

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011022.D
 Acq On : 27 Jun 2019 15:55
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:24:59 AM

Quant Time: Jun 28 01:51:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155497	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52282	19.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.88%	
35) Dibromofluoromethane	7.88	113	39742	20.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.38%	
50) Toluene-d8	10.32	98	164581	19.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.14%	
62) 4-Bromofluorobenzene	12.62	95	59269	18.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33447	17.306	ug/l	96
3) Chloromethane	2.21	50	42272	15.148	ug/l	97
4) Vinyl Chloride	2.36	62	57700	21.267	ug/l	99
5) Bromomethane	2.76	94	27337	18.596	ug/l	95
6) Chloroethane	2.91	64	28481	17.897	ug/l	97
7) Trichlorofluoromethane	3.24	101	15228	4.973	ug/l	93
8) Diethyl Ether	3.67	74	25630	20.488	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	45824	21.206	ug/l	99
10) Methyl Iodide	4.27	142	63113	30.447	ug/l	100
11) Tert butyl alcohol	5.17	59	18431	90.294	ug/l	98
12) 1,1-Dichloroethene	4.04	96	47048	22.192	ug/l	95
13) Acrolein	3.89	56	16284	166.568	ug/l	100
14) Allyl chloride	4.66	41	75179	16.907	ug/l	97
15) Acrylonitrile	5.36	53	59849	97.216	ug/l	98
16) Acetone	4.12	43	62803	93.225	ug/l	99
17) Carbon Disulfide	4.38	76	131305	19.751	ug/l	100
18) Methyl Acetate	4.67	43	33999	22.762	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	67053	12.073	ug/l	93
20) Methylene Chloride	4.92	84	54759	22.731	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49123	20.842	ug/l	97
22) Diisopropyl ether	6.31	45	184582	20.187	ug/l	98
23) Vinyl Acetate	6.25	43	550616	98.982	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95446	20.647	ug/l	99
25) 2-Butanone	7.17	43	94788	99.942	ug/l	100
26) 2,2-Dichloropropane	7.16	77	49818	14.206	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52495	20.274	ug/l	98
28) Bromochloromethane	7.51	49	45456	21.480	ug/l	99
29) Tetrahydrofuran	7.52	42	59362	98.784	ug/l	99
30) Chloroform	7.67	83	87733	20.761	ug/l	98
31) Cyclohexane	7.95	56	103942	20.330	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	65671	18.235	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74598	20.692	ug/l	99
37) Ethyl Acetate	7.25	43	42021	20.738	ug/l	98
38) Carbon Tetrachloride	8.07	117	60127	19.507	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	91327	20.085	ug/l	96
40) Benzene	8.32	78	204312	20.733	ug/l	99
41) Methacrylonitrile	7.48	41	24970	20.631	ug/l	97
42) 1,2-Dichloroethane	8.40	62	66640	21.229	ug/l	100
43) Isopropyl Acetate	8.42	43	78709	20.242	ug/l	100
44) Trichloroethene	9.09	130	49451	20.419	ug/l	95
45) 1,2-Dichloropropane	9.37	63	55278	21.142	ug/l	100
46) Dibromomethane	9.45	93	25589	21.022	ug/l	97
47) Bromodichloromethane	9.65	83	62992	20.138	ug/l	98
48) Methyl methacrylate	9.43	41	37701	20.106	ug/l	100
49) 1,4-Dioxane	9.45	88	8015	408.662	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	205864	102.846	ug/l	100
52) Toluene	10.38	92	125429	20.715	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	64142	19.376	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	77704	19.896	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35848	20.472	ug/l	97
56) Ethyl methacrylate	10.65	69	52206	19.463	ug/l	99
57) 1,3-Dichloropropane	10.93	76	68315	20.713	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	146028	104.515	ug/l	100
59) 2-Hexanone	10.97	43	141770	98.526	ug/l	99
60) Dibromochloromethane	11.13	129	36710	19.141	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33385	20.197	ug/l	99
64) Tetrachloroethene	10.86	164	42056	20.261	ug/l	96
65) Chlorobenzene	11.66	112	125169	20.318	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	42169	19.889	ug/l	99
67) Ethyl Benzene	11.73	91	240529	20.313	ug/l	100
68) m/p-Xylenes	11.84	106	176388	41.480	ug/l	99
69) o-Xylene	12.16	106	81848	20.353	ug/l	100
70) Styrene	12.18	104	142237	20.347	ug/l	100
71) Bromoform	12.35	173	19392	17.750	ug/l #	100
73) Isopropylbenzene	12.46	105	227317	19.517	ug/l	99
74) N-amyl acetate	12.27	43	73324	19.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42740	19.129	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31010m	18.917	ug/l	
77) Bromobenzene	12.75	156	50399	19.839	ug/l	97
78) n-propylbenzene	12.80	91	284958	20.180	ug/l	100
79) 2-Chlorotoluene	12.89	91	161131	19.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	193735	20.169	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12058	17.040	ug/l	94
82) 4-Chlorotoluene	12.99	91	168031	20.153	ug/l	100
83) tert-Butylbenzene	13.21	119	161908	19.948	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	198252	20.512	ug/l	98
85) sec-Butylbenzene	13.38	105	234439	19.853	ug/l	100
86) p-Isopropyltoluene	13.50	119	213916	20.237	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98961	20.123	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	98857	20.221	ug/l	99
89) n-Butylbenzene	13.82	91	215939	20.417	ug/l	100
90) Hexachloroethane	14.10	117	34473	18.380	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	89088	20.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7251	18.798	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62789	20.151	ug/l	99
94) Hexachlorobutadiene	15.24	225	38210	19.672	ug/l	97
95) Naphthalene	15.37	128	111273	19.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	54571	20.468	ug/l	99

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

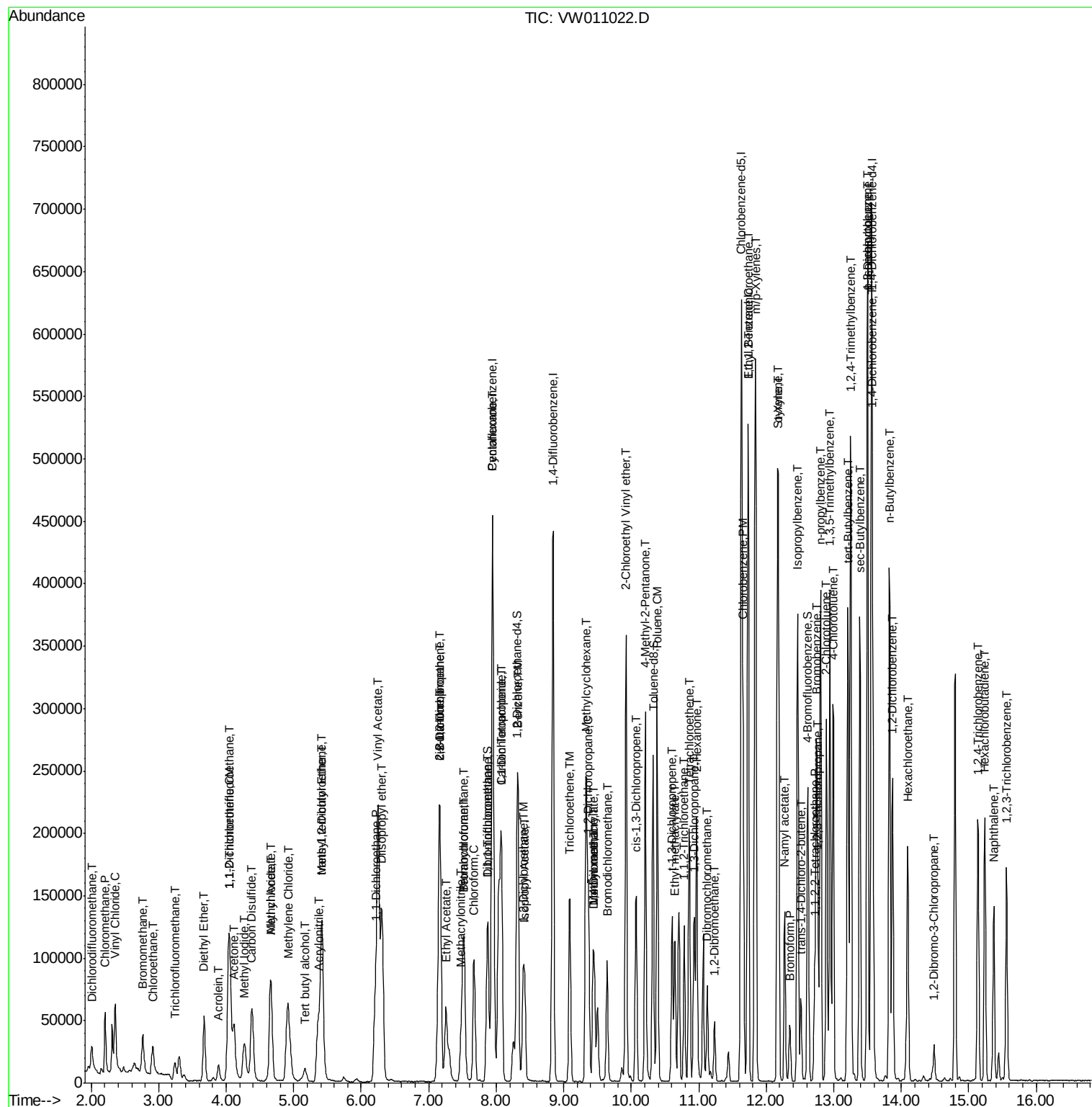
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062819\
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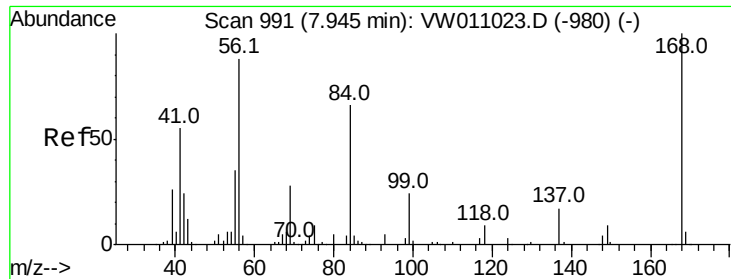
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 212881

Ion Ratio Lower Upper

168 100

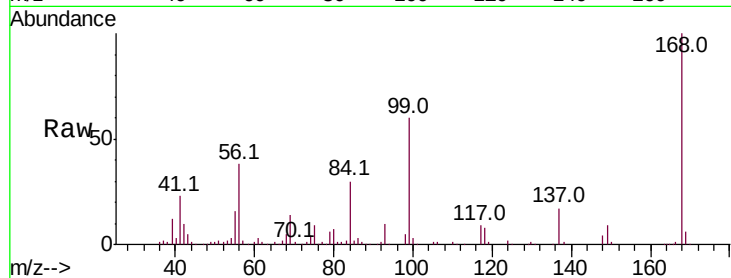
99 60.2 47.8 71.6

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

100000

80000

60000

40000

20000

0

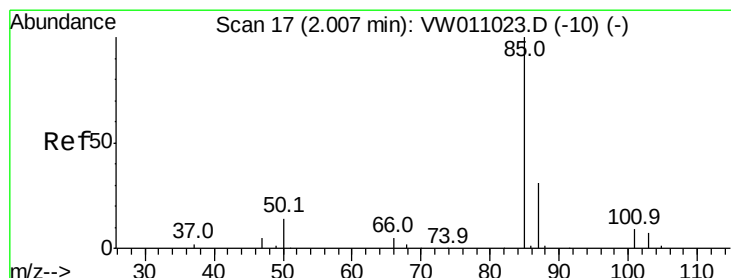
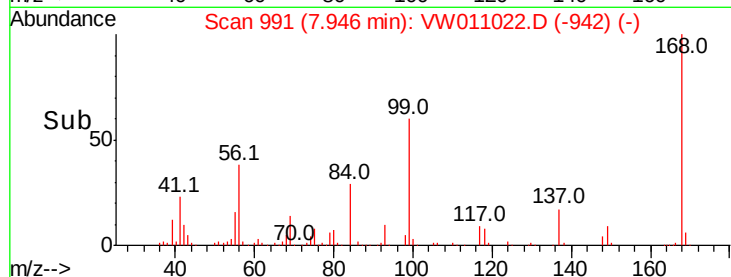
Time-->

7.80

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 17.306 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011022.D

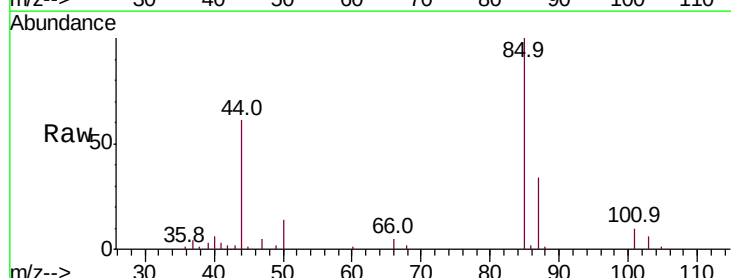
Acq: 27 Jun 2019 15:55

Tgt Ion: 85 Resp: 33447

Ion Ratio Lower Upper

85 100

87 33.7 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

4000

2000

0

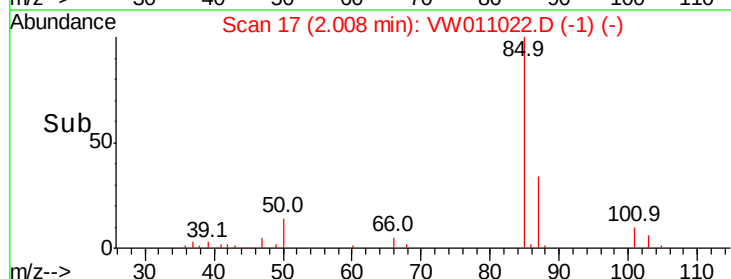
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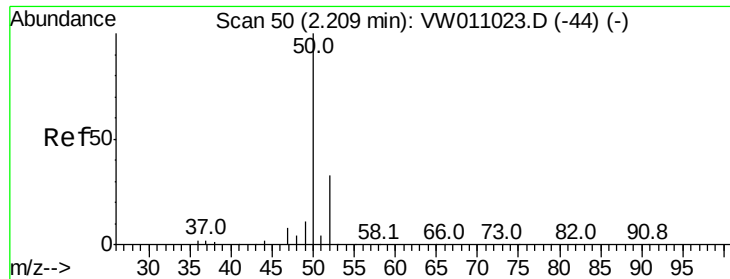
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 15.148 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 42272

Ion Ratio Lower Upper

50 100

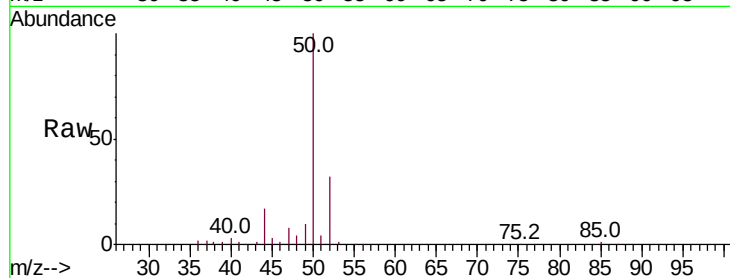
52 31.6 26.6 40.0

Manual Integrations

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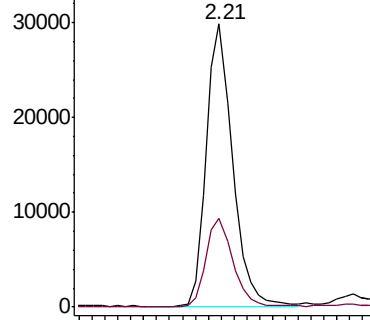
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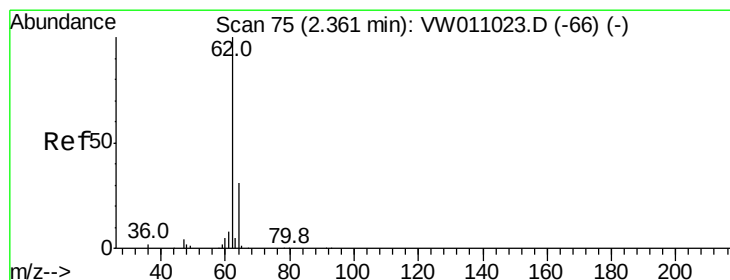
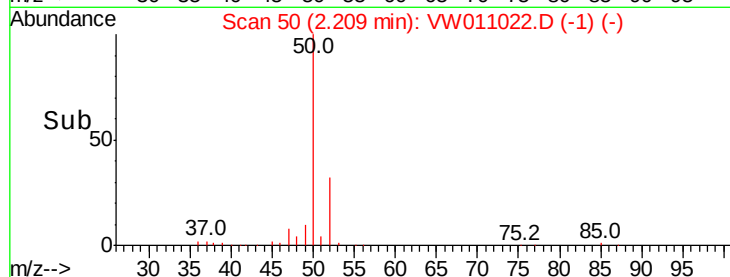


Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



Time-->



#4

Vinyl Chloride

Concen: 21.267 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011022.D

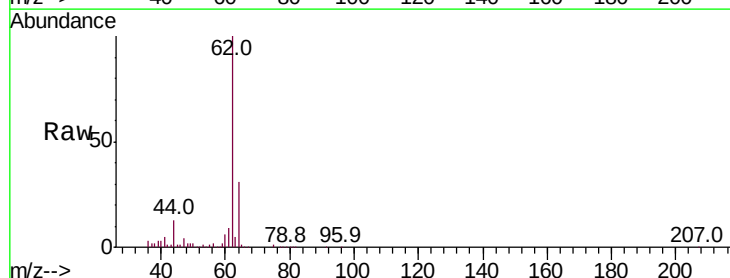
Acq: 27 Jun 2019 15:55

Tgt Ion: 62 Resp: 57700

Ion Ratio Lower Upper

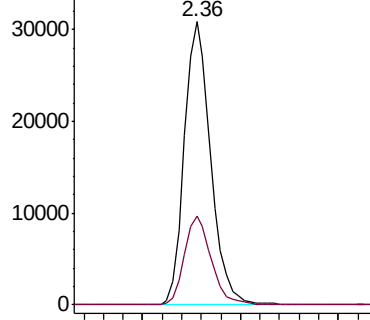
62 100

64 31.3 24.8 37.2

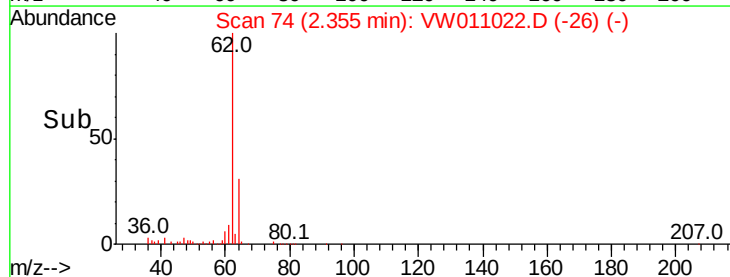


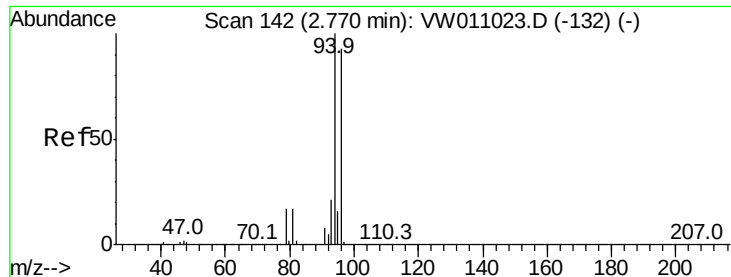
Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



Time-->





#5

Bromomethane

Concen: 18.596 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 27337

Ion Ratio Lower Upper

94 100

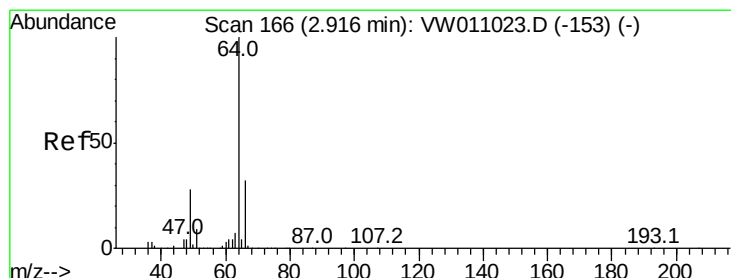
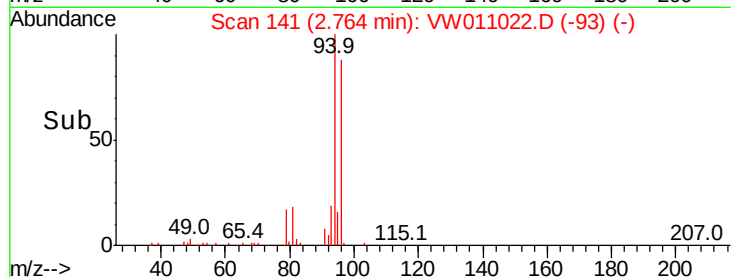
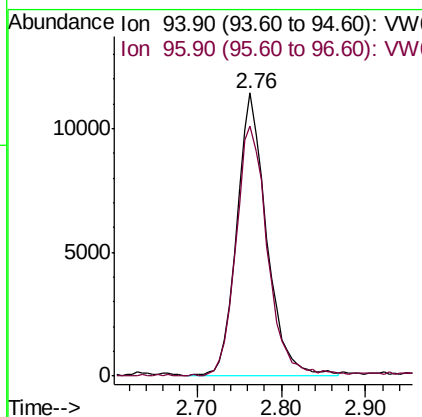
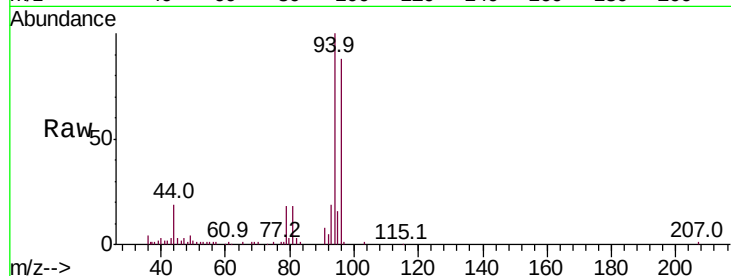
96 88.3 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 17.897 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011022.D

