

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015520.D
 Acq On : 02 Jun 2020 11:26
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:00:11 PM

Quant Time: Jun 02 13:24:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	382747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	12739	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
35) Dibromofluoromethane	7.89	113	11033	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
50) Toluene-d8	10.32	98	45159	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.62	95	15900	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.02	85	5434	3.927	ug/l	86
3) Chloromethane	2.22	50	8579	4.988	ug/l	98
4) Vinyl Chloride	2.37	62	12063	4.612	ug/l	95
5) Bromomethane	2.78	94	8583	4.199	ug/l	98
6) Chloroethane	2.93	64	7543	4.188	ug/l	96
7) Trichlorofluoromethane	3.26	101	8214	4.252	ug/l	96
8) Diethyl Ether	3.68	74	5322	4.373	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	11239	4.989	ug/l	98
10) Methyl Iodide	4.27	142	16190	4.753	ug/l	97
11) Tert butyl alcohol	5.18	59	7390	46.292	ug/l	94
12) 1,1-Dichloroethene	4.04	96	11139	4.793	ug/l	91
13) Acrolein	3.90	56	3933	20.990	ug/l	87
14) Allyl chloride	4.67	41	19036	4.680	ug/l	96
15) Acrylonitrile	5.38	53	10366	20.746	ug/l	97
16) Acetone	4.12	43	11365	24.946	ug/l	98
17) Carbon Disulfide	4.39	76	31814	4.485	ug/l	99
18) Methyl Acetate	4.69	43	6264	5.620	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	16552	4.390	ug/l	93
20) Methylene Chloride	4.93	84	15422	5.714	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	12277	4.641	ug/l	96
22) Diisopropyl ether	6.32	45	33621	4.232	ug/l	93
23) Vinyl Acetate	6.26	43	91680	18.887	ug/l	98
24) 1,1-Dichloroethane	6.22	63	22318	4.677	ug/l	97
25) 2-Butanone	7.18	43	15775	23.604	ug/l	92
26) 2,2-Dichloropropane	7.17	77	18491	5.825	ug/l	91
27) cis-1,2-Dichloroethene	7.18	96	13176	4.574	ug/l	90
28) Bromochloromethane	7.52	49	8671	4.576	ug/l	98
29) Tetrahydrofuran	7.54	42	9036	21.156	ug/l	97
30) Chloroform	7.68	83	22022	4.634	ug/l	98
31) Cyclohexane	7.95	56	25687	5.362	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	19247	4.823	ug/l	99
36) 1,1-Dichloropropene	8.09	75	18437	4.854	ug/l	98
37) Ethyl Acetate	7.26	43	7233	4.835	ug/l #	94
38) Carbon Tetrachloride	8.07	117	17734	4.935	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	22182	4.611	ug/l	90
40) Benzene	8.33	78	49069	4.717	ug/l	100
41) Methacrylonitrile	7.49	41	3634	3.809	ug/l	93
42) 1,2-Dichloroethane	8.40	62	14716	4.618	ug/l	100
43) Isopropyl Acetate	8.43	43	13121	4.168	ug/l	99
44) Trichloroethene	9.09	130	12946	4.794	ug/l	92
45) 1,2-Dichloropropane	9.37	63	11769	4.577	ug/l	99
46) Dibromomethane	9.46	93	5923	4.575	ug/l	95
47) Bromodichloromethane	9.65	83	15636	4.471	ug/l	97
48) Methyl methacrylate	9.44	41	5565	3.844	ug/l	95
49) 1,4-Dioxane	9.45	88	1540	91.901	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	31276	21.170	ug/l	96
52) Toluene	10.39	92	30639	4.542	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	14532	4.068	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	17808	4.256	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	8227	4.504	ug/l	92
56) Ethyl methacrylate	10.65	69	10072	4.037	ug/l	98
57) 1,3-Dichloropropane	10.93	76	14338	4.385	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	26278	22.127	ug/l	99
59) 2-Hexanone	10.97	43	19869	19.656	ug/l	98
60) Dibromochloromethane	11.13	129	9516	4.323	ug/l	100
61) 1,2-Dibromoethane	11.24	107	7470	4.314	ug/l	100
64) Tetrachloroethene	10.87	164	11002	5.312	ug/l	91
65) Chlorobenzene	11.66	112	32799	4.919	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	11305	4.771	ug/l	99
67) Ethyl Benzene	11.73	91	60146	4.722	ug/l	98
68) m/p-Xylenes	11.84	106	44331	9.349	ug/l	98
69) o-Xylene	12.16	106	20354	4.575	ug/l	97
70) Styrene	12.18	104	33408	4.362	ug/l	98
71) Bromoform	12.35	173	4900	4.223	ug/l #	98
73) Isopropylbenzene	12.46	105	58680	4.810	ug/l	100
74) N-amyl acetate	12.27	43	11539	3.992	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	8632	4.478	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	6175m	4.651	ug/l	
77) Bromobenzene	12.75	156	12311	4.728	ug/l	98
78) n-propylbenzene	12.80	91	71047	4.860	ug/l	99
79) 2-Chlorotoluene	12.90	91	39349	4.770	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	48977	4.778	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	2506	3.670	ug/l	88
82) 4-Chlorotoluene	12.99	91	40737	4.676	ug/l	99
83) tert-Butylbenzene	13.21	119	41615	4.758	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	48098	4.688	ug/l	100
85) sec-Butylbenzene	13.38	105	58740	4.767	ug/l	99
86) p-Isopropyltoluene	13.50	119	53571	4.767	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	25176	4.890	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	25509	4.983	ug/l	92
89) n-Butylbenzene	13.82	91	51292	4.687	ug/l	99
90) Hexachloroethane	14.09	117	9909	4.776	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	21574	4.794	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1464	4.347	ug/l	90

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ClientSampleId :
VSTDICC005

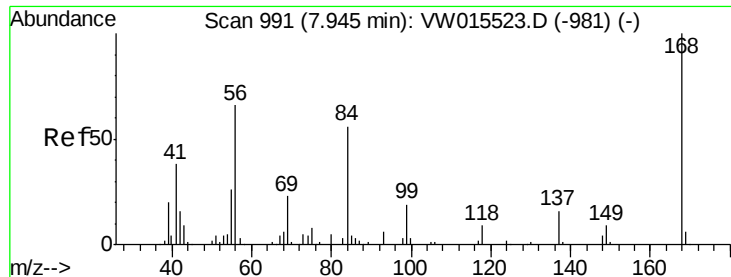
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	14247	4.715	ug/l	100
94) Hexachlorobutadiene	15.24	225	9197	5.139	ug/l	97
95) Naphthalene	15.37	128	22638	4.175	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	11947	4.591	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 238721

Ion Ratio Lower Upper

168 100

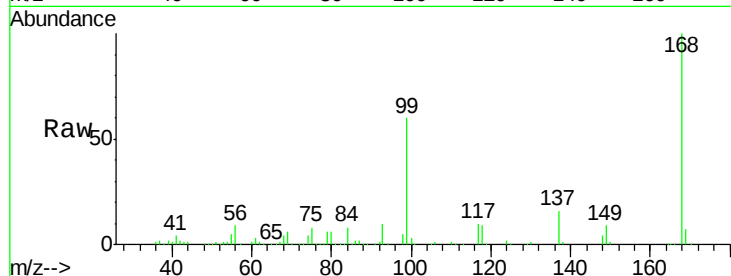
99 59.9 48.6 73.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

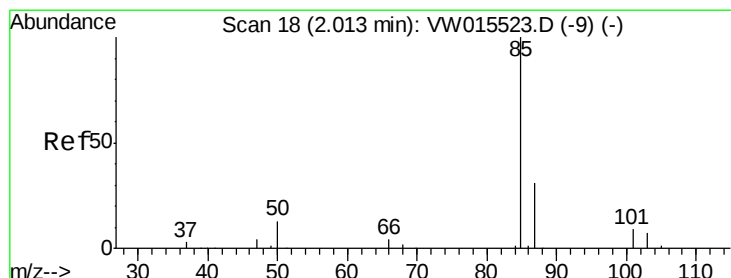
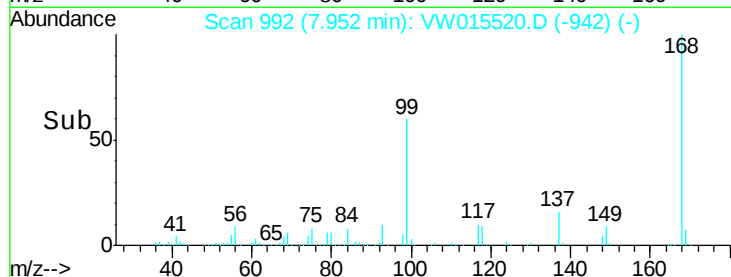
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.927 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW015520.D

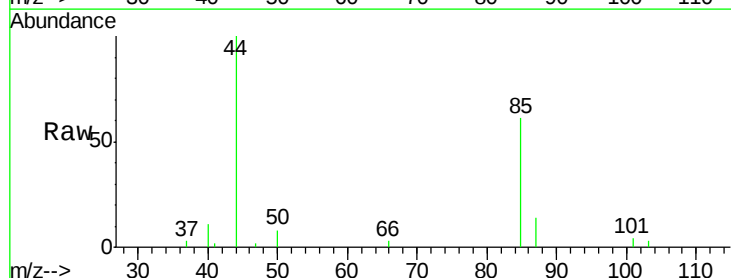
Acq: 02 Jun 2020 11:26

Tgt Ion: 85 Resp: 5434

Ion Ratio Lower Upper

85 100

87 23.3 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

2000

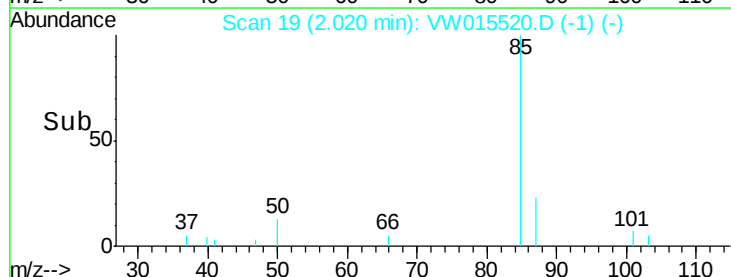
1500

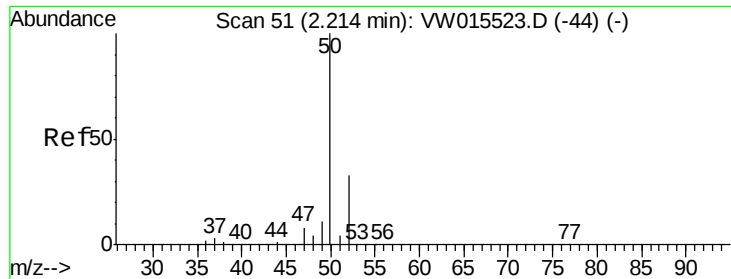
1000

500

0

Time--> 2.00 2.10





#3

Chloromethane

Concen: 4.988 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8579

Ion Ratio Lower Upper

50 100

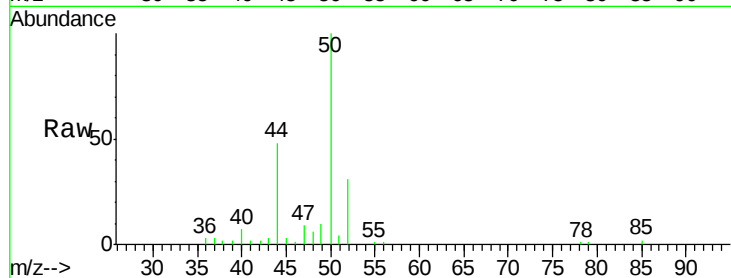
52 31.5 26.0 39.0

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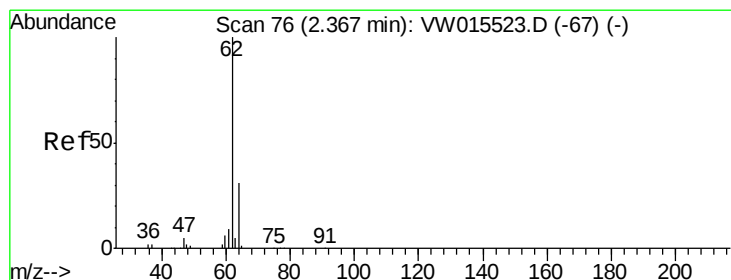
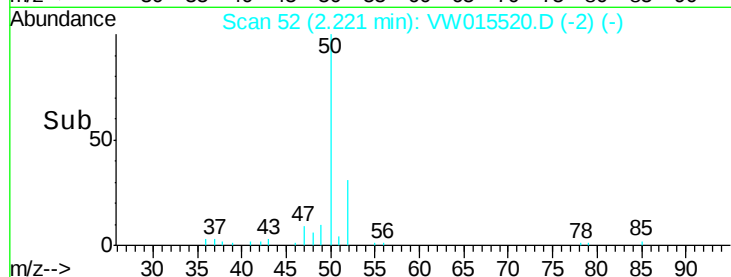
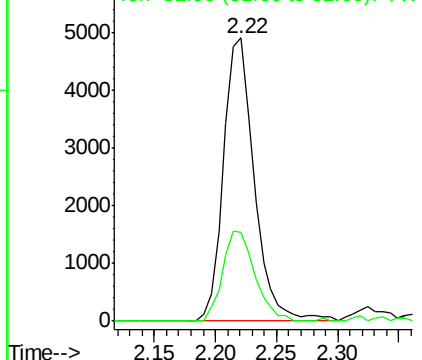
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 4.612 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015520.D

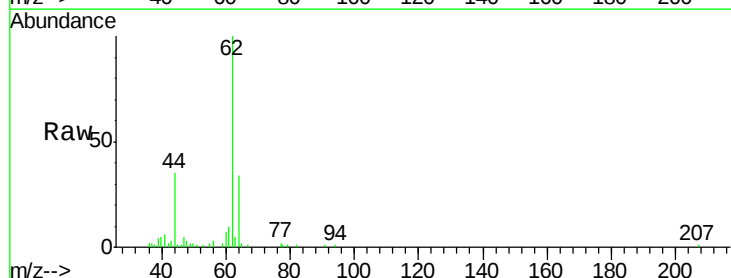
Acq: 02 Jun 2020 11:26

Tgt Ion: 62 Resp: 12063

Ion Ratio Lower Upper

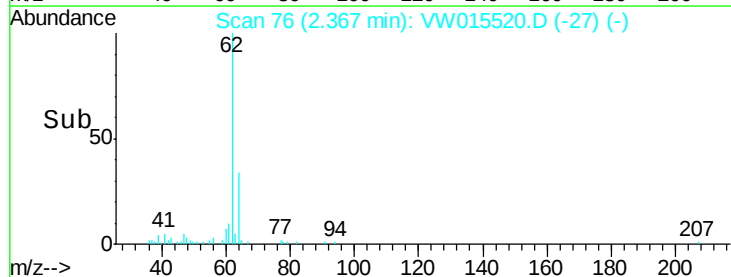
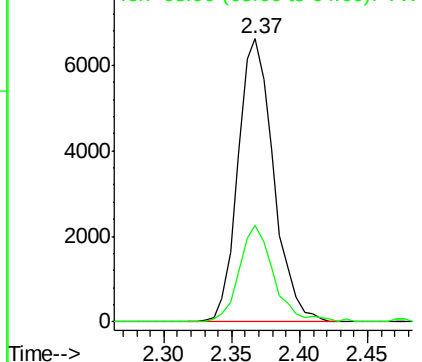
62 100

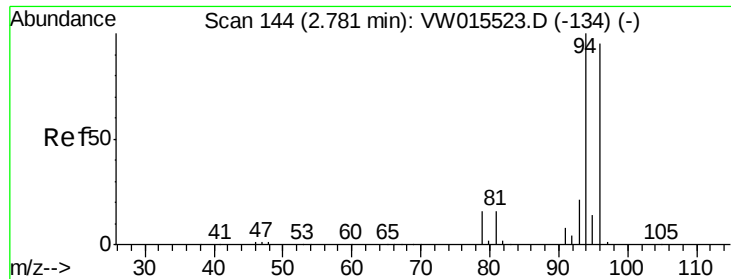
64 34.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 4.199 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8583

Ion Ratio Lower Upper

94 100

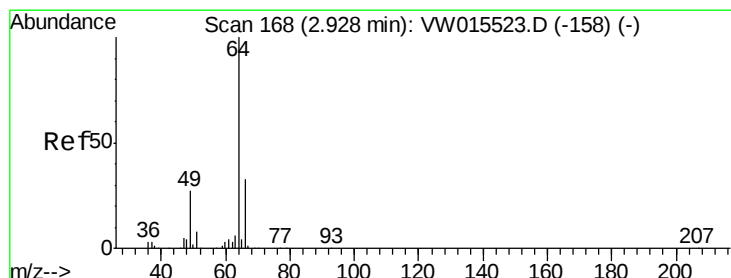
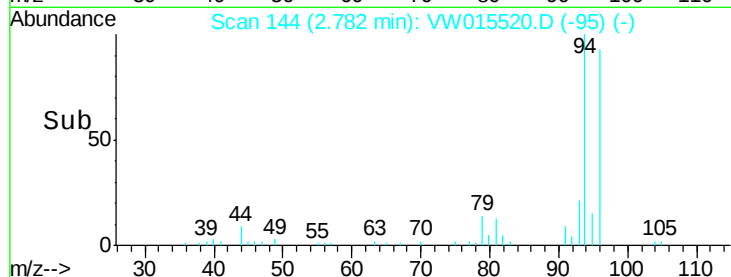
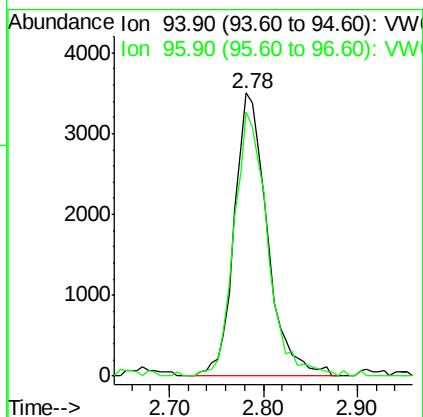
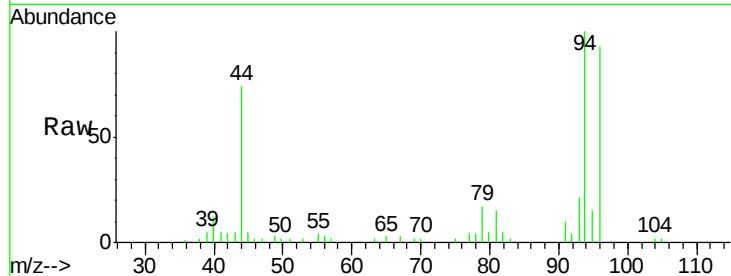
96 93.2 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 4.188 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW015520.D

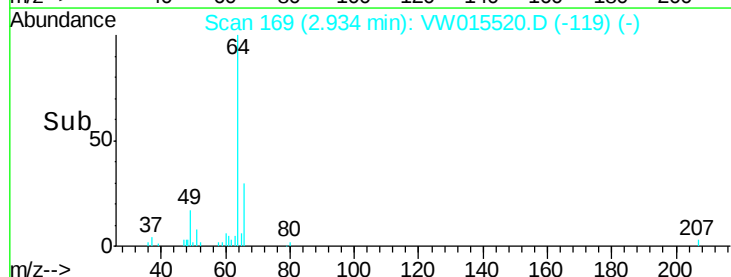
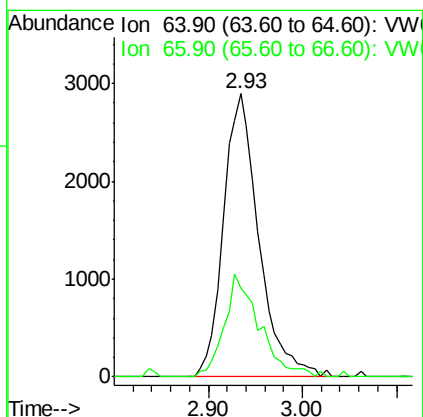
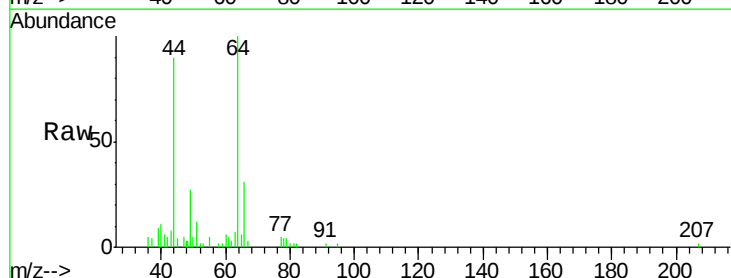
Acq: 02 Jun 2020 11:26

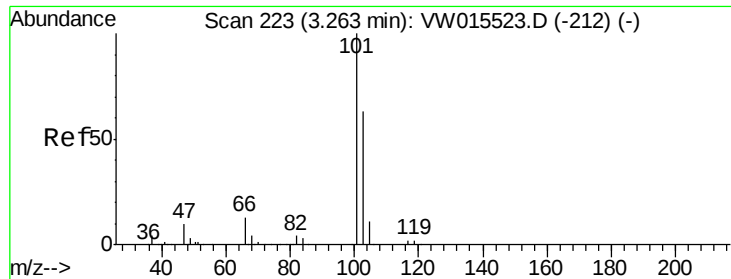
Tgt Ion: 64 Resp: 7543

Ion Ratio Lower Upper

64 100

66 31.2 26.8 40.2





#7

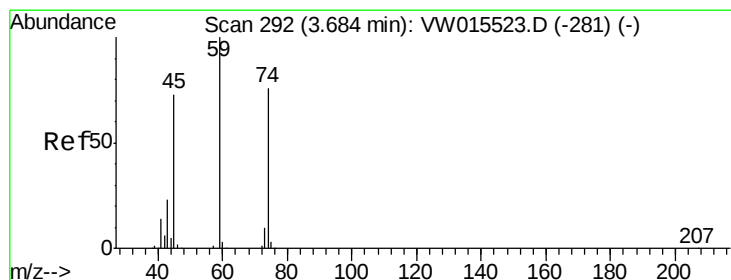
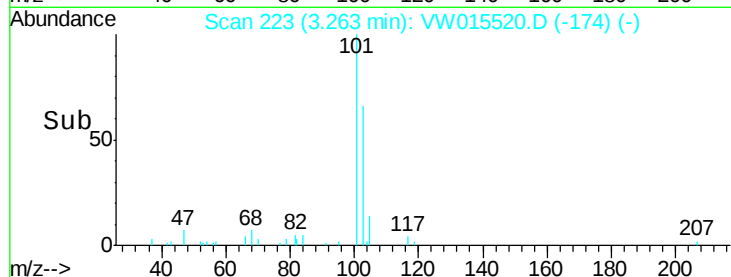
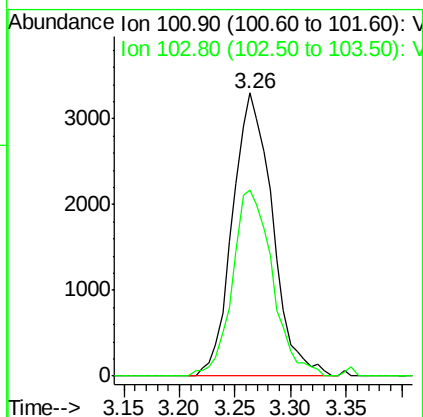
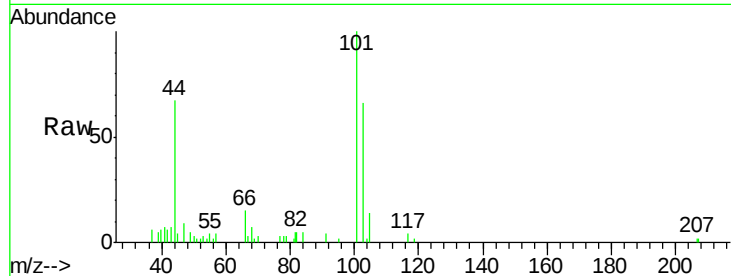
Trichlorofluoromethane
Concen: 4.252 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015520.D
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.2	75.2

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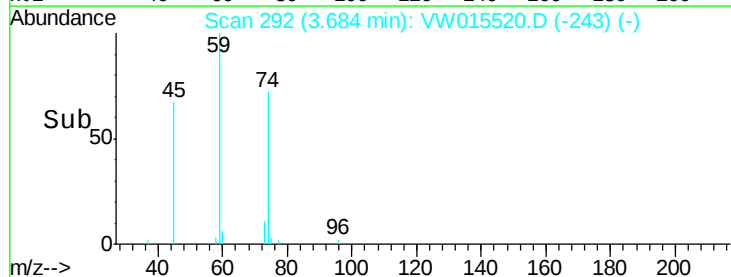
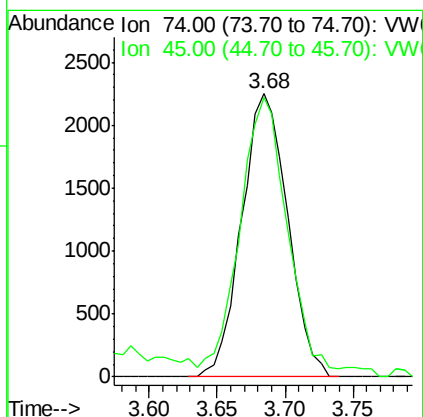
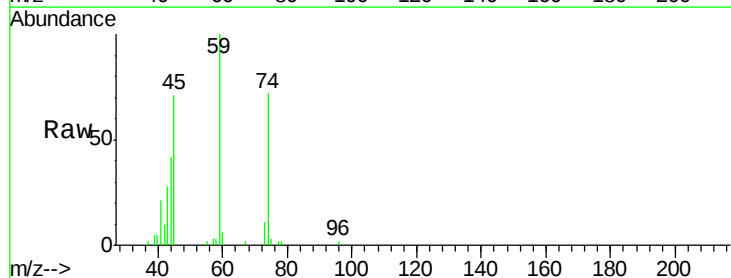
MMDadoda
6/2/2020 4:00:11 PM

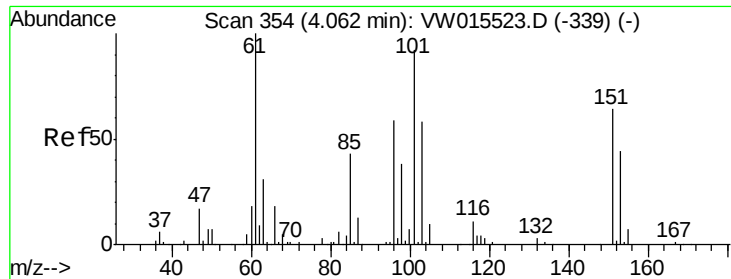


#8

Diethyl Ether
Concen: 4.373 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.989 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015520.D

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Instrument :

MSVOA_W

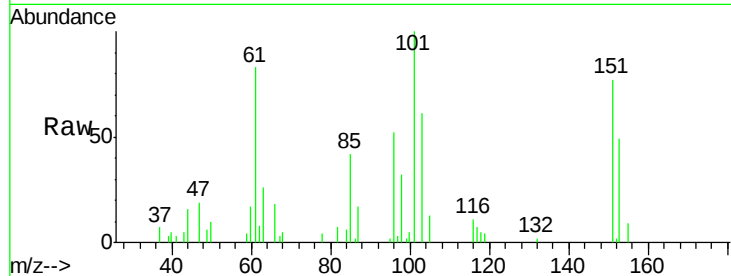
ClientSampleId :

VSTDIC005

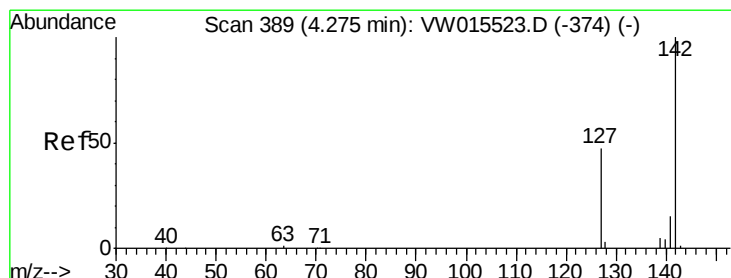
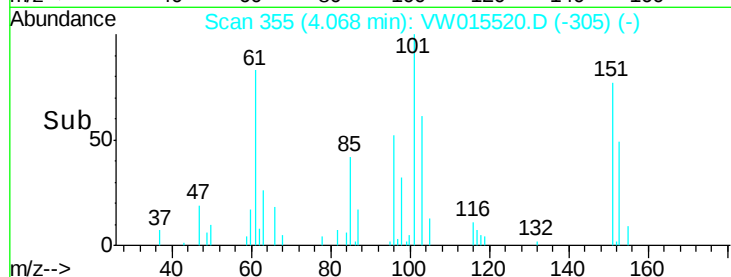
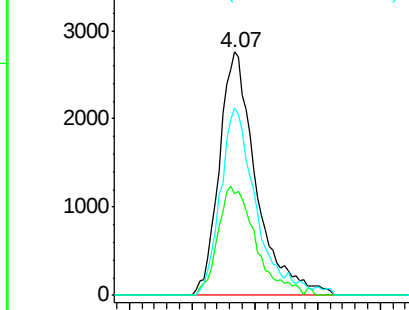
Tot Ion:	101	Resp:	11239
Ion Ratio	Lower	Upper	
101	100		
85	45.4	37.0	55.6
151	73.9	61.1	91.7

Manual Integrations
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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: 4.753 ug/l

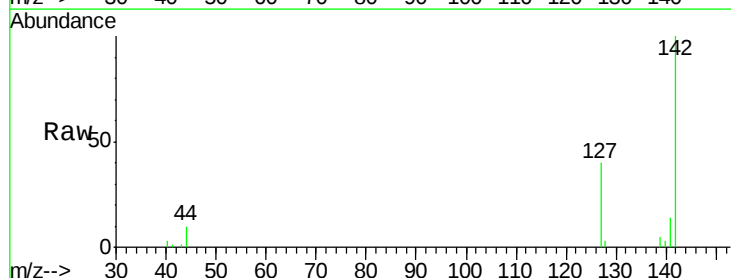
RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

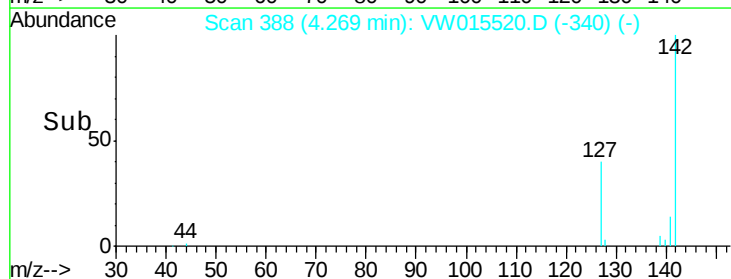
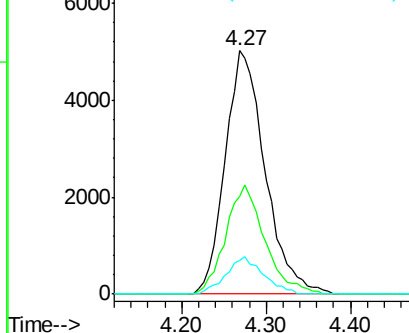
Lab File: VW015520.D

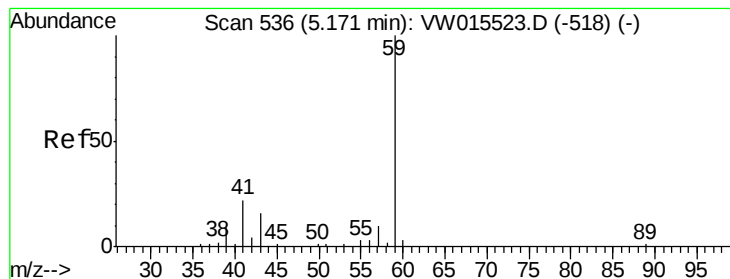
Acq: 02 Jun 2020 11:26

Tgt Ion:	142	Resp:	16190
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.9	55.3
141	14.2	11.7	17.5



