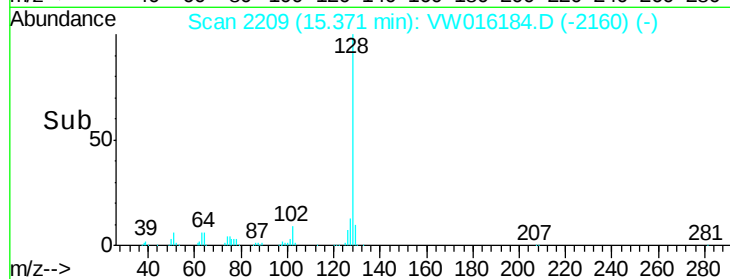
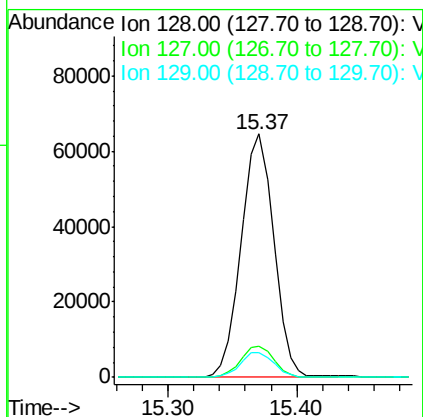
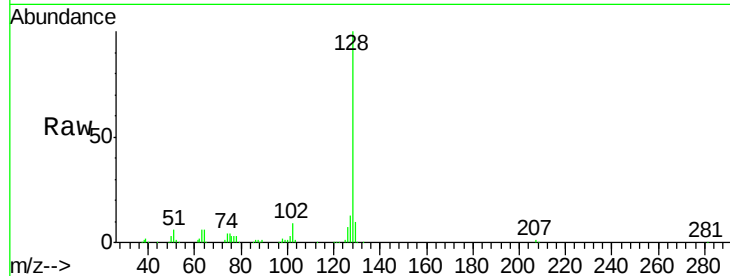
#95
Naphthalene
Concen: 20.227 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	113600		
127	12.9	10.2	15.4	
129	10.5	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
8/17/2020 5:46:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.603 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016184.D
Acq: 14 Aug 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	55190		
182	97.8	47.7	143.1	
145	36.2	17.4	52.3	