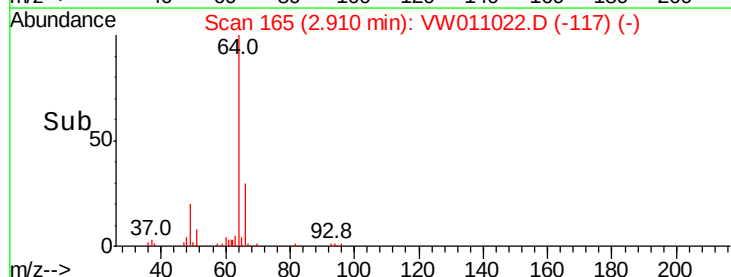
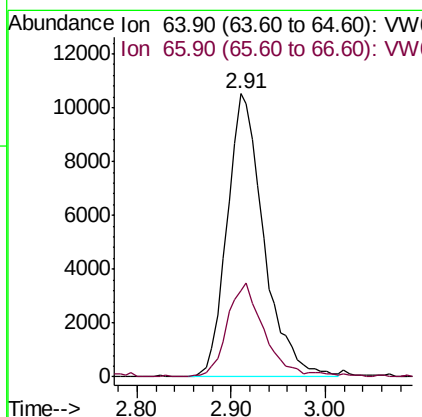
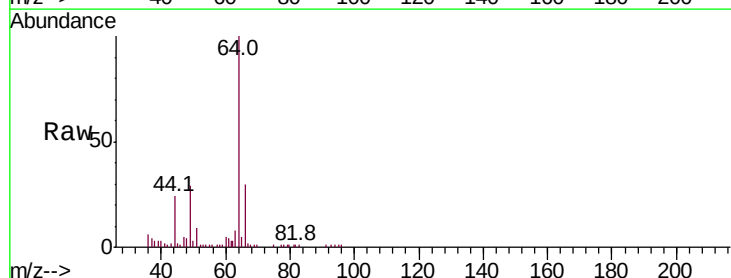
Acq: 27 Jun 2019 15:55

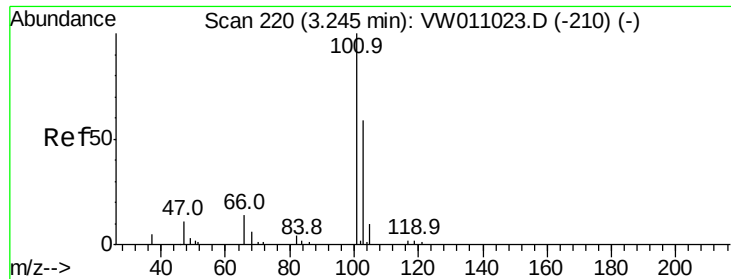
Tgt Ion: 64 Resp: 28481

Ion Ratio Lower Upper

64 100

66 30.3 25.7 38.5





#7

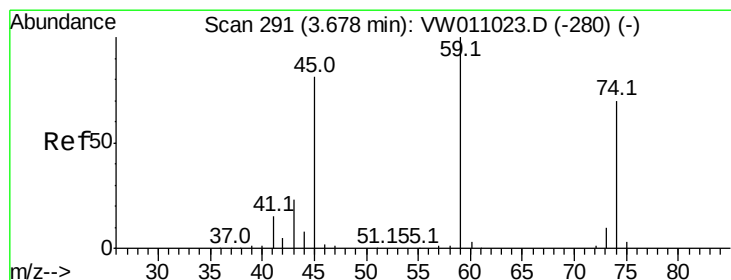
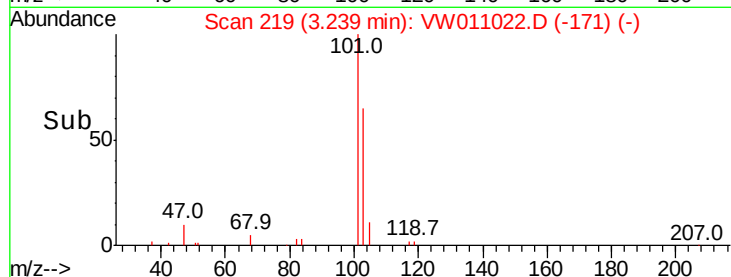
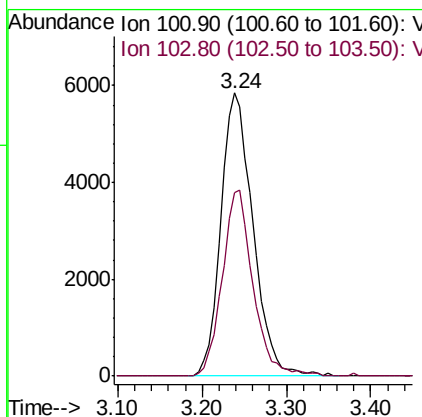
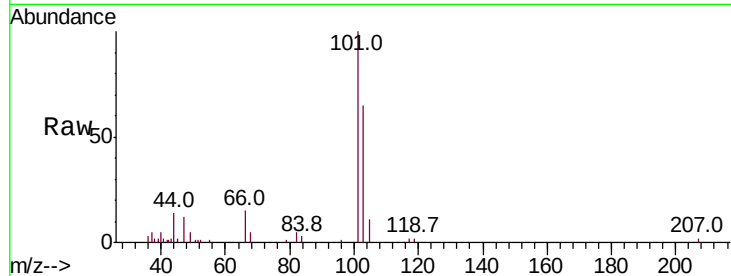
Trichlorofluoromethane
 Concen: 4.973 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
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 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	47.5	71.3

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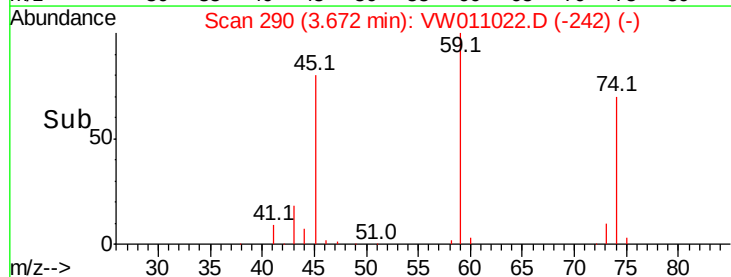
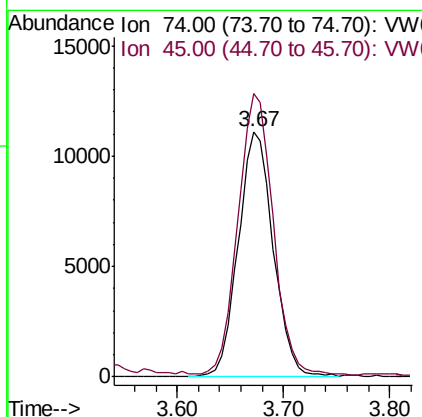
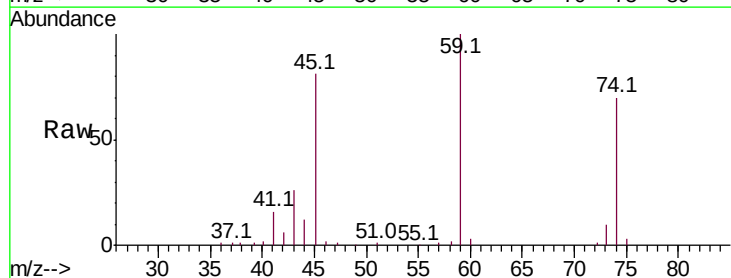
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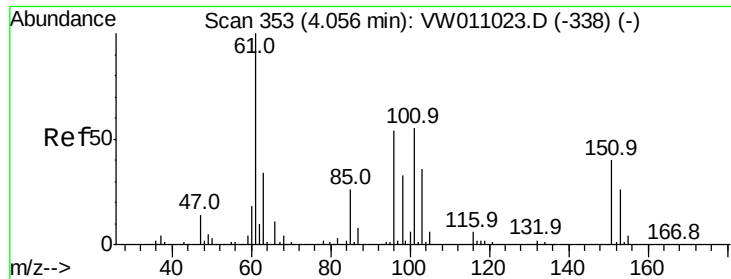


#8

Diethyl Ether
 Concen: 20.488 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.3	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.206 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

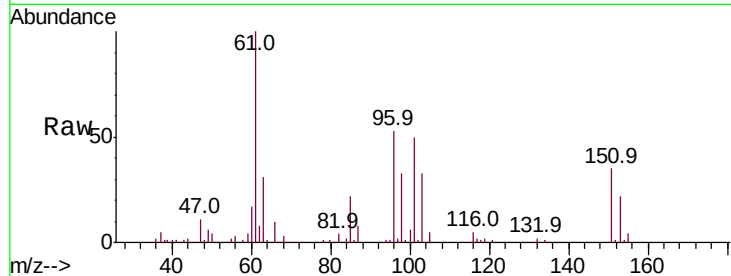
ClientSampled :

VSTDIC020

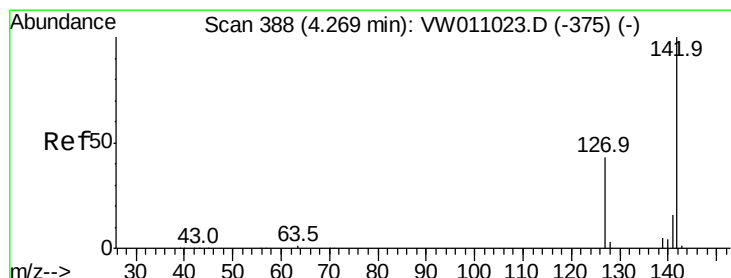
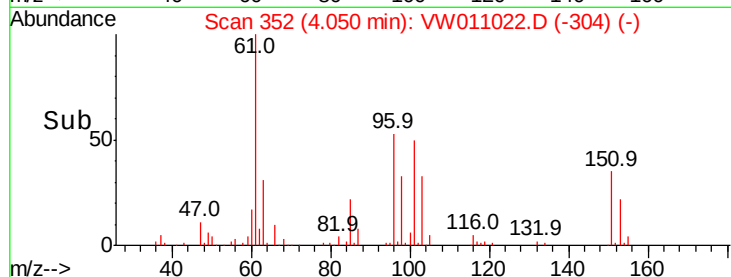
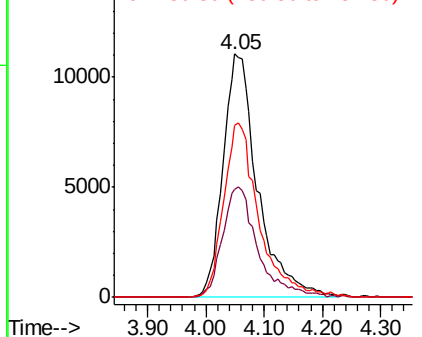
Tot Ion:	101	Resp:	45824
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.6	55.0
151	72.1	58.9	88.3

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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: 30.447 ug/l

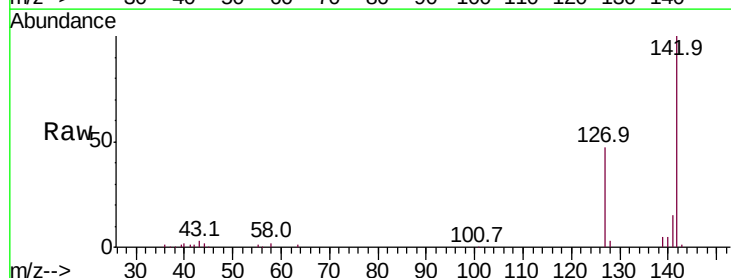
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

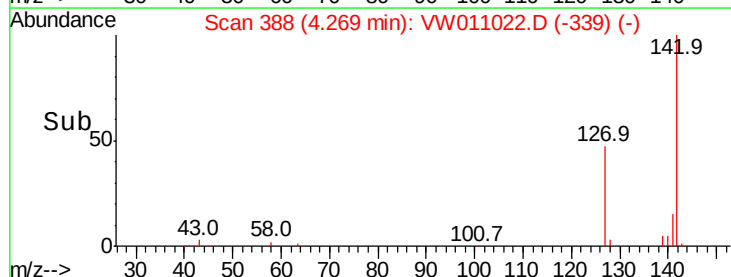
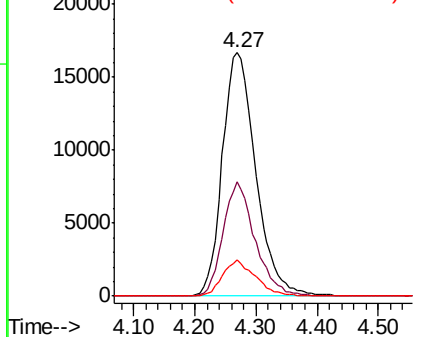
Lab File: VW011022.D

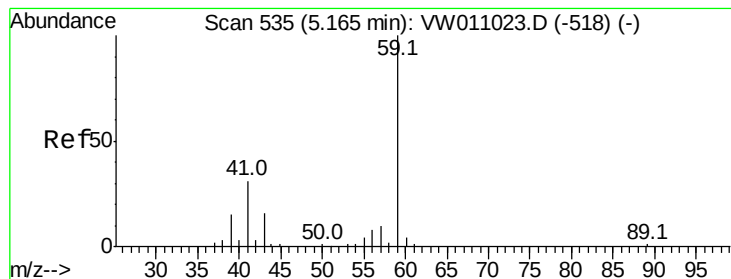
Acq: 27 Jun 2019 15:55

Tgt Ion:	142	Resp:	63113
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.8	53.8
141	14.5	12.2	18.2



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





#11

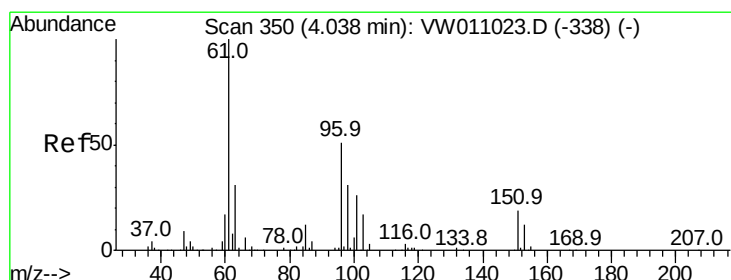
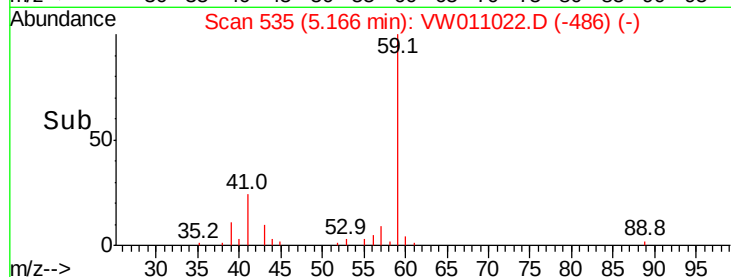
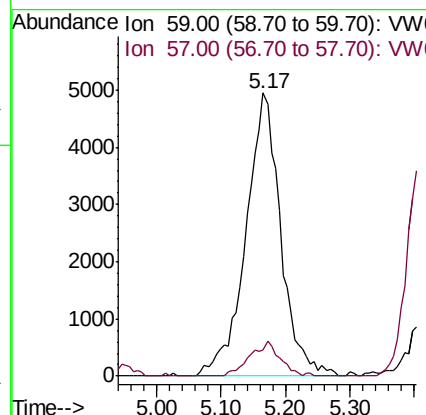
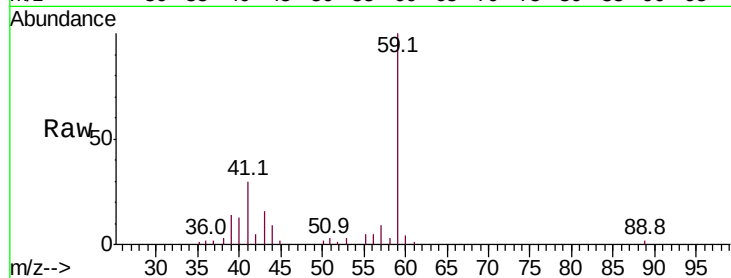
Tert butyl alcohol
Concen: 90.294 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.0	13.4

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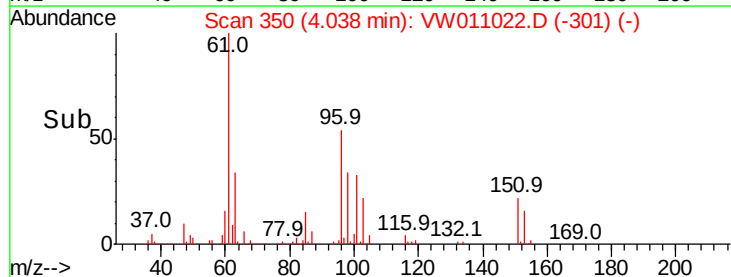
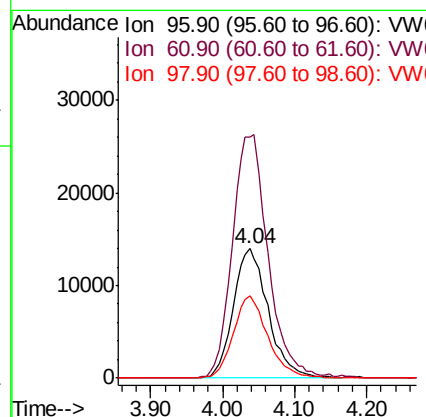
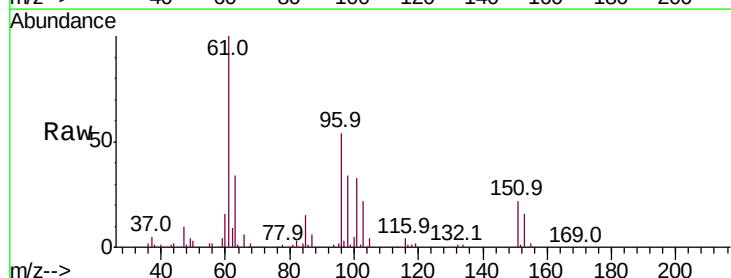
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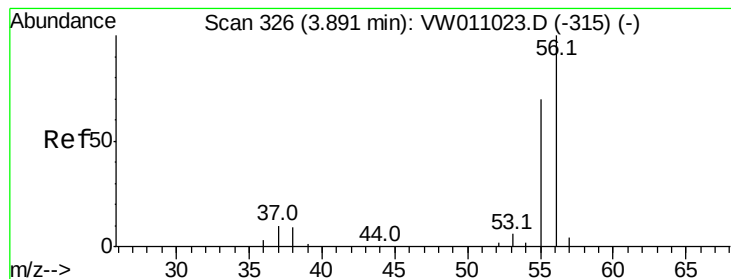


#12

1,1-Dichloroethene
Concen: 22.192 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.5	156.0	234.0
98	63.4	48.7	73.1





#13

Acrolein

Concen: 166.568 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 16284

Ion Ratio Lower Upper

56 100

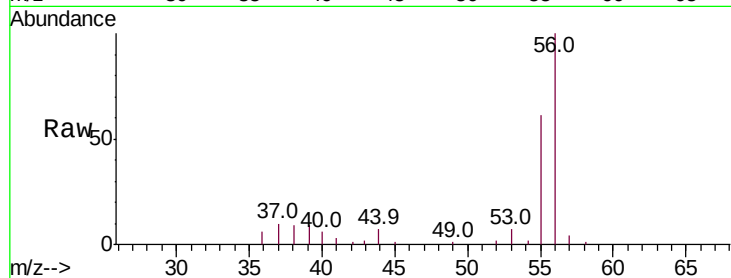
55 69.3 55.7 83.5

Manual Integrations

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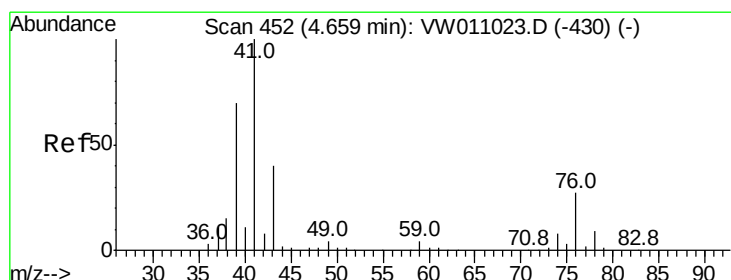
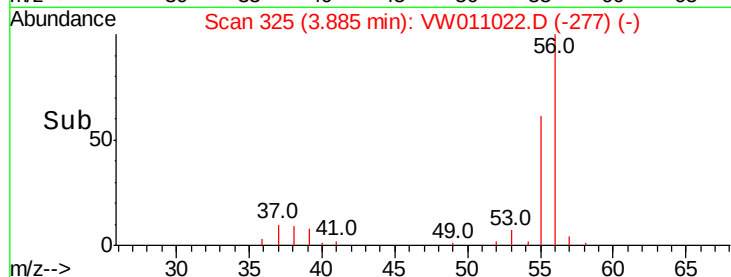
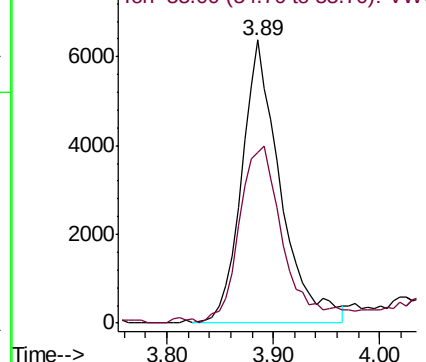
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 16.907 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