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

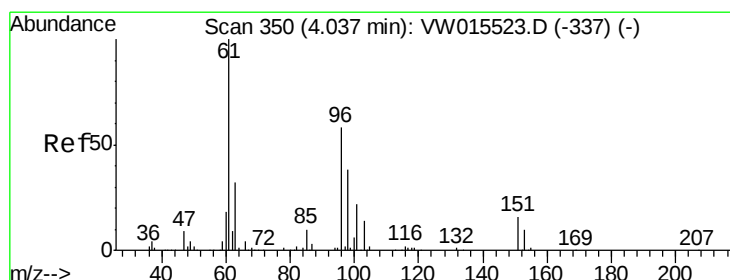
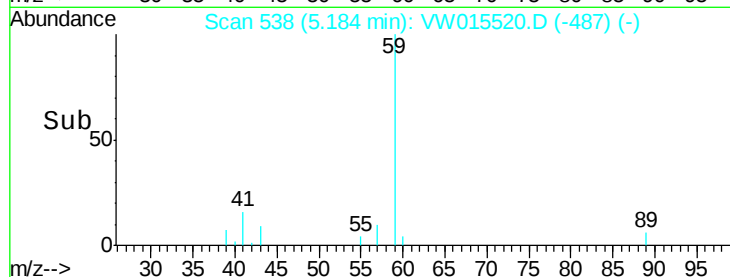
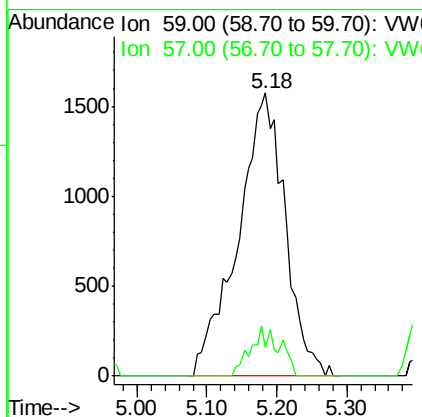
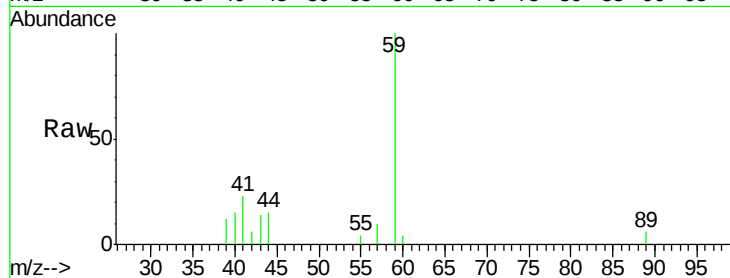
Tert butyl alcohol
 Concen: 46.292 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.3	12.5

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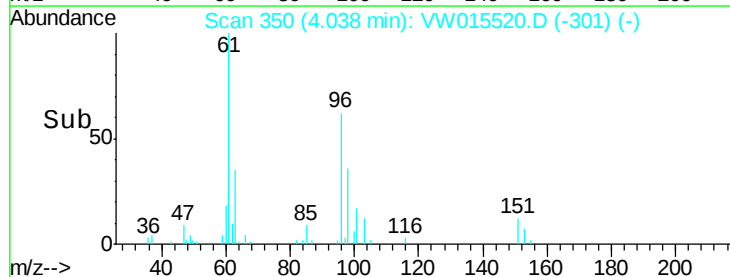
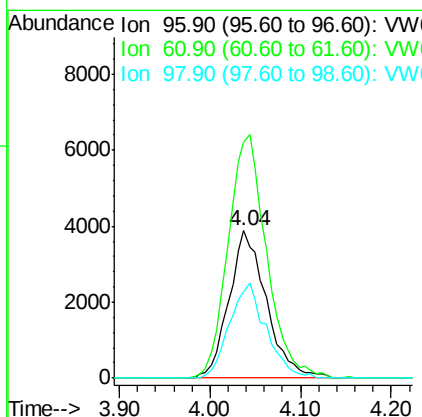
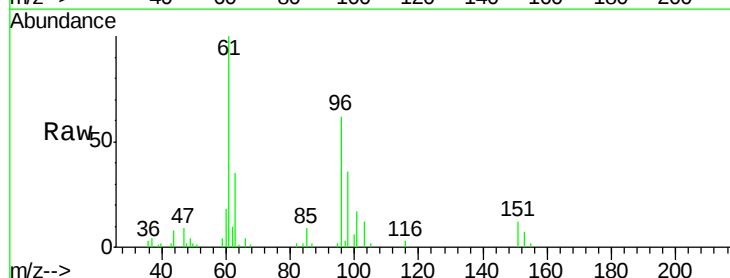
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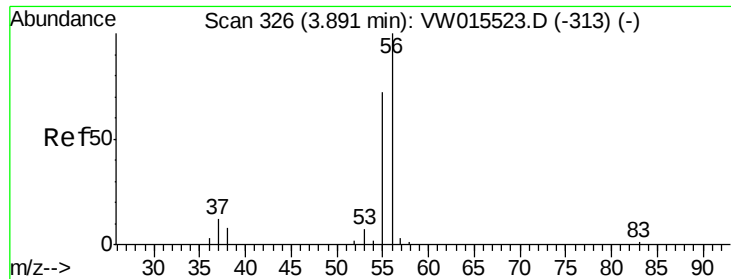


#12

1,1-Dichloroethene
 Concen: 4.793 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	138.3	207.5
98	58.3	52.2	78.4





#13

Acrolein

Concen: 20.990 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3933

Ion Ratio Lower Upper

56 100

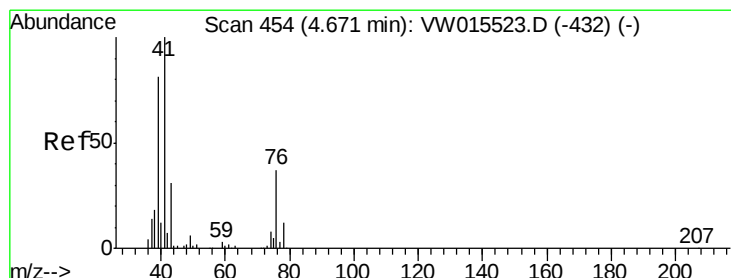
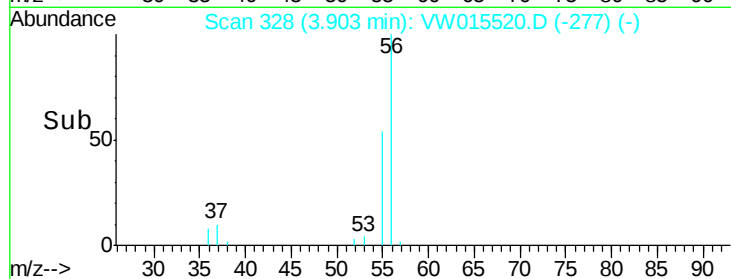
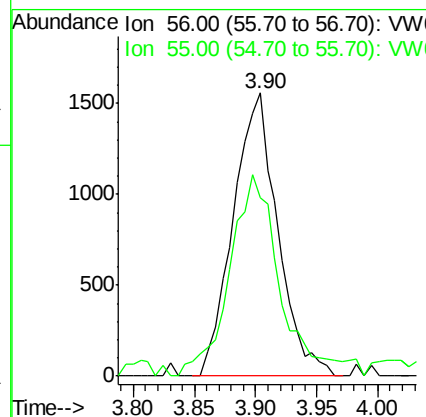
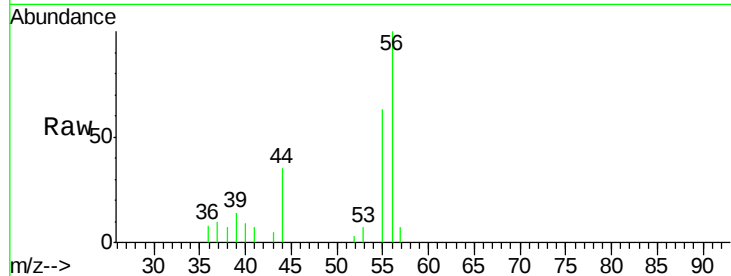
55 81.1 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 4.680 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

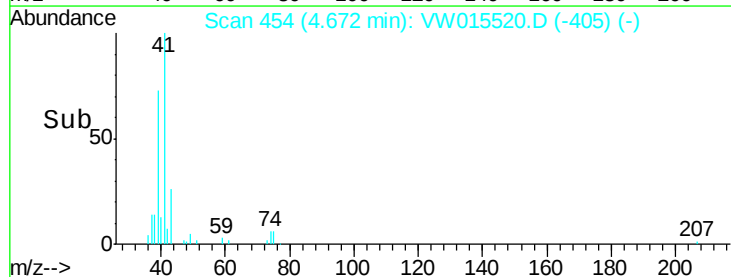
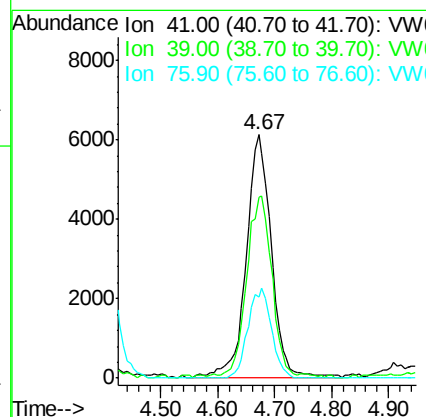
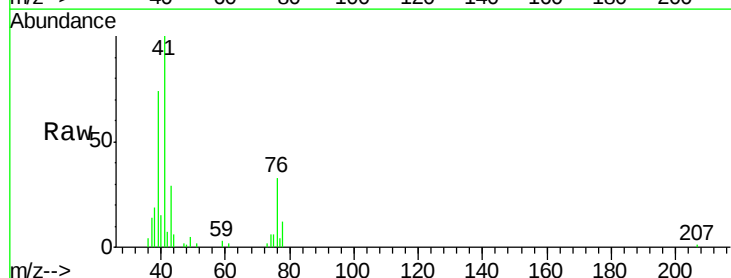
Tgt Ion: 41 Resp: 19036

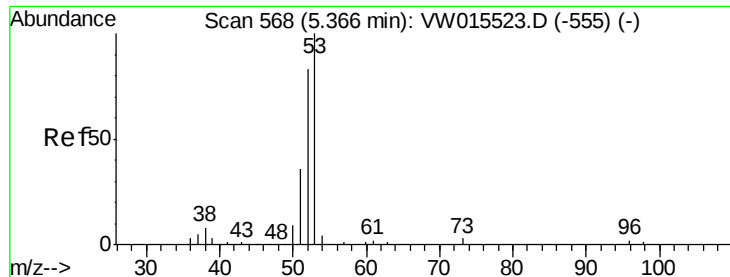
Ion Ratio Lower Upper

41 100

39 74.7 63.1 94.7

76 33.9 28.6 43.0





#15

Acrylonitrile

Concen: 20.746 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

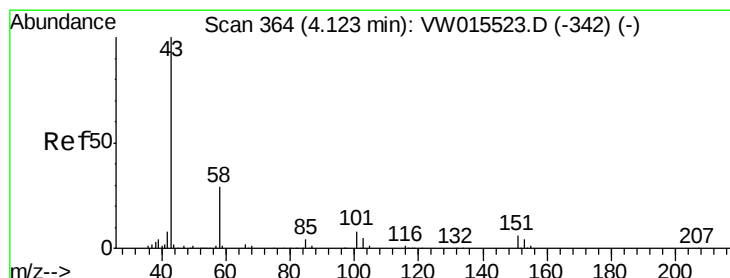
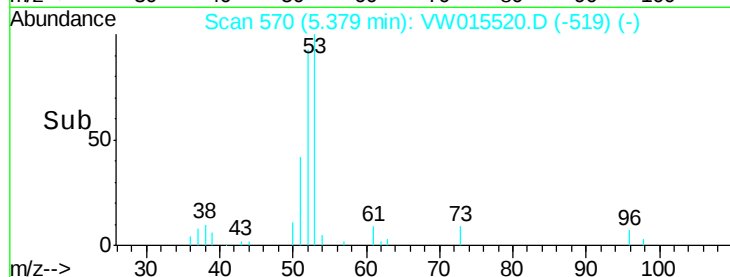
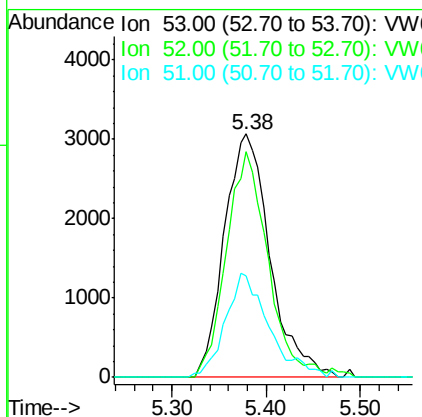
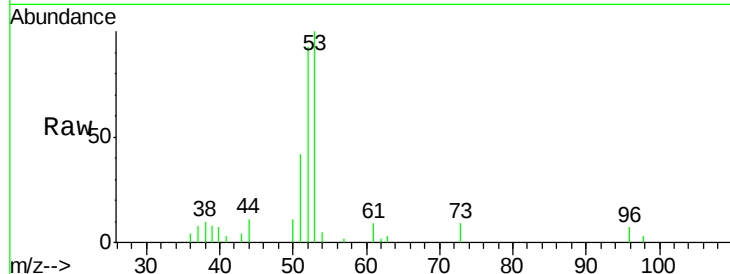
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10366
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.1	99.1
51	40.9	30.2	45.4

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#16

Acetone

Concen: 24.946 ug/l

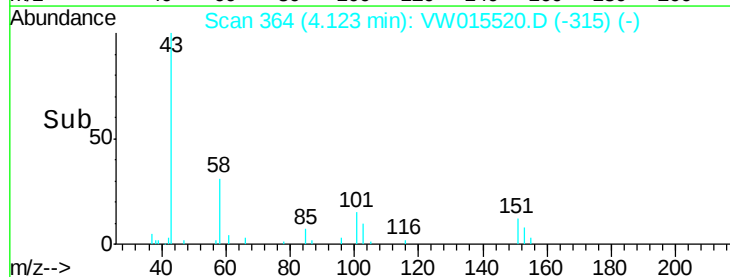
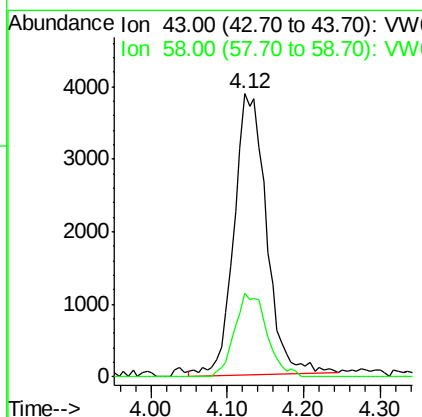
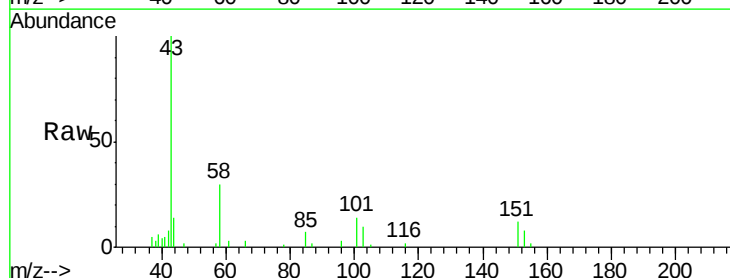
RT: 4.12 min Scan# 364

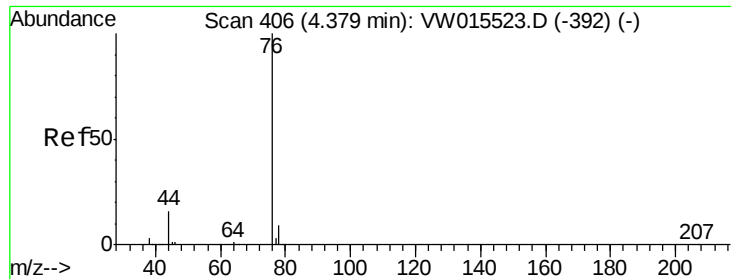
Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Tgt Ion:	43	Resp:	11365
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.1	34.7





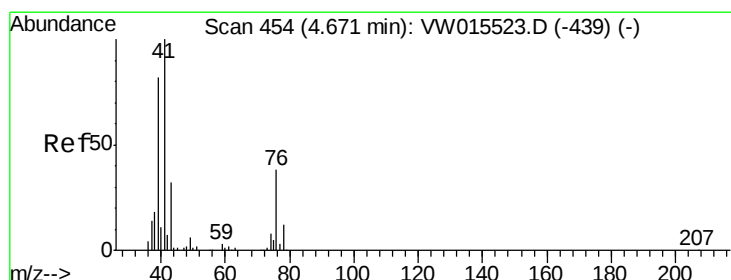
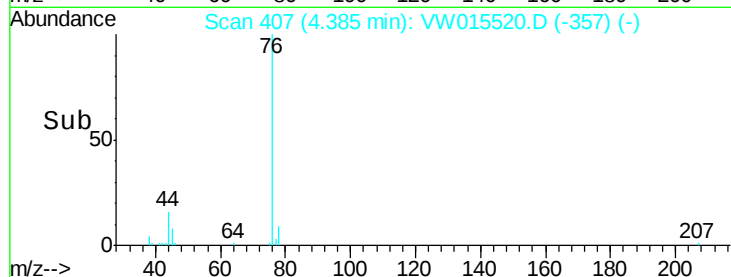
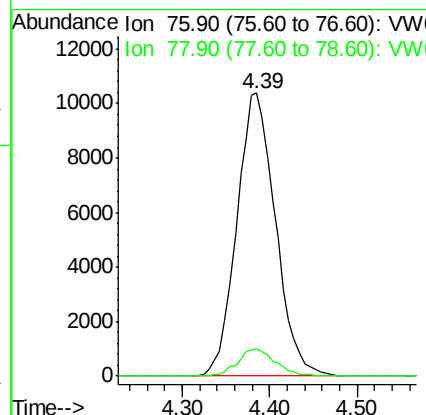
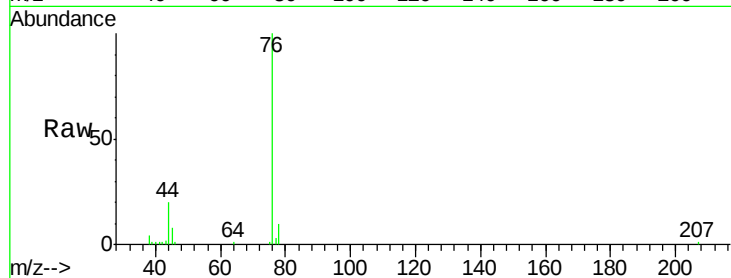
#17
Carbon Disulfide
Concen: 4.485 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.2

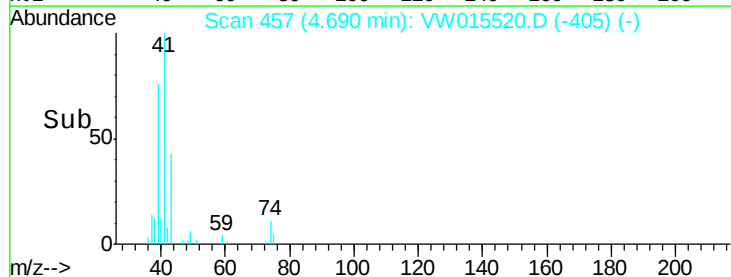
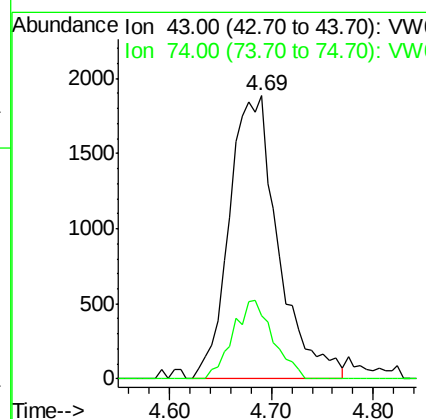
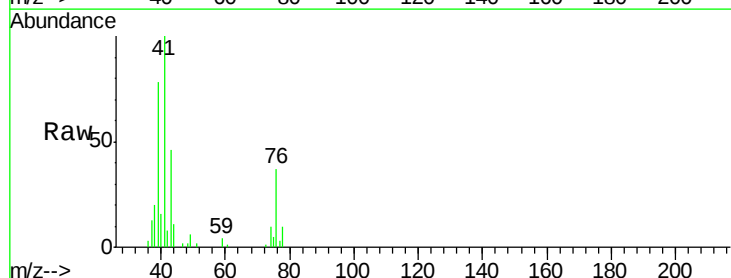
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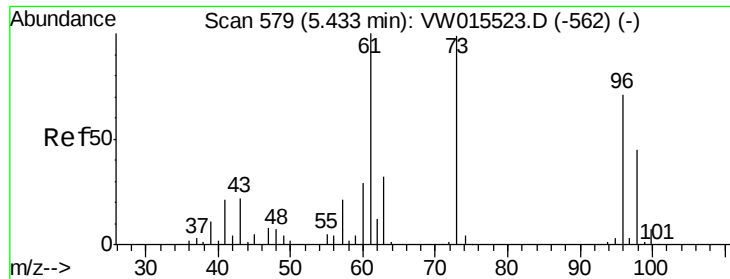
MMDadoda
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#18
Methyl Acetate
Concen: 5.620 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.8	28.2





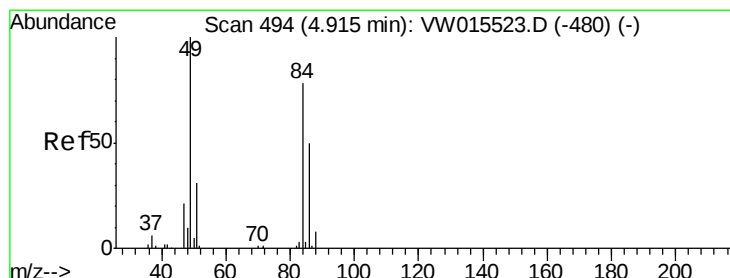
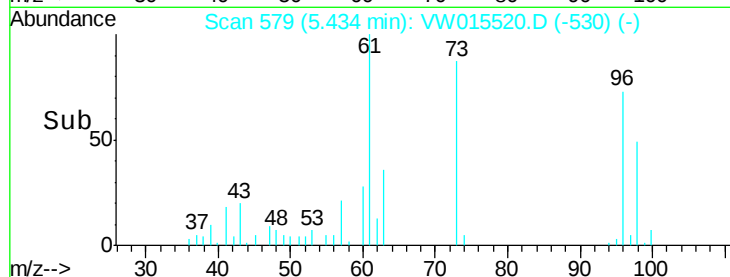
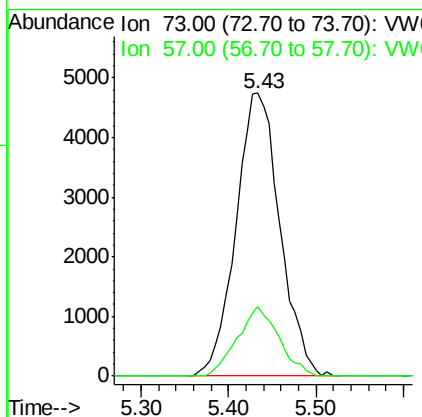
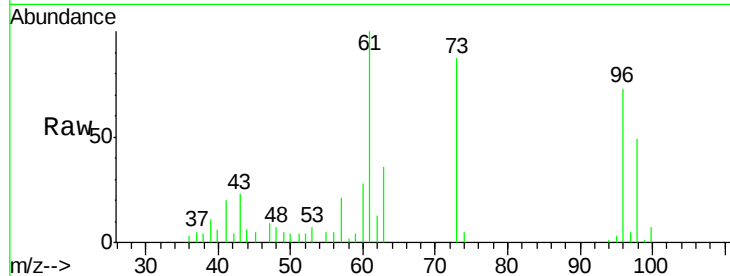
#19
Methvl tert-butvl Ether
Concen: 4.390 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 16552
Ion Ratio Lower Upper
73 100
57 24.7 17.1 25.7

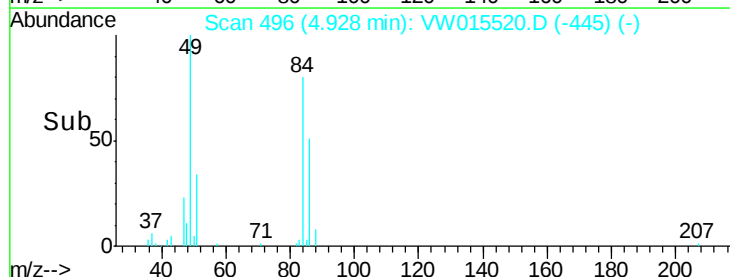
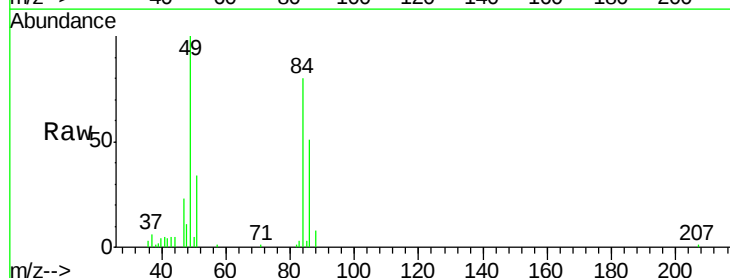
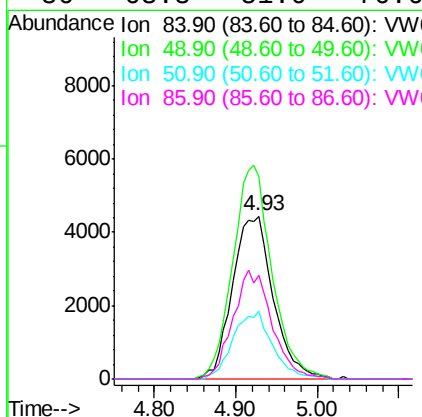
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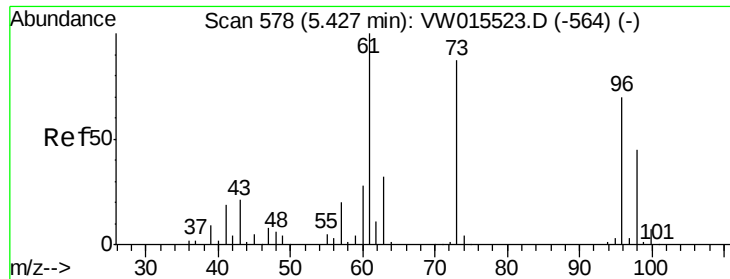
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#20
Methylene Chloride
Concen: 5.714 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion: 84 Resp: 15422
Ion Ratio Lower Upper
84 100
49 124.3 102.8 154.2
51 41.9 31.4 47.2
86 63.8 51.0 76.6





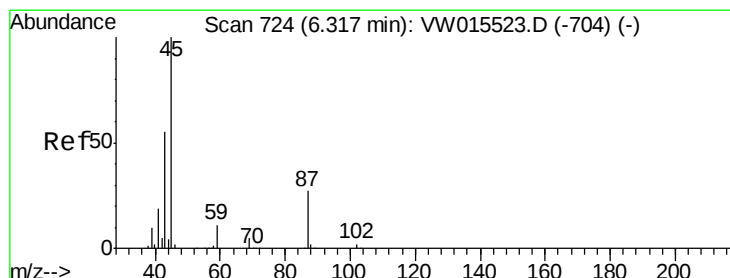
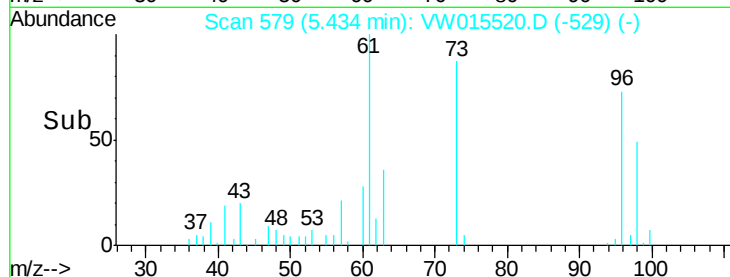
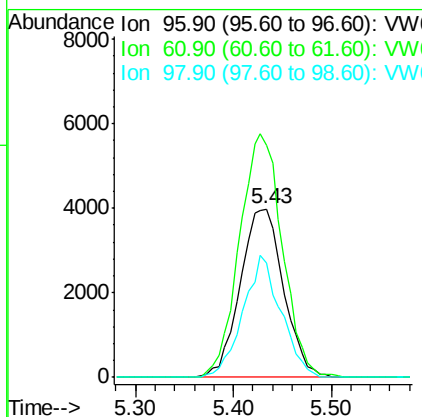
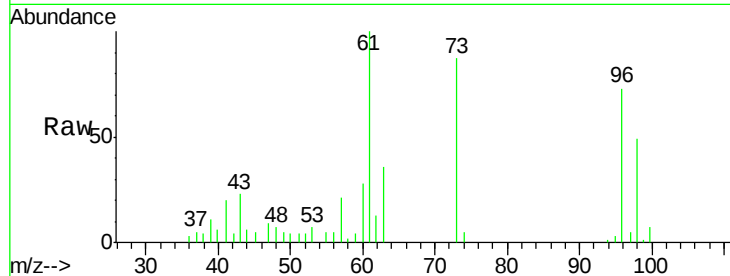
#21
trans-1,2-Dichloroethene
Concen: 4.641 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	114.3	171.5
98	67.6	51.0	76.4

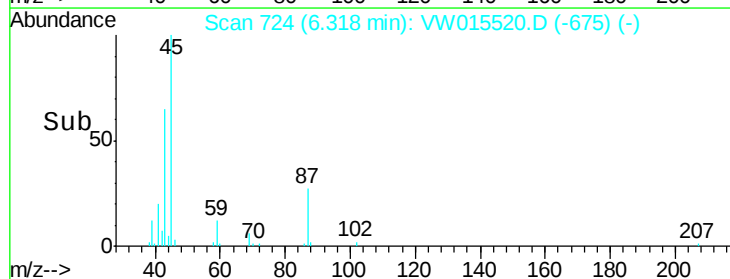
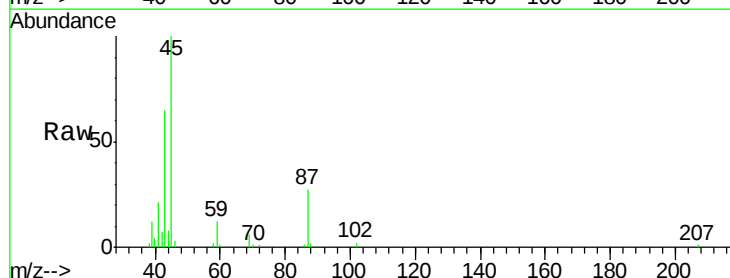
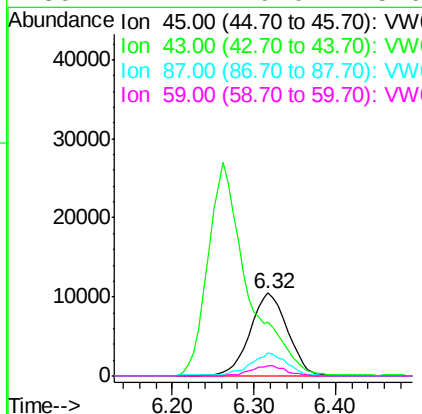
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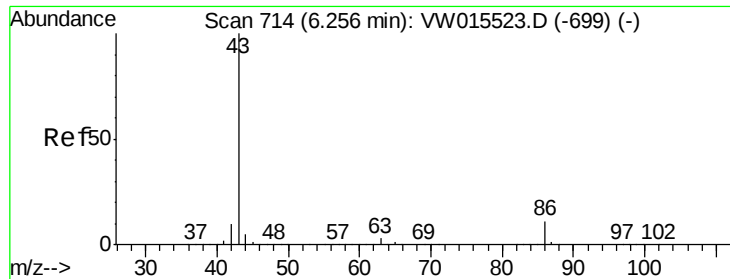
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#22
Diisopropyl ether
Concen: 4.232 ug/l
RT: 6.32 min Scan# 724
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.7	44.1	66.1
87	27.1	21.8	32.8
59	12.4	9.0	13.6