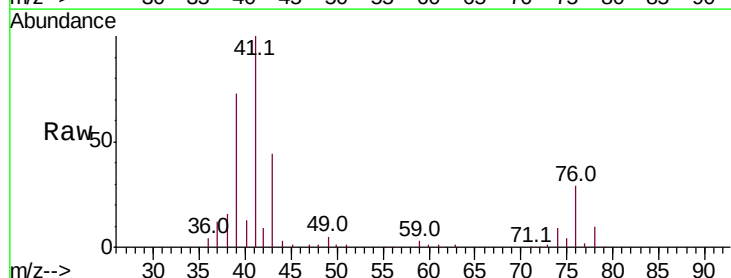
Tgt Ion: 41 Resp: 75179

Ion Ratio Lower Upper

41 100

39 72.5 55.4 83.2

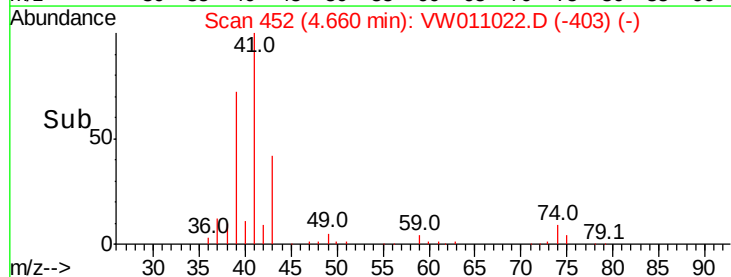
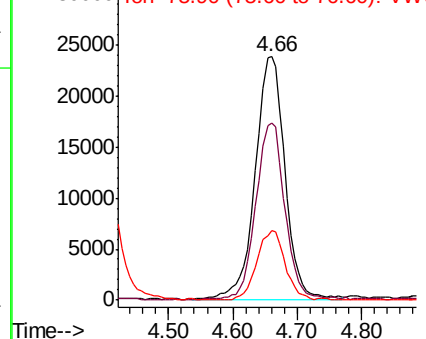
76 27.5 22.0 33.0

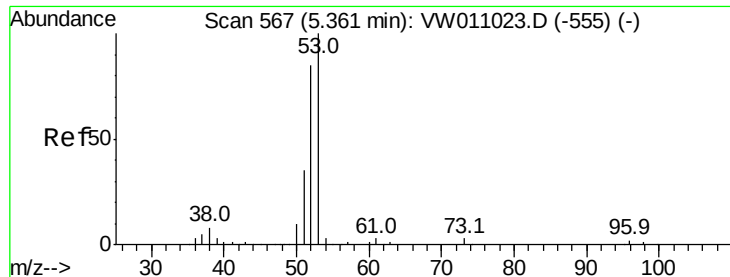


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 97.216 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

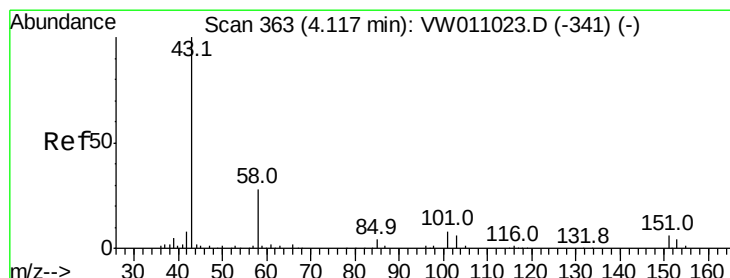
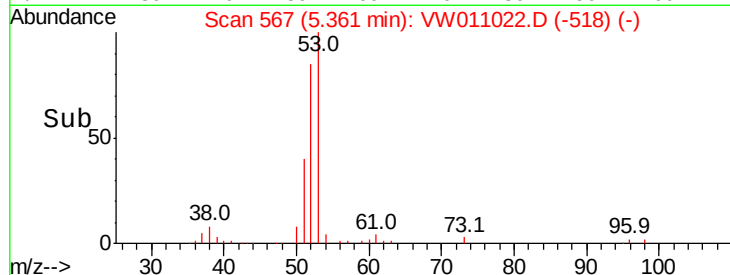
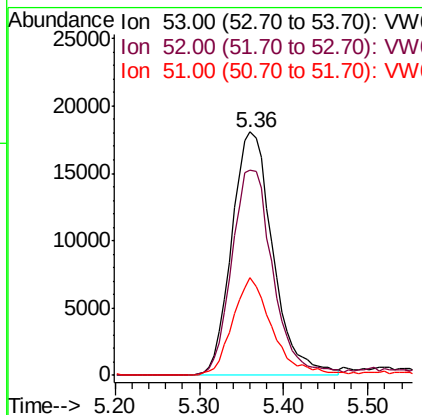
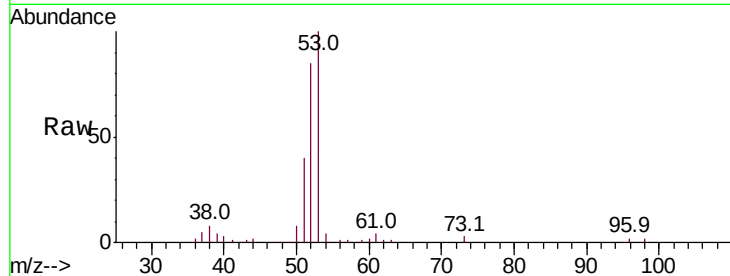
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	59849
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.3	99.5
51	38.5	29.8	44.6

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#16

Acetone

Concen: 93.225 ug/l

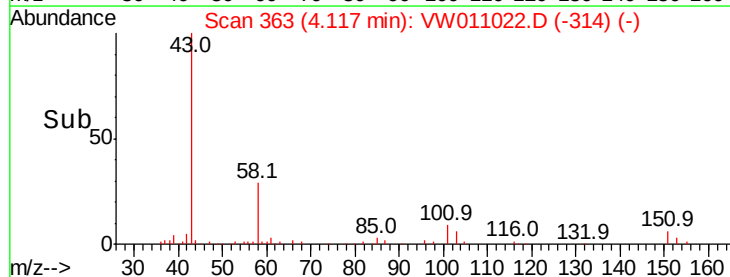
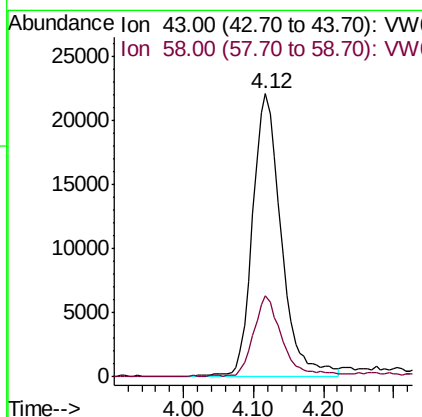
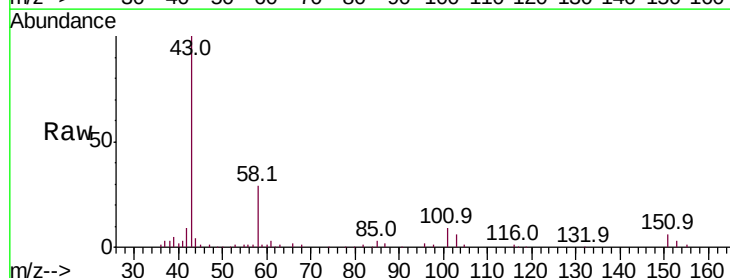
RT: 4.12 min Scan# 363

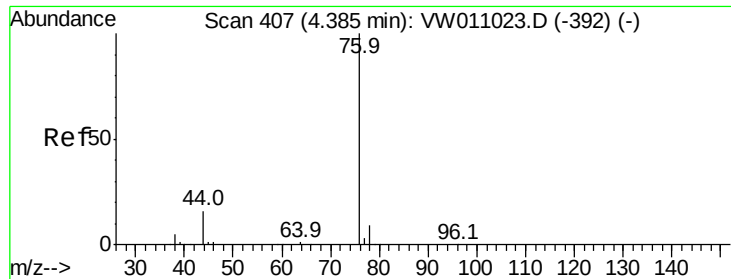
Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Tgt Ion:	43	Resp:	62803
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.5	33.7





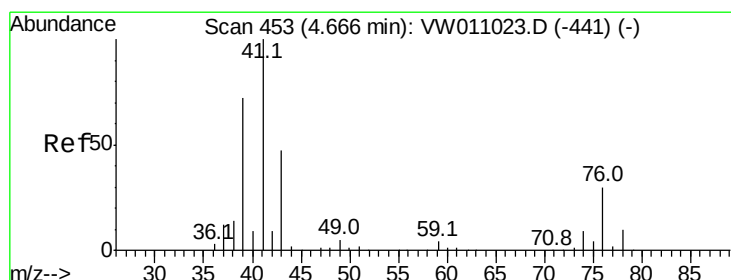
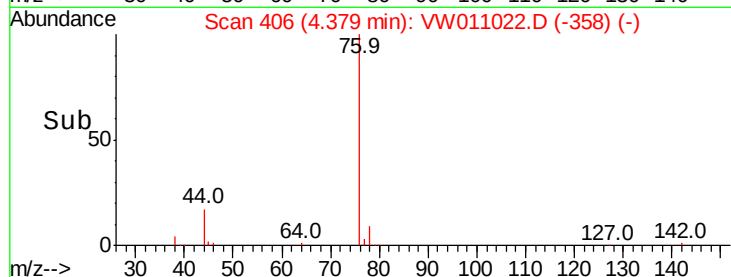
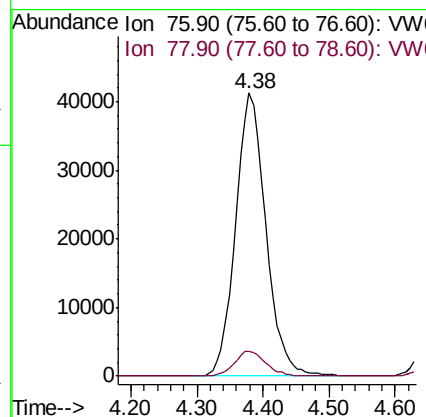
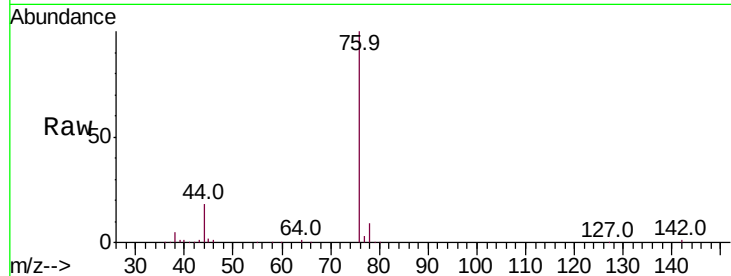
#17
Carbon Disulfide
Concen: 19.751 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

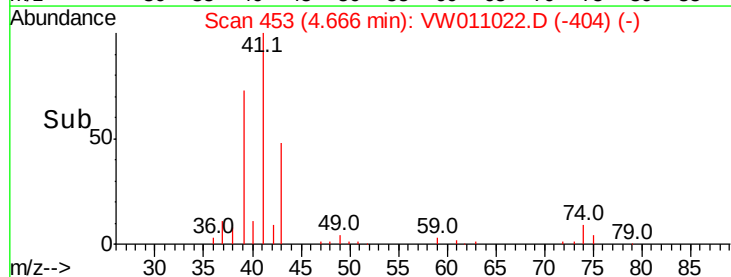
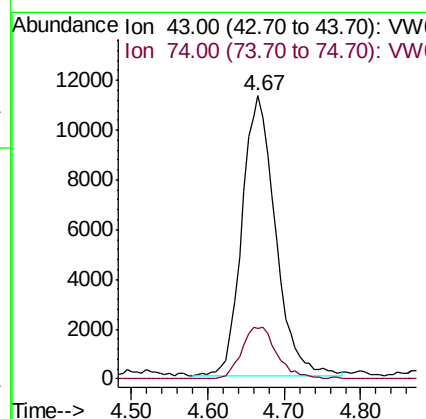
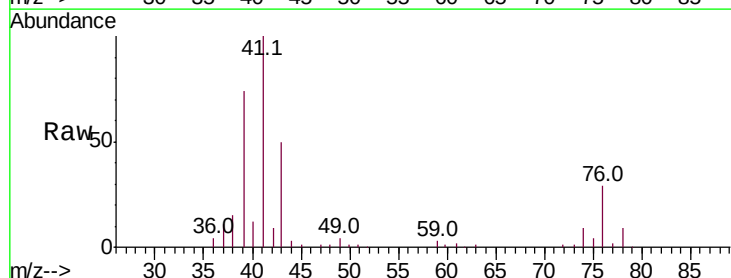
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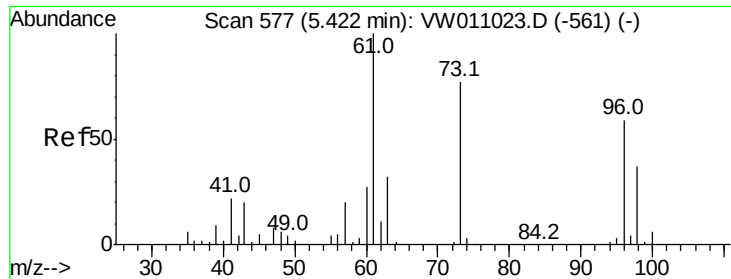
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#18
Methyl Acetate
Concen: 22.762 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.8	23.8





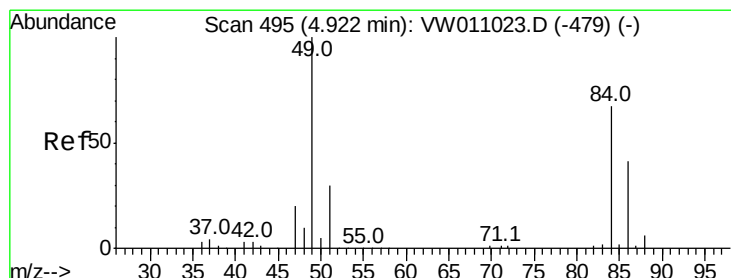
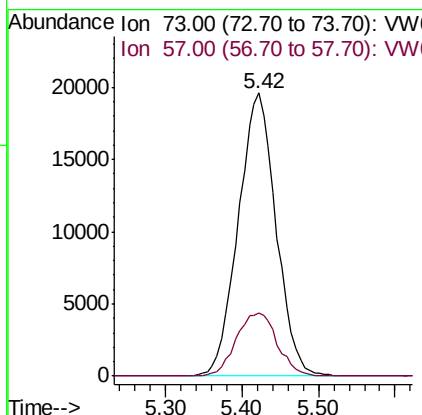
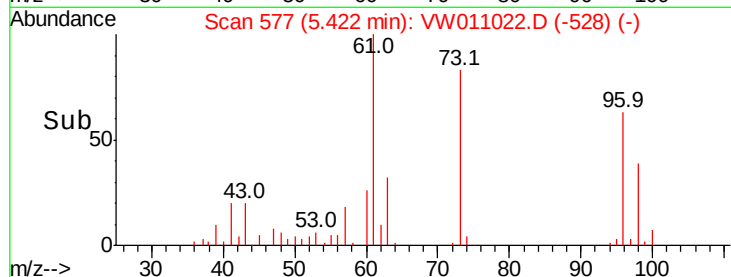
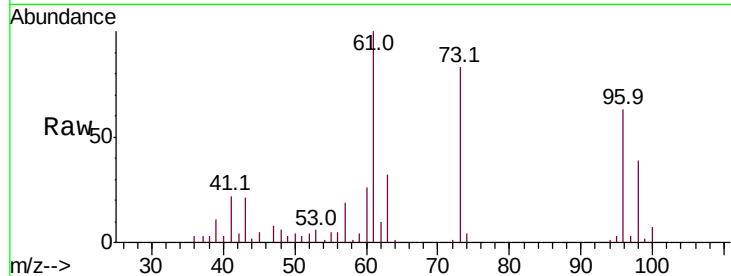
#19
Methyl tert-butyl Ether
Concen: 12.073 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 67053
Ion Ratio Lower Upper
73 100
57 22.4 20.8 31.2

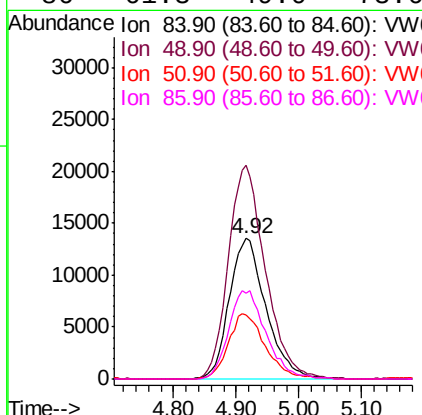
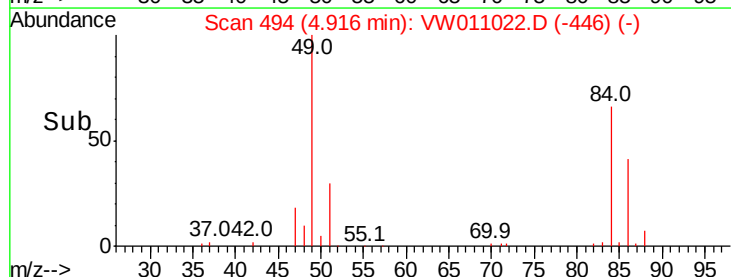
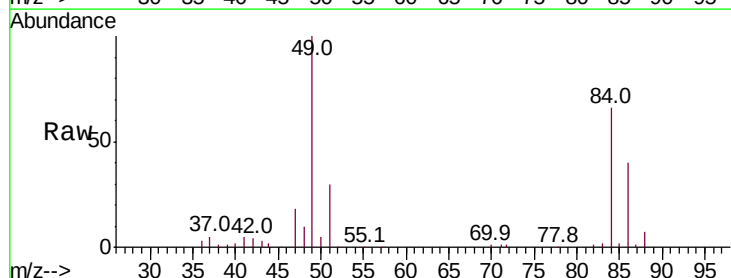
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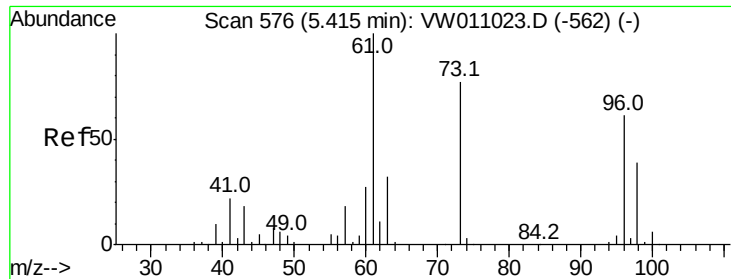
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#20
Methylene Chloride
Concen: 22.731 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion: 84 Resp: 54759
Ion Ratio Lower Upper
84 100
49 152.2 119.6 179.4
51 46.0 35.6 53.4
86 61.3 49.0 73.6





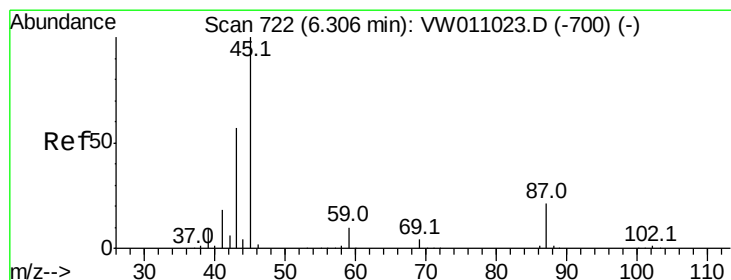
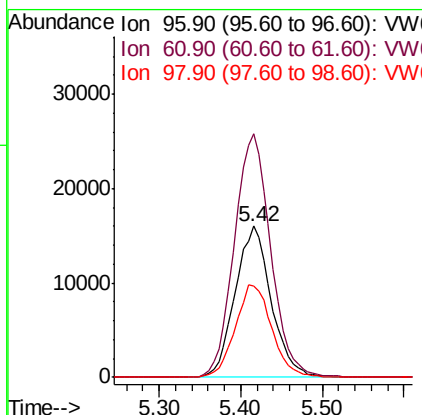
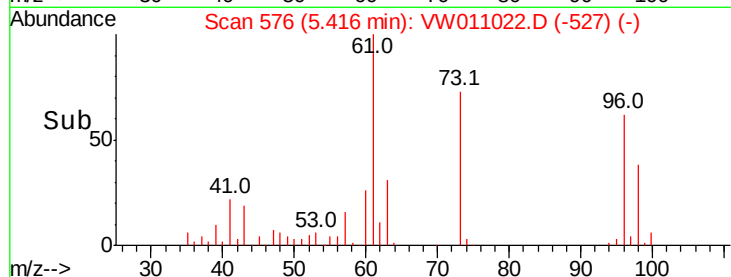
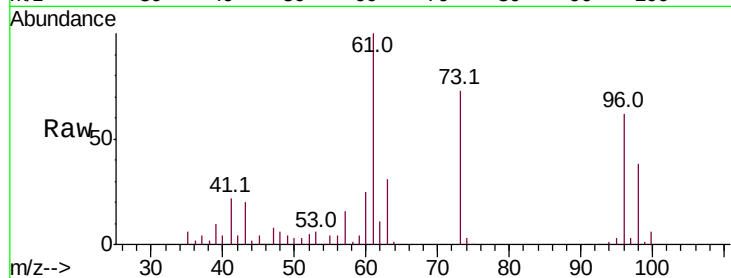
#21
trans-1,2-Dichloroethene
Concen: 20.842 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.0	131.0	196.4
98	60.4	50.8	76.2

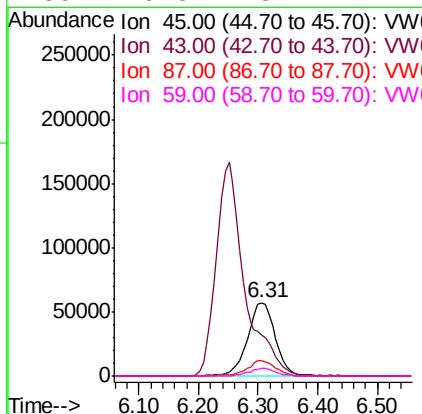
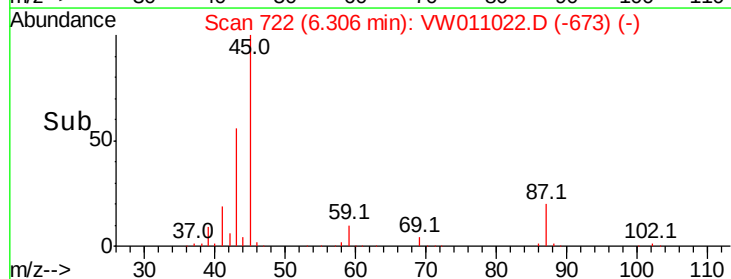
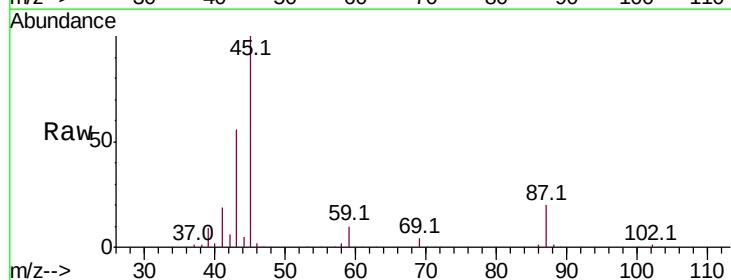
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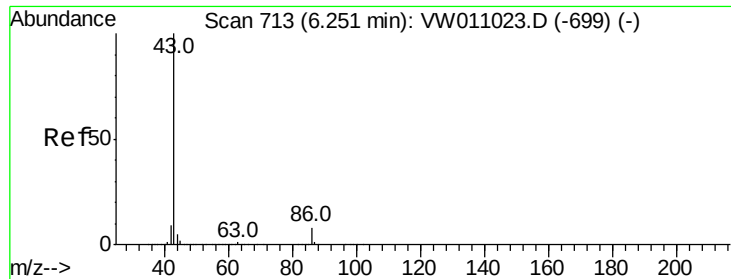
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#22
Diisopropyl ether
Concen: 20.187 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	45.8	68.6
87	20.2	17.1	25.7
59	10.3	8.2	12.4





#23

Vinyl Acetate

Concen: 98.982 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Tot Ion: 43 Resp: 550616

Ion Ratio Lower Upper

43 100

86 8.2 6.6 10.0

Instrument :

MSVOA_W

ClientSampleId :

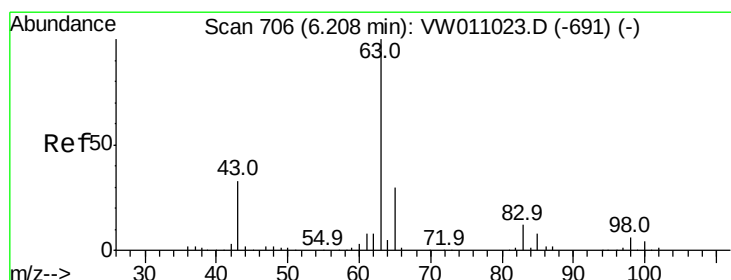
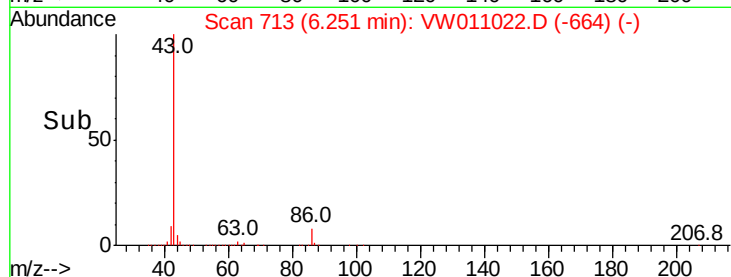
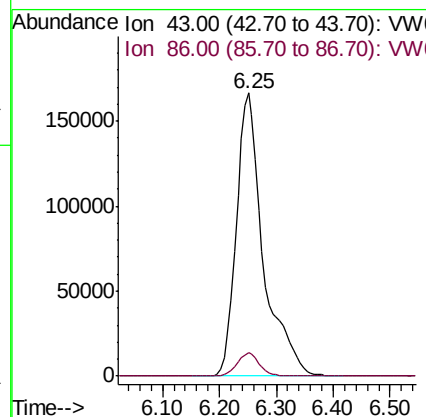
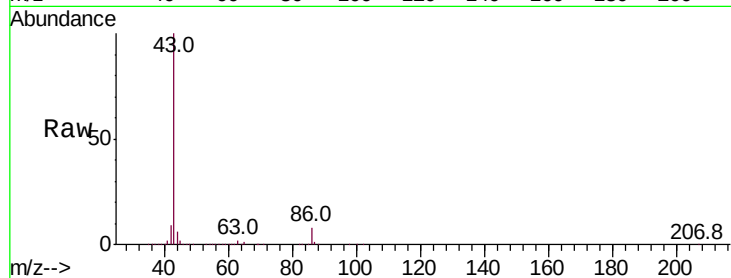
VSTDIC020

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.647 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

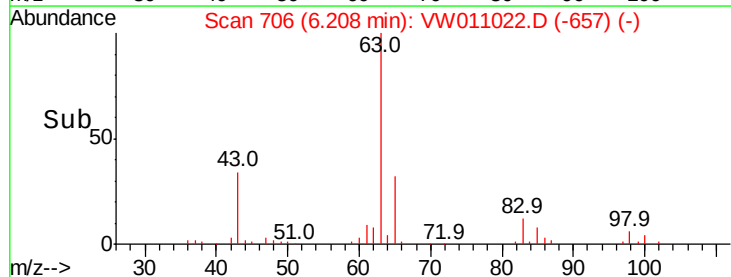
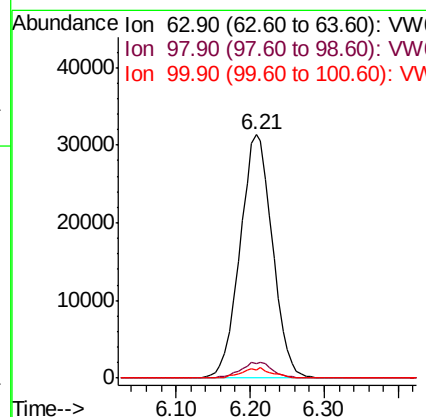
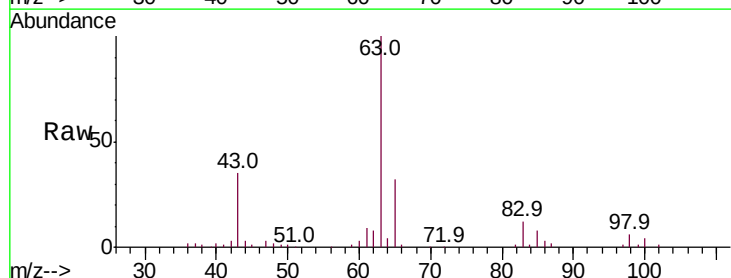
Tgt Ion: 63 Resp: 95446

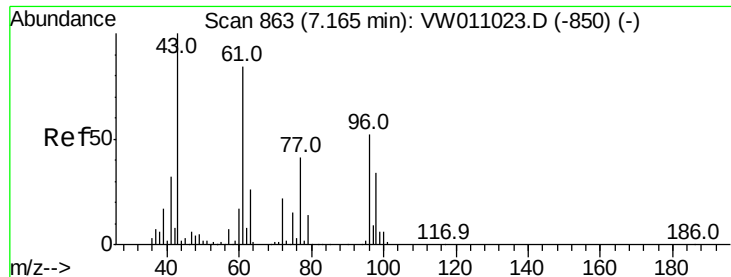
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 3.6 2.1 6.2





#25

2-Butanone

Concen: 99.942 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 94788

Ion Ratio Lower Upper

43 100

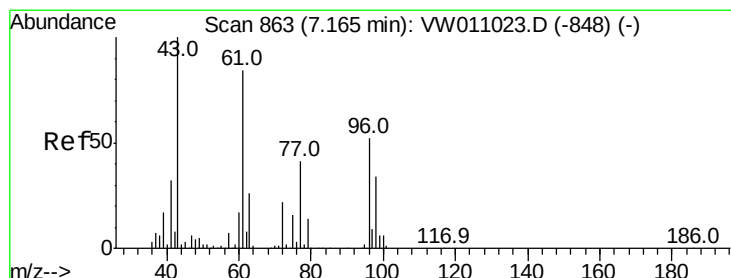
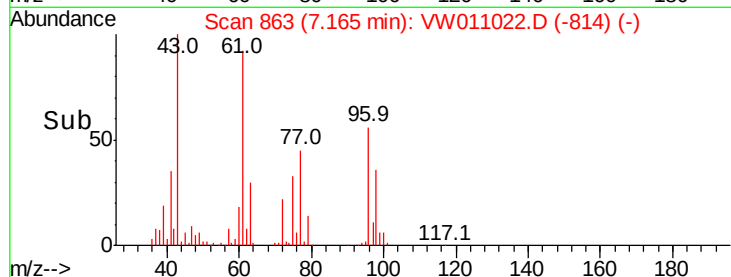
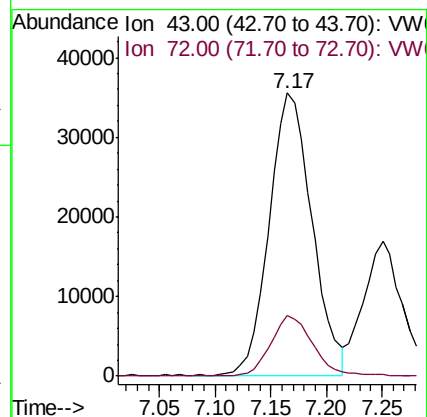
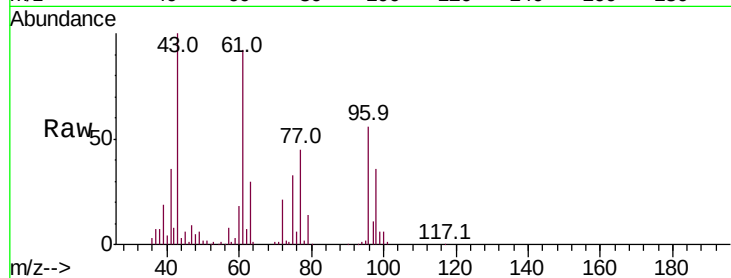
72 21.5 17.2 25.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.206 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011022.D

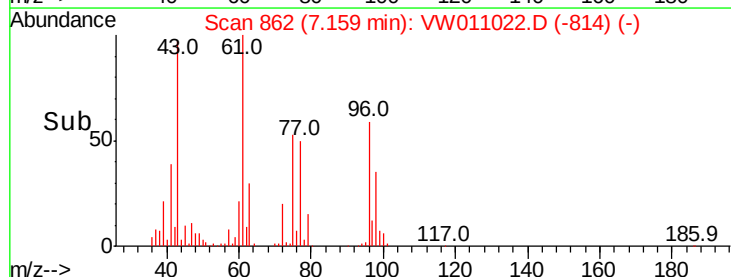
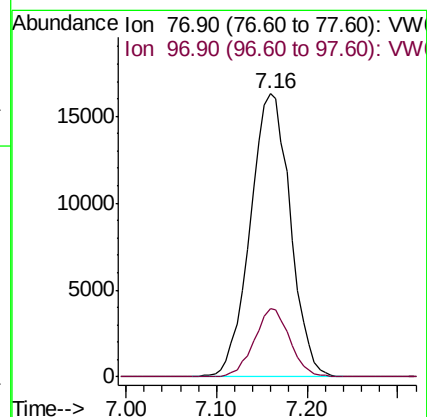
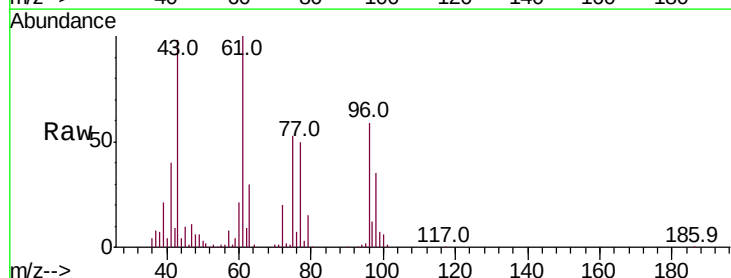
Acq: 27 Jun 2019 15:55

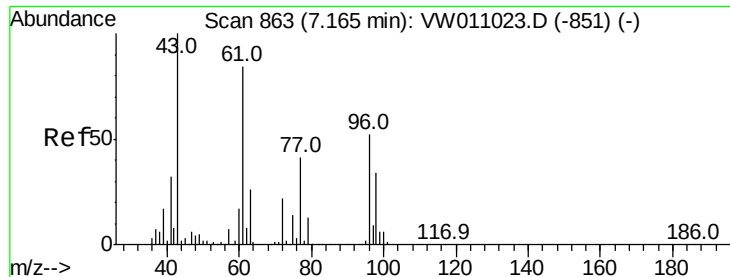
Tgt Ion: 77 Resp: 49818

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.7





#27

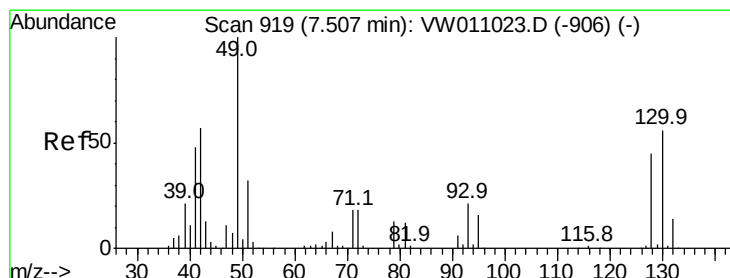
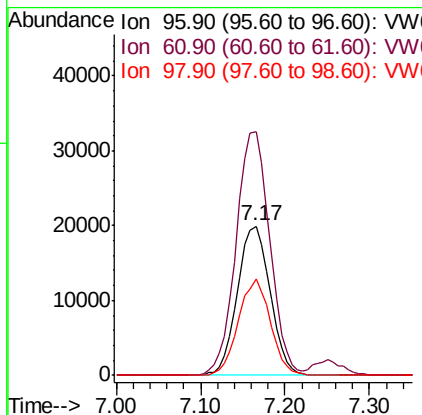
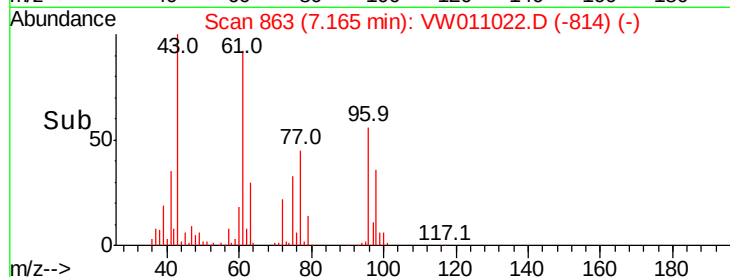
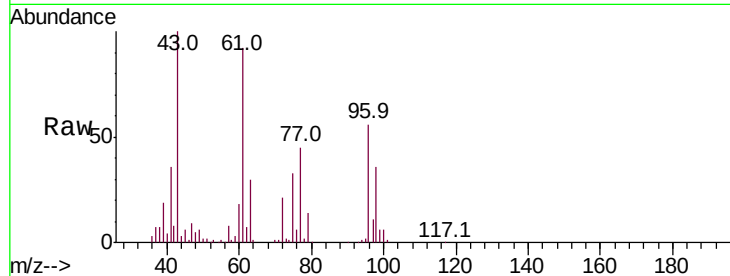
cis-1,2-Dichloroethene
Concen: 20.274 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.8	0.0	330.4
98	62.8	0.0	129.4

Manual Integrations
APPROVED

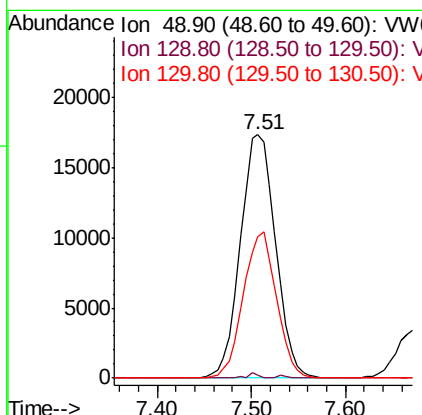
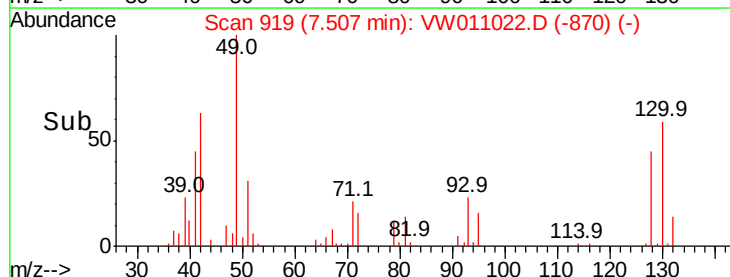
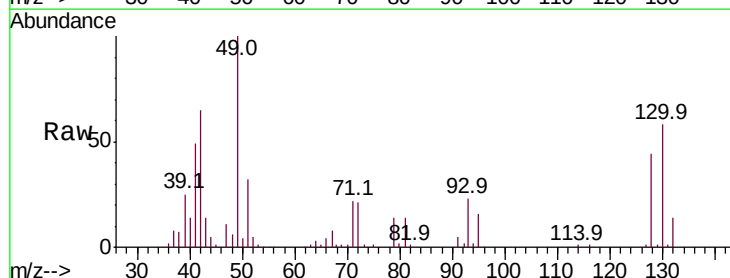
MMDadoda
6/28/2019 10:24:59 AM

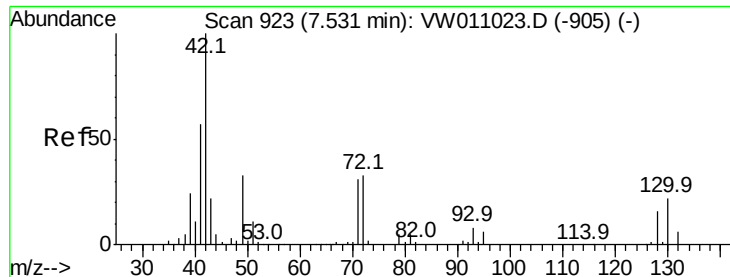


#28

Bromochloromethane
Concen: 21.480 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	56.8	46.1	69.1