#23

Vinyl Acetate

Concen: 18.887 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 91680

Ion Ratio Lower Upper

43 100

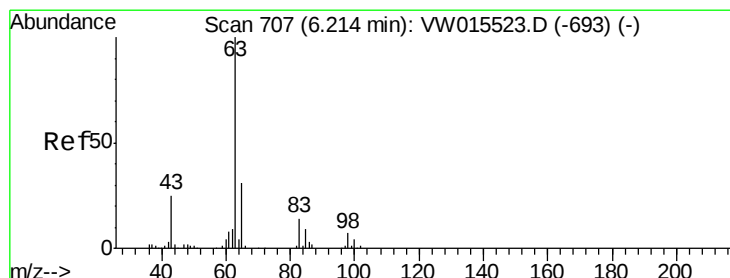
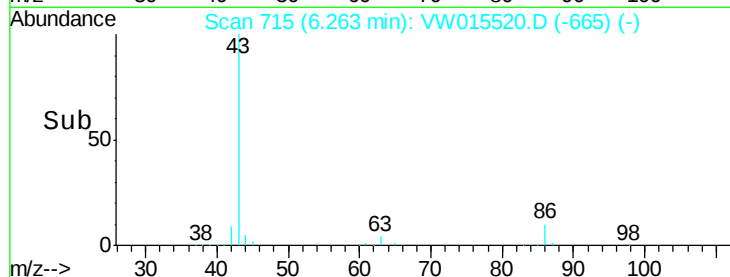
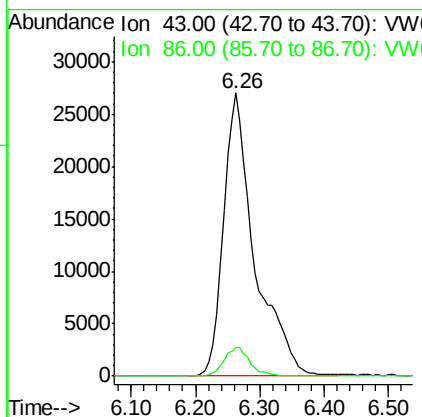
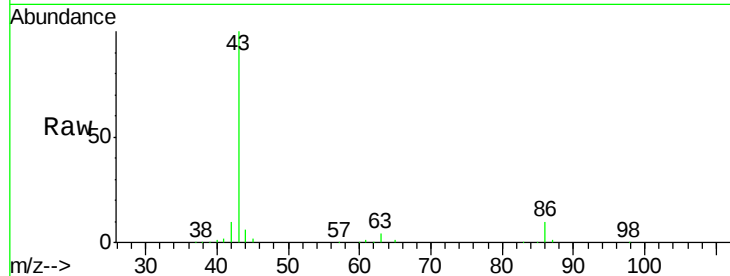
86 9.9 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 4.677 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

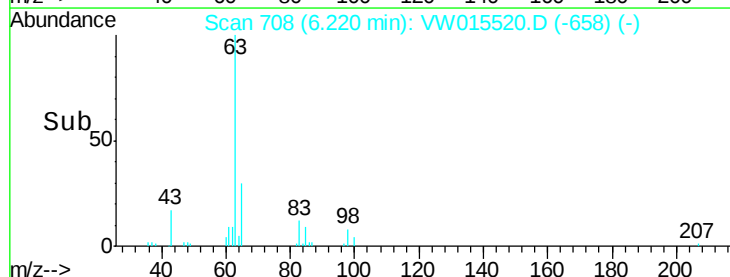
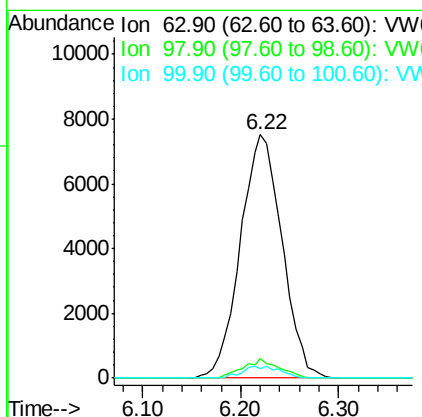
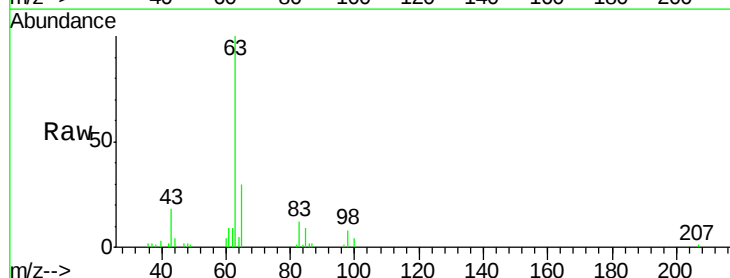
Tgt Ion: 63 Resp: 22318

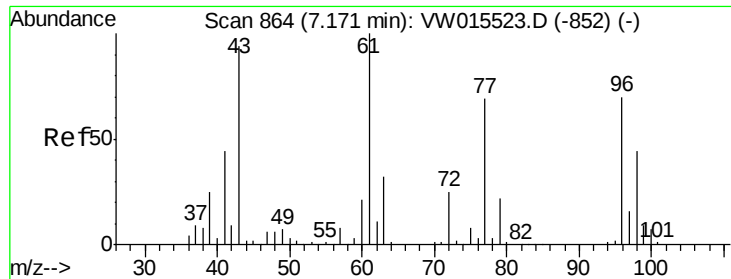
Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.1

100 3.7 2.2 6.6





#25

2-Butanone

Concen: 23.604 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 15775

Ion Ratio Lower Upper

43 100

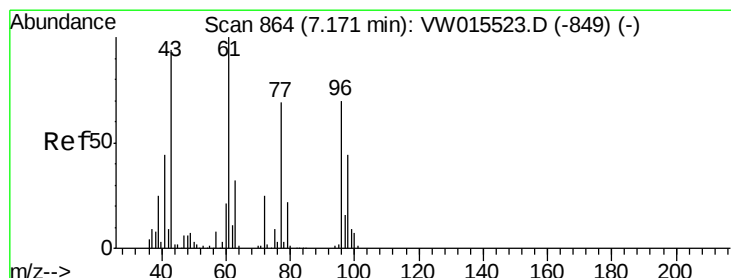
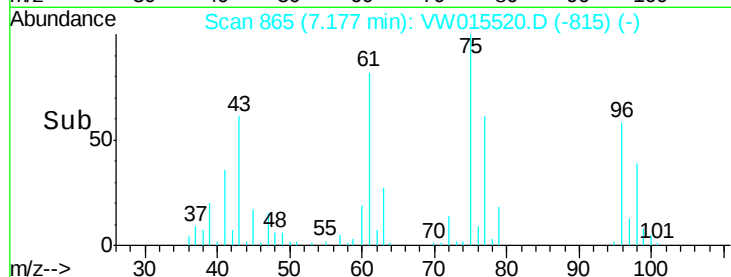
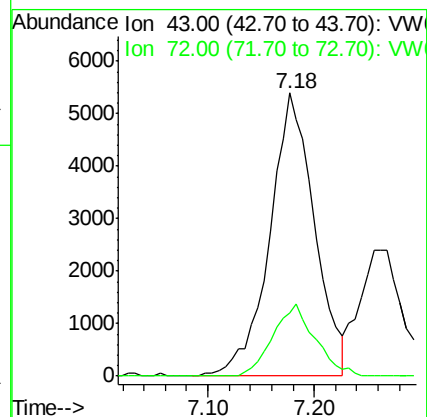
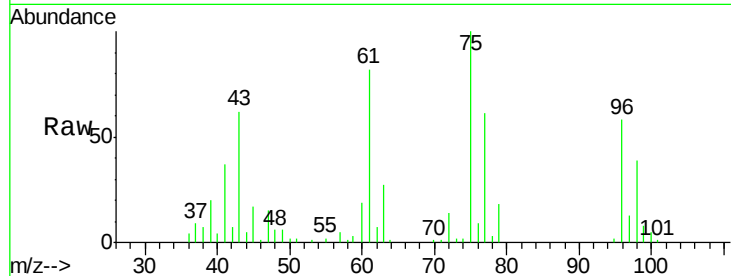
72 22.2 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.825 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015520.D

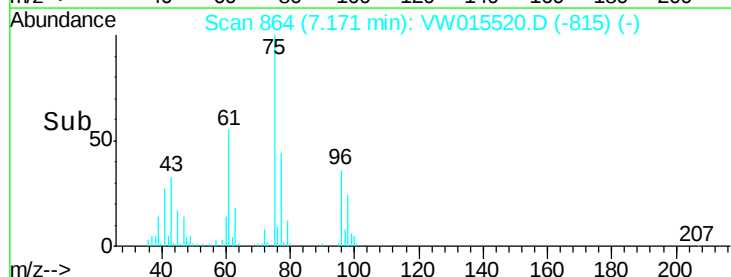
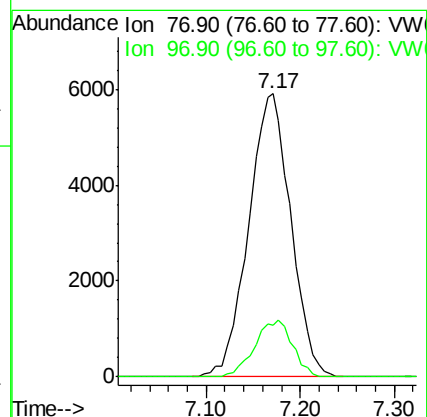
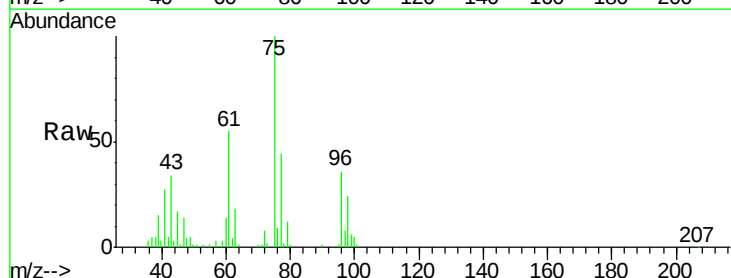
Acq: 02 Jun 2020 11:26

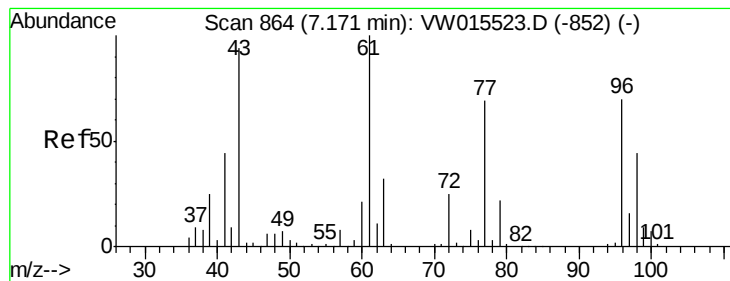
Tgt Ion: 77 Resp: 18491

Ion Ratio Lower Upper

77 100

97 18.0 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 4.574 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

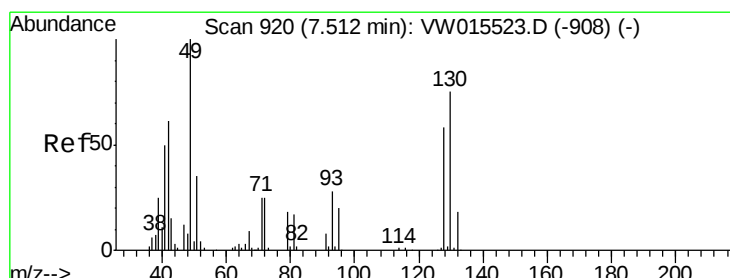
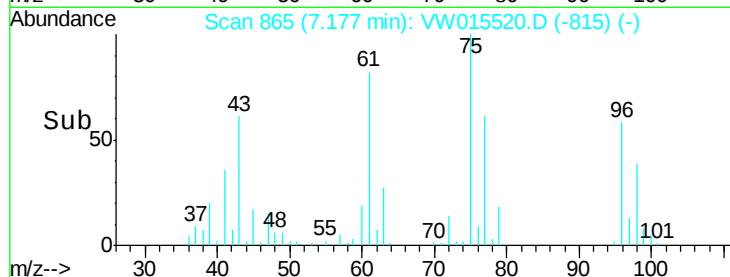
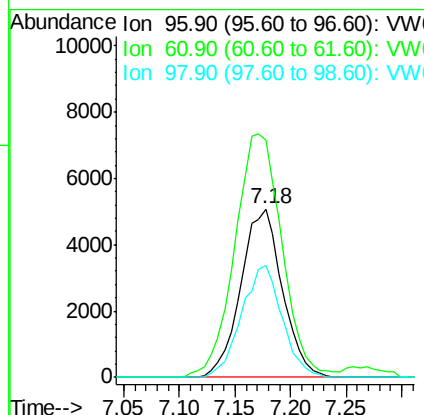
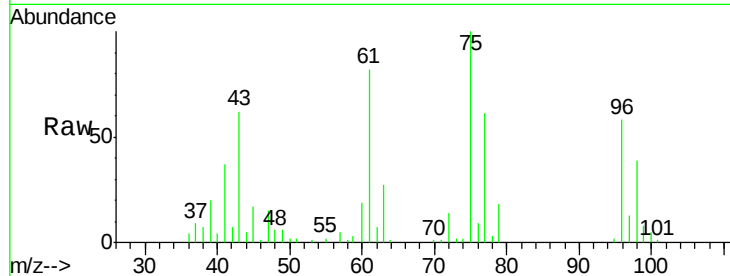
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	13176
Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	293.0
98	64.9	0.0	127.2

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#28

Bromochloromethane

Concen: 4.576 ug/l

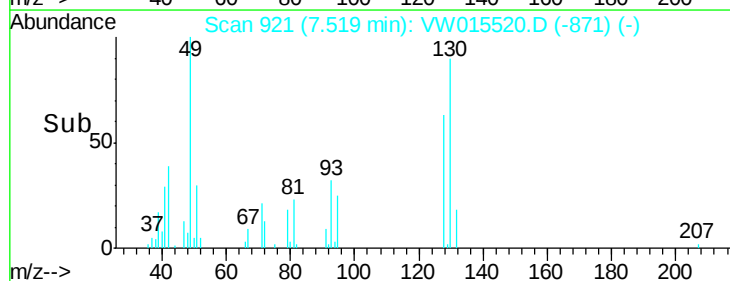
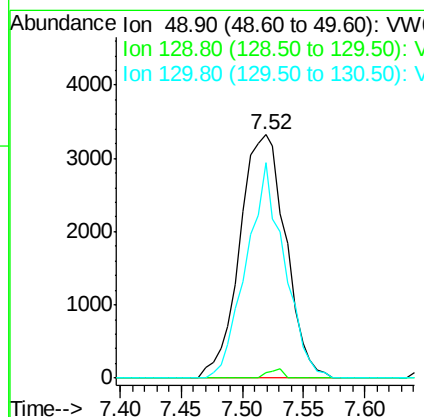
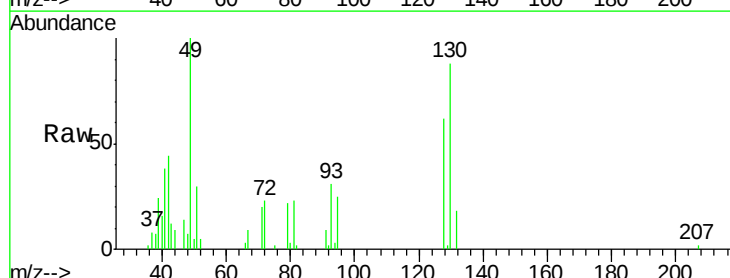
RT: 7.52 min Scan# 921

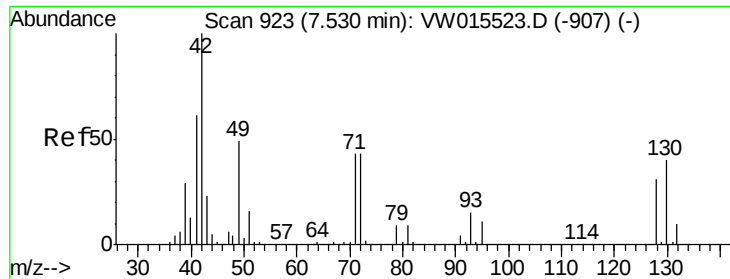
Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Tgt Ion:	49	Resp:	8671
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.0
130	73.3	59.7	89.5





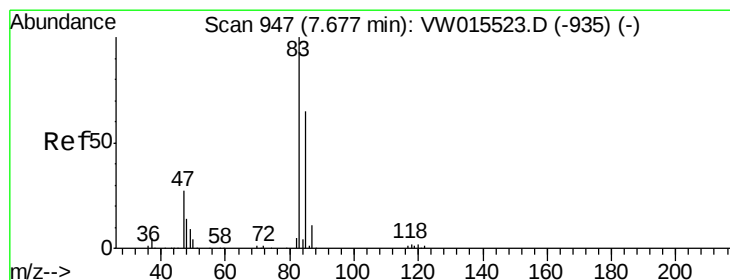
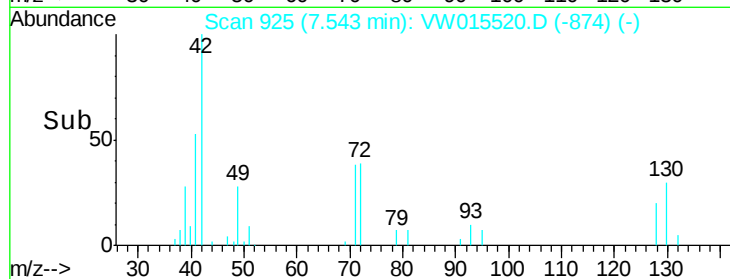
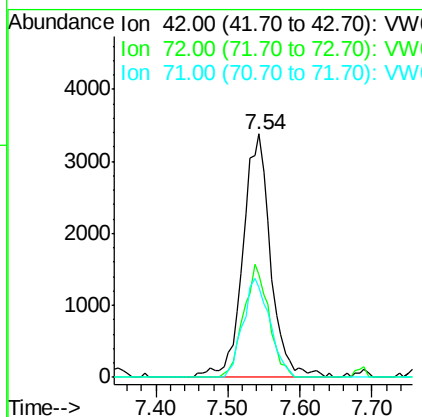
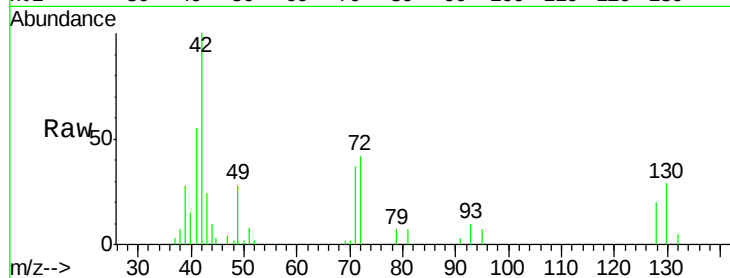
#29
Tetrahydrofuran
Concen: 21.156 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.8	52.2
71	39.3	33.3	49.9

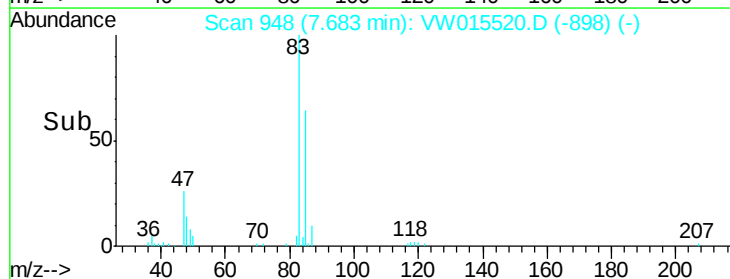
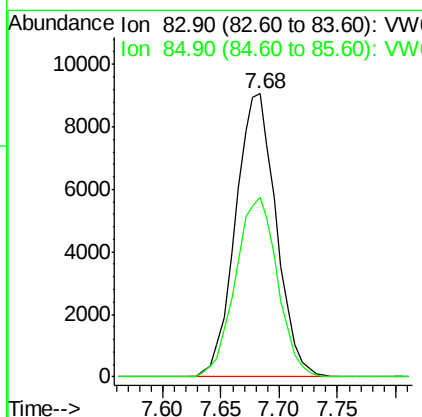
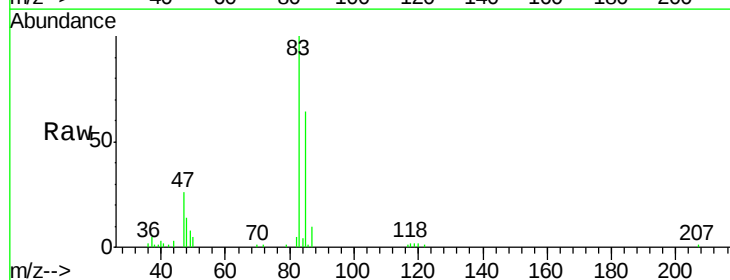
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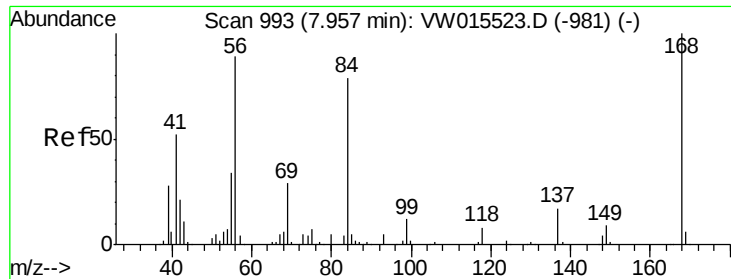
MMDadoda
6/2/2020 4:00:11 PM



#30
Chloroform
Concen: 4.634 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.4





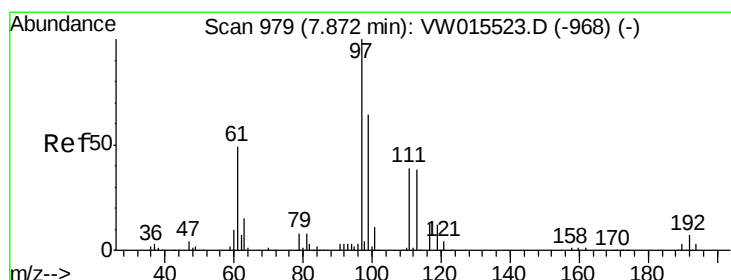
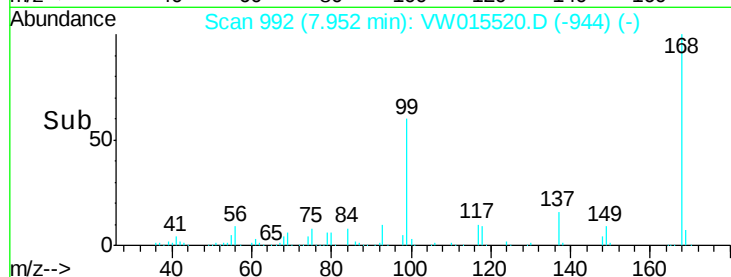
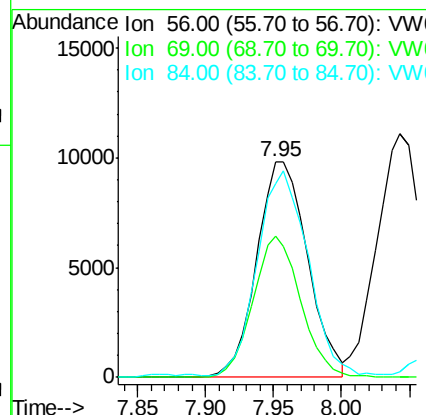
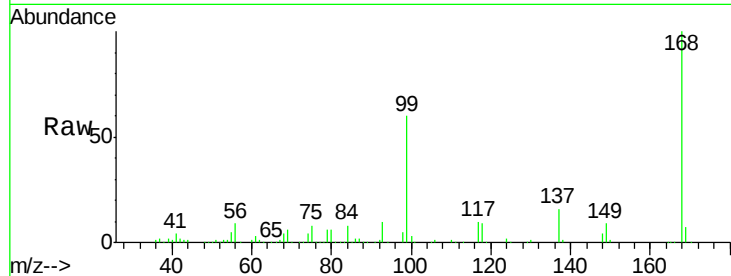
#31
Cyclohexane
Concen: 5.362 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	65.3	26.3	39.5#
84	88.5	71.0	106.4

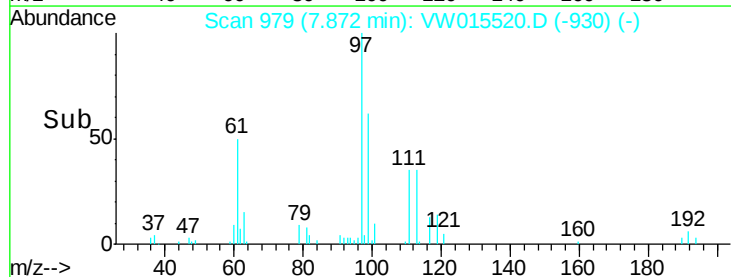
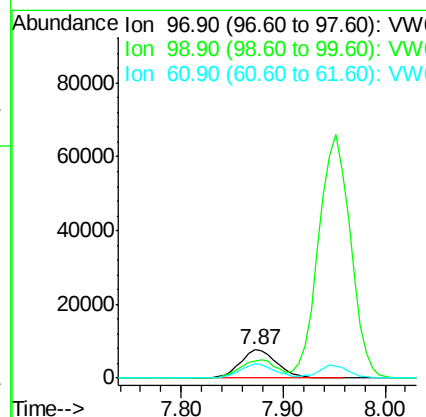
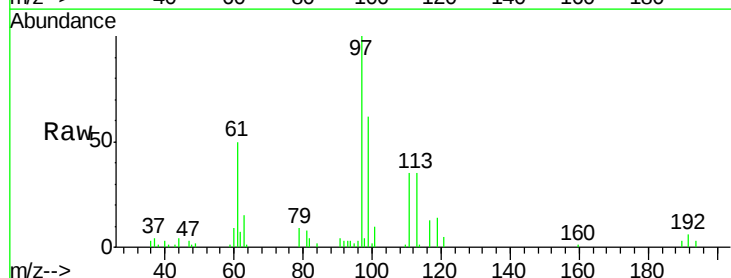
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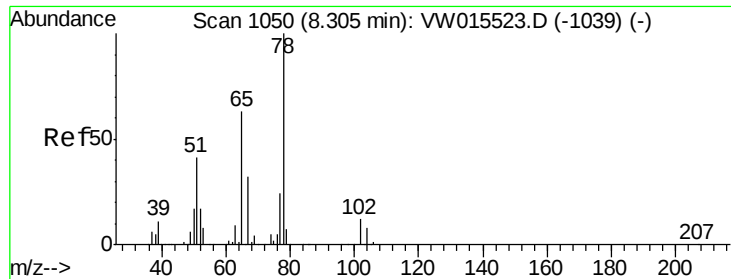
MMDadoda
6/2/2020 4:00:11 PM



#32
1,1,1-Trichloroethane
Concen: 4.823 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.4	77.0
61	48.7	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 4.867 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 12739

Ion Ratio Lower Upper

65 100

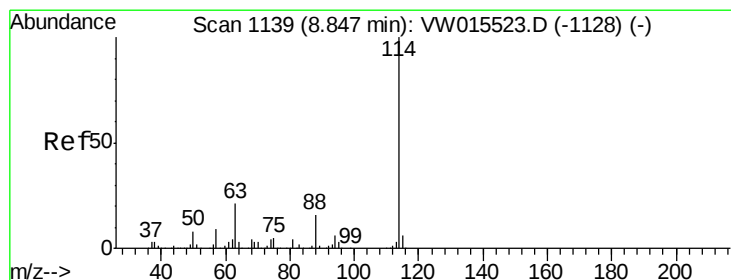
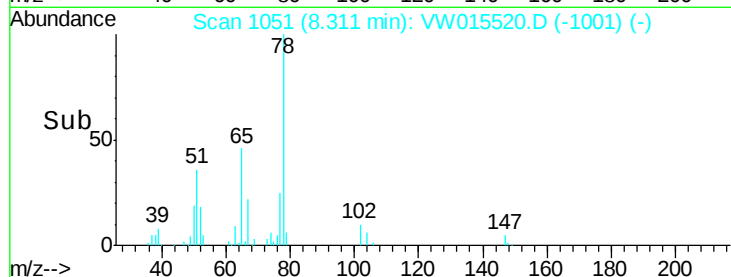
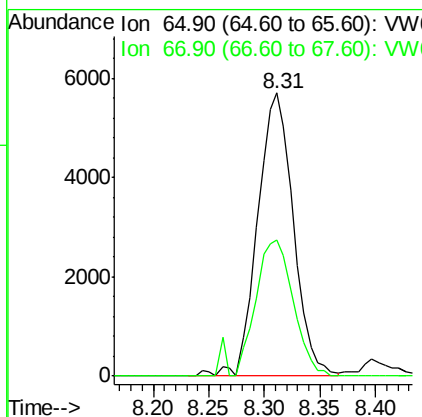
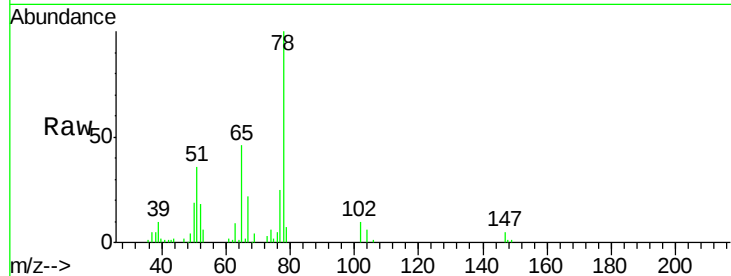
67 50.4 0.0 100.8

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6/2/2020 4:00:11 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

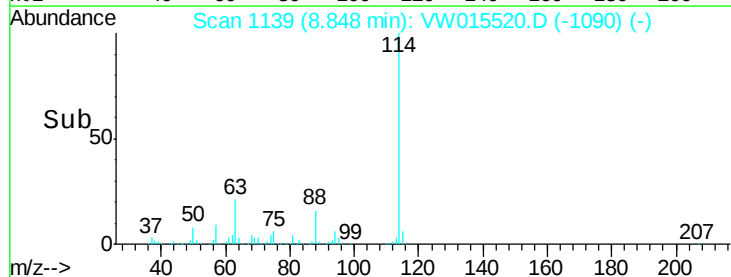
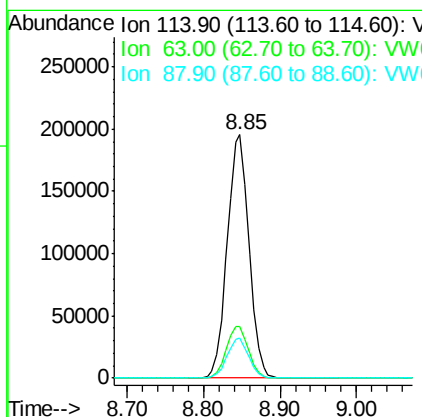
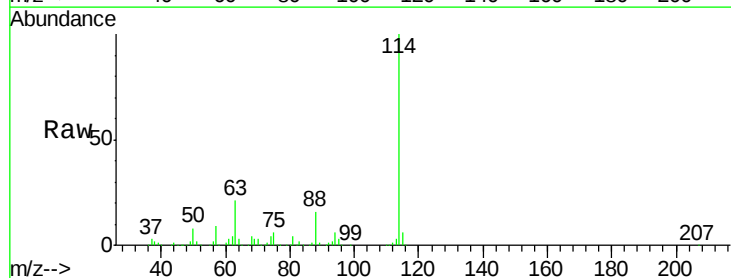
Tgt Ion: 114 Resp: 382747

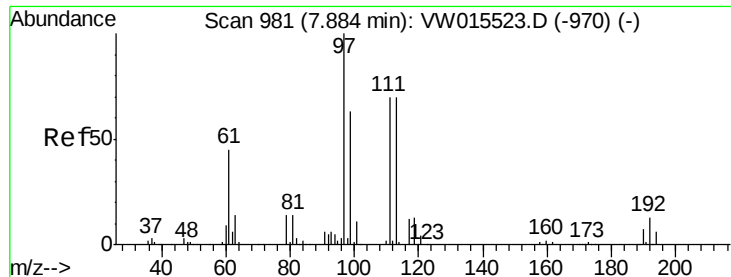
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.0

88 16.4 0.0 31.8





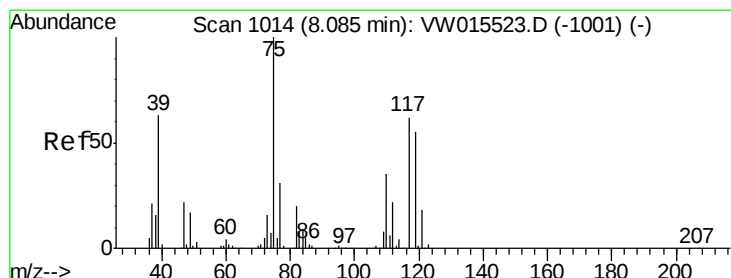
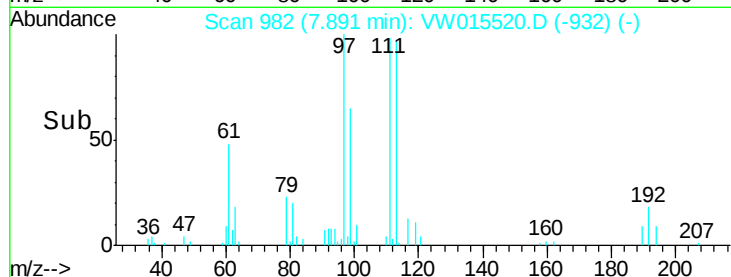
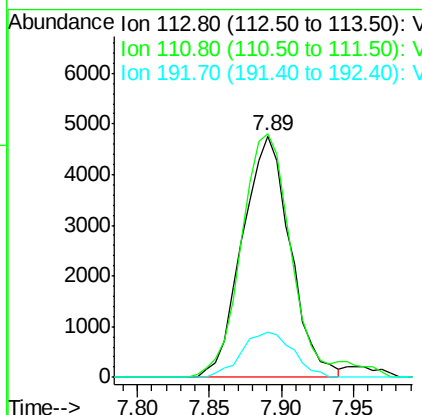
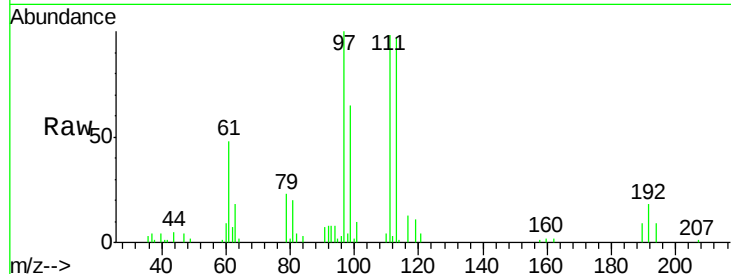
#35
 Dibromofluoromethane
 Concen: 5.004 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.6	83.3	124.9
192	20.0	15.8	23.6