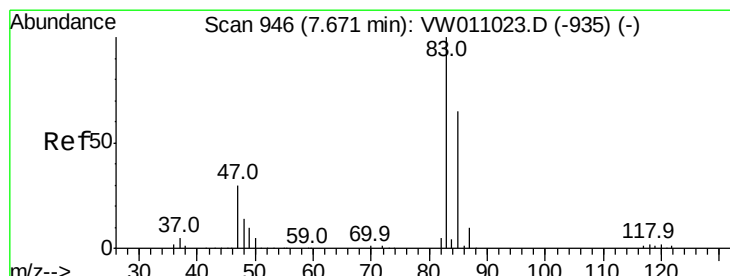
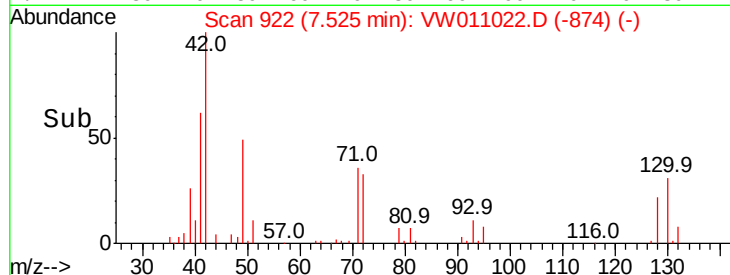
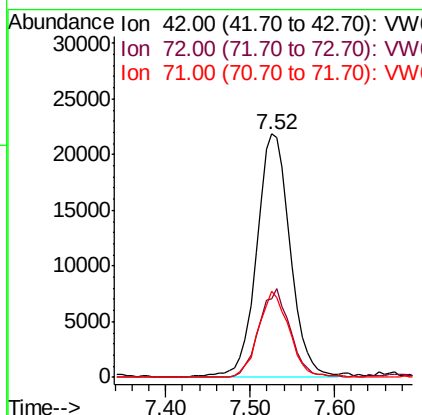
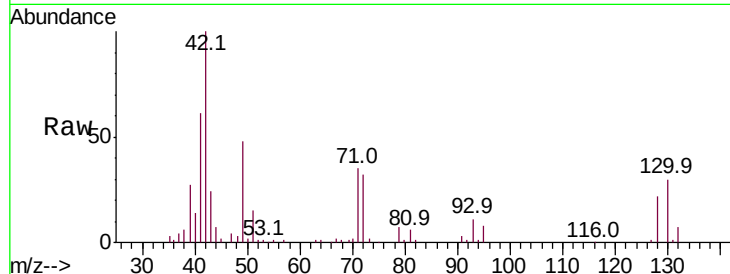
#29
Tetrahydrofuran
Concen: 98.784 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	59362
Ion Ratio	Lower	Upper	
42	100		
72	34.6	27.4	41.0
71	33.1	25.6	38.4

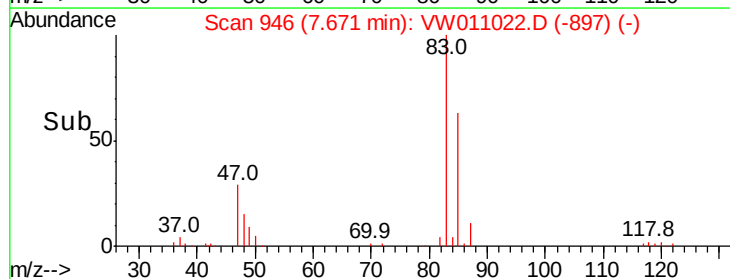
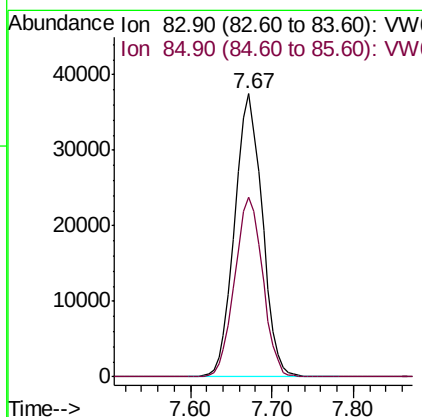
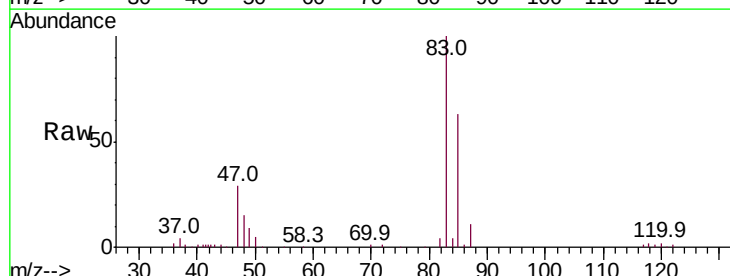
Manual Integrations
APPROVED

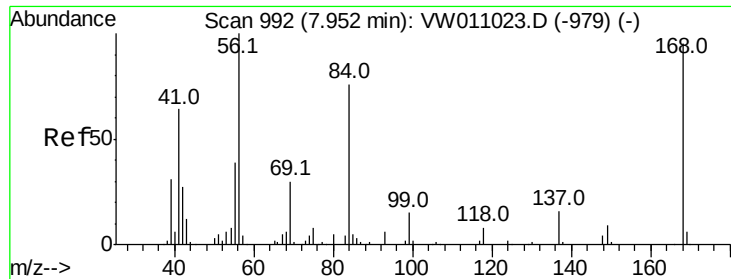
MMDadoda
6/28/2019 10:24:59 AM



#30
Chloroform
Concen: 20.761 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion:	83	Resp:	87733
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.2	78.4





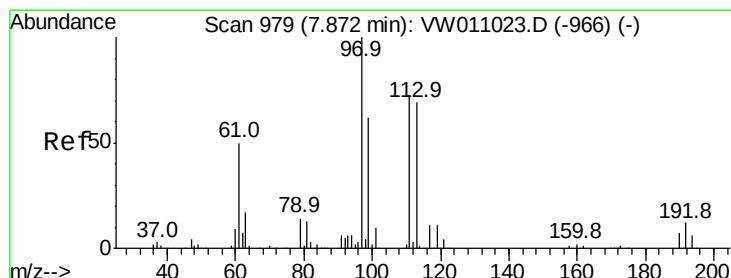
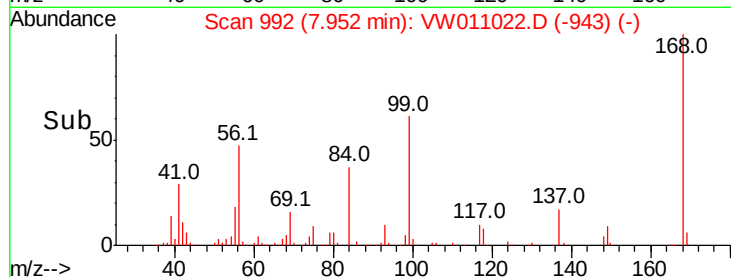
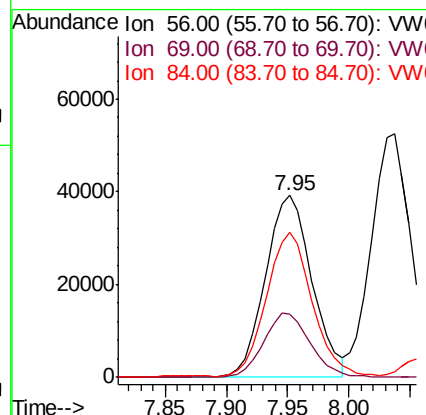
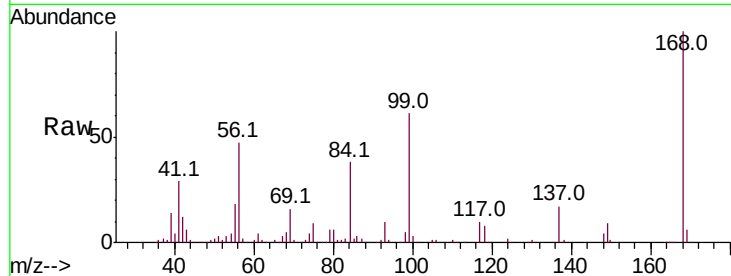
#31
Cyclohexane
Concen: 20.330 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	24.2	36.2
84	78.9	60.6	90.8

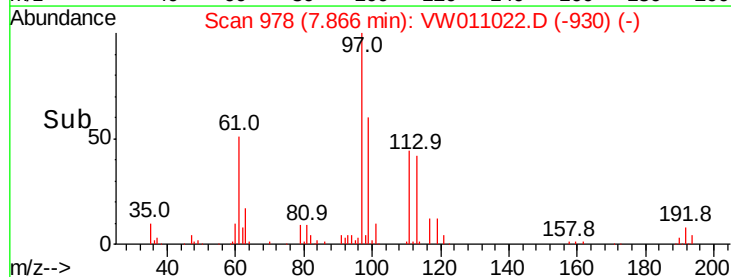
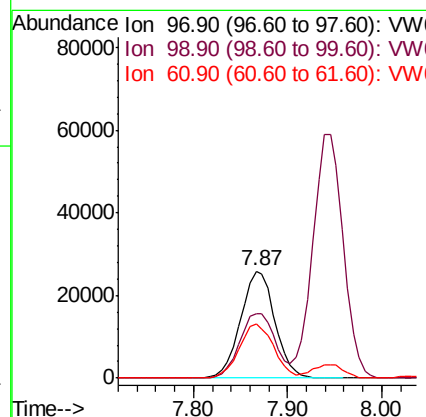
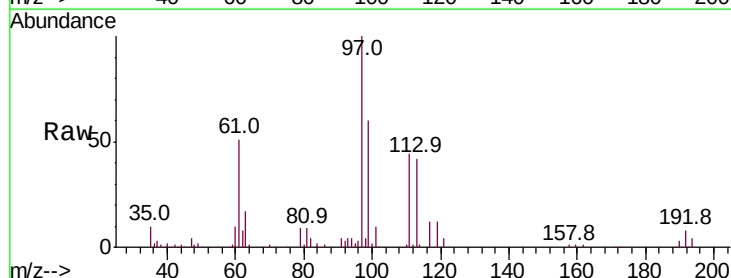
Manual Integrations
APPROVED

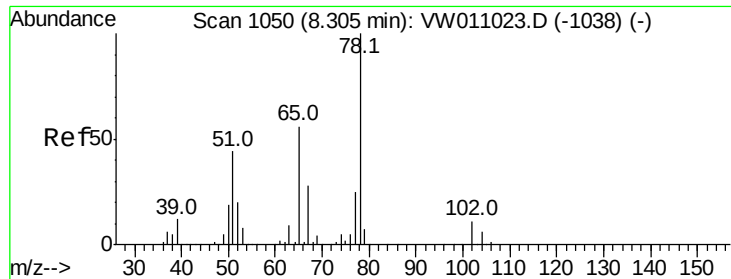
MMDadoda
6/28/2019 10:24:59 AM



#32
1,1,1-Trichloroethane
Concen: 18.235 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.1	76.7
61	51.2	41.4	62.2





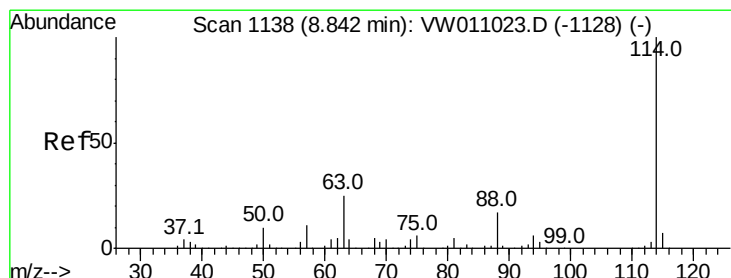
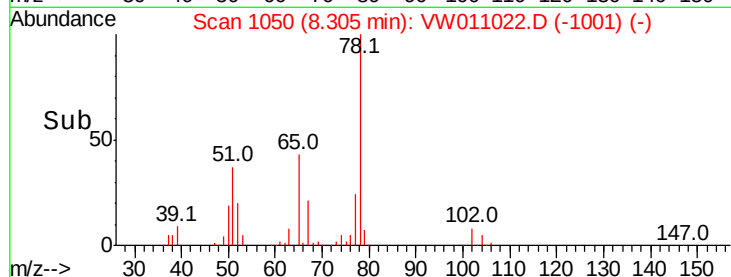
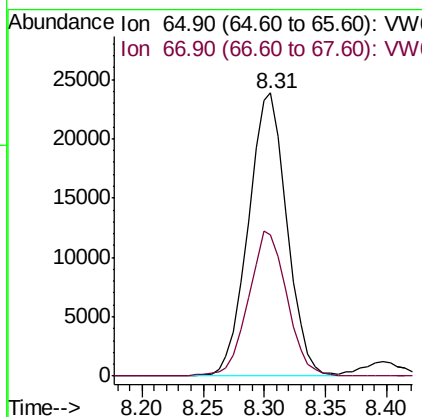
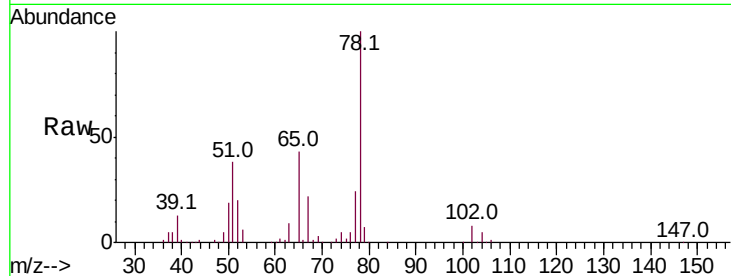
#33
 1,2-Dichloroethane-d4
 Concen: 19.940 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.4

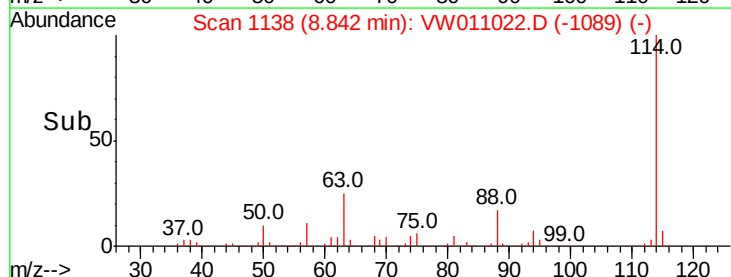
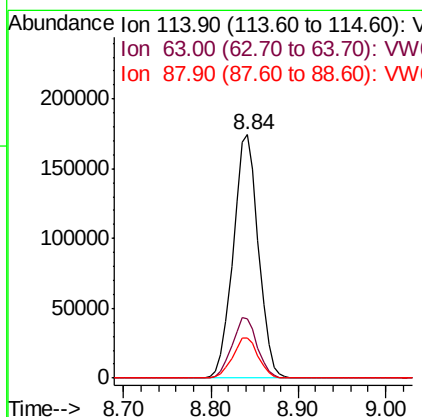
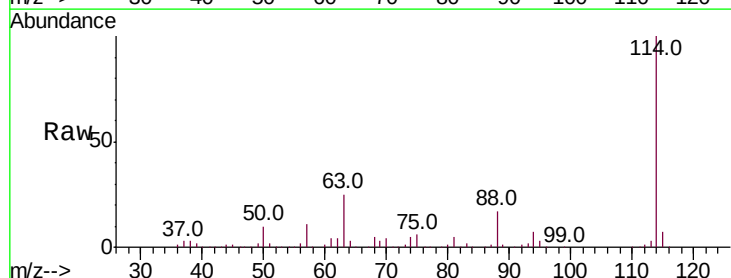
Manual Integrations
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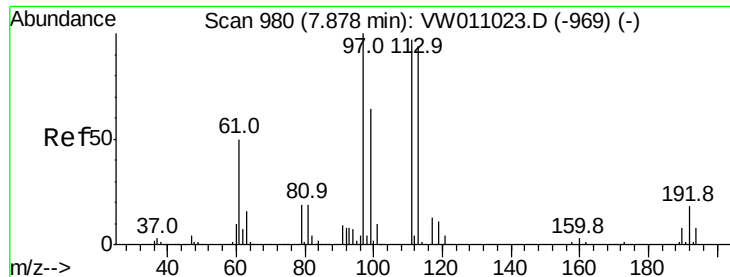
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 6/28/2019 10:24:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	50.6
88	16.6	0.0	34.0





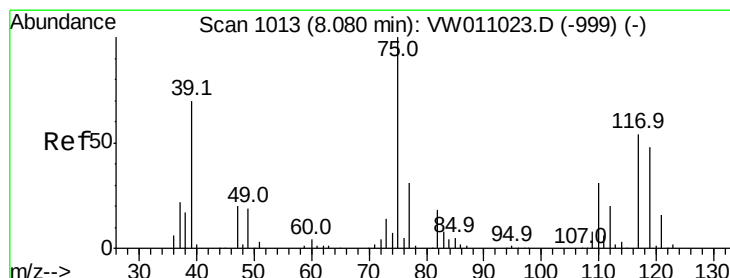
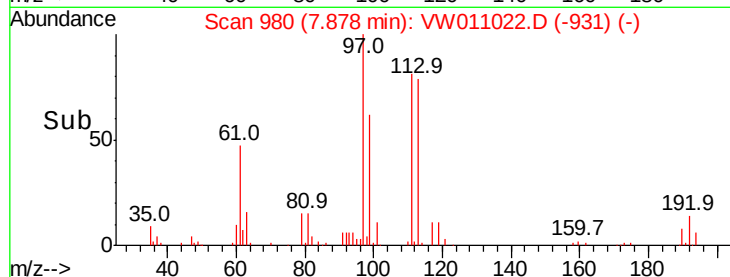
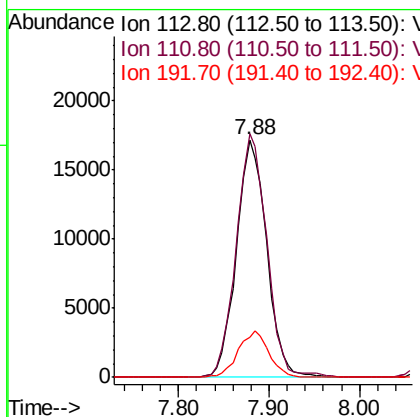
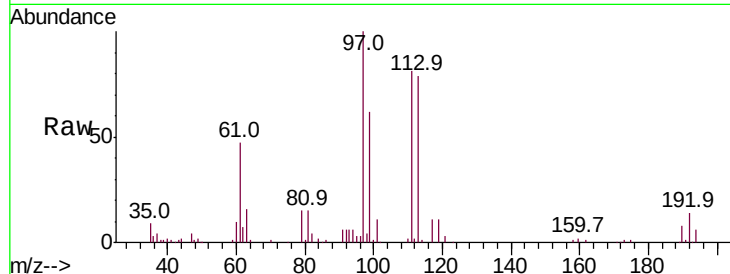
#35
 Dibromofluoromethane
 Concen: 20.193 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	39742		
111	103.6	83.8	125.6	
192	19.6	16.0	24.0	

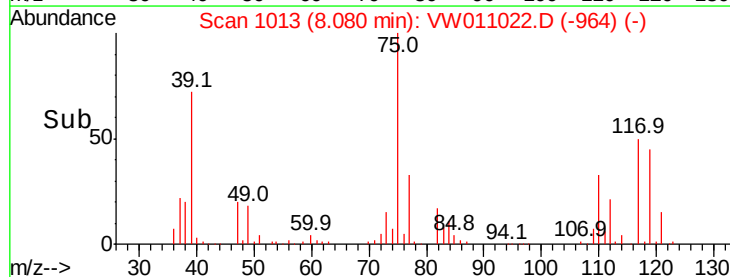
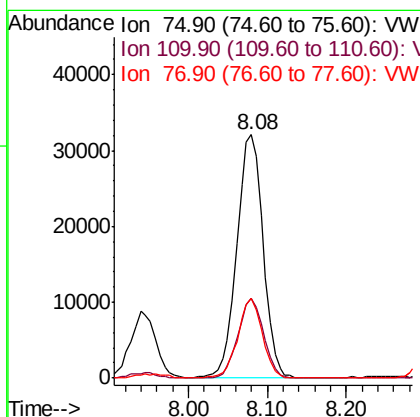
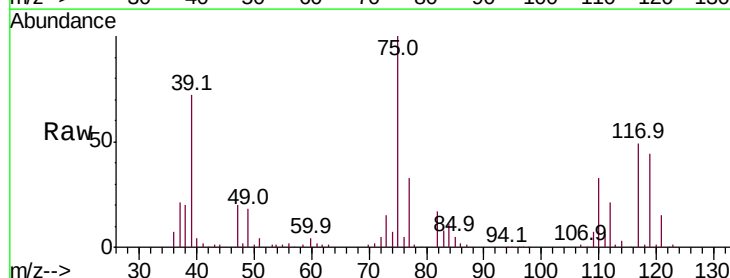
Manual Integrations
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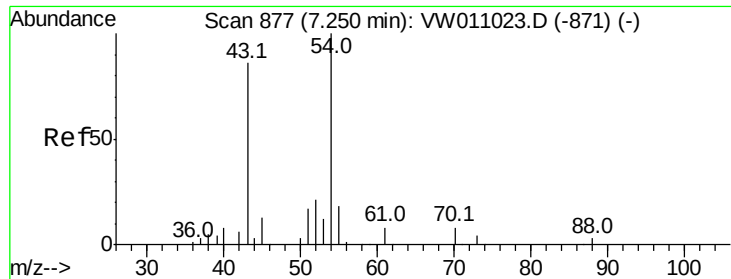
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#36
 1,1-Dichloropropene
 Concen: 20.692 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74598		
110	31.8	15.5	46.5	
77	30.9	24.9	37.3	