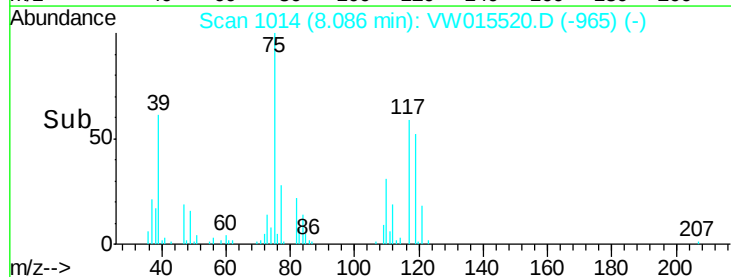
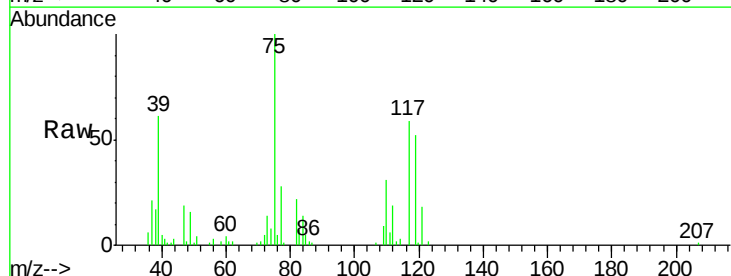
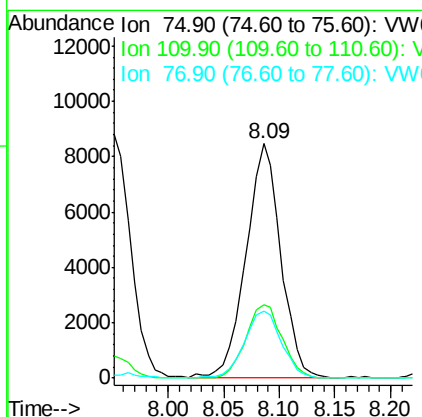
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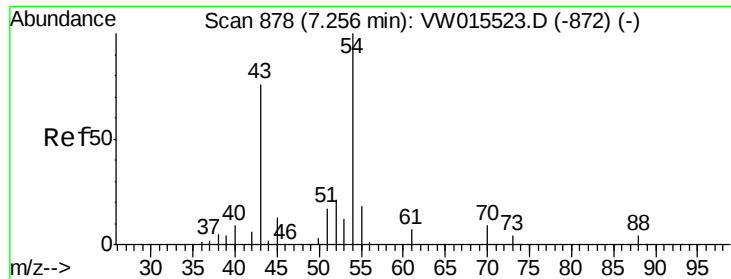
MMDadoda
 6/2/2020 4:00:11 PM



#36
 1,1-Dichloropropene
 Concen: 4.854 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.5	17.2	51.6
77	30.6	25.0	37.4





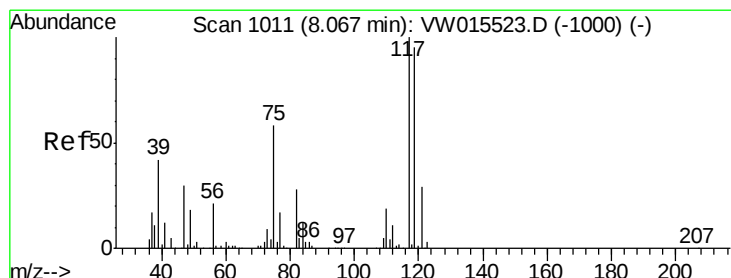
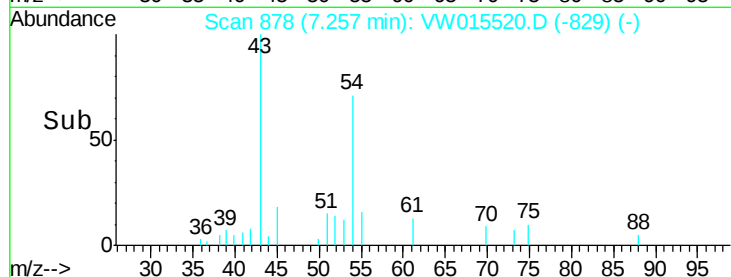
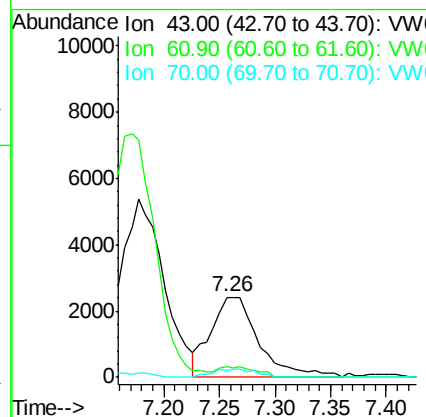
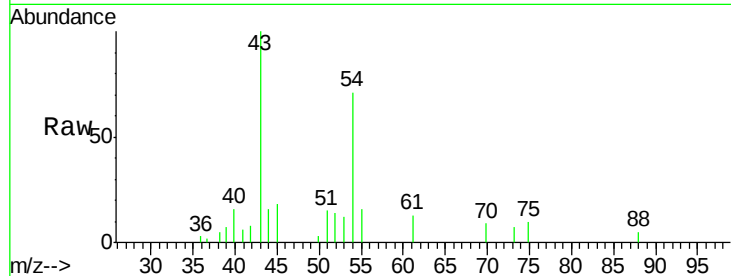
#37
Ethyl Acetate
Concen: 4.835 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	9.9	10.4	15.6#
70	9.0	8.4	12.6

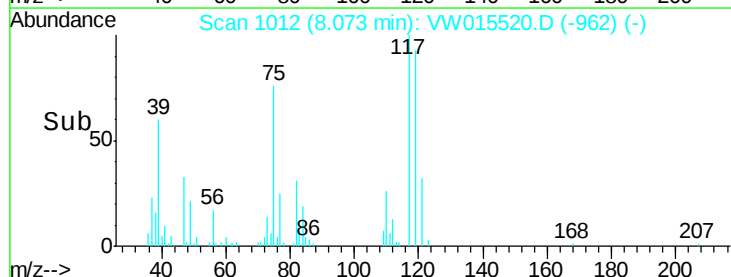
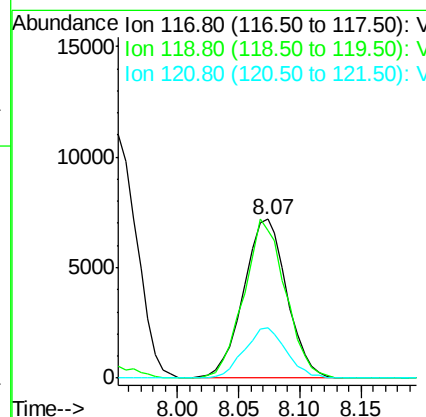
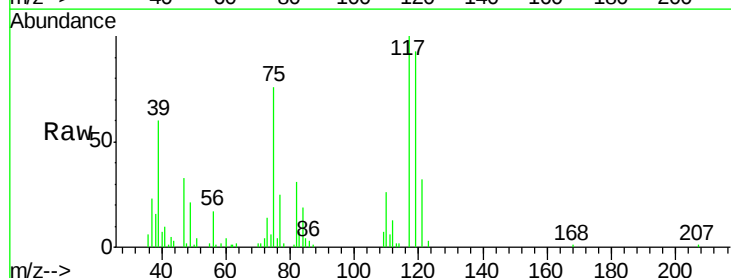
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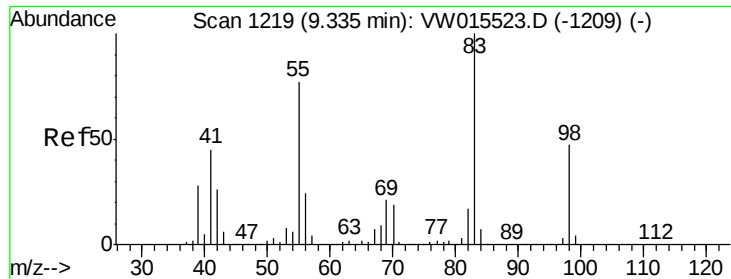
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6/2/2020 4:00:11 PM



#38
Carbon Tetrachloride
Concen: 4.935 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.9	113.9
121	31.6	23.5	35.3





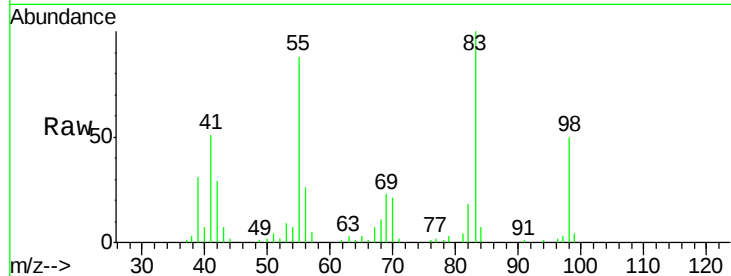
#39
Methvlcvclohexane
Concen: 4.611 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

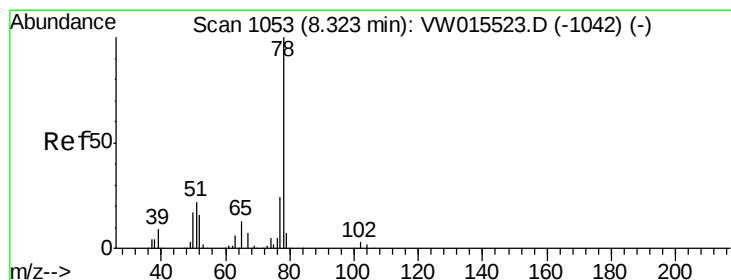
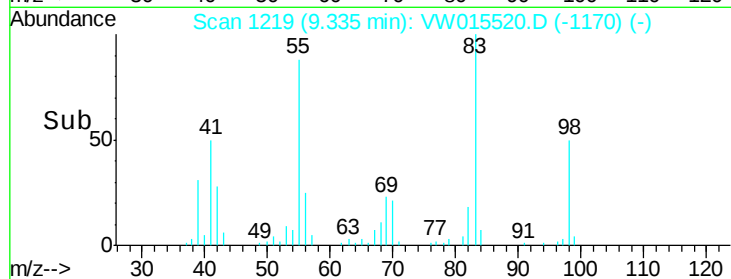
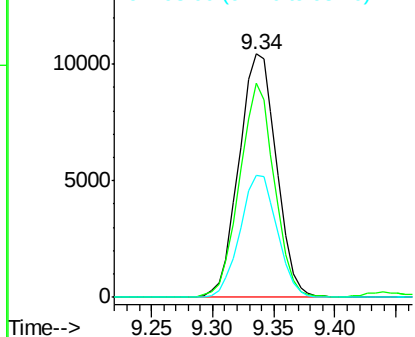
Tot Ion	Ratio	Lower	Upper
83	100		
55	88.0	61.7	92.5
98	50.3	37.7	56.5

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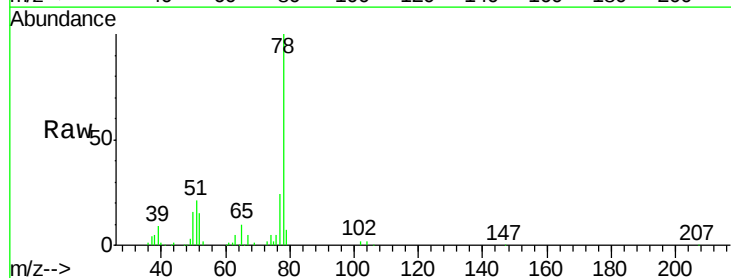


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

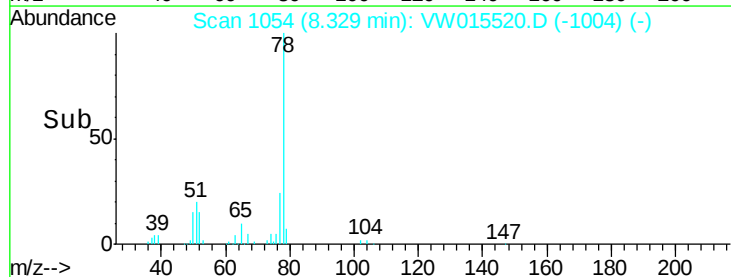
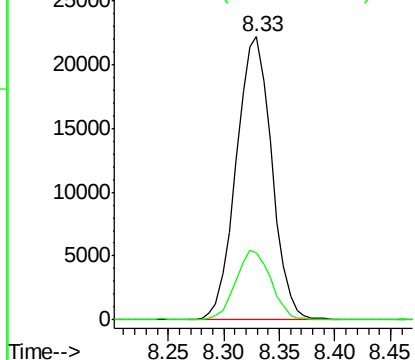


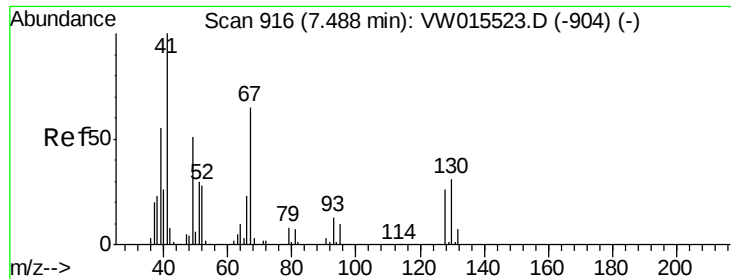
#40
Benzene
Concen: 4.717 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





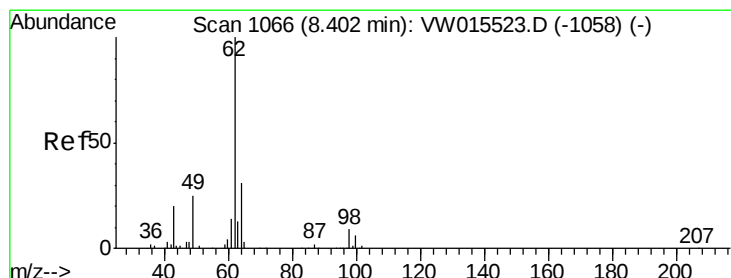
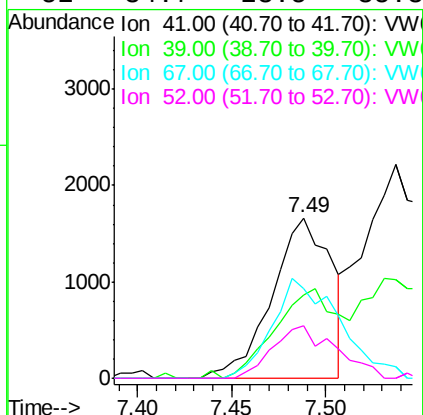
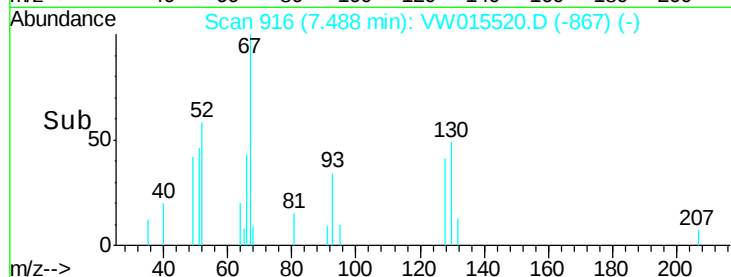
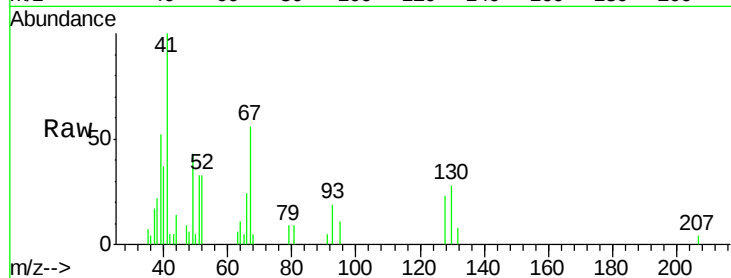
#41
Methacrylonitrile
Concen: 3.809 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	3634
Ion	Ratio	Lower	Upper
41	100		
39	61.5	44.5	66.7
67	70.7	53.1	79.7
52	34.7	23.5	35.3

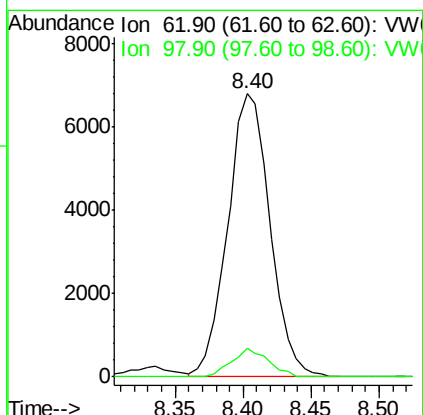
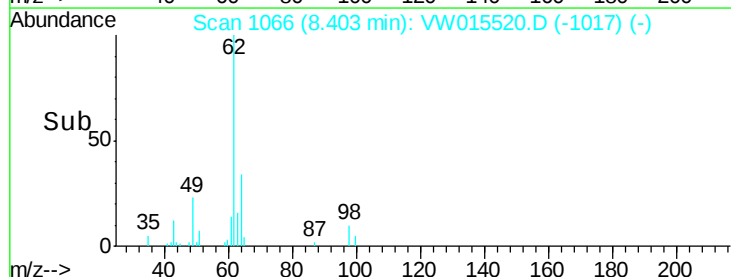
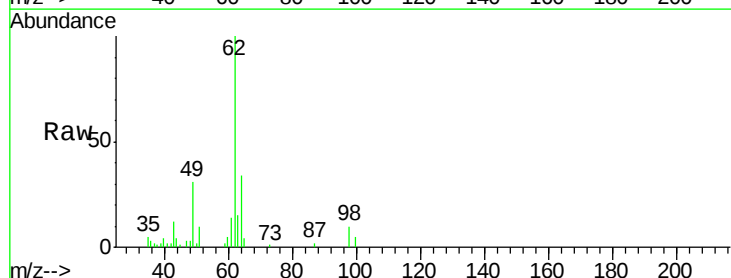
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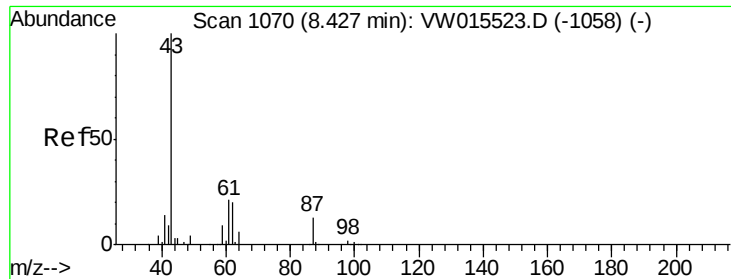
MMDadoda
6/2/2020 4:00:11 PM



#42
1,2-Dichloroethane
Concen: 4.618 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion:	62	Resp:	14716
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6





#43

Isopropyl Acetate

Concen: 4.168 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

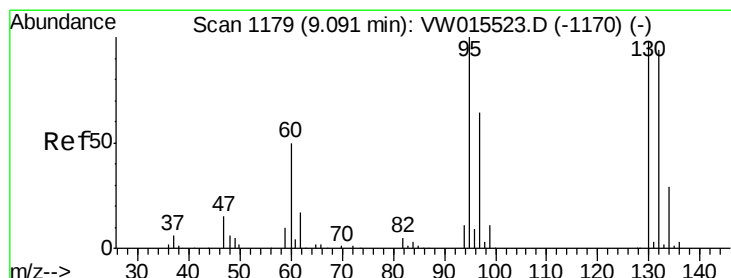
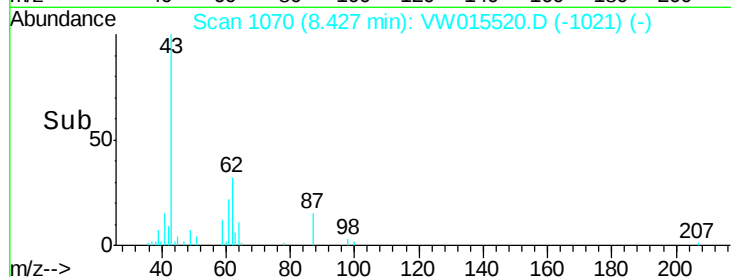
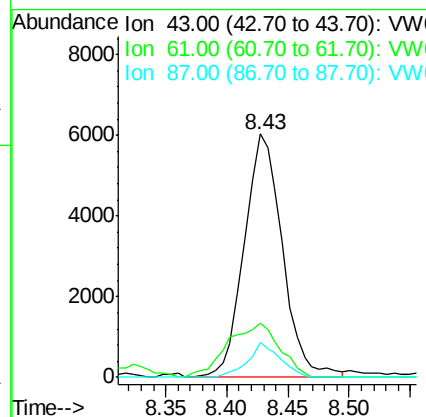
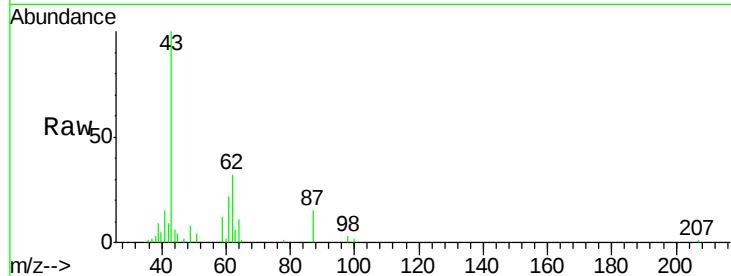
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	13121
Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.8	35.8
87	12.1	10.1	15.1

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6/2/2020 4:00:11 PM



#44

Trichloroethene

Concen: 4.794 ug/l

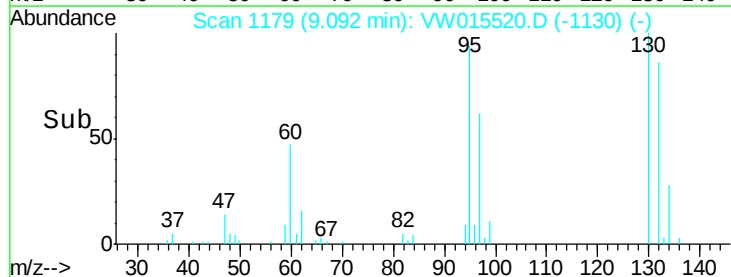
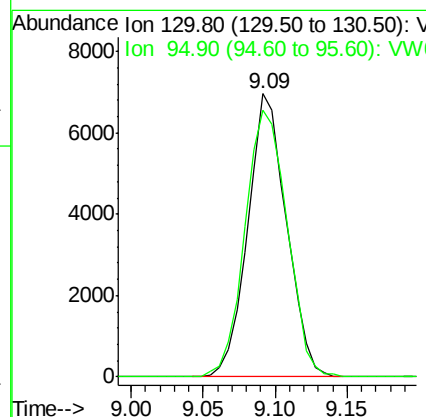
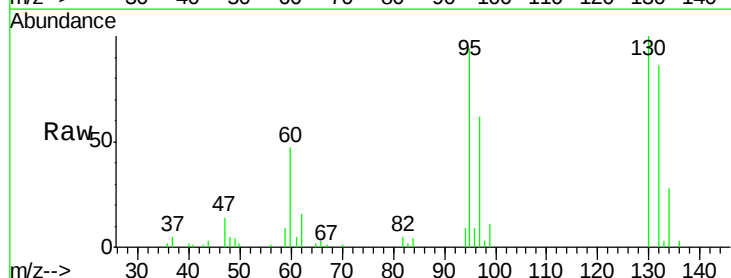
RT: 9.09 min Scan# 1179

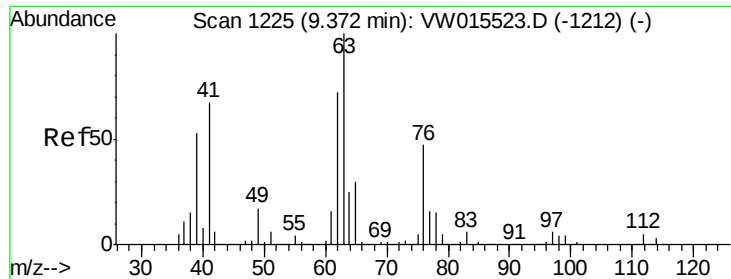
Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Tgt Ion:	130	Resp:	12946
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	204.0





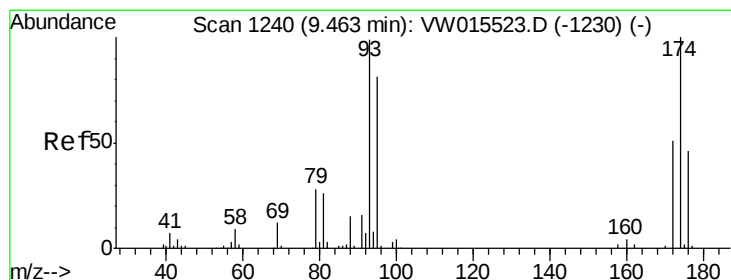
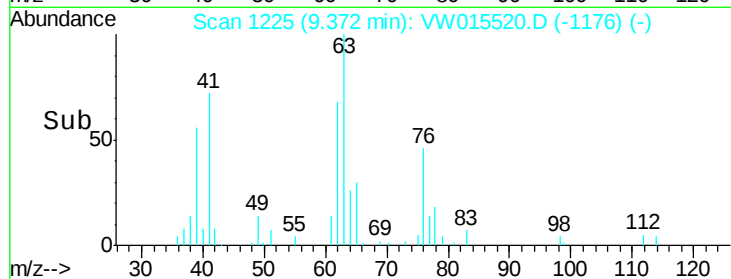
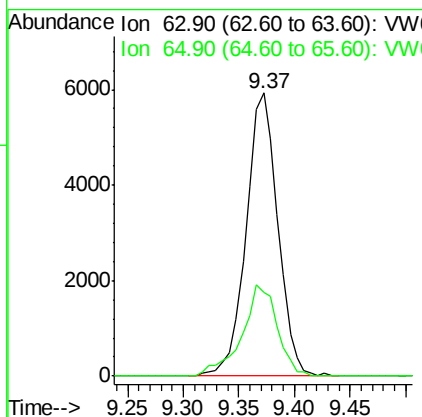
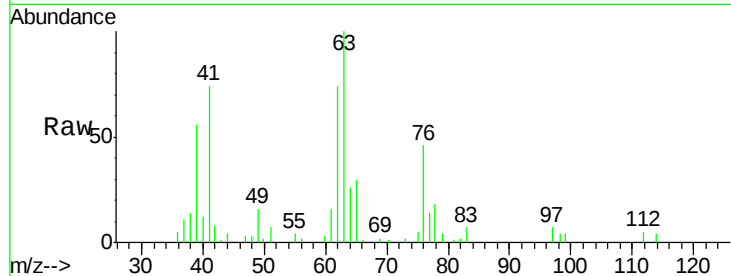
#45
 1,2-Dichloropropane
 Concen: 4.577 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 11769
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.0 36.0

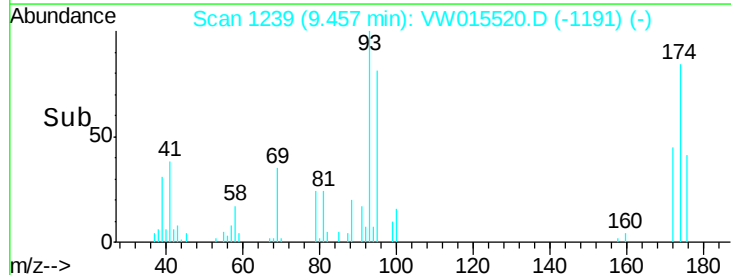
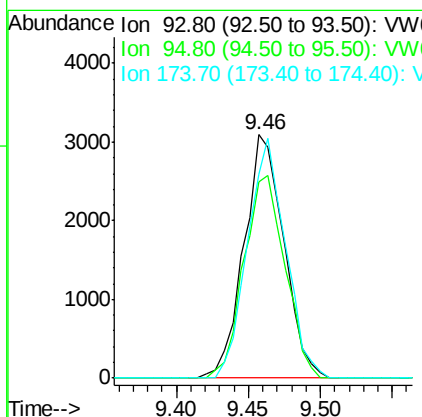
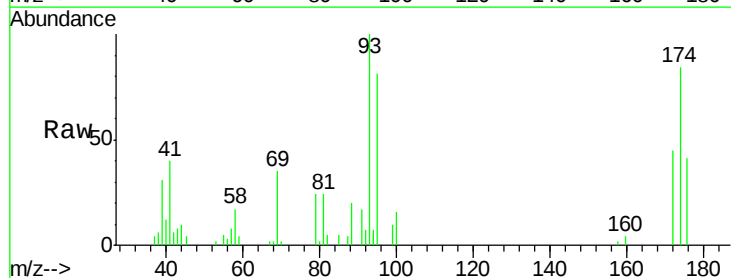
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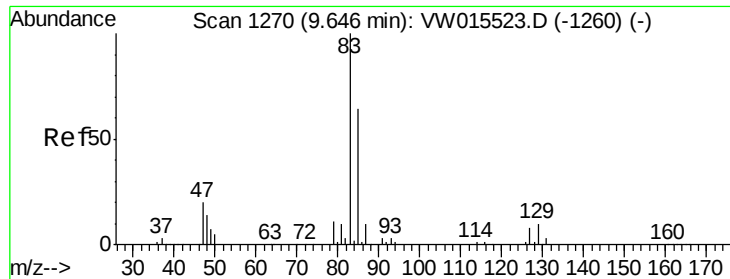
MMDadoda
 6/2/2020 4:00:11 PM



#46
 Dibromomethane
 Concen: 4.575 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Tgt Ion: 93 Resp: 5923
 Ion Ratio Lower Upper
 93 100
 95 85.6 65.1 97.7
 174 93.7 78.6 118.0





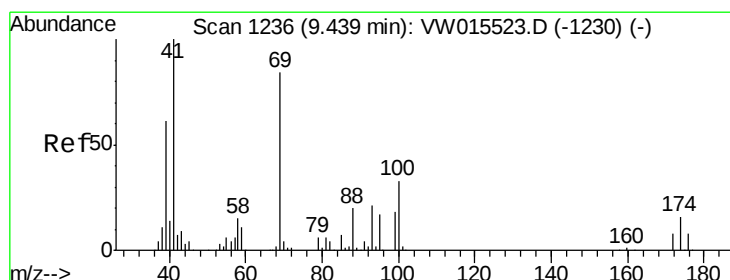
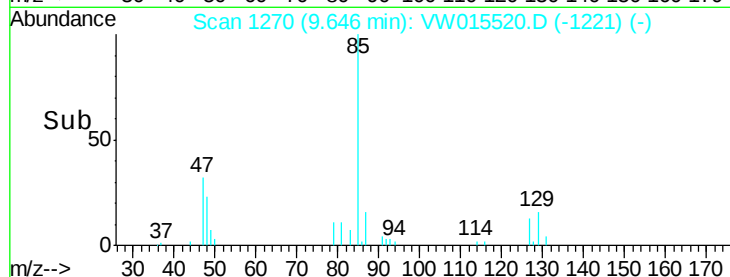
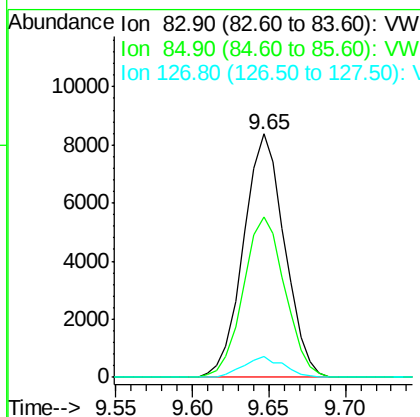
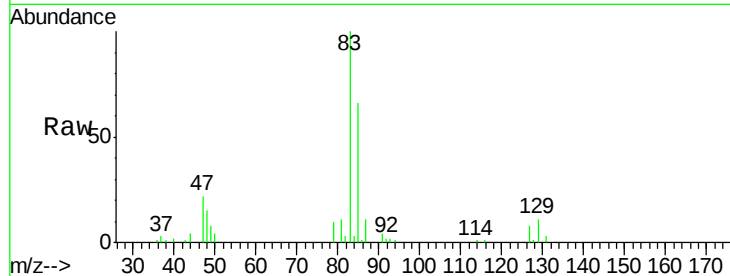
#47
Bromodichloromethane
Concen: 4.471 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	15636
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	51.1	76.7
127	8.4	6.4	9.6

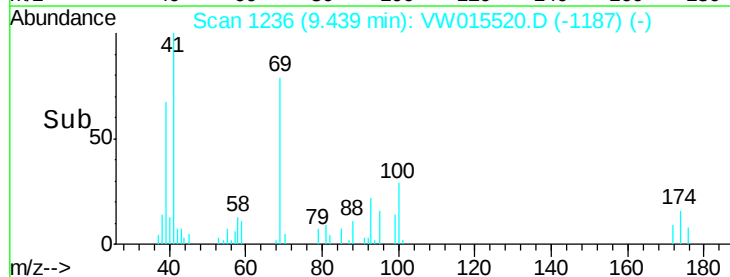
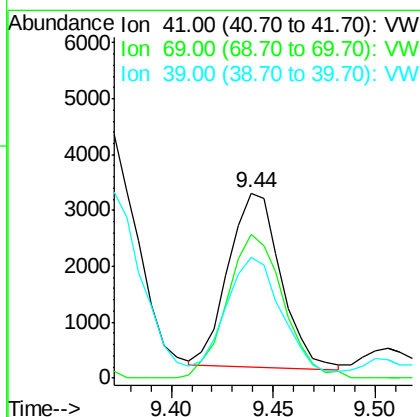
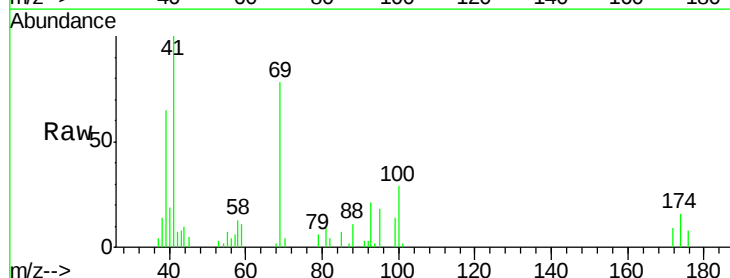
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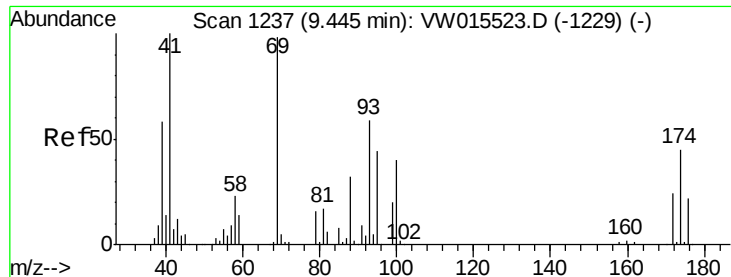
MMDadoda
6/2/2020 4:00:11 PM



#48
Methyl methacrylate
Concen: 3.844 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	41	Resp	5565
Ion Ratio	100	Lower	Upper
41	100		
69	88.4	67.8	101.8
39	67.1	50.2	75.2





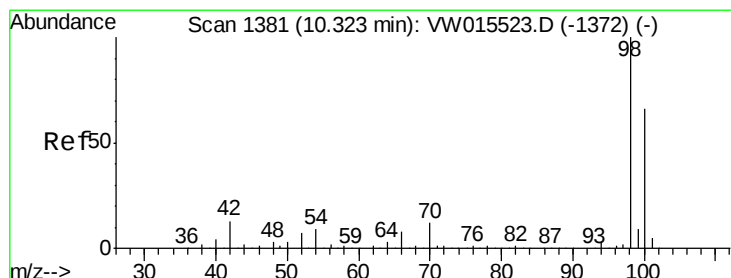
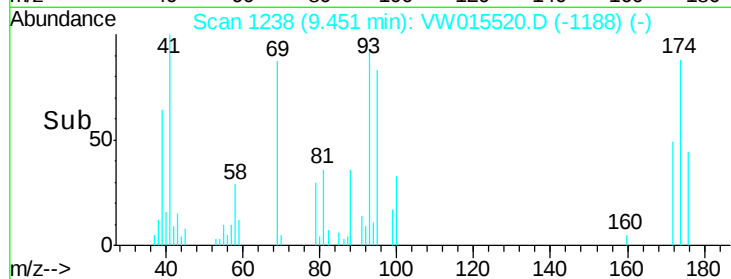
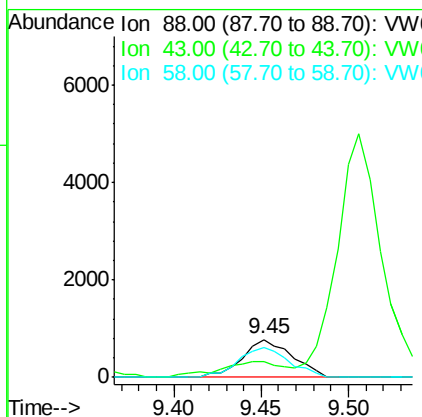
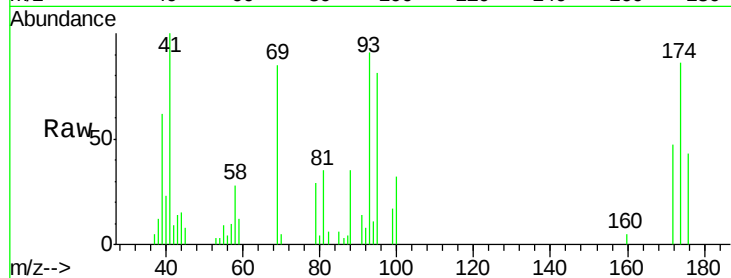
#49
1,4-Dioxane
Concen: 91.901 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.5	27.9	41.9#
58	80.3	58.8	88.2

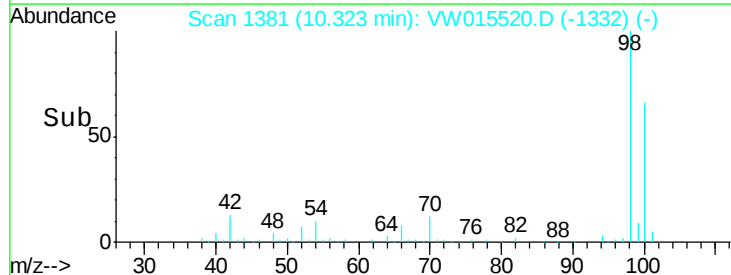
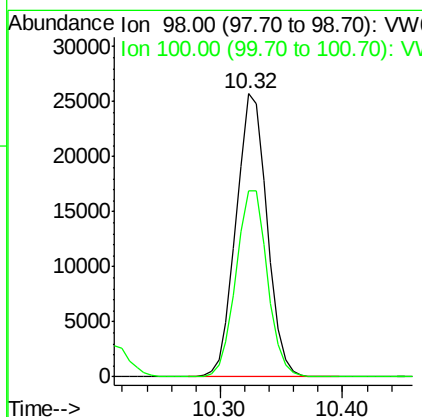
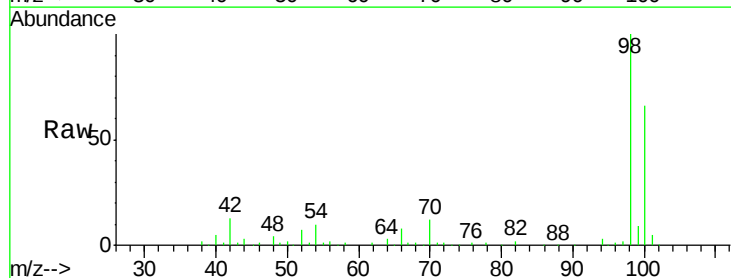
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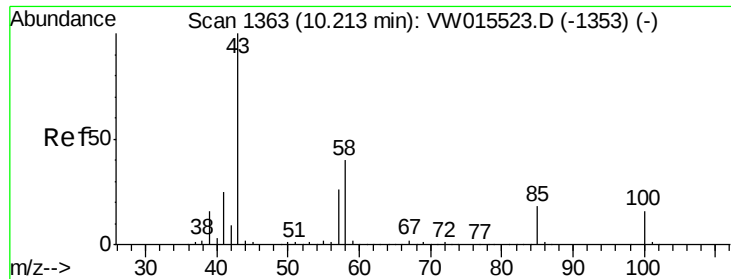
MMDadoda
6/2/2020 4:00:11 PM



#50
Toluene-d8
Concen: 4.988 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.6	78.8





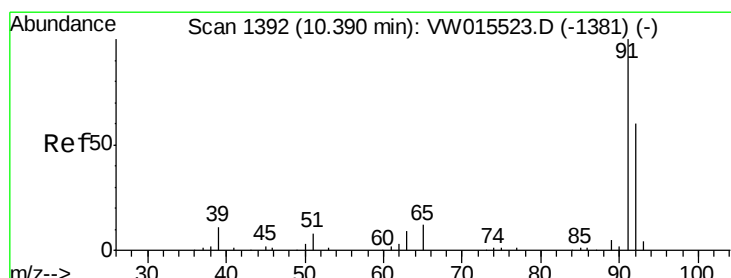
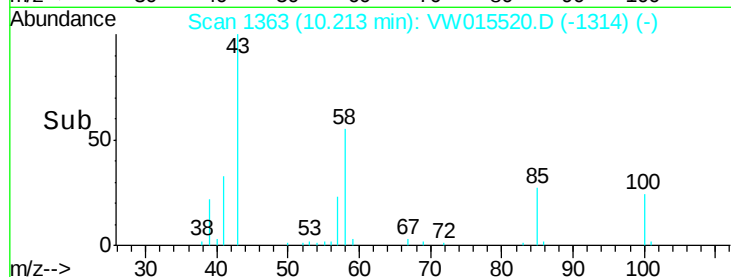
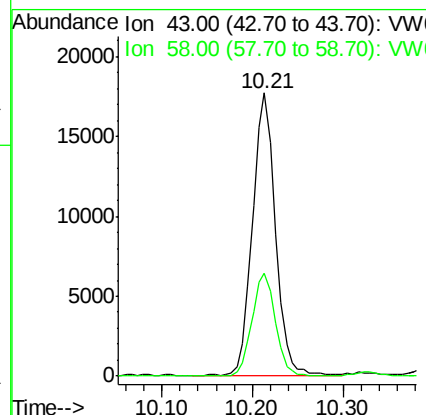
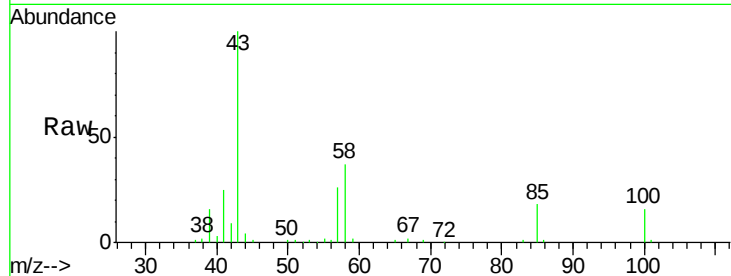
#51
4-Methyl-2-Pentanone
Concen: 21.170 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 31276
Ion Ratio Lower Upper
43 100
58 36.8 31.4 47.0

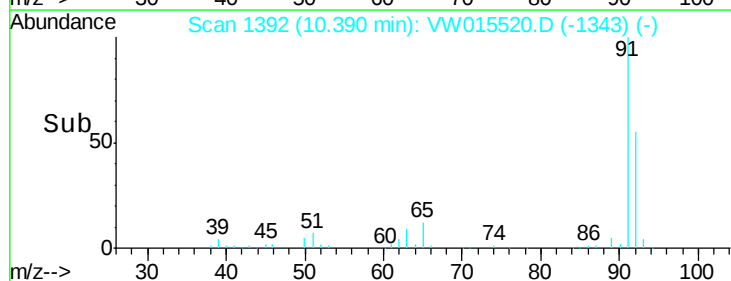
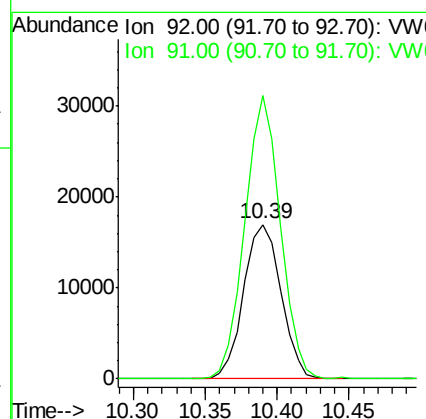
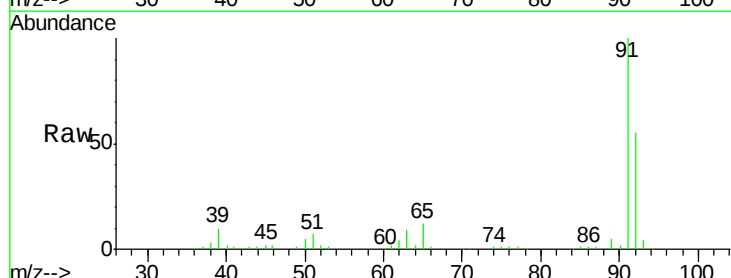
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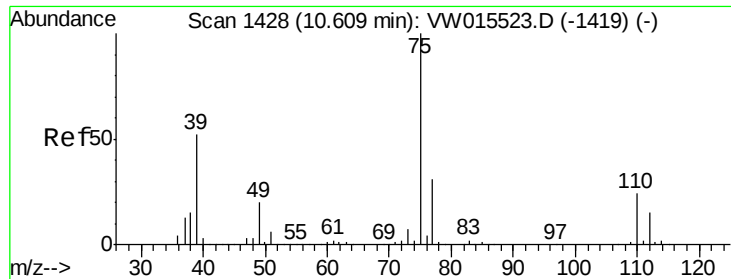
MMDadoda
6/2/2020 4:00:11 PM



#52
Toluene
Concen: 4.542 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion: 92 Resp: 30639
Ion Ratio Lower Upper
92 100
91 173.5 136.5 204.7





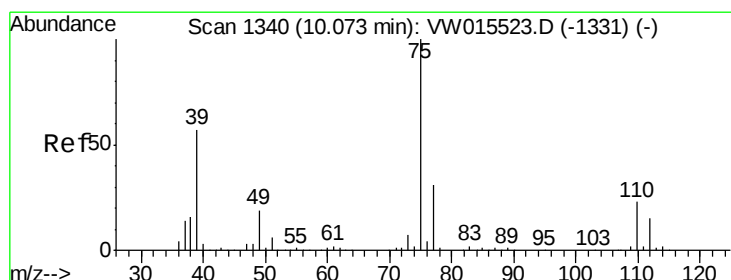
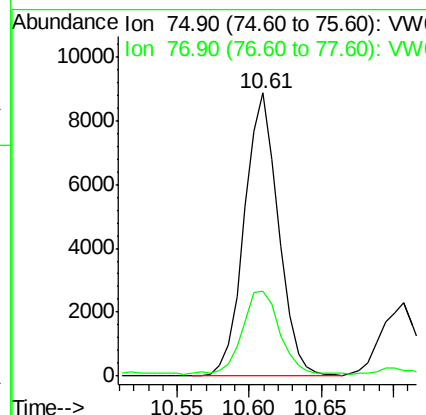
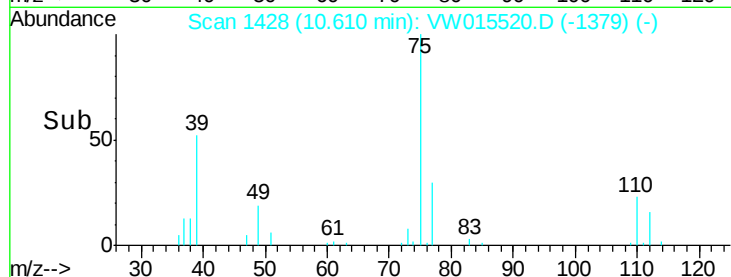
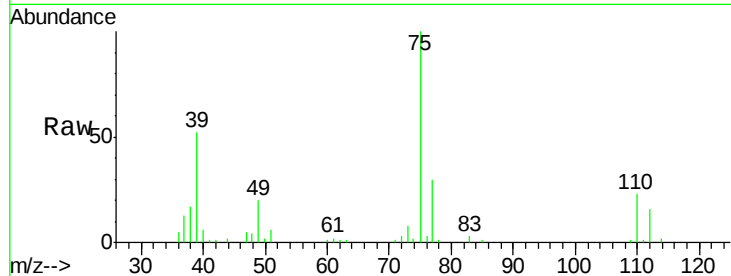
#53
 t-1,3-Dichloropropene
 Concen: 4.068 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 14532
 Ion Ratio Lower Upper
 75 100
 77 28.7 25.0 37.4

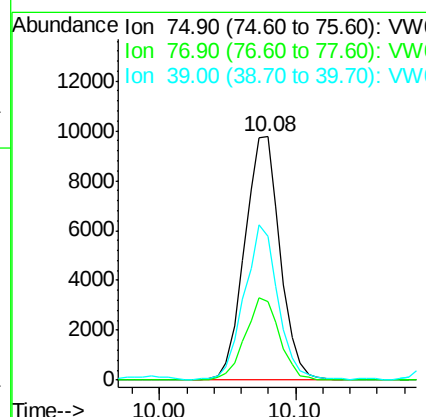
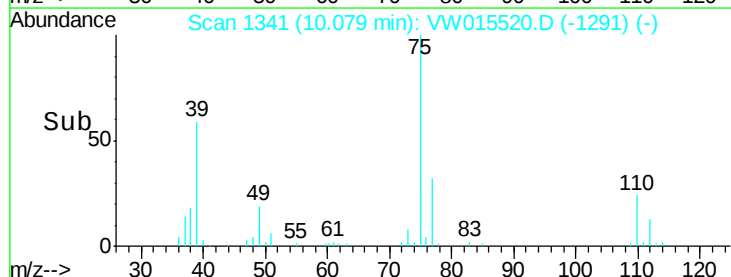
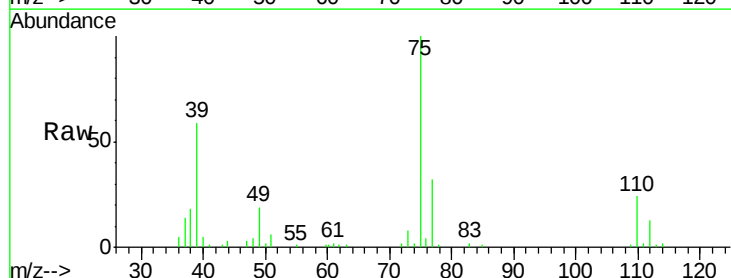
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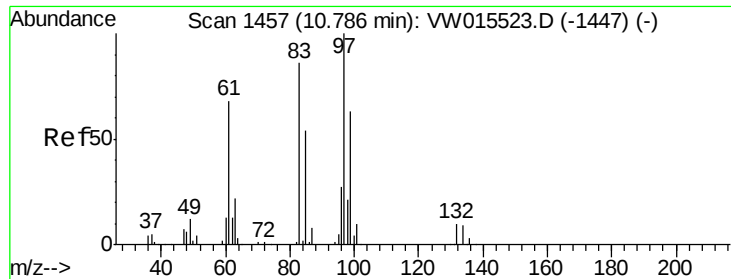
MMDadoda
 6/2/2020 4:00:11 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.256 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Tgt Ion: 75 Resp: 17808
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.9 37.3
 39 59.0 45.4 68.2





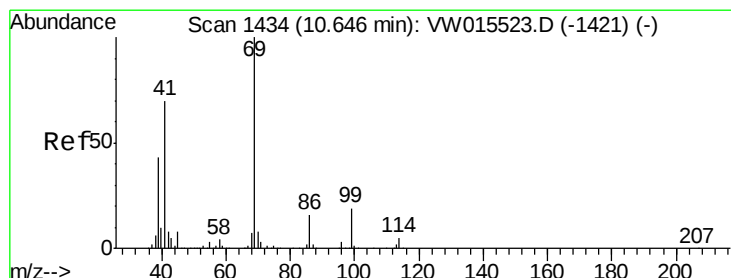
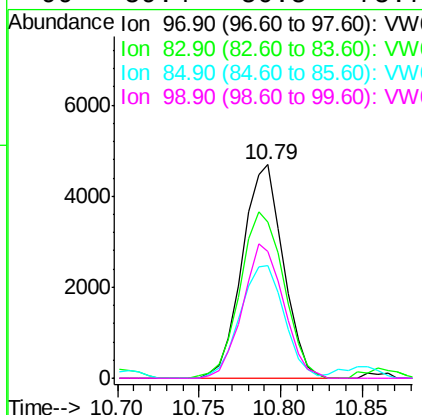
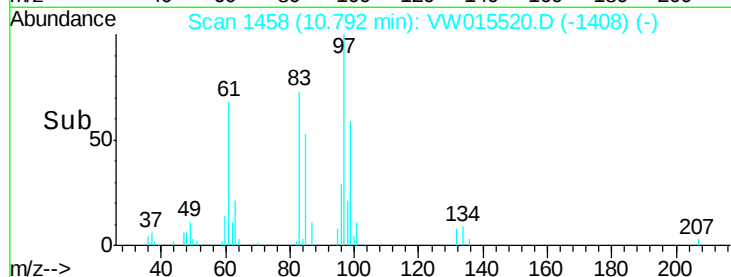
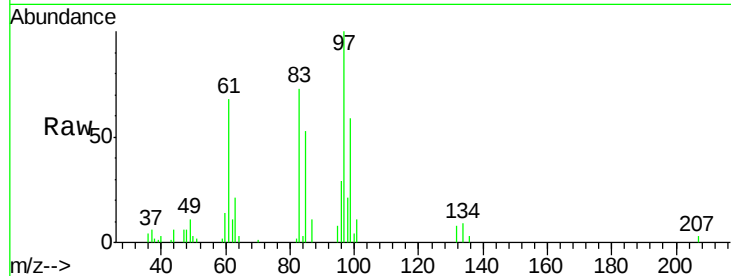
#55
 1,1,2-Trichloroethane
 Concen: 4.504 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	8227
Ion	Ratio	Lower	Upper
97	100		
83	73.1	68.6	102.8
85	52.7	43.2	64.8
99	59.4	50.5	75.7

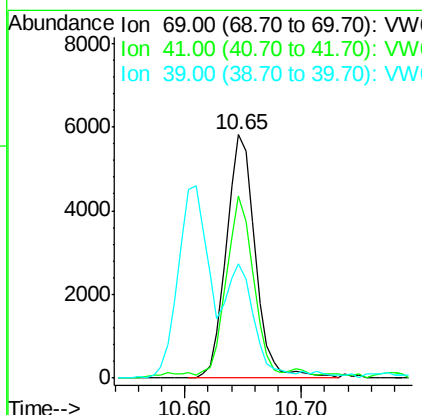
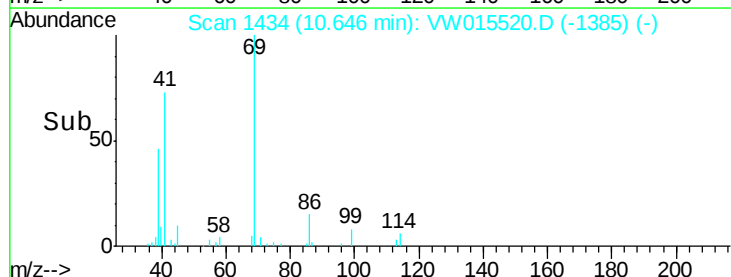
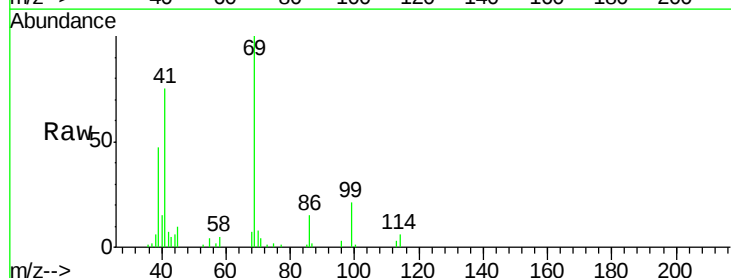
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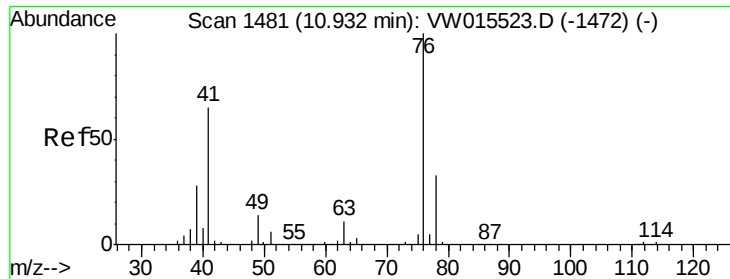
MMDadoda
 6/2/2020 4:00:11 PM



#56
 Ethyl methacrylate
 Concen: 4.037 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Tgt Ion:	69	Resp:	10072
Ion	Ratio	Lower	Upper
69	100		
41	68.3	56.2	84.4
39	42.6	33.3	49.9





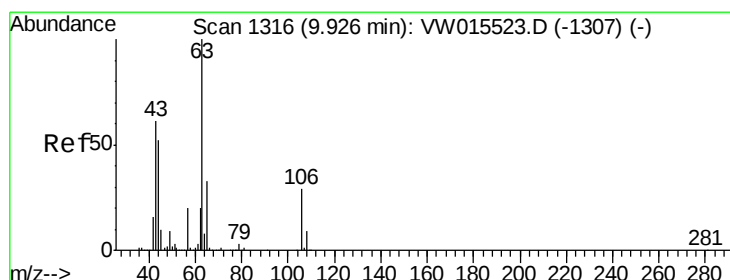
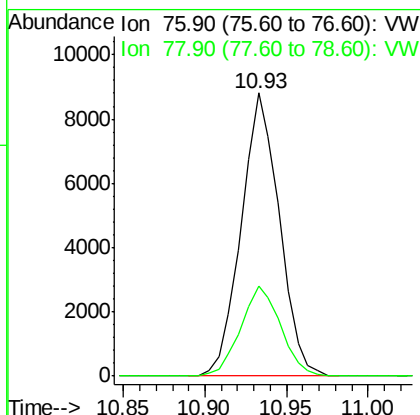
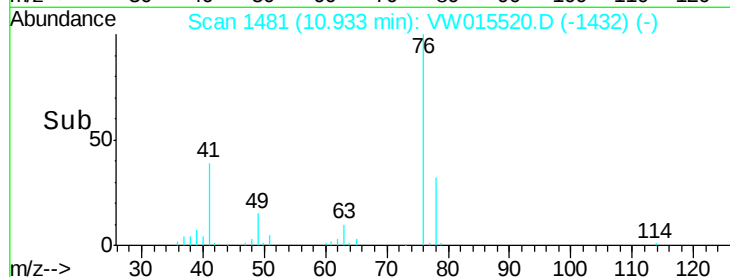
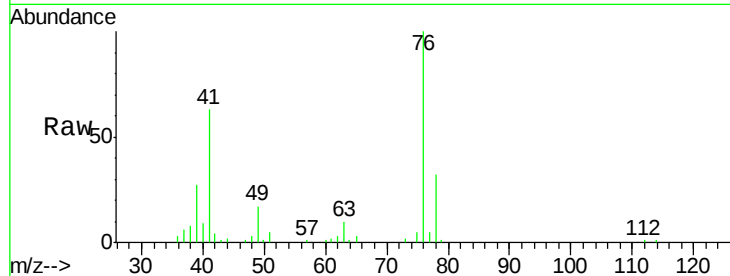
#57
 1,3-Dichloropropane
 Concen: 4.385 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.1	39.1

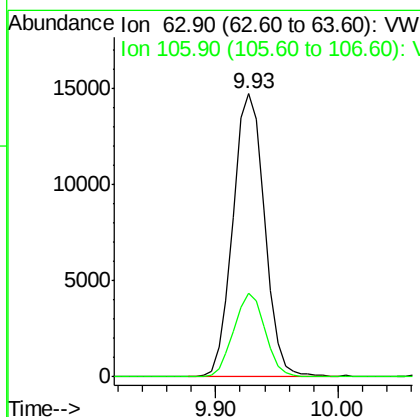
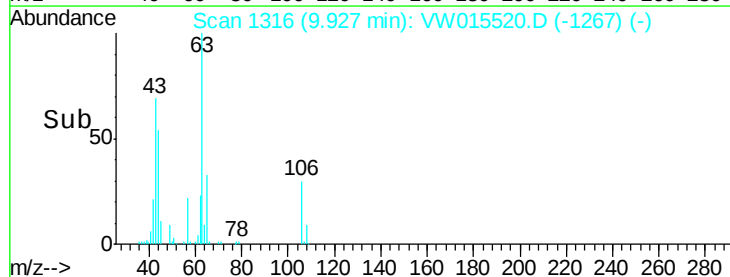
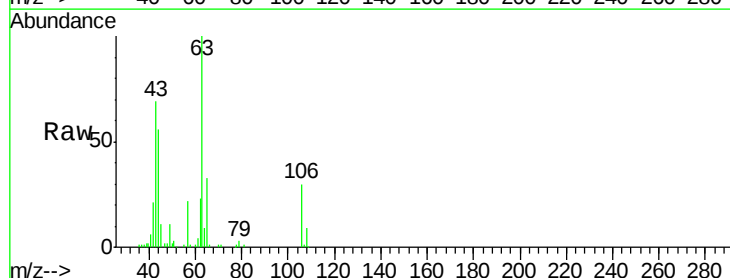
Manual Integrations
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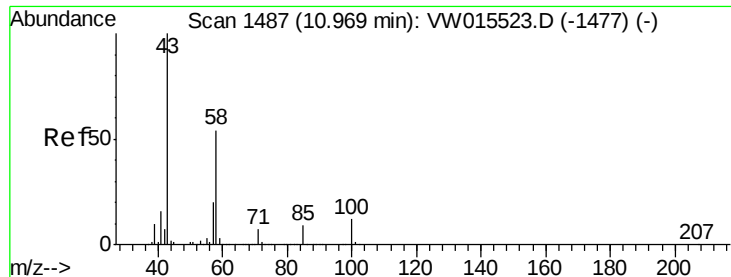
MMDadoda
 6/2/2020 4:00:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.127 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	22.9	34.3





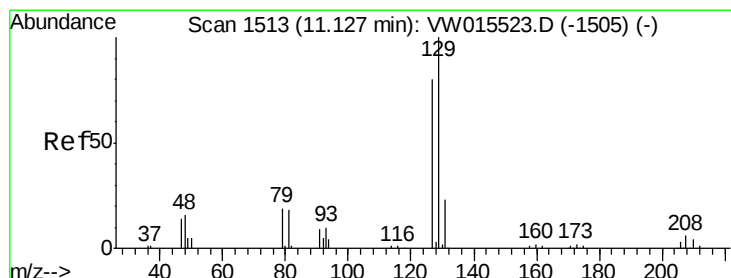
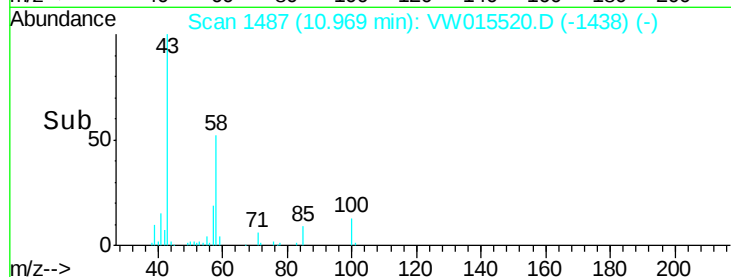
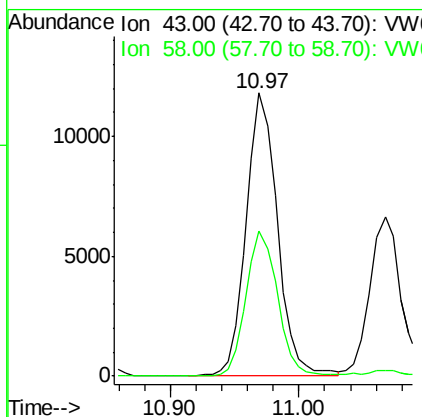
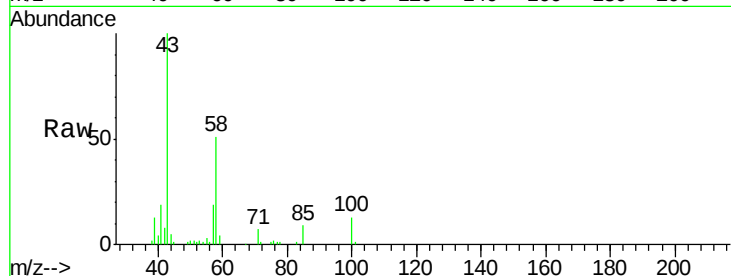
#59
2-Hexanone
Concen: 19.656 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	43	Resp	19869
Ion Ratio	43	100	
Lower	58	51.8	26.8
Upper			80.3