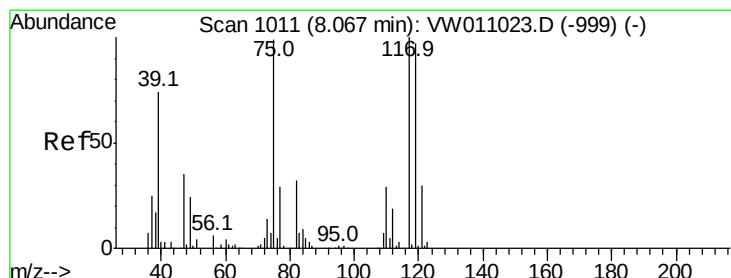
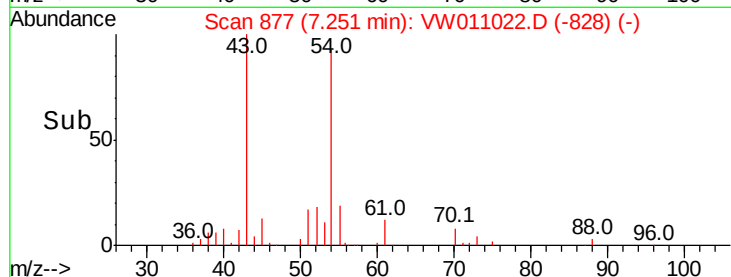
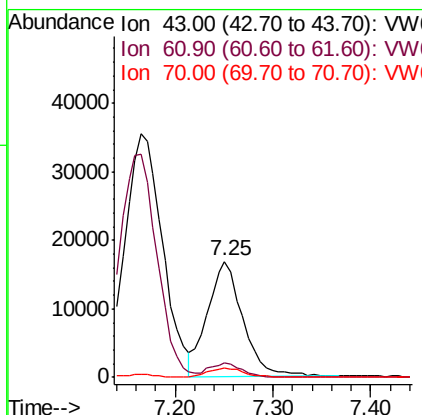
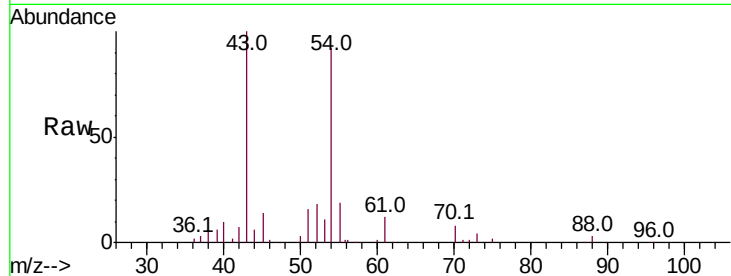
#37
Ethyl Acetate
Concen: 20.738 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.0	13.4
70	8.4	7.2	10.8

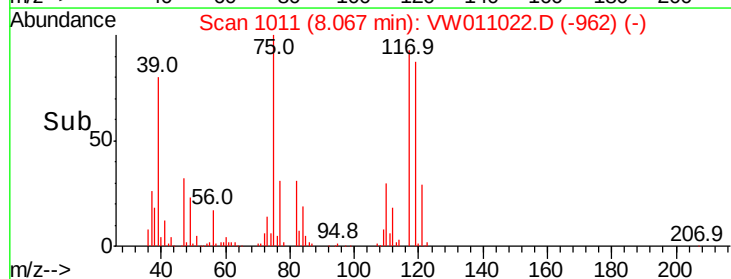
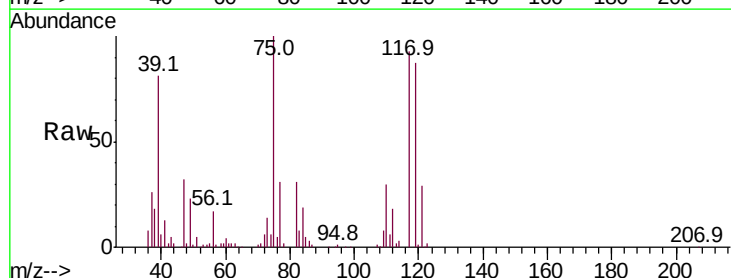
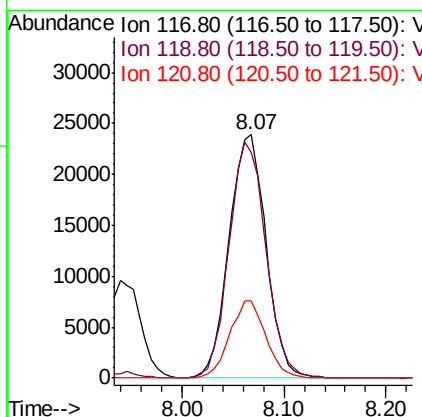
Manual Integrations
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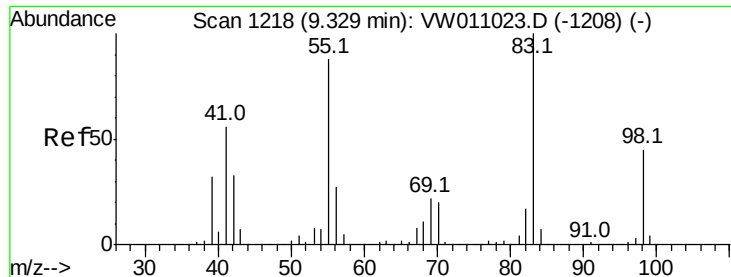
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#38
Carbon Tetrachloride
Concen: 19.507 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.7	116.5
121	31.5	23.9	35.9





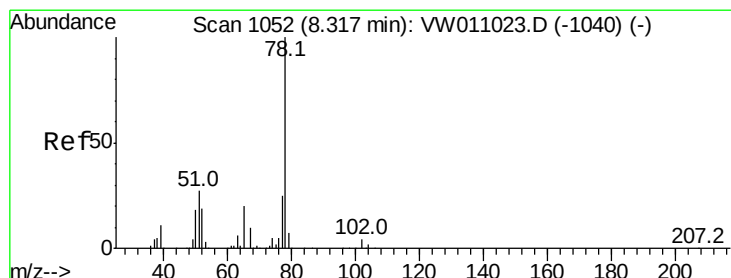
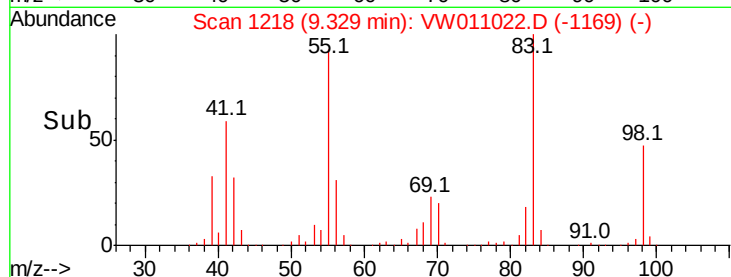
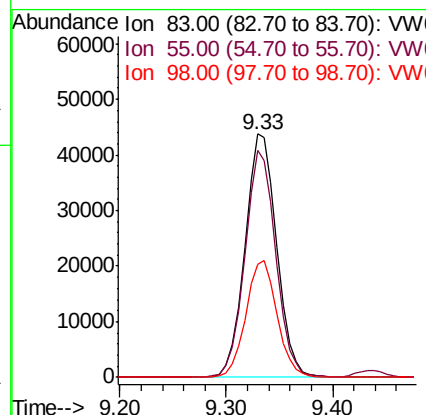
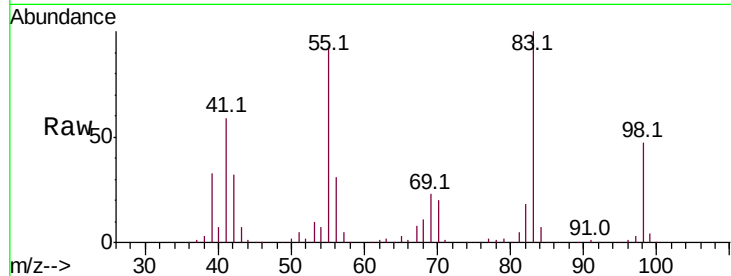
#39
Methylvlcyclohexane
Concen: 20.085 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.1	70.7	106.1
98	46.5	36.4	54.6

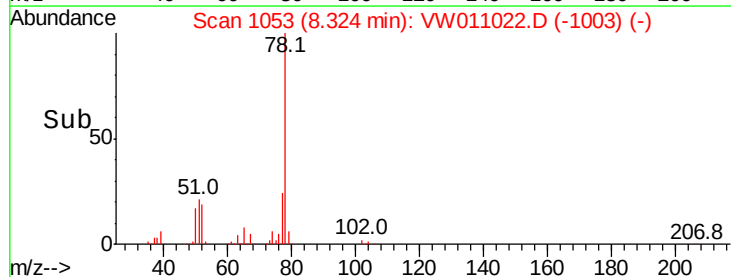
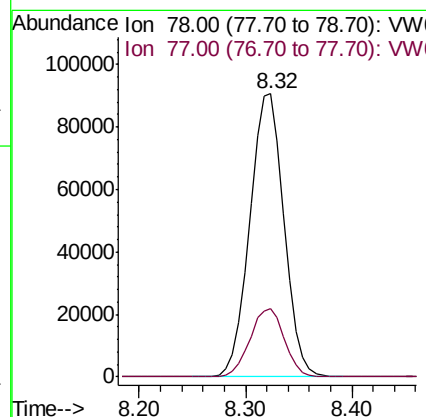
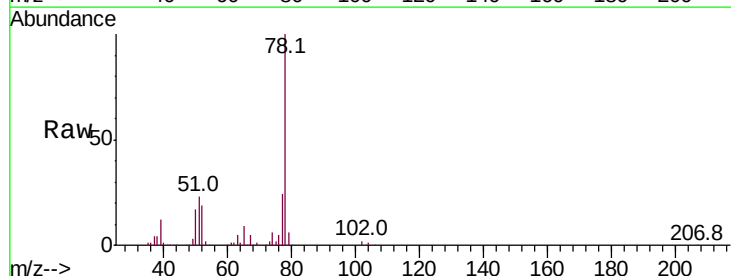
Manual Integrations
APPROVED

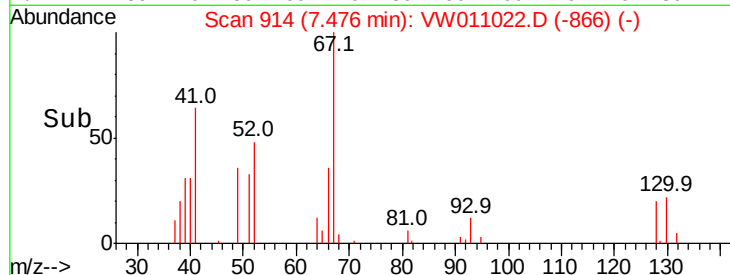
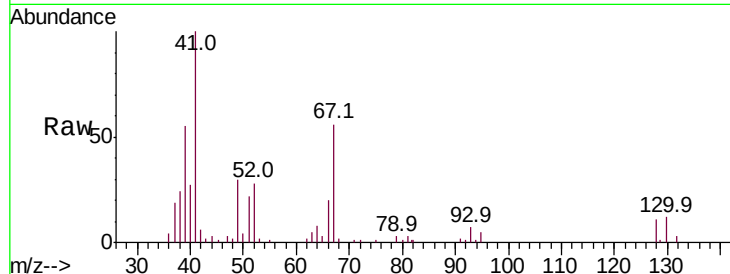
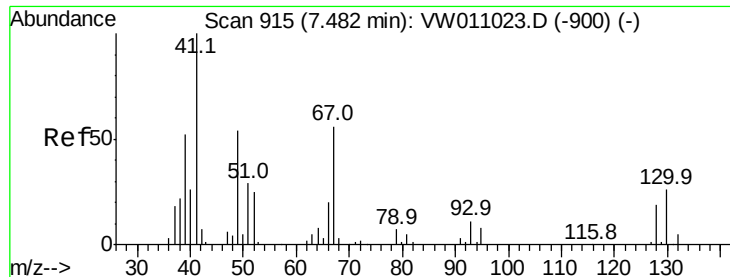
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#40
Benzene
Concen: 20.733 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.7	29.5





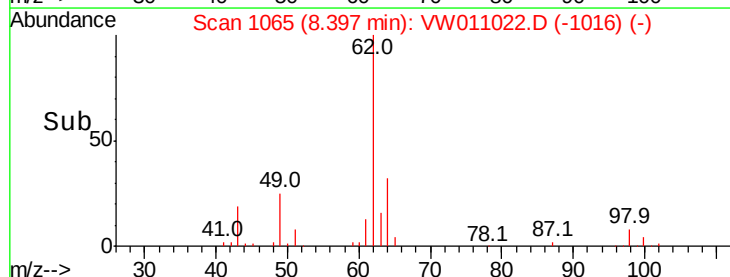
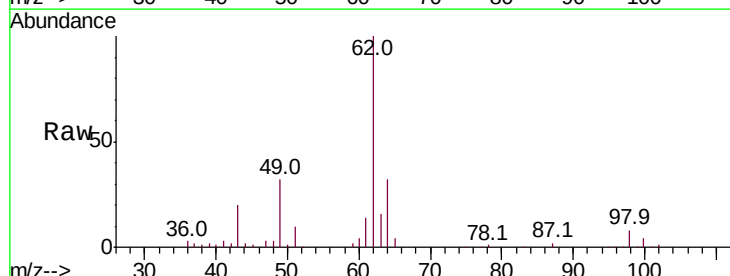
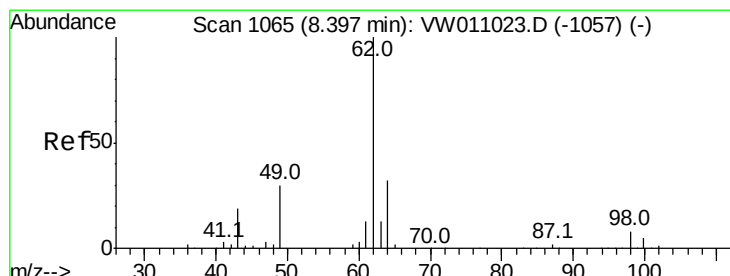
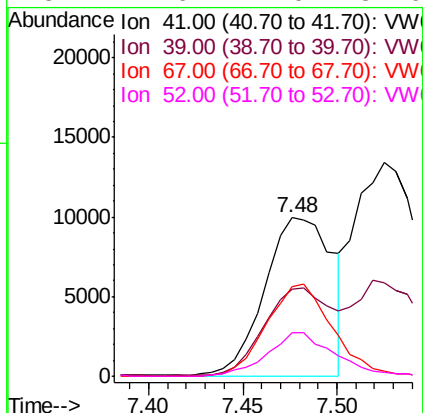
#41
Methacrylonitrile
Concen: 20.631 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	42.1	63.1	
67	56.6	44.2	66.2	
52	27.6	21.0	31.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

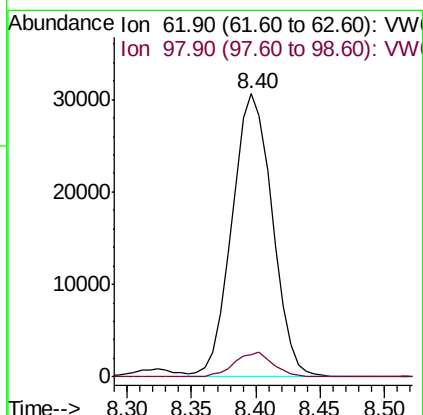
Manual Integrations
APPROVED

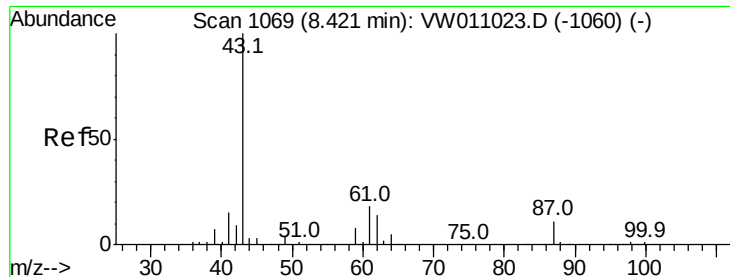
MMDadoda
6/28/2019 10:24:59 AM



#42
1,2-Dichloroethane
Concen: 21.229 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.8	





#43

Isopropyl Acetate

Concen: 20.242 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

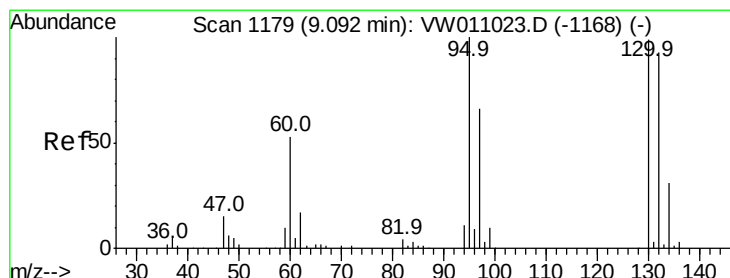
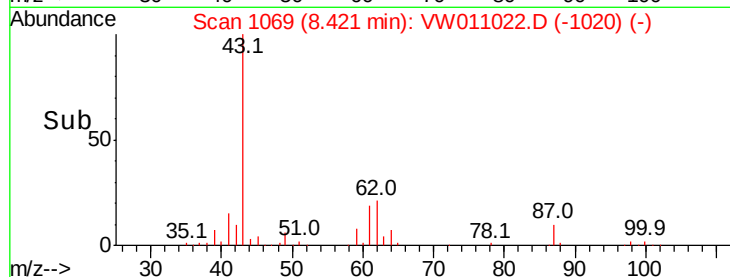
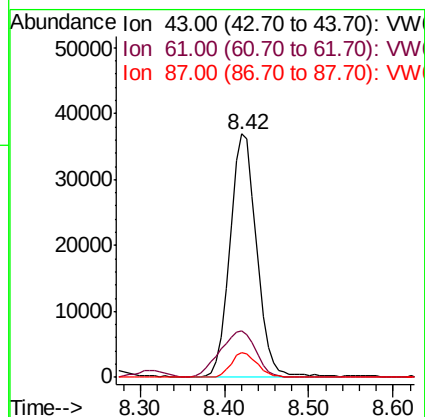
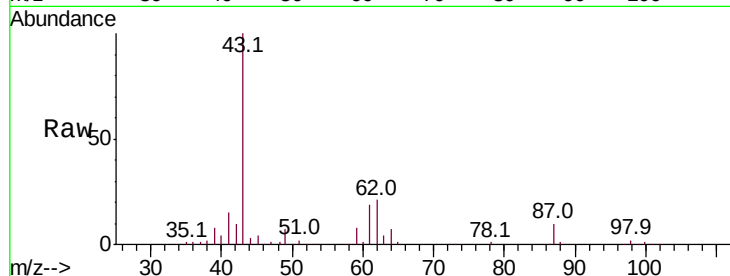
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	78709
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.0	31.6
87	10.1	8.2	12.4

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#44

Trichloroethene

Concen: 20.419 ug/l

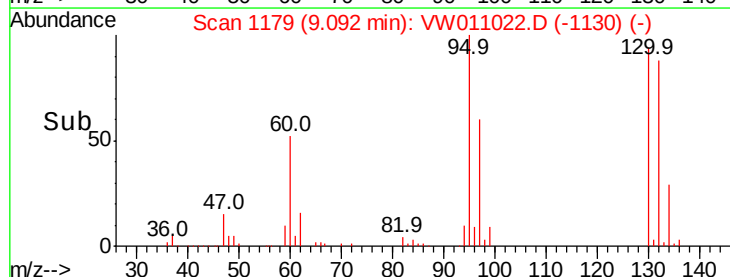
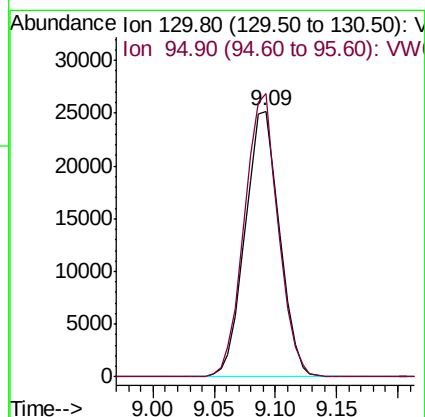
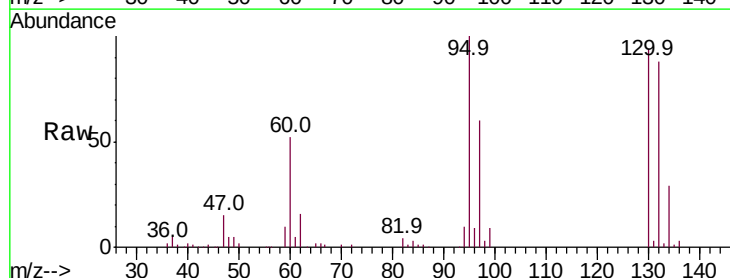
RT: 9.09 min Scan# 1179

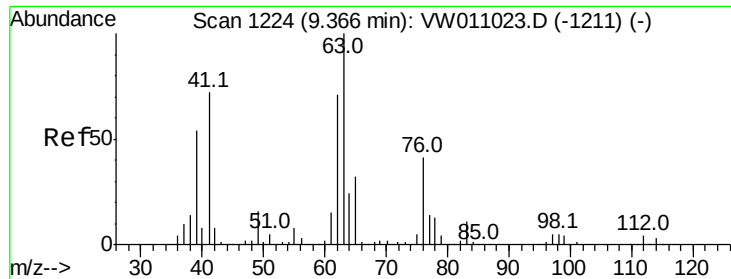
Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Tgt Ion:	130	Resp:	49451
Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	202.0