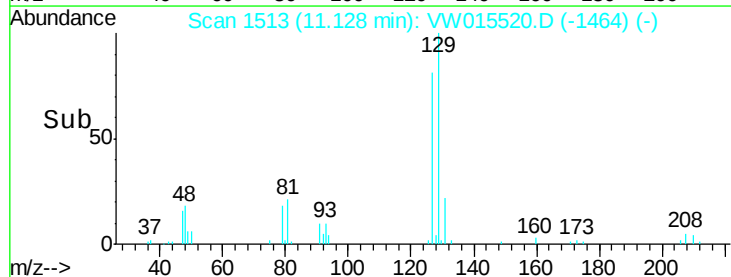
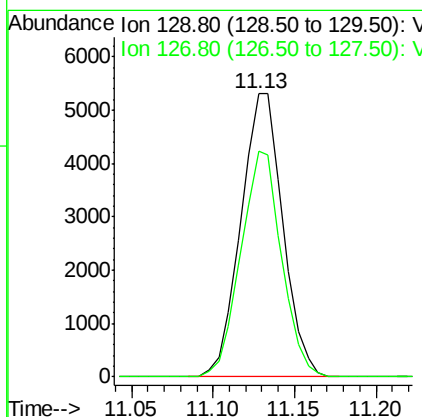
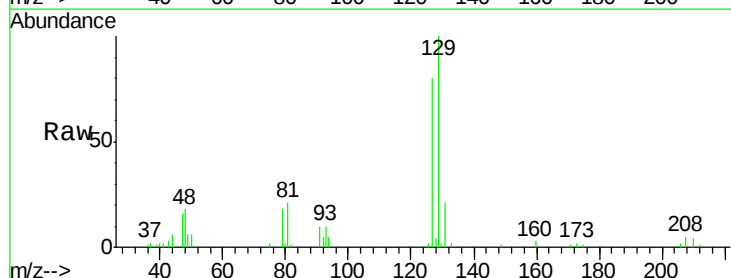
Manual Integrations
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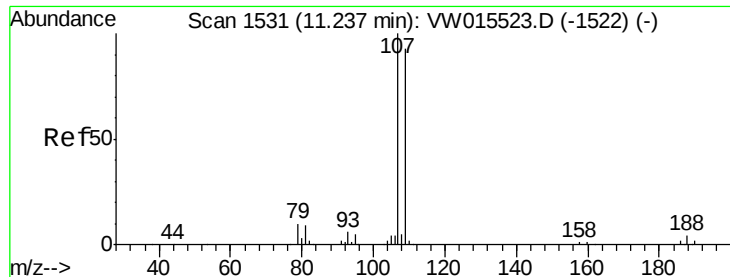
MMDadoda
6/2/2020 4:00:11 PM



#60
Dibromochloromethane
Concen: 4.323 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	129	Resp	9516
Ion Ratio	129	100	
Lower	127	77.2	38.4
Upper			115.2





#61

1,2-Dibromoethane

Concen: 4.314 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 7470

Ion Ratio Lower Upper

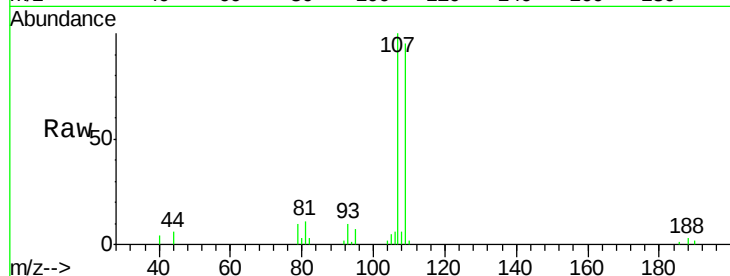
107 100

109 93.0 74.6 111.8

Manual Integrations
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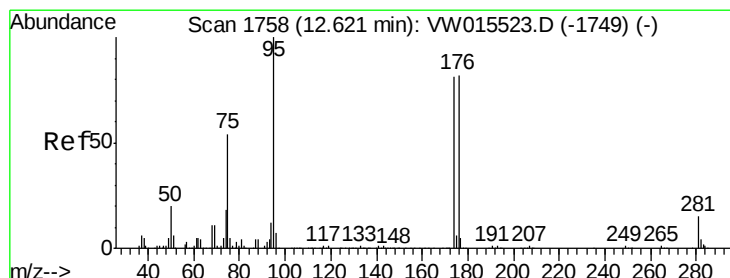
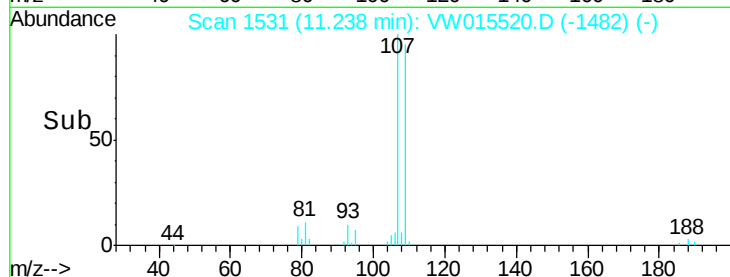
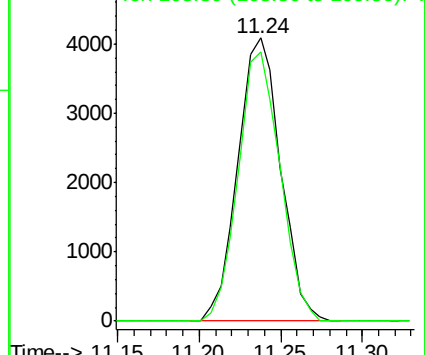
MMDadoda

6/2/2020 4:00:11 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.755 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

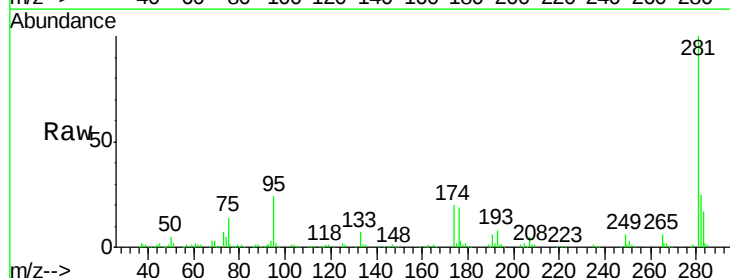
Tgt Ion: 95 Resp: 15900

Ion Ratio Lower Upper

95 100

174 76.7 0.0 153.6

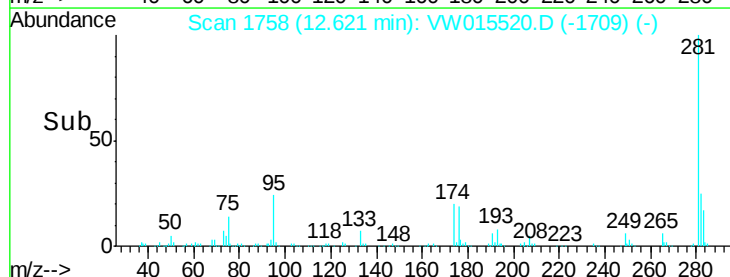
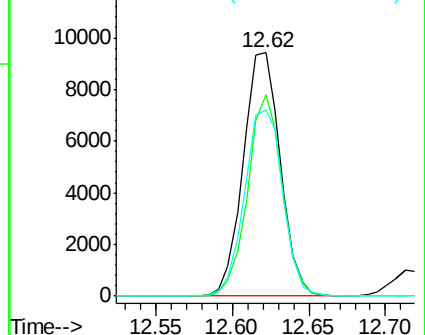
176 78.7 0.0 152.8

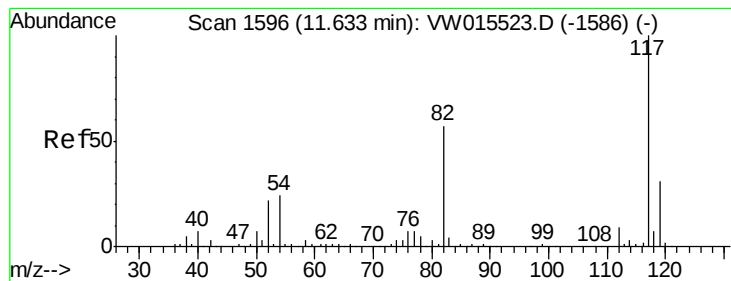


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

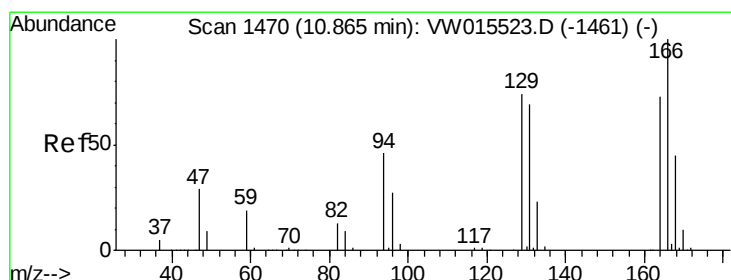
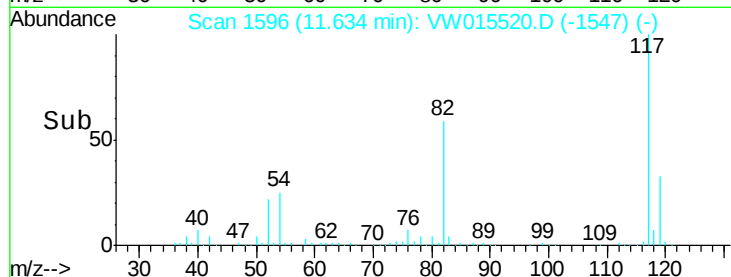
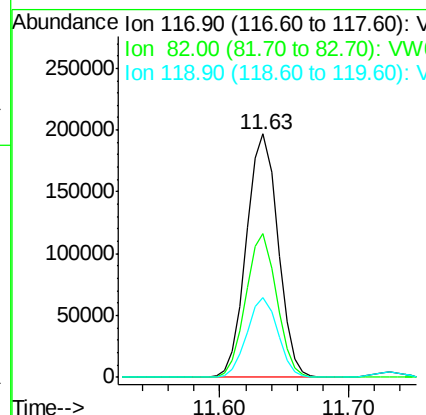
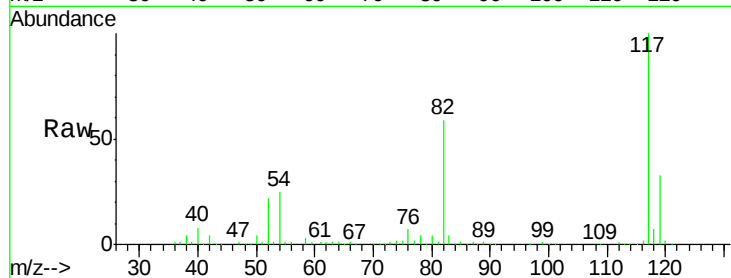
ClientSampled :

VSTDIC005

Tot Ion:	117	Resp:	333541
Ion Ratio	Lower	Upper	
117	100		
82	59.1	45.8	68.8
119	32.7	24.7	37.1

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#64

Tetrachloroethene

Concen: 5.312 ug/l

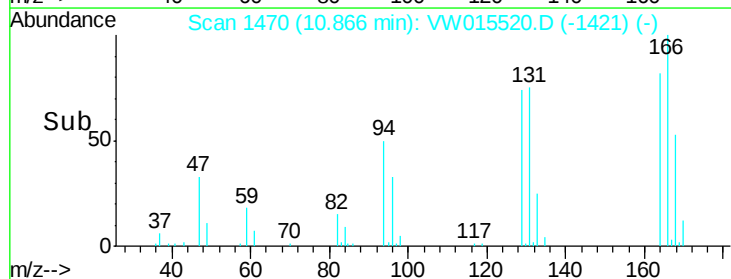
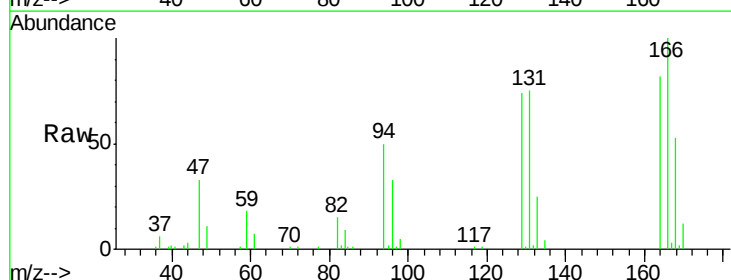
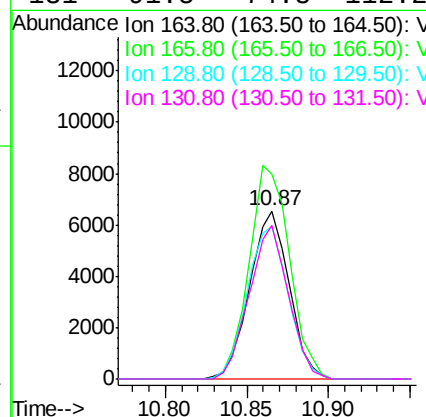
RT: 10.87 min Scan# 1470

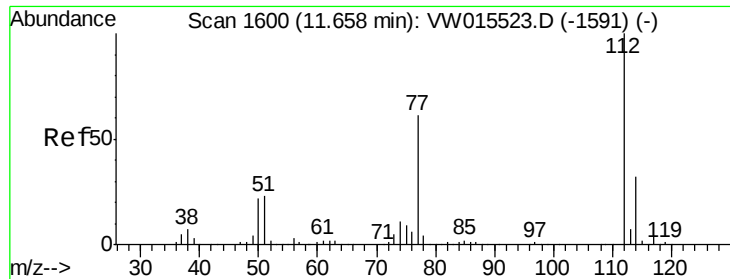
Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Tgt Ion:	164	Resp:	11002
Ion Ratio	Lower	Upper	
164	100		
166	121.8	109.0	163.6
129	90.6	81.0	121.4
131	91.5	74.8	112.2





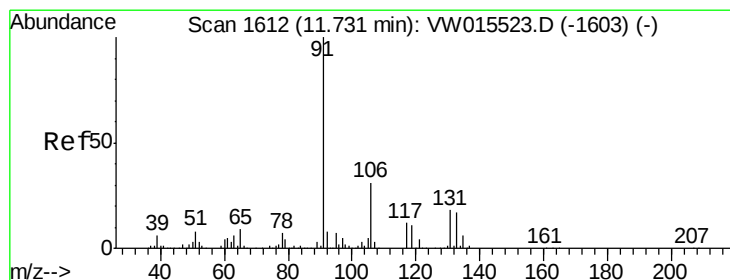
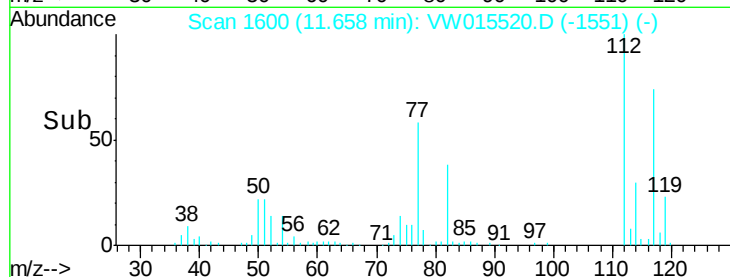
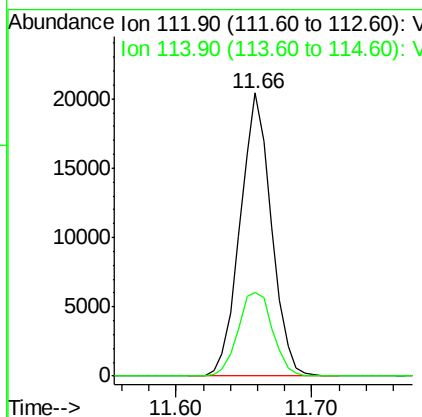
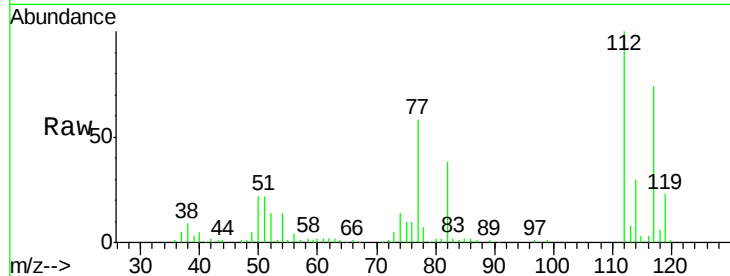
#65
Chlorobenzene
Concen: 4.919 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 32799
Ion Ratio Lower Upper
112 100
114 29.7 25.8 38.6

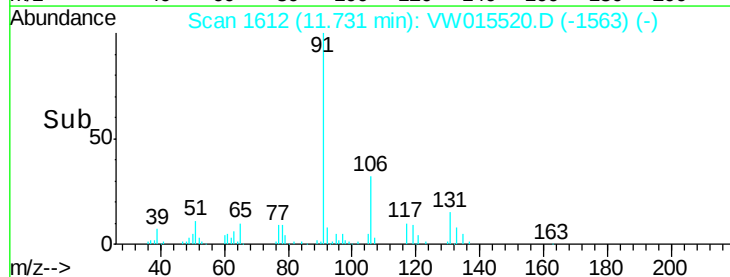
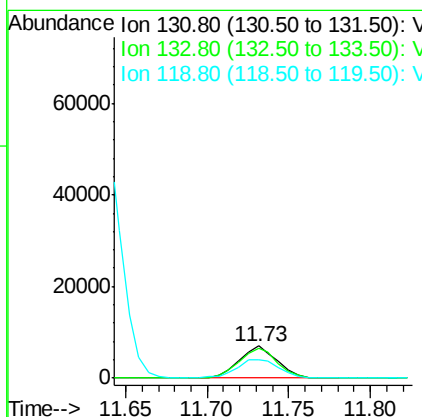
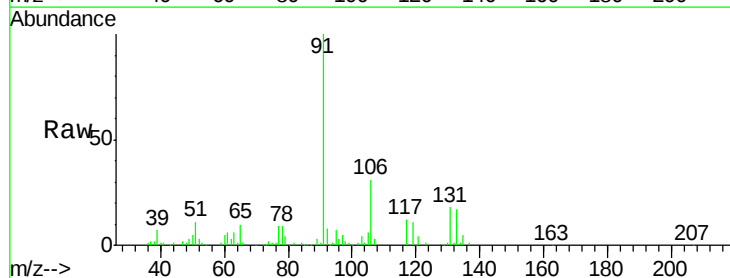
Manual Integrations
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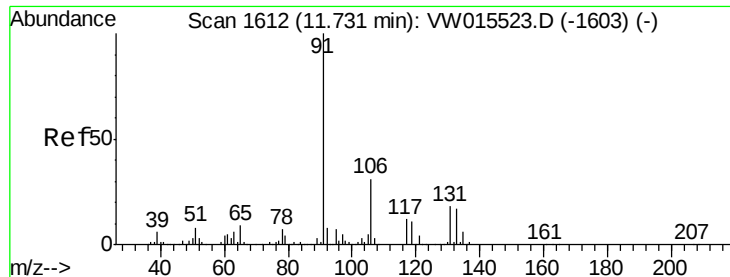
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.771 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion:131 Resp: 11305
Ion Ratio Lower Upper
131 100
133 96.0 48.3 144.8
119 65.4 32.5 97.5





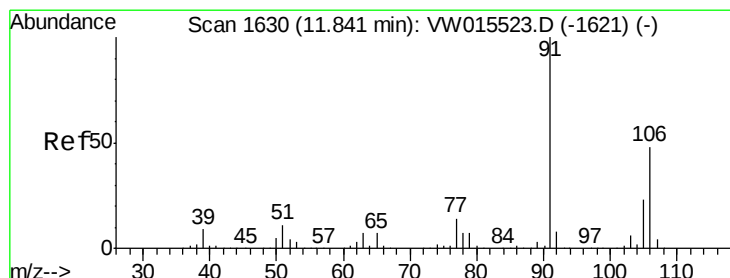
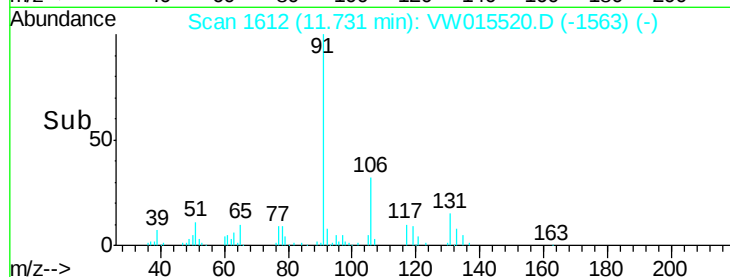
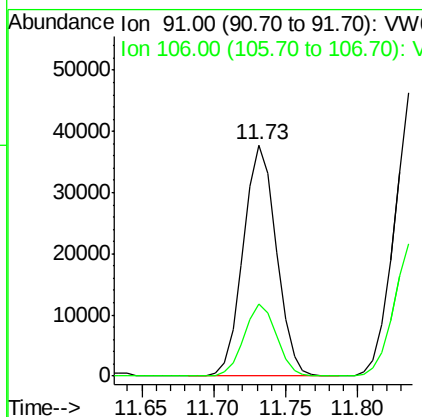
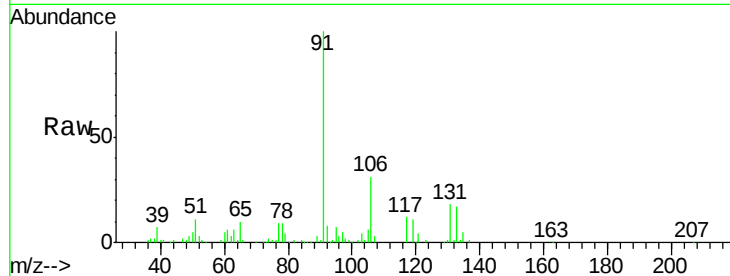
#67
Ethyl Benzene
Concen: 4.722 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 60146
Ion Ratio Lower Upper
91 100
106 31.5 24.5 36.7

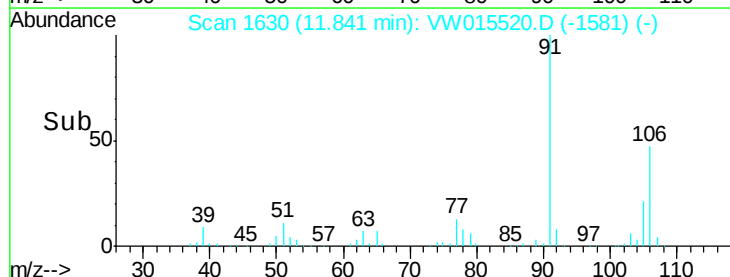
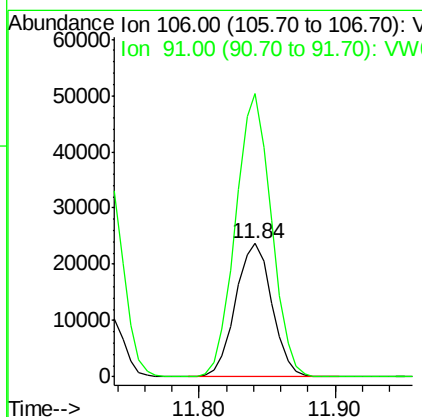
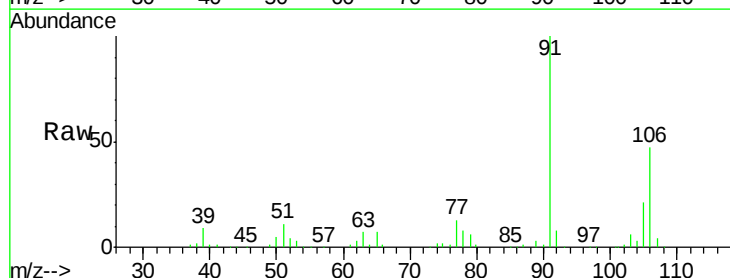
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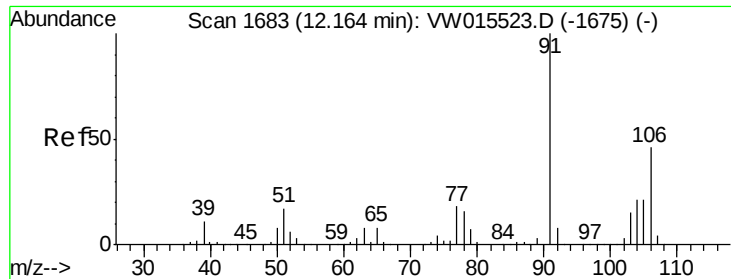
MMDadoda
6/2/2020 4:00:11 PM



#68
m/p-Xylenes
Concen: 9.349 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion: 106 Resp: 44331
Ion Ratio Lower Upper
106 100
91 207.8 163.5 245.3





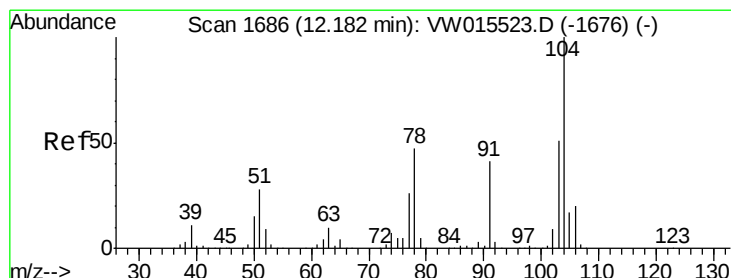
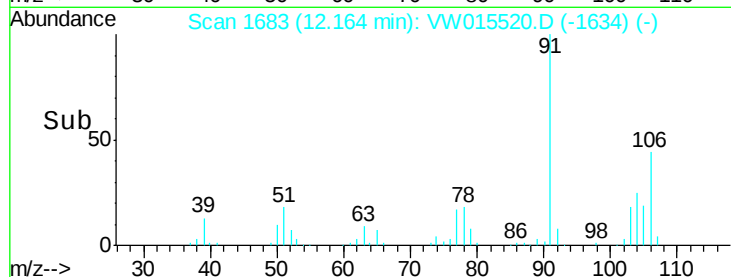
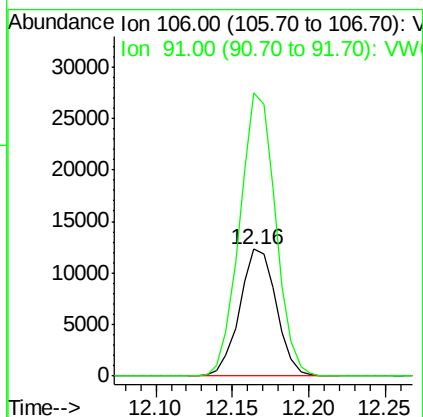
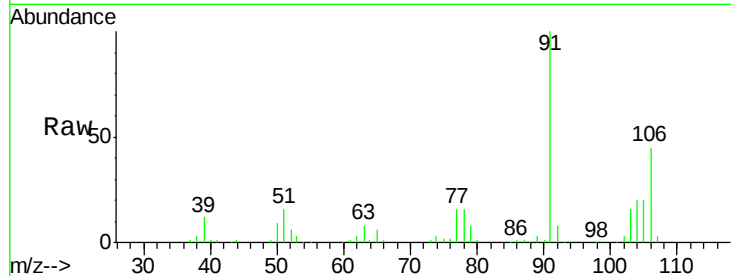
#69
o-Xylene
Concen: 4.575 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 20354
Ion Ratio Lower Upper
106 100
91 219.8 107.8 323.4

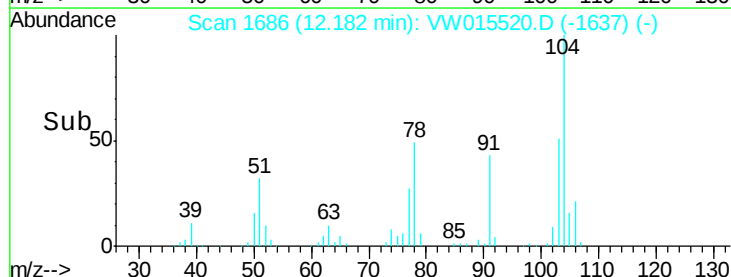
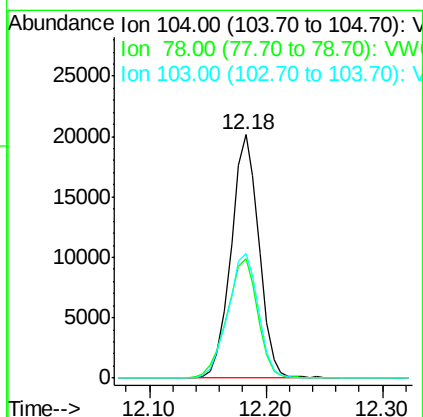
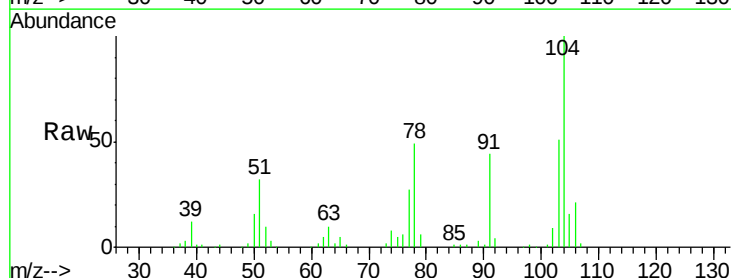
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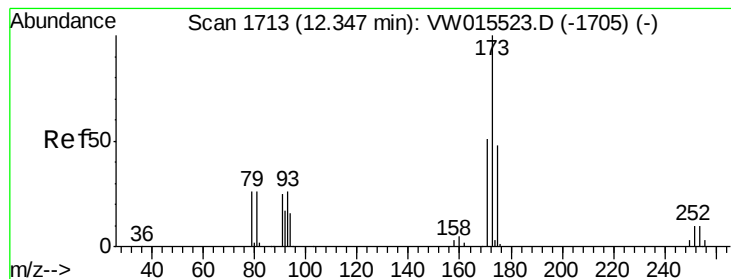
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#70
Styrene
Concen: 4.362 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion:104 Resp: 33408
Ion Ratio Lower Upper
104 100
78 54.0 41.7 62.5
103 55.8 43.8 65.8





#71

Bromoform

Concen: 4.223 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

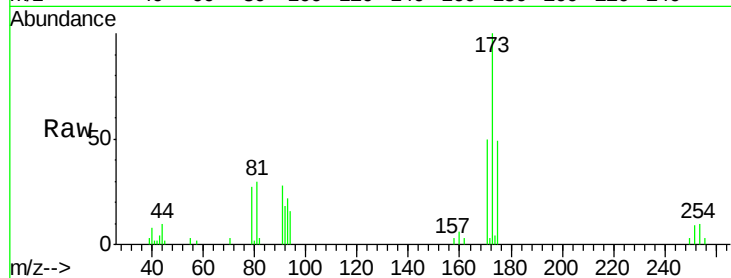
ClientSampleId :

VSTDIC005

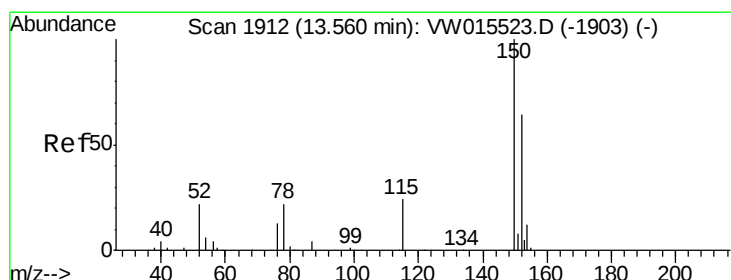
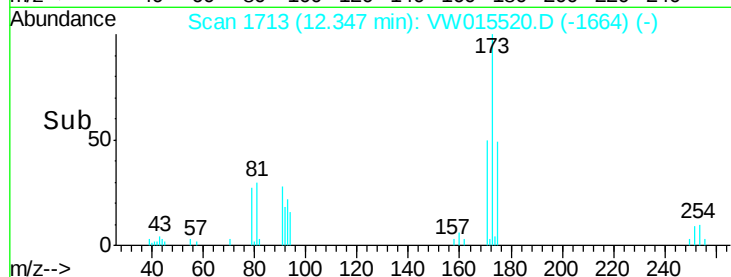
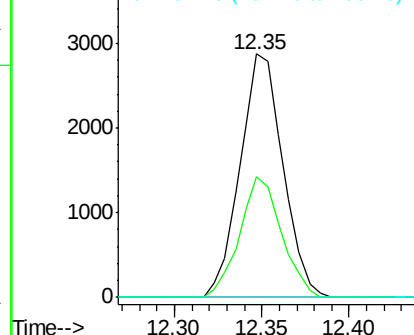
Tot Ion:	173	Resp:	4900
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.8	74.3
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

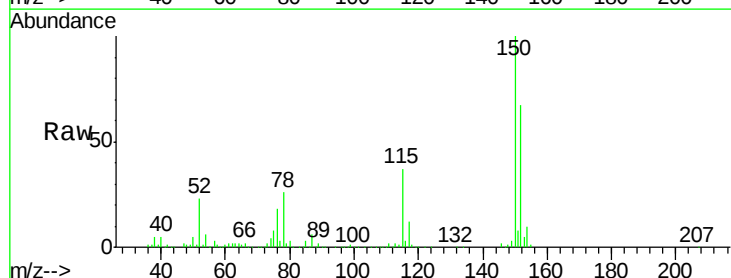
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

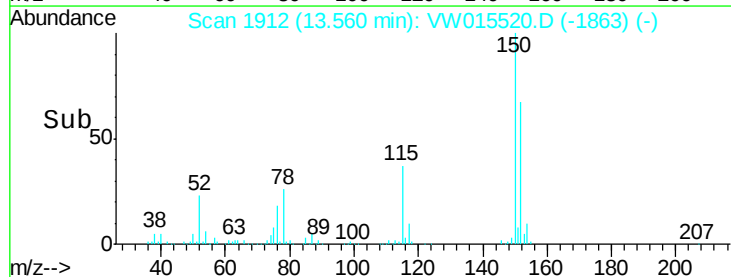
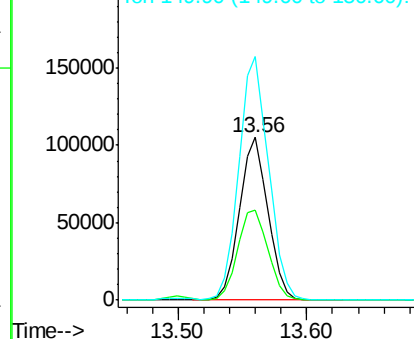
Lab File: VW015520.D

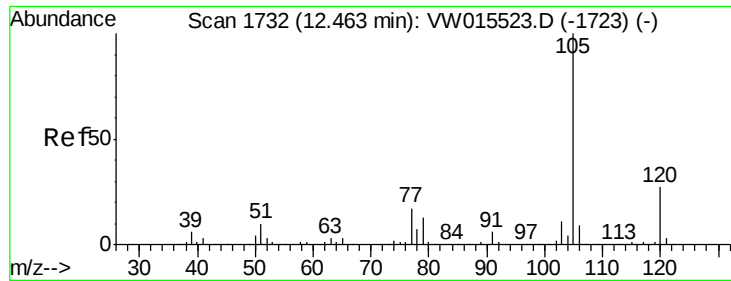
Acq: 02 Jun 2020 11:26

Tgt Ion:	152	Resp:	161242
Ion Ratio	Lower	Upper	
152	100		
115	59.1	30.0	90.0
150	156.5	0.0	351.0



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





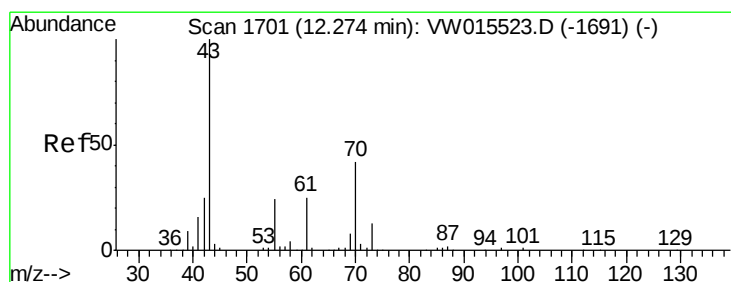
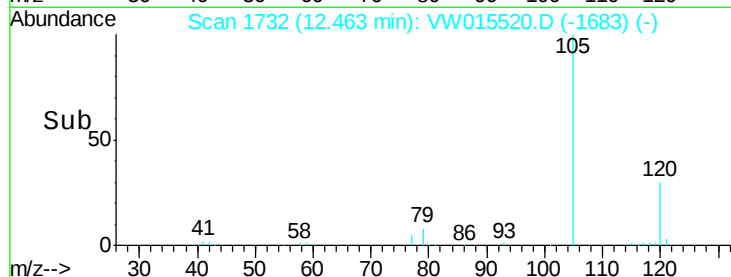
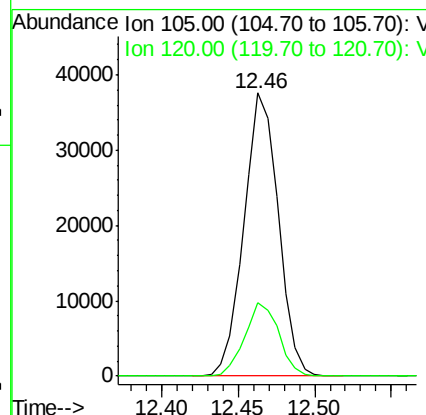
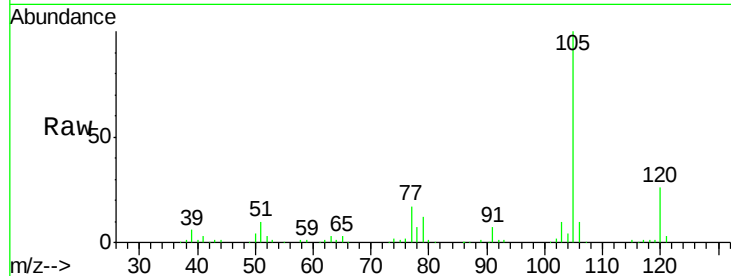
#73
Isopropylbenzene
Concen: 4.810 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 105 Resp: 58680
Ion Ratio Lower Upper
105 100
120 25.7 13.0 38.9

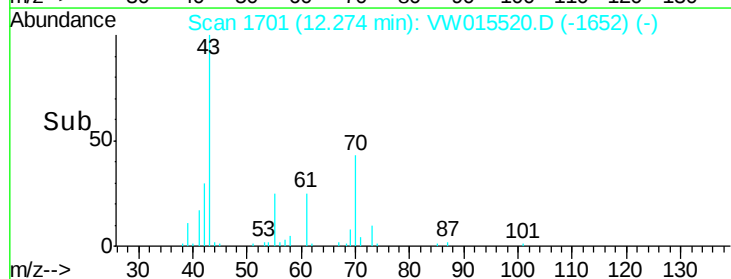
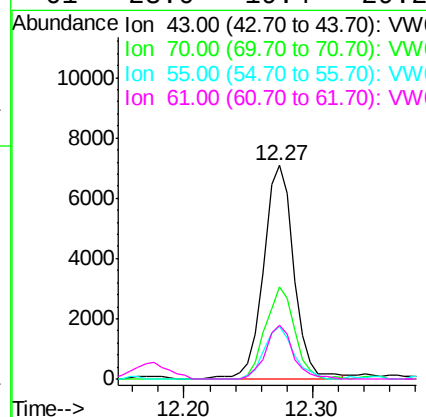
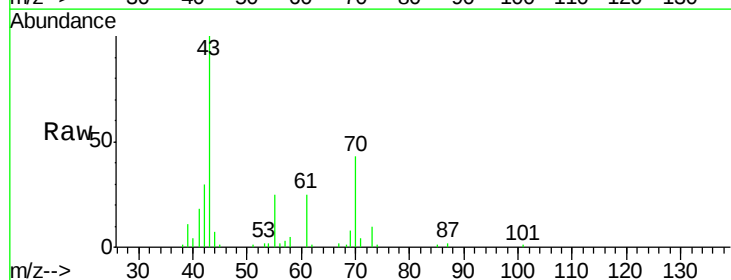
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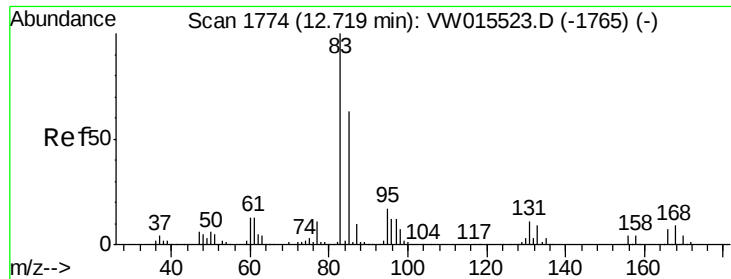
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6/2/2020 4:00:11 PM



#74
N-ethyl acetate
Concen: 3.992 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion: 43 Resp: 11539
Ion Ratio Lower Upper
43 100
70 41.1 33.6 50.4
55 23.7 19.1 28.7
61 23.0 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.478 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

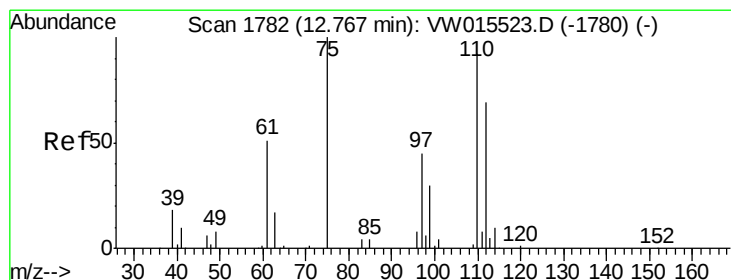
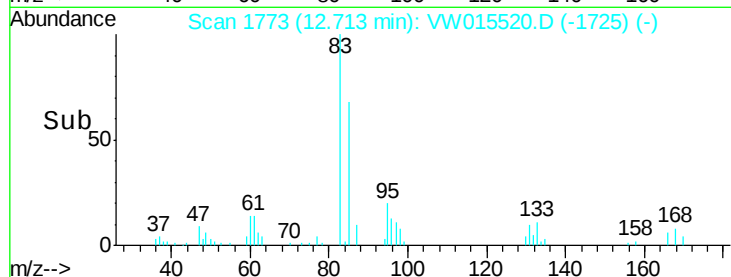
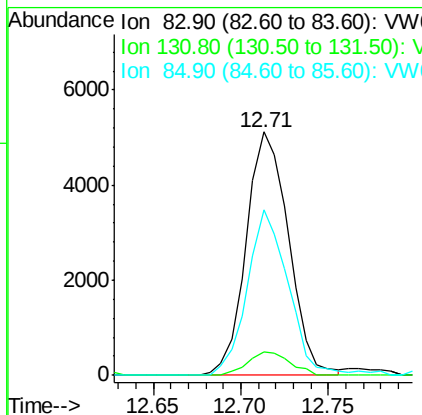
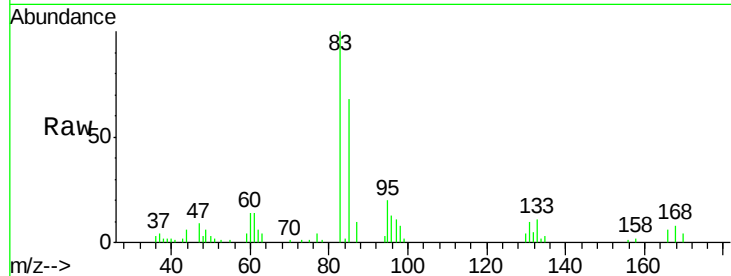
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	8632
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.3	16.1
85	65.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.651 ug/l m

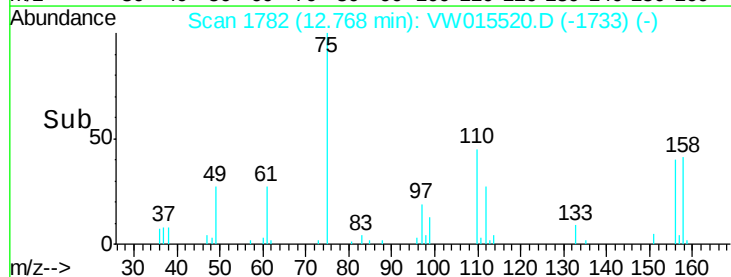
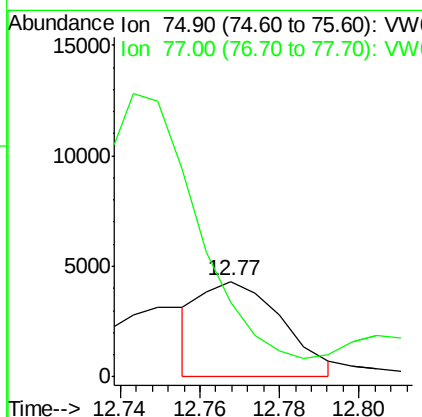
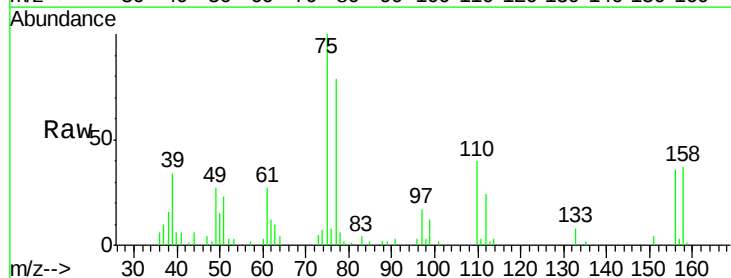
RT: 12.77 min Scan# 1782

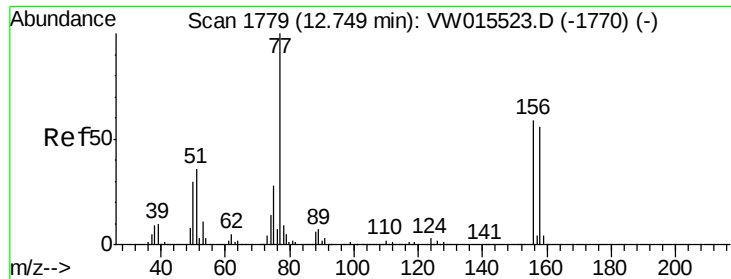
Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Tgt Ion:	75	Resp:	6175
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.728 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

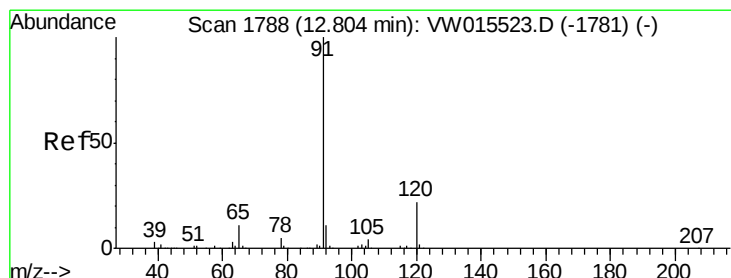
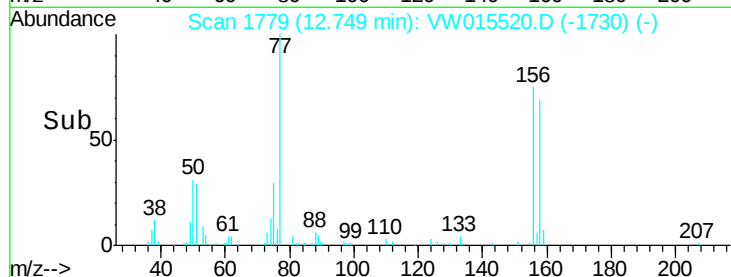
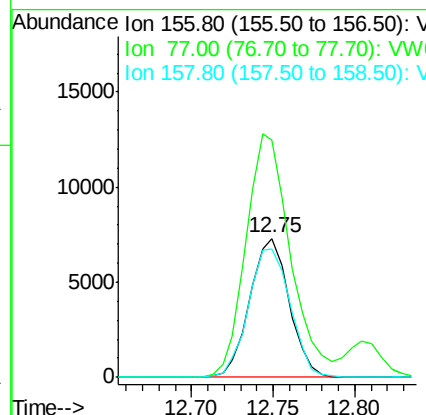
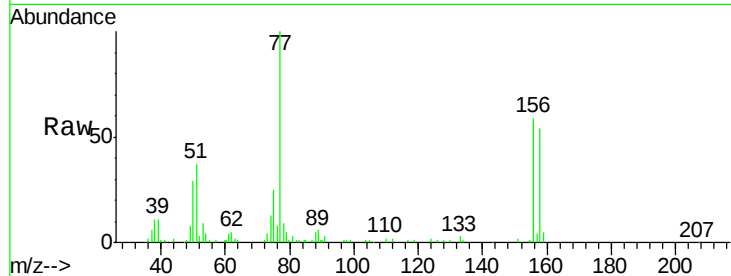
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	12311
Ion	Ratio	Lower	Upper
156	100		
77	197.0	97.3	291.8
158	98.6	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 4.860 ug/l

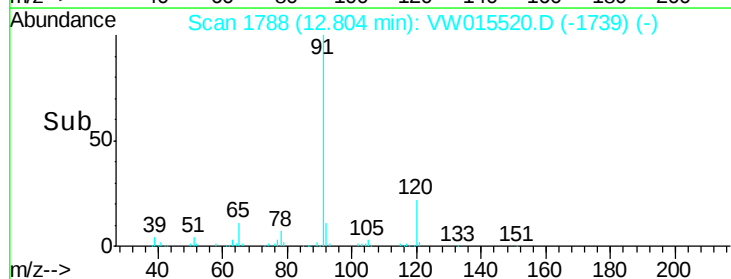
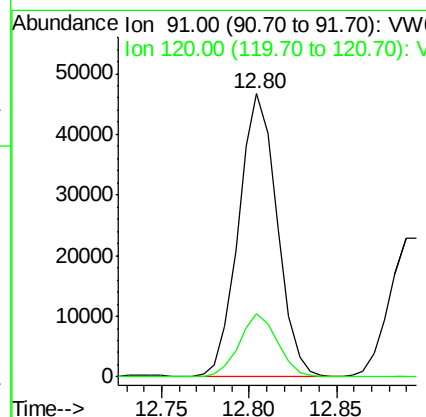
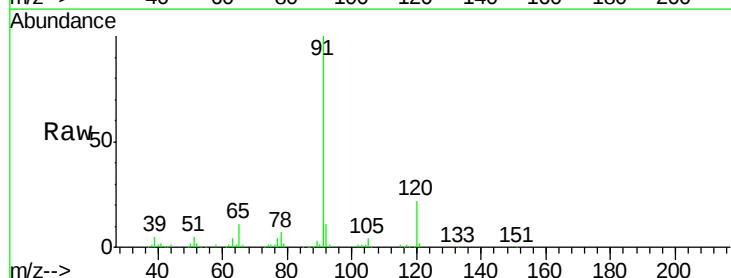
RT: 12.80 min Scan# 1788

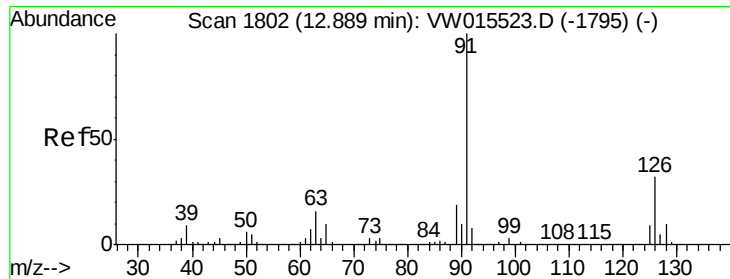
Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Tgt Ion:	91	Resp:	71047
Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.8





#79

2-Chlorotoluene

Concen: 4.770 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 39349

Ion Ratio Lower Upper

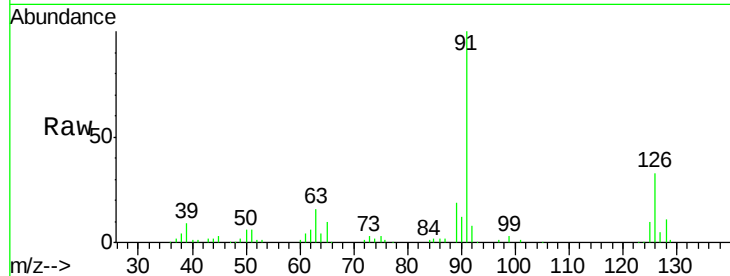
91 100

126 32.4 16.2 48.5

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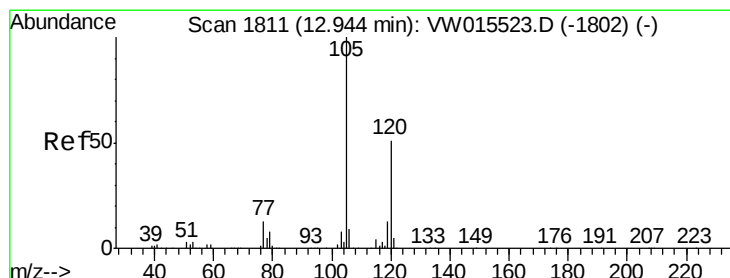
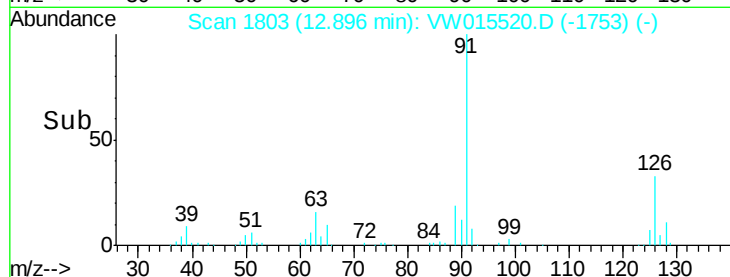
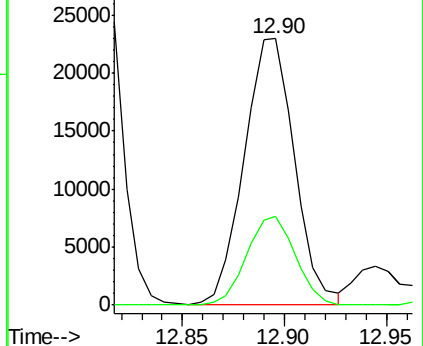
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.778 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015520.D

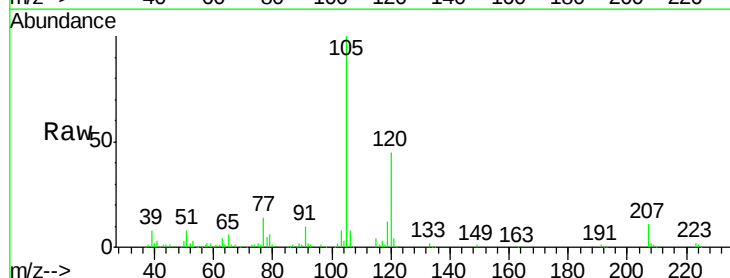
Acq: 02 Jun 2020 11:26

Tgt Ion: 105 Resp: 48977

Ion Ratio Lower Upper

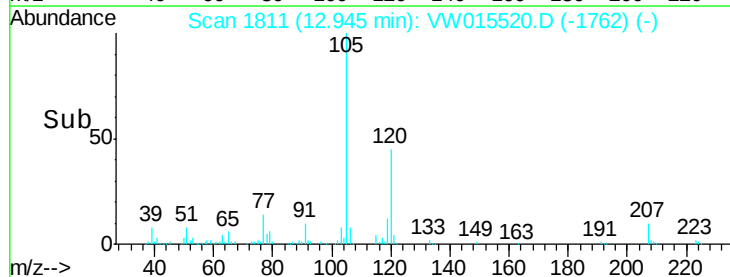
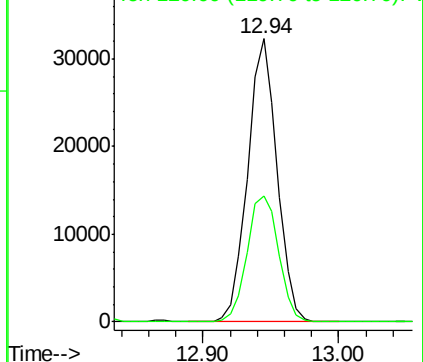
105 100

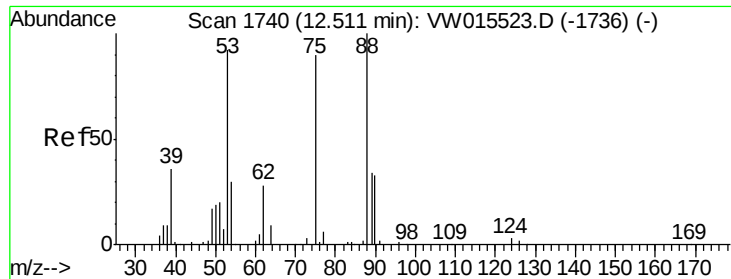
120 47.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





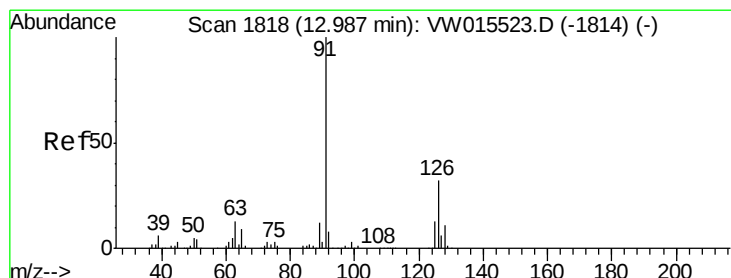
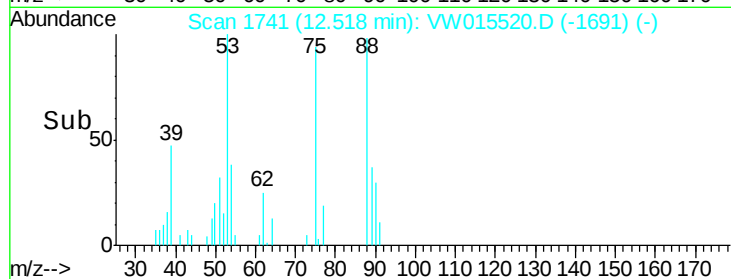
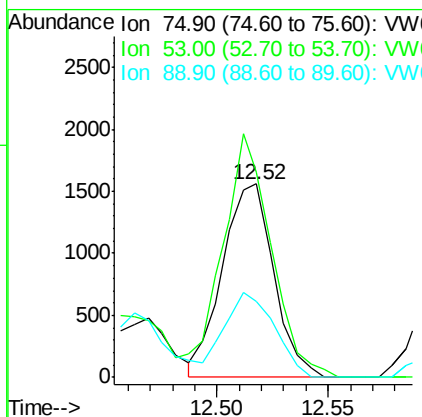
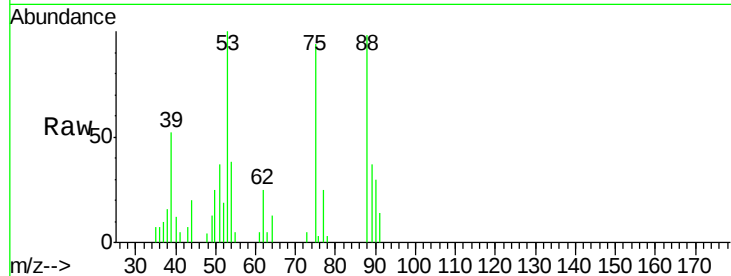
#81
trans-1,4-Dichloro-2-butene
Concen: 3.670 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.3	84.0	126.0
89	42.6	36.6	55.0

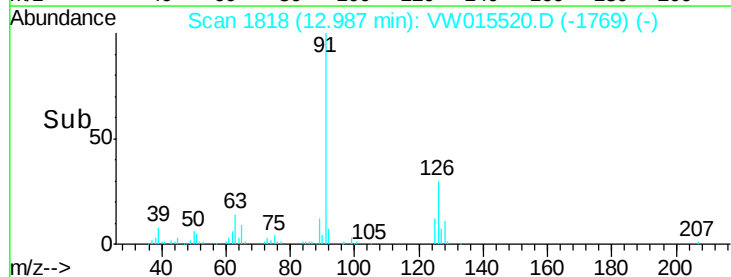
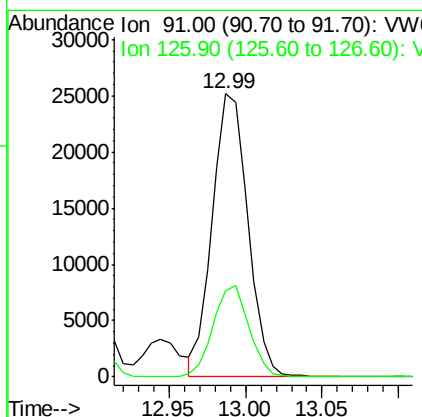
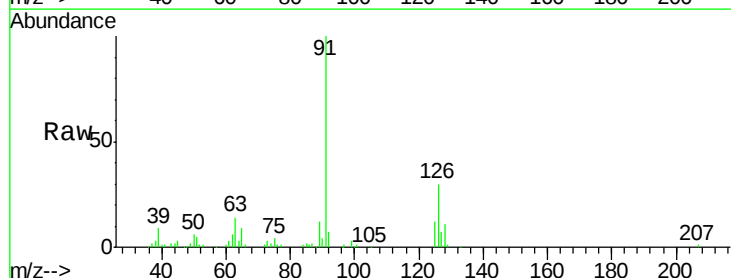
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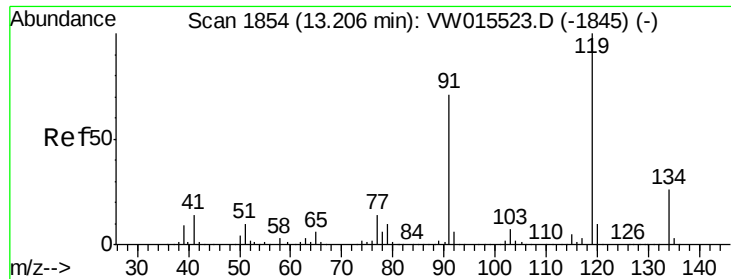
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.676 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4





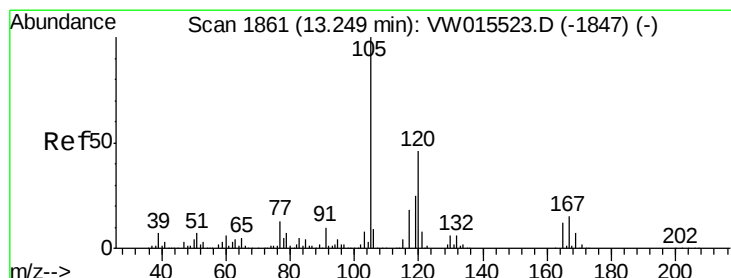
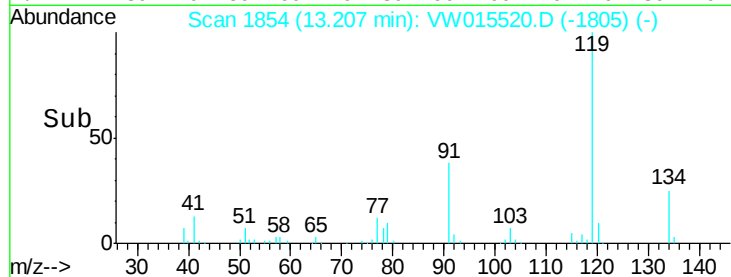
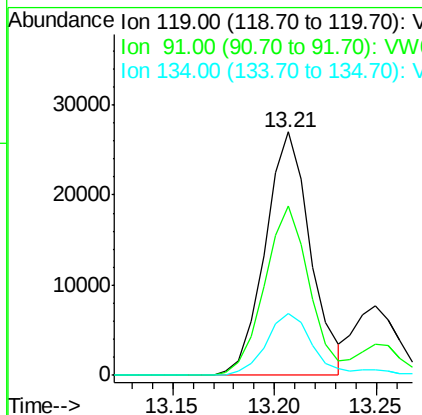
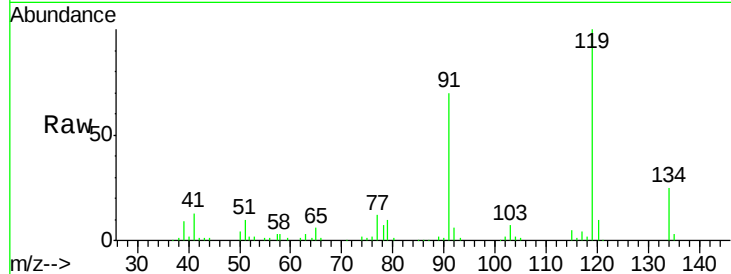
#83
 tert-Butylbenzene
 Concen: 4.758 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	119	Resp:	41615
Ion Ratio	Lower	Upper	
119	100		
91	68.9	34.2	102.5
134	27.7	12.7	38.1