#45

1,2-Dichloropropane

Concen: 21.142 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 55278

Ion Ratio Lower Upper

63 100

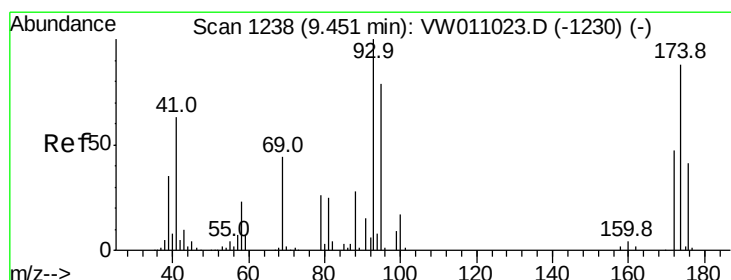
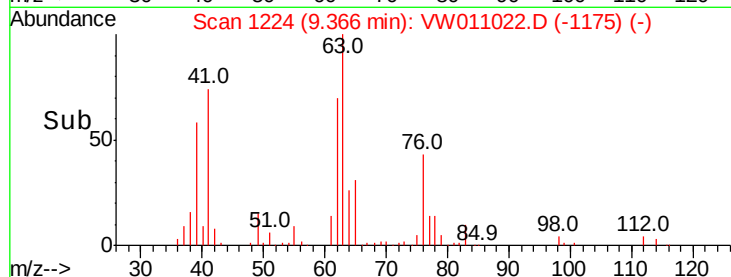
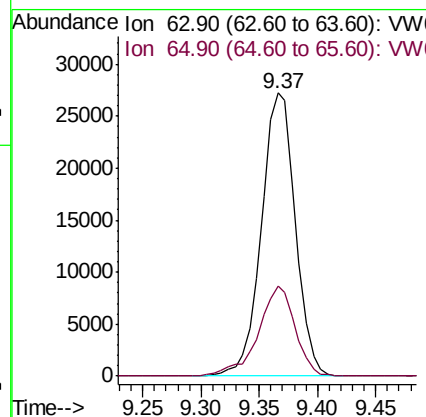
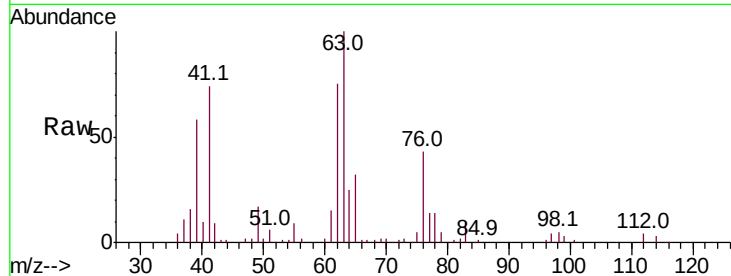
65 31.8 25.6 38.4

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#46

Dibromomethane

Concen: 21.022 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

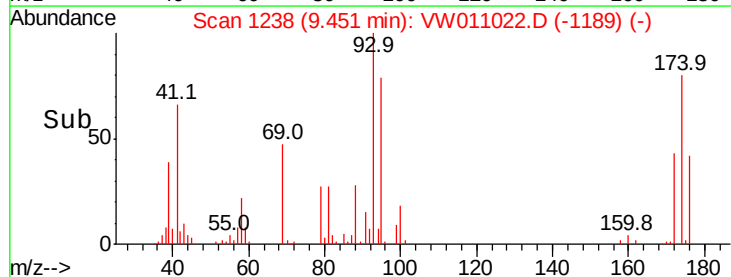
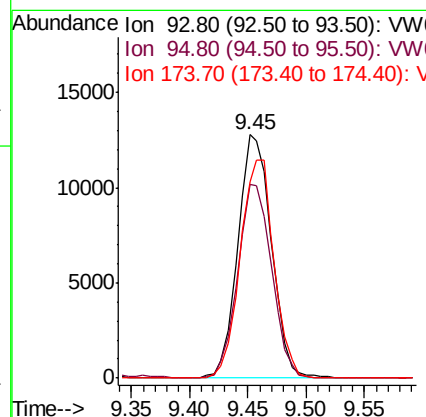
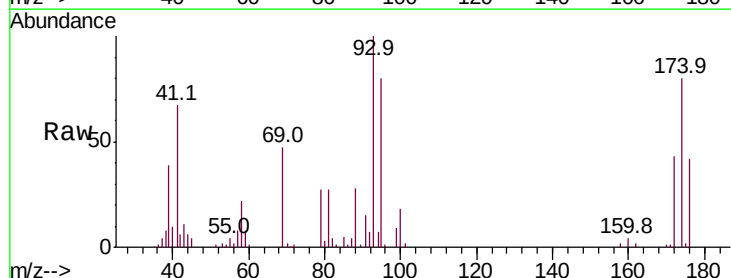
Tgt Ion: 93 Resp: 25589

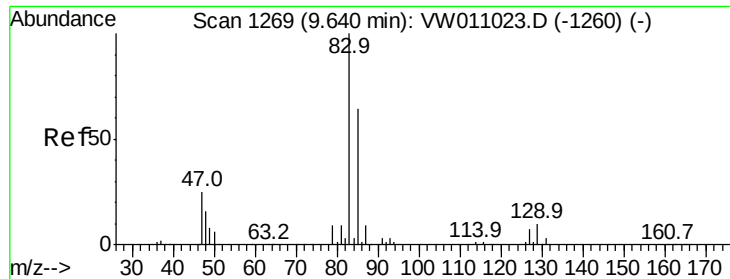
Ion Ratio Lower Upper

93 100

95 80.7 65.8 98.6

174 90.3 75.4 113.0





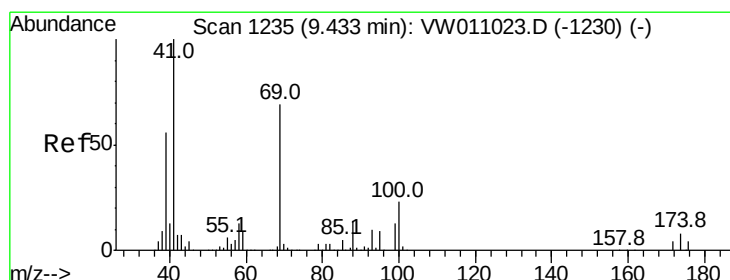
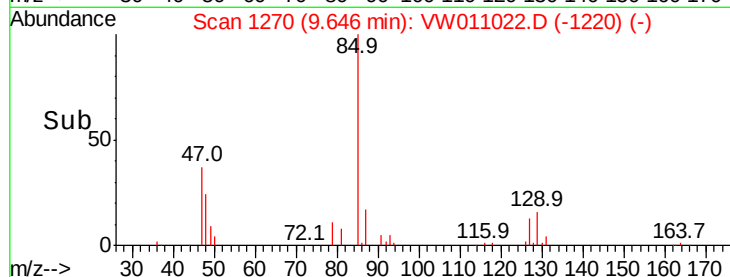
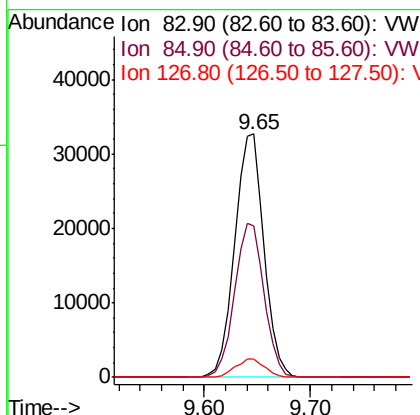
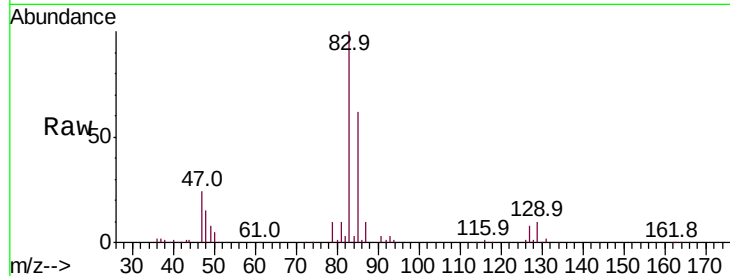
#47
Bromodichloromethane
Concen: 20.138 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	62992
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	51.0	76.4
127	7.8	5.8	8.8

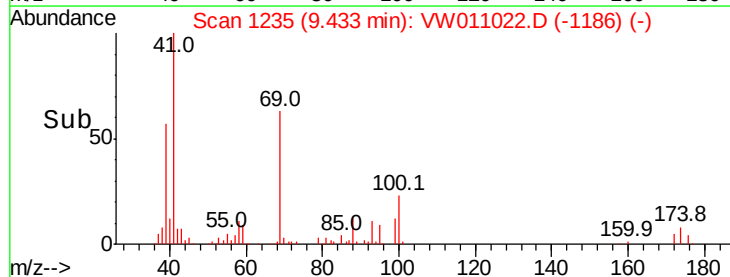
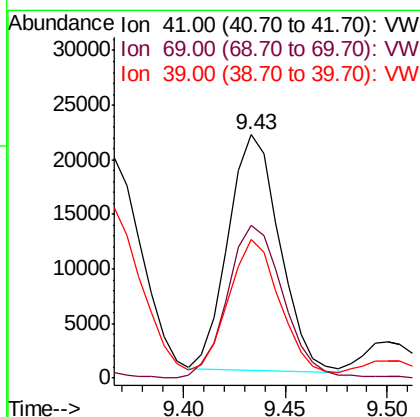
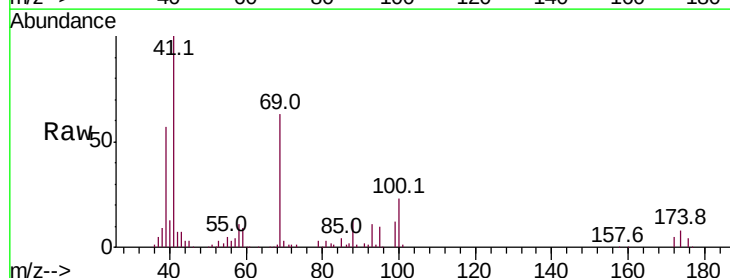
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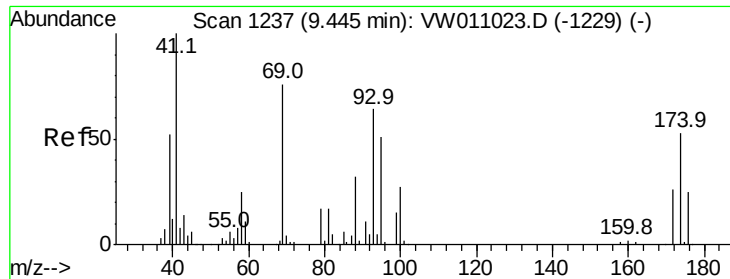
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#48
Methyl methacrylate
Concen: 20.106 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	41	Resp	37701
Ion Ratio	100	Lower	Upper
41	100		
69	71.2	56.7	85.1
39	56.0	45.0	67.6





#49

1,4-Dioxane

Concen: 408.662 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 88 Resp: 8015

Ion Ratio Lower Upper

88 100

43 44.5 34.4 51.6

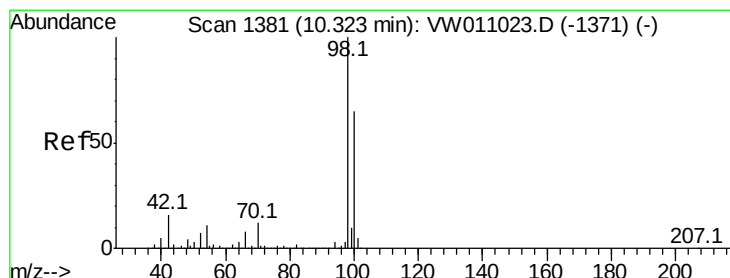
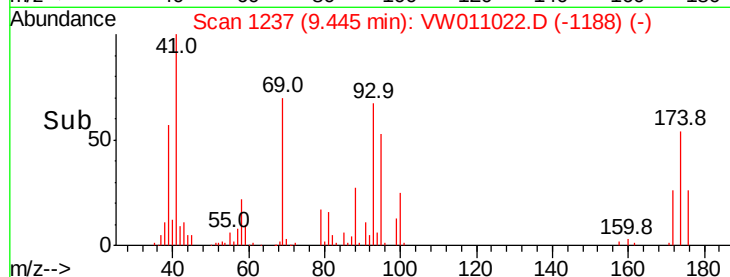
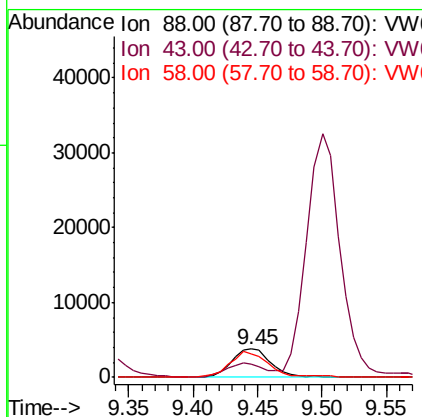
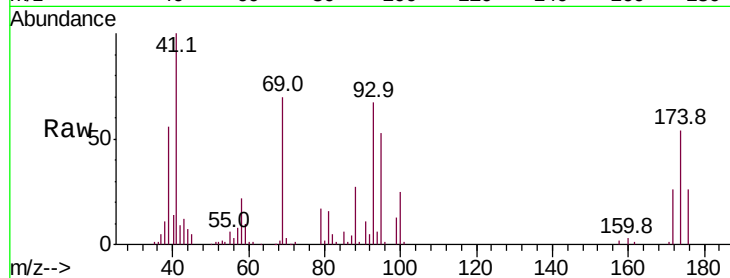
58 92.7 65.2 97.8

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#50

Toluene-d8

Concen: 19.071 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011022.D

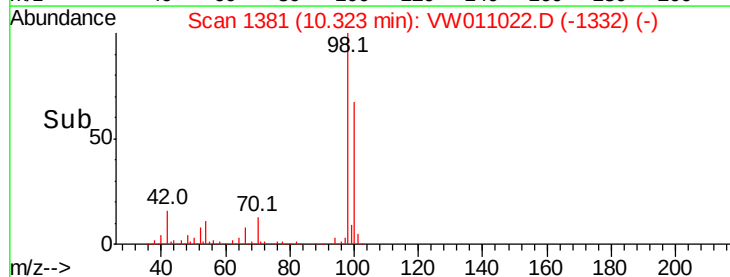
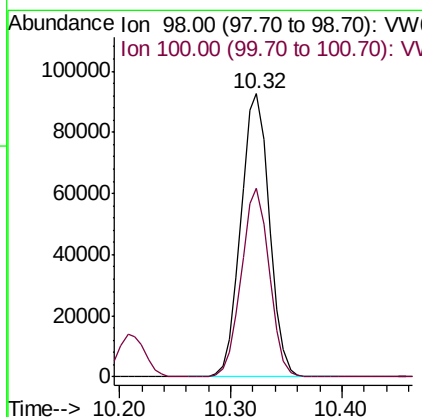
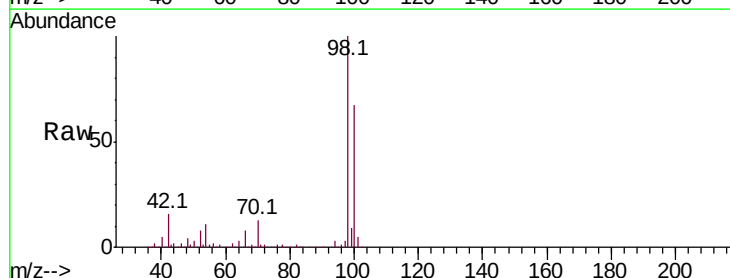
Acq: 27 Jun 2019 15:55

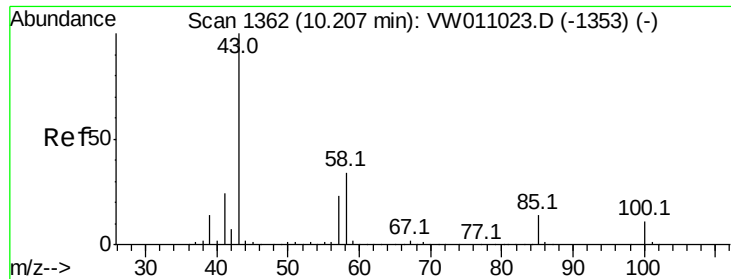
Tgt Ion: 98 Resp: 164581

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 102.846 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 205864

Ion Ratio Lower Upper

43 100

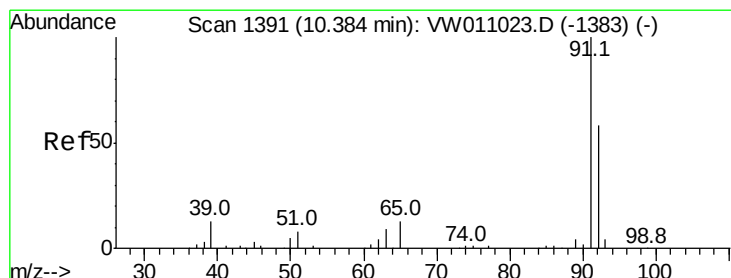
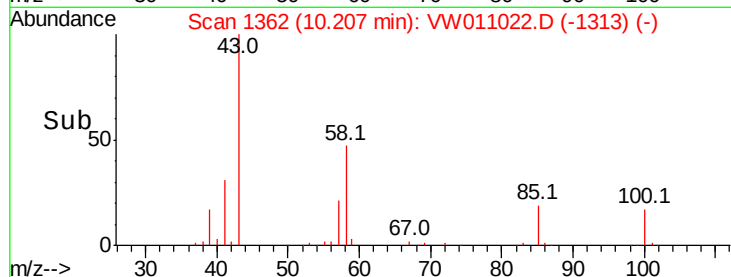
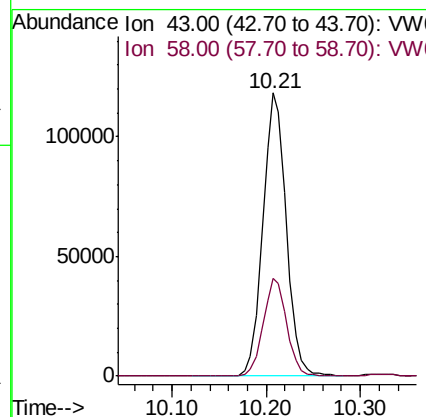
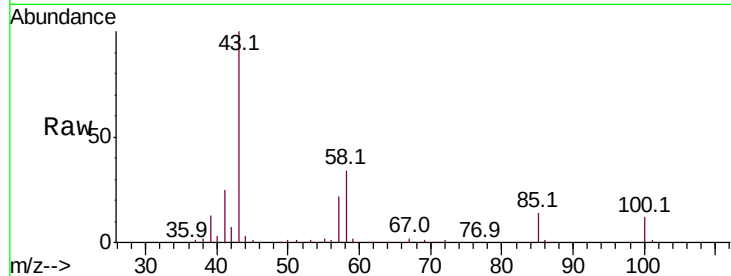
58 34.6 27.8 41.6

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#52

Toluene

Concen: 20.715 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011022.D

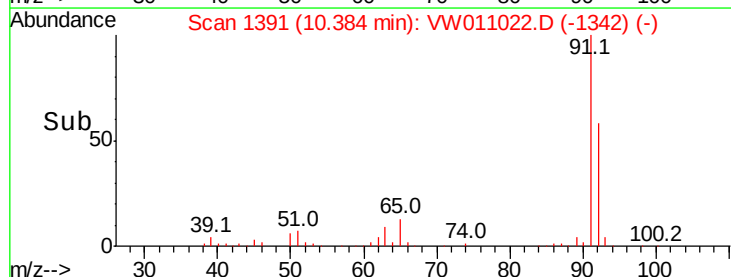
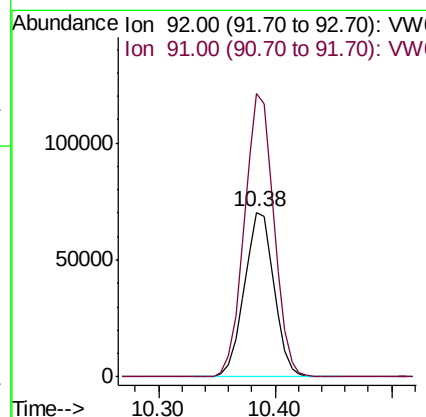
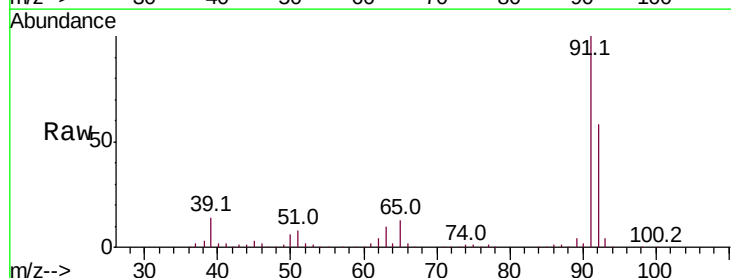
Acq: 27 Jun 2019 15:55