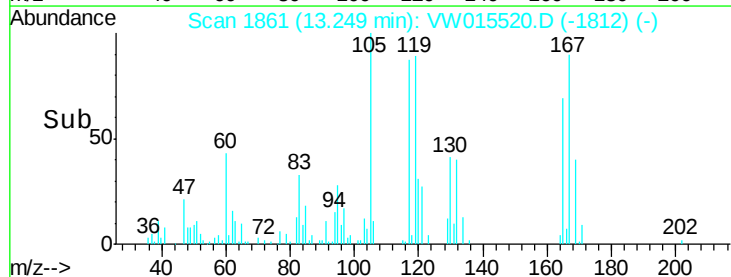
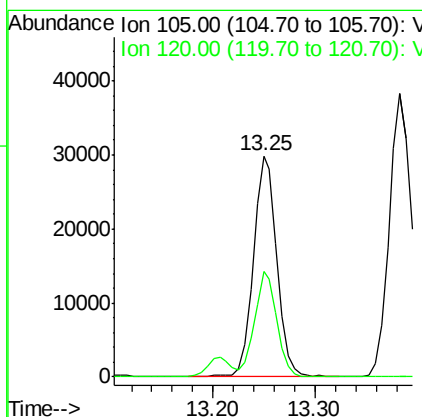
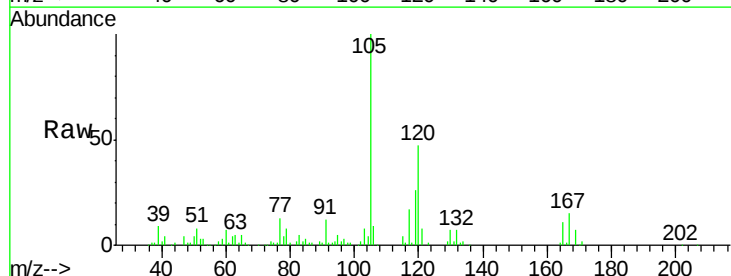
Manual Integrations
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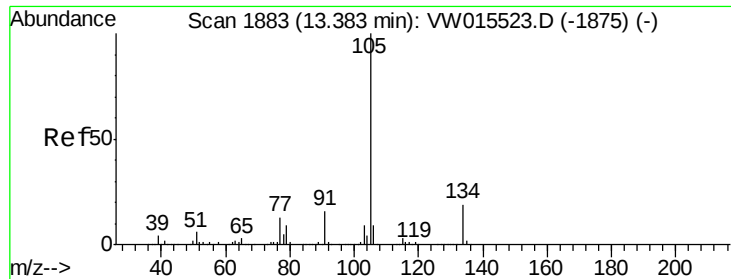
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.688 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Tgt Ion:	105	Resp:	48098
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.6	67.8





#85

sec-Butylbenzene

Concen: 4.767 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 58740

Ion Ratio Lower Upper

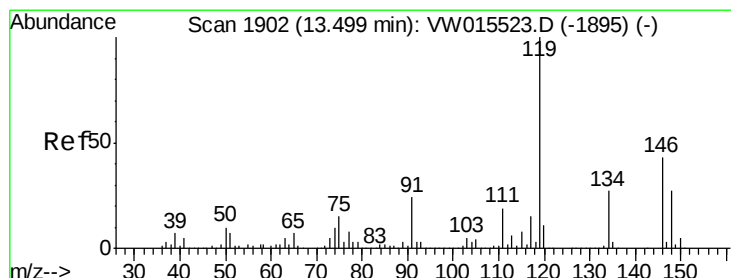
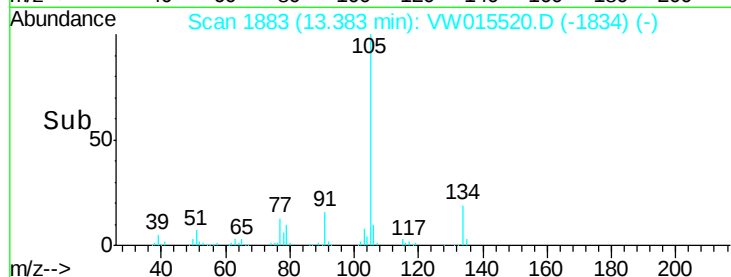
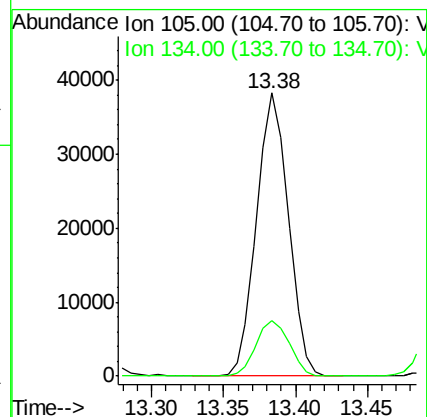
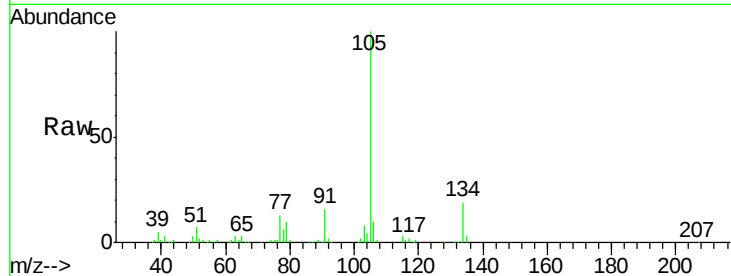
105 100

134 20.3 10.0 30.0

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 4.767 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

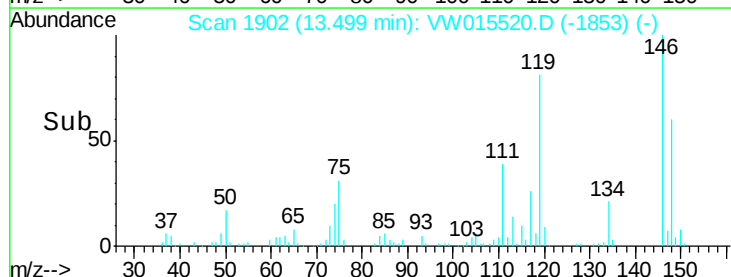
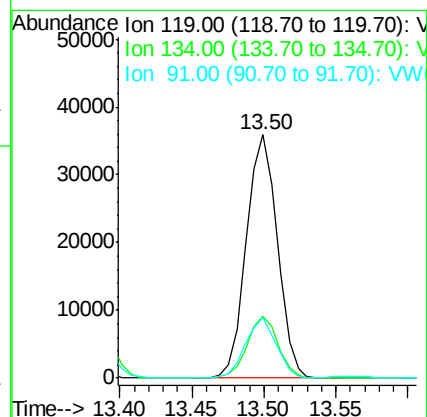
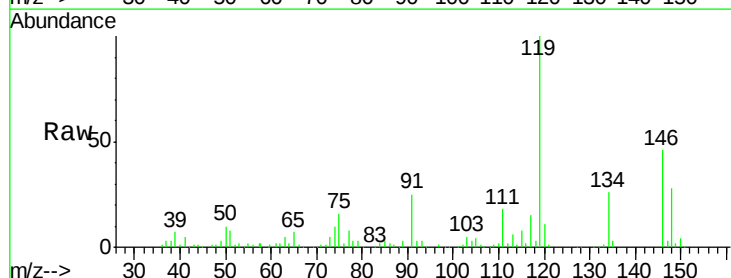
Tgt Ion:119 Resp: 53571

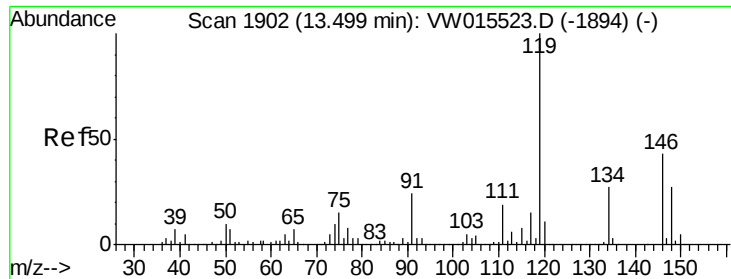
Ion Ratio Lower Upper

119 100

134 25.4 13.2 39.5

91 24.5 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 4.890 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

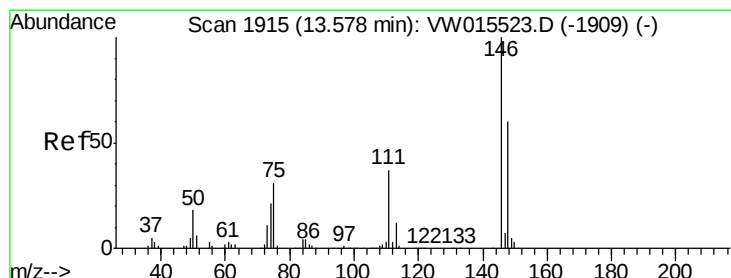
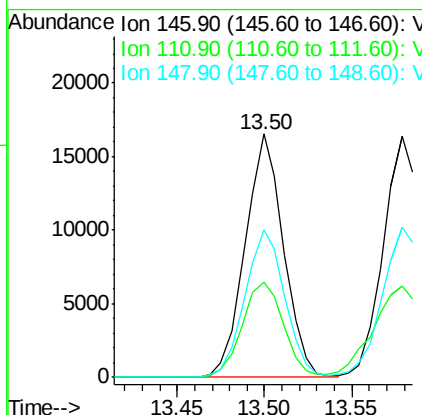
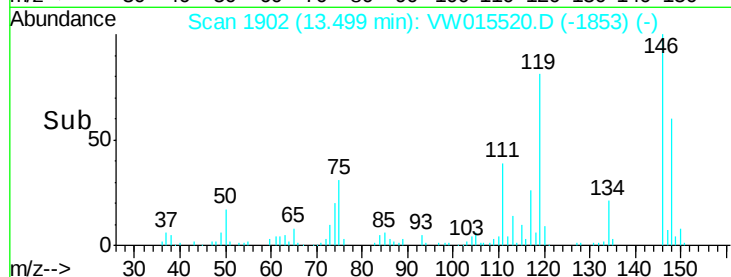
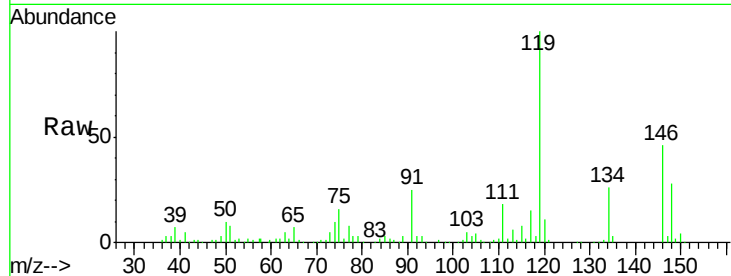
Instrument :
MSVOA_W

ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.5
148	62.9	31.2	93.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 4.983 ug/l

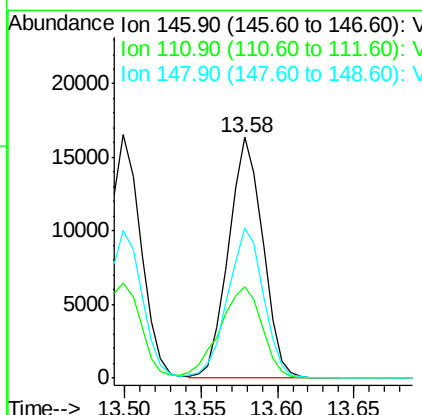
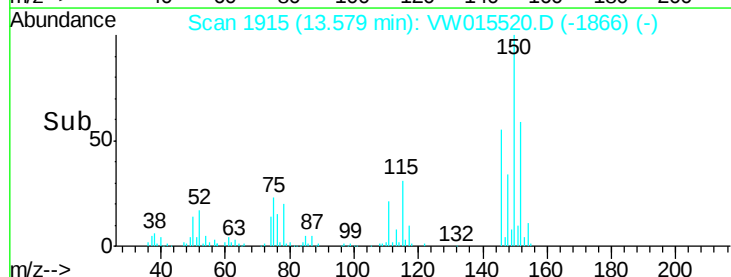
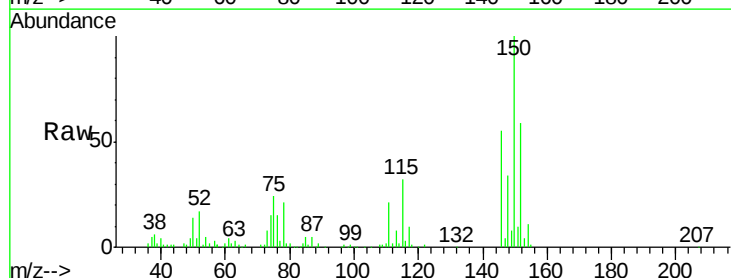
RT: 13.58 min Scan# 1915

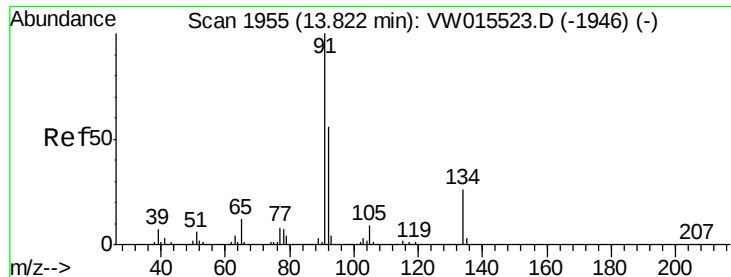
Delta R.T. 0.00 min

Lab File: VW015520.D

Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	19.6	58.7
148	65.2	30.9	92.7





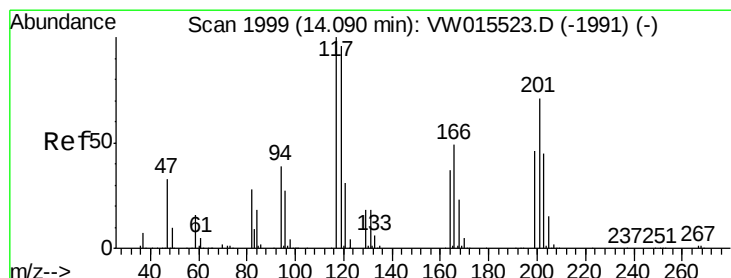
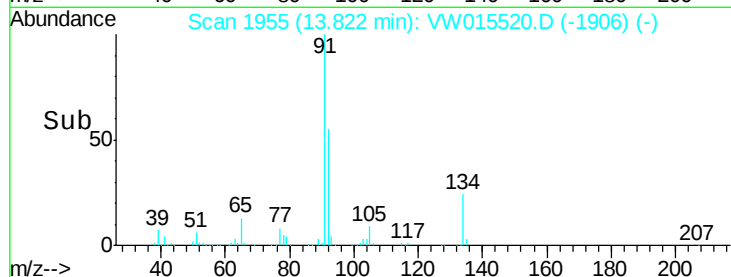
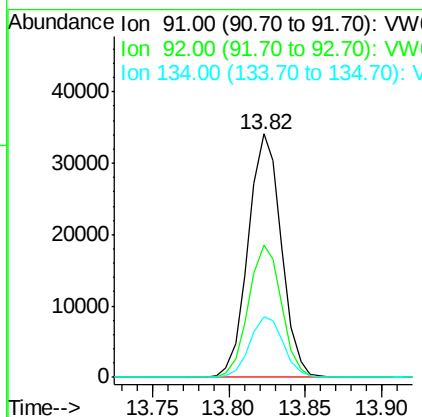
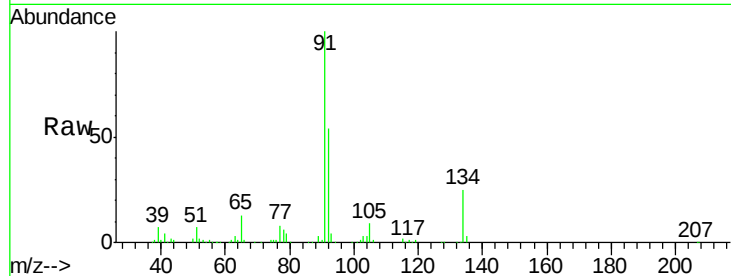
#89
n-Butylbenzene
Concen: 4.687 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.9
134	25.4	13.1	39.1

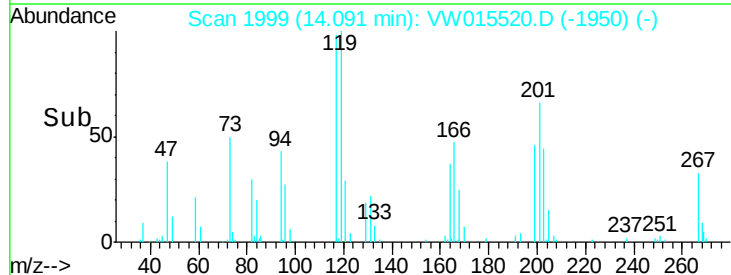
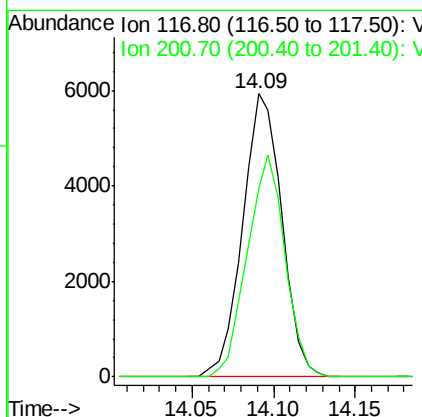
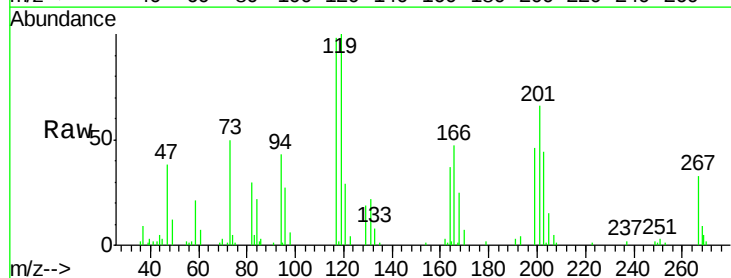
Manual Integrations
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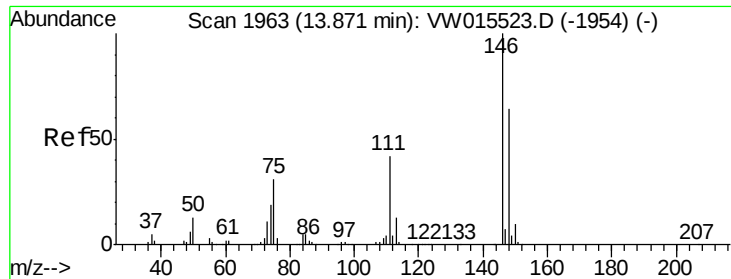
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#90
Hexachloroethane
Concen: 4.776 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	38.5	115.3





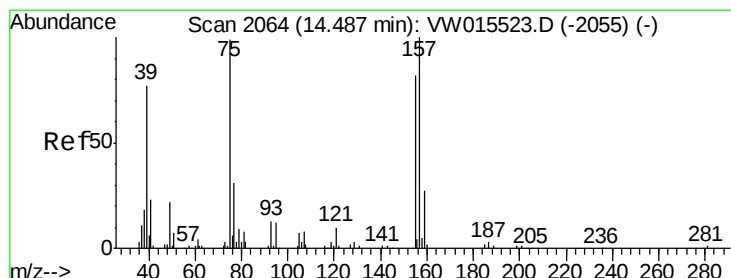
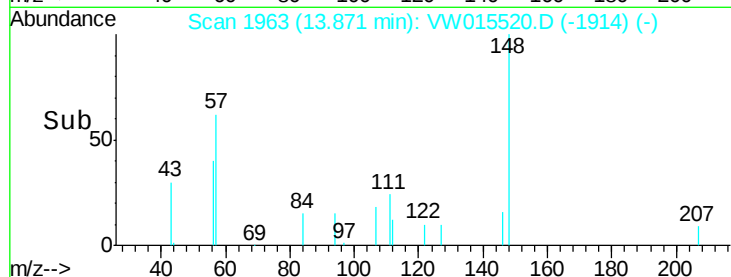
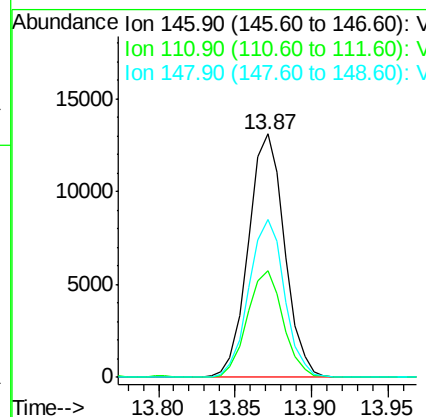
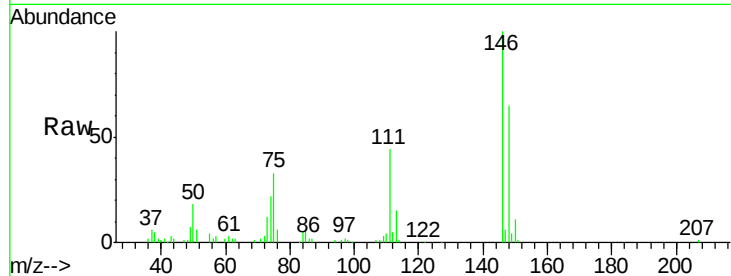
#91
 1,2-Dichlorobenzene
 Concen: 4.794 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.8
148	63.7	32.1	96.5

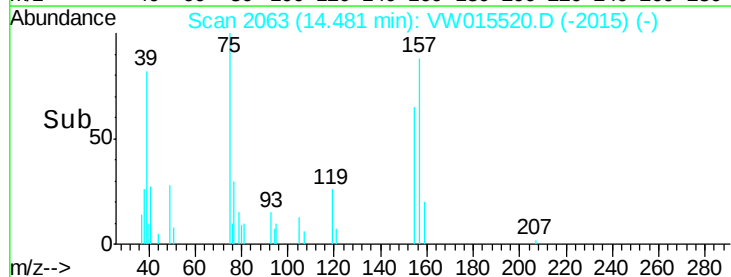
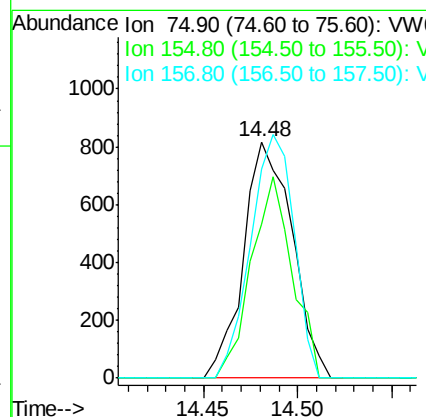
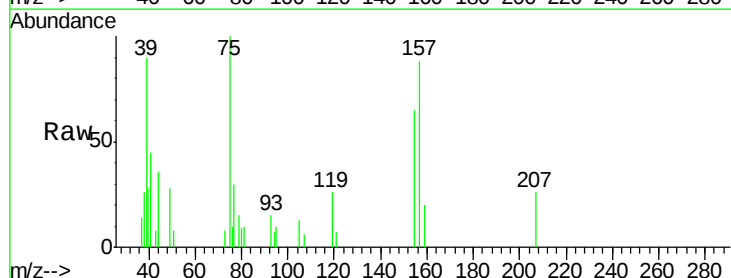
Manual Integrations
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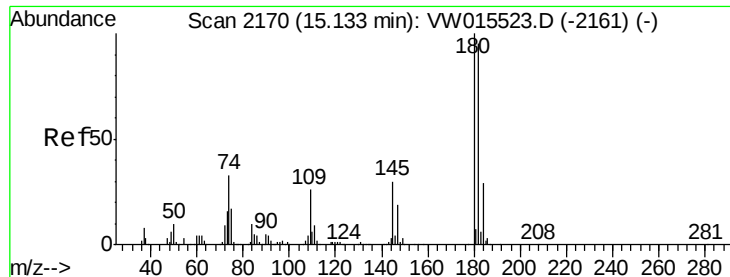
MMDadoda
 6/2/2020 4:00:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.347 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	40.4	121.1
157	91.8	50.5	151.6





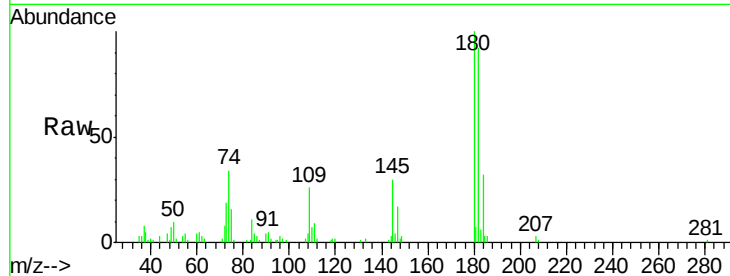
#93
 1,2,4-Trichlorobenzene
 Concen: 4.715 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

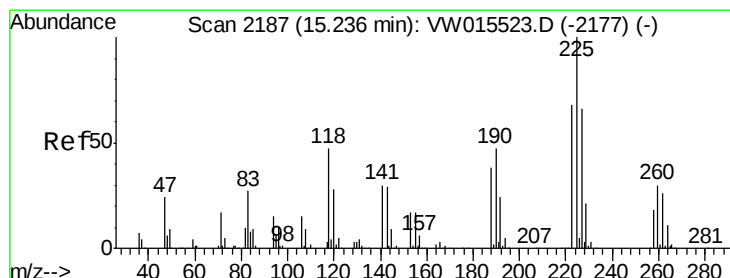
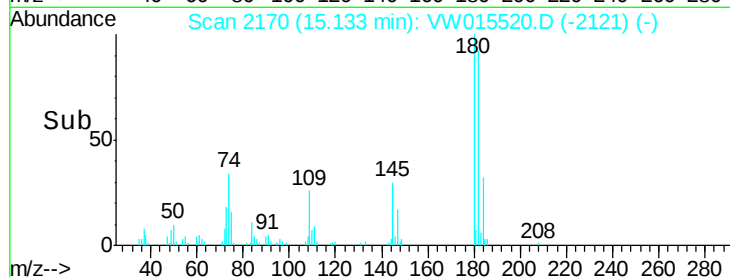
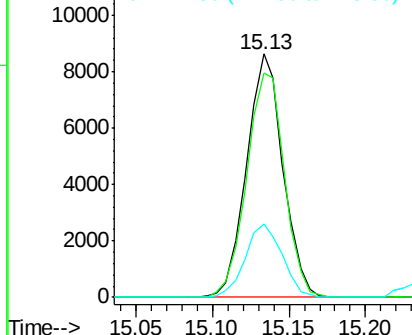
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.7	143.1
145	30.7	15.4	46.2

Manual Integrations
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MMDadoda
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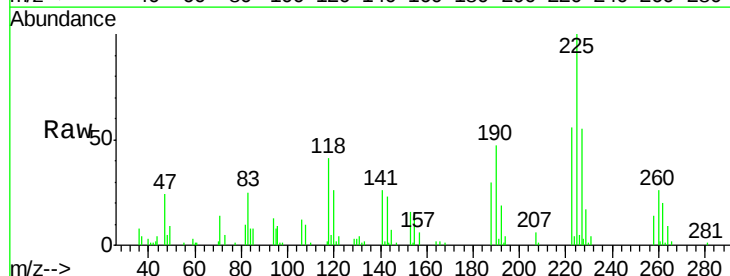


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

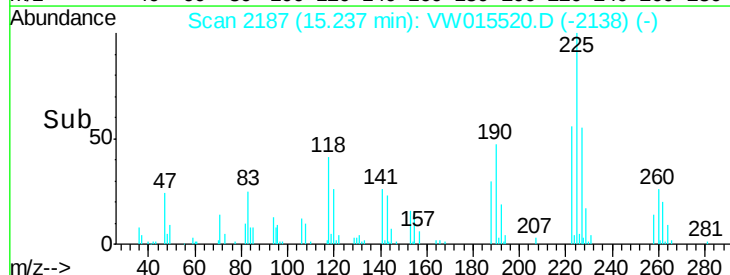
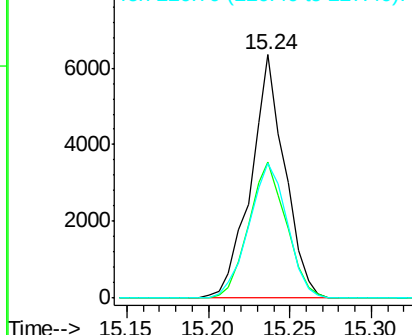


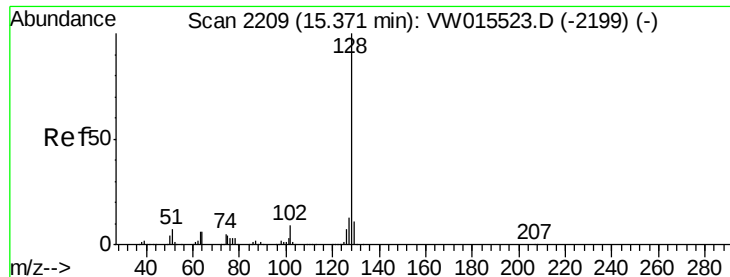
#94
 Hexachlorobutadiene
 Concen: 5.139 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015520.D
 Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.8	95.4
227	62.6	32.6	97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





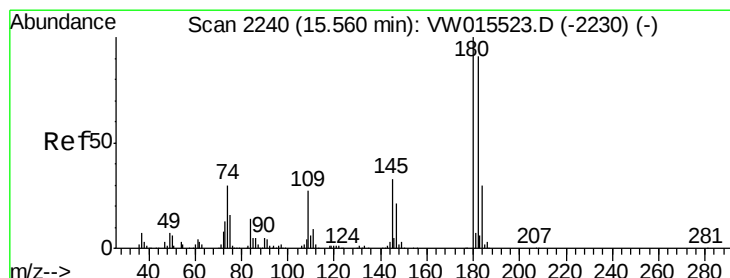
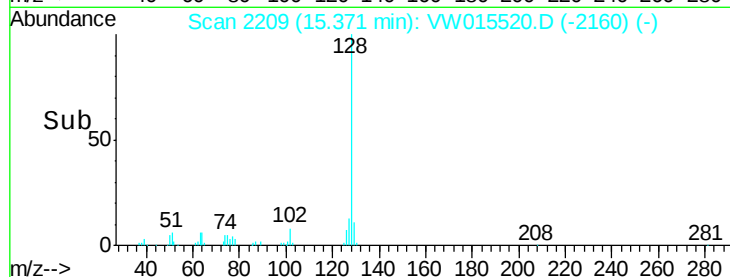
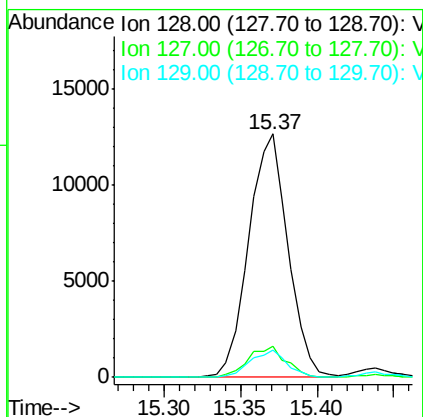
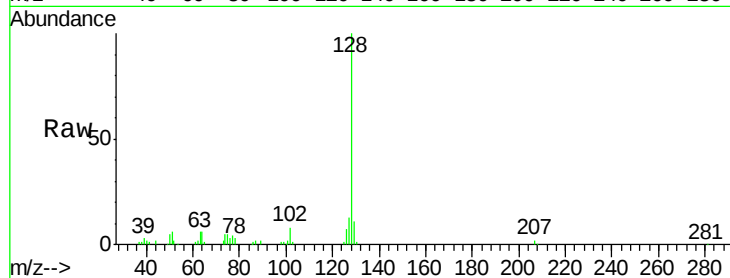
#95
Naphthalene
Concen: 4.175 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	10.4	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.591 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015520.D
Acq: 02 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.1	141.4
145	33.2	16.3	48.8