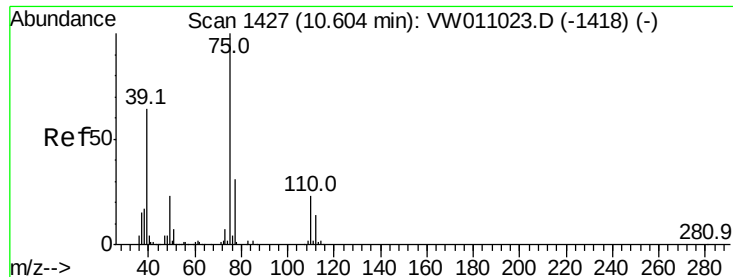
Tgt Ion: 92 Resp: 125429

Ion Ratio Lower Upper

92 100

91 171.3 136.9 205.3





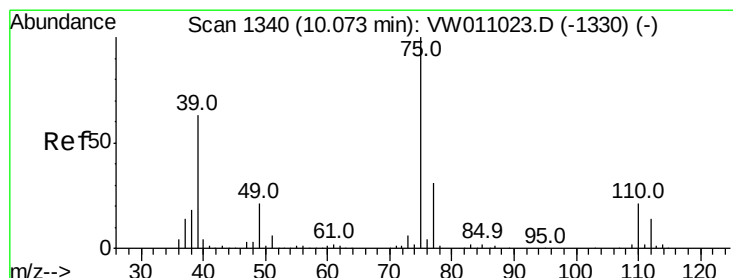
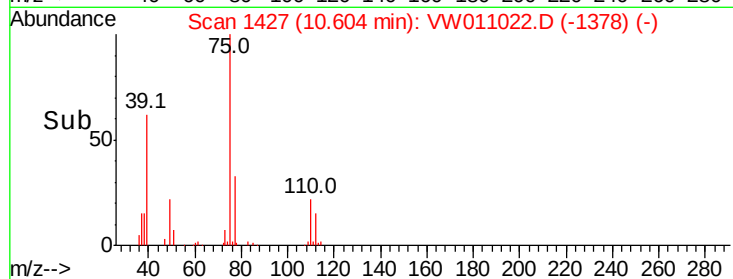
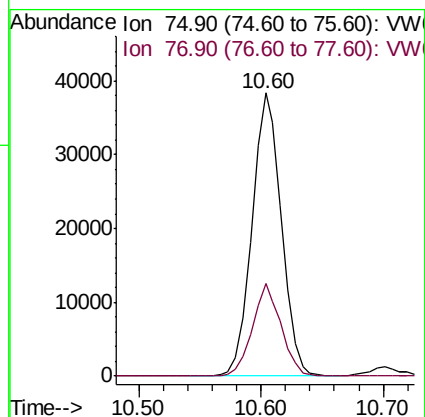
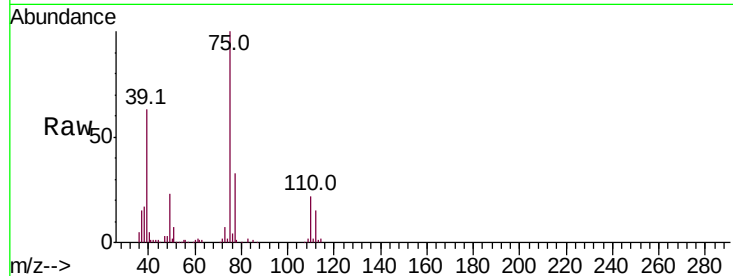
#53
 t-1,3-Dichloropropene
 Concen: 19.376 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 64142
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.6 37.0

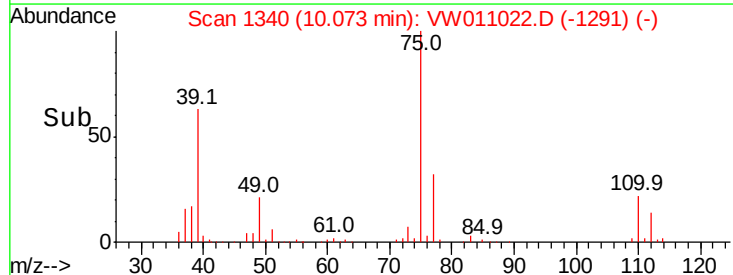
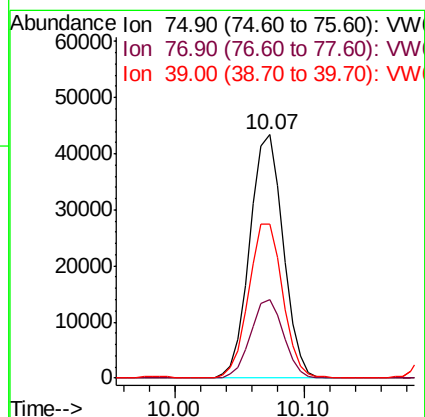
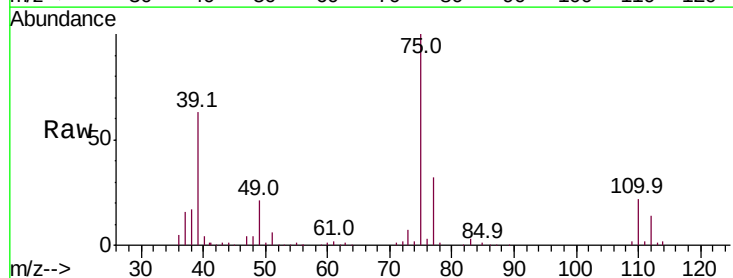
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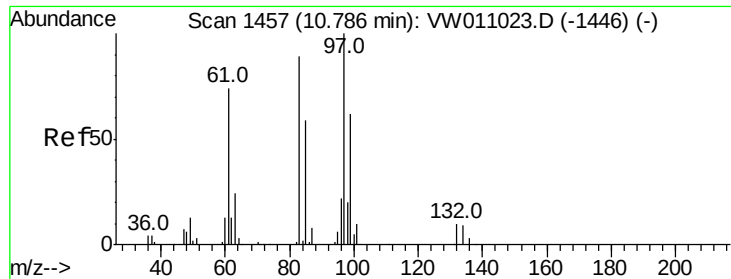
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#54
 cis-1,3-Dichloropropene
 Concen: 19.896 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion: 75 Resp: 77704
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.8 37.2
 39 63.2 50.0 75.0





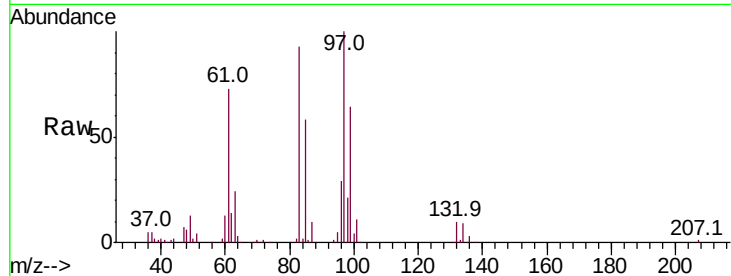
#55
 1,1,2-Trichloroethane
 Concen: 20.472 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	35848
Ion	Ratio	Lower	Upper
97	100		
83	92.6	70.9	106.3
85	58.3	47.2	70.8
99	64.1	50.0	75.0

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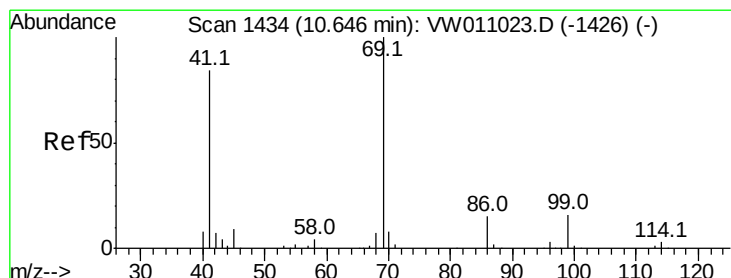
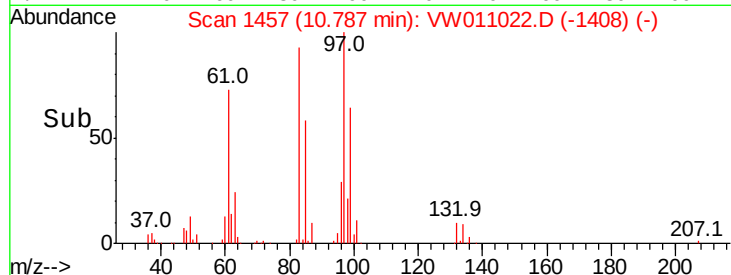
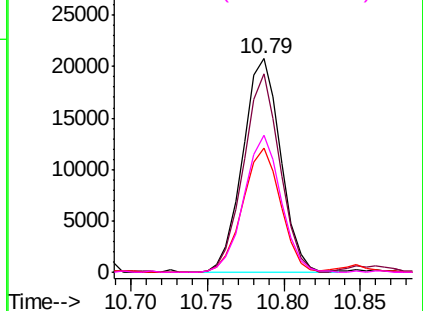
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 19.463 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

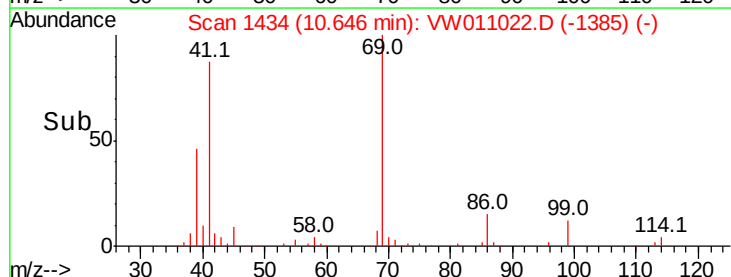
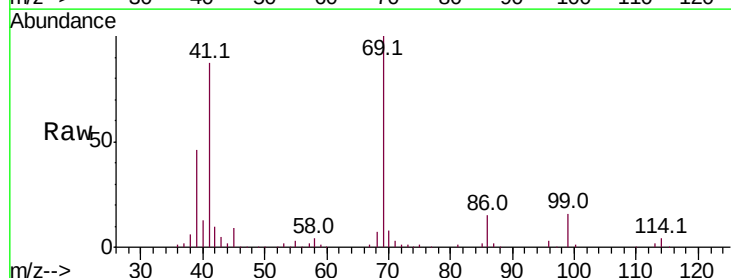
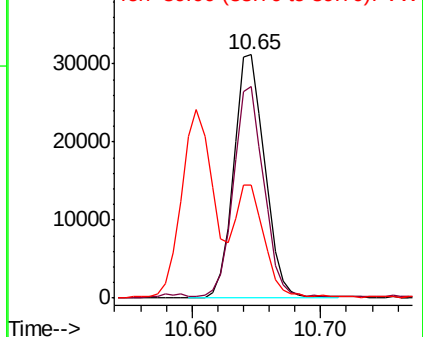
Tgt Ion:	69	Resp:	52206
Ion	Ratio	Lower	Upper
69	100		
41	83.7	67.9	101.9
39	42.3	33.2	49.8

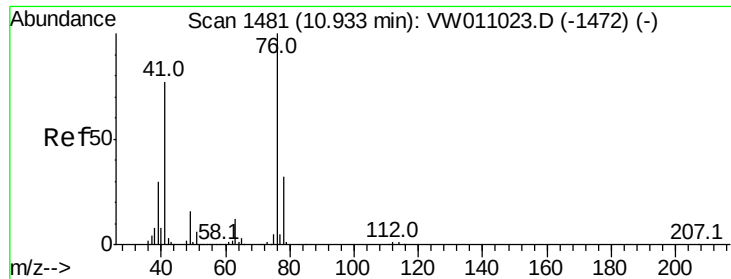
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





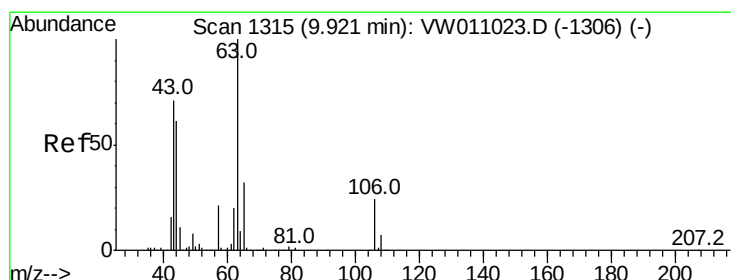
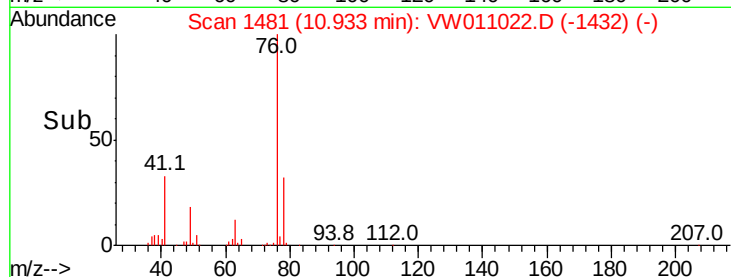
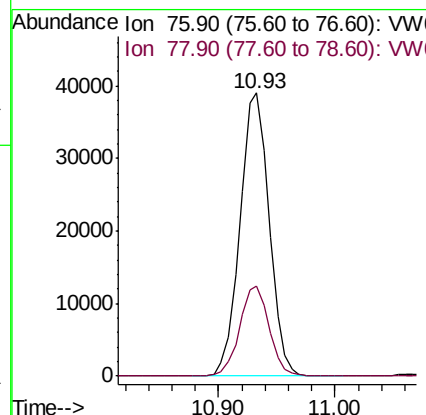
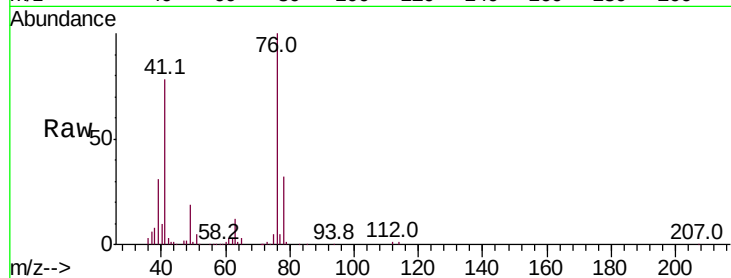
#57
 1,3-Dichloropropane
 Concen: 20.713 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 68315
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

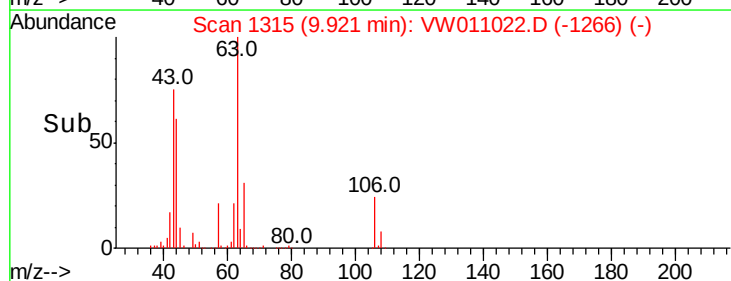
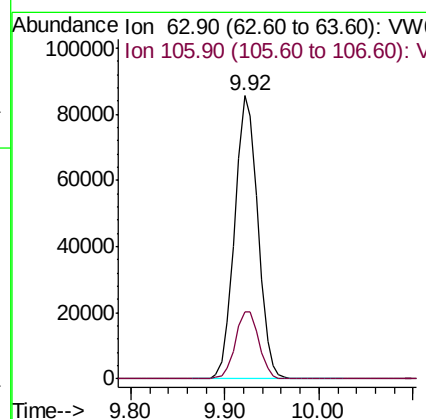
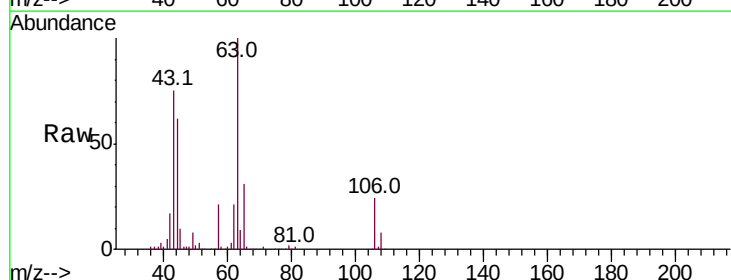
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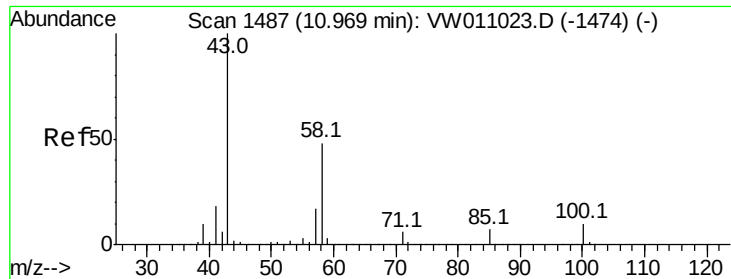
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.515 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion: 63 Resp: 146028
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.4 29.0





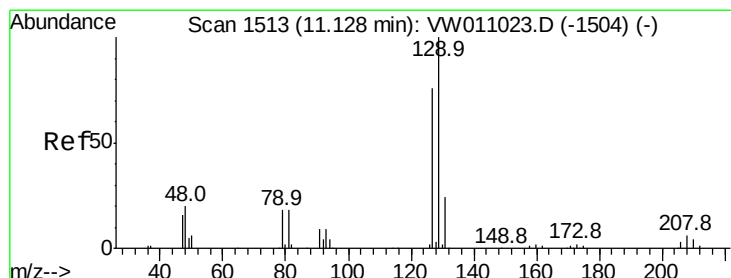
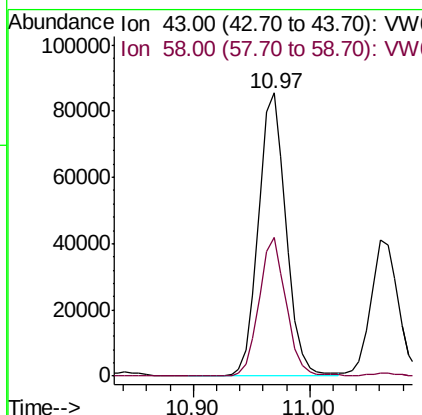
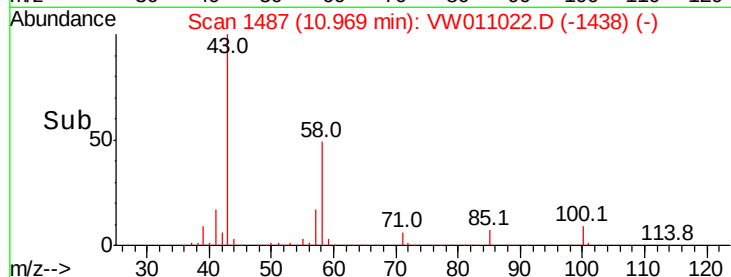
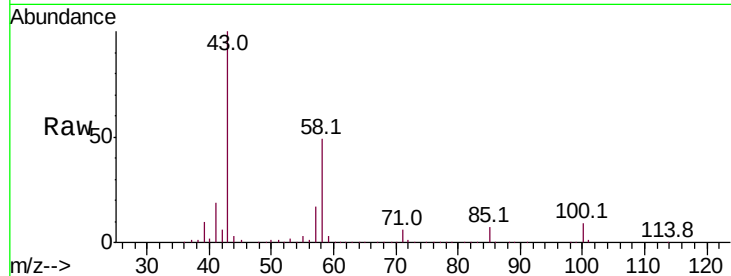
#59
2-Hexanone
Concen: 98.526 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 141770
Ion Ratio Lower Upper
43 100
58 48.1 23.8 71.5

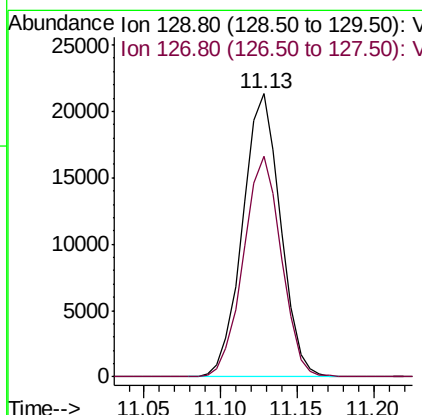
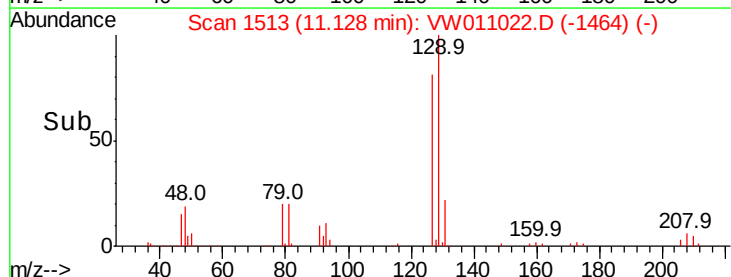
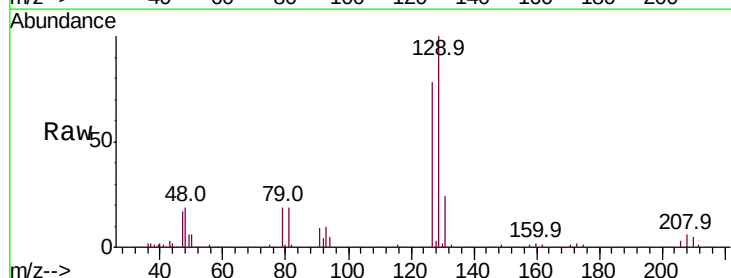
Manual Integrations
APPROVED

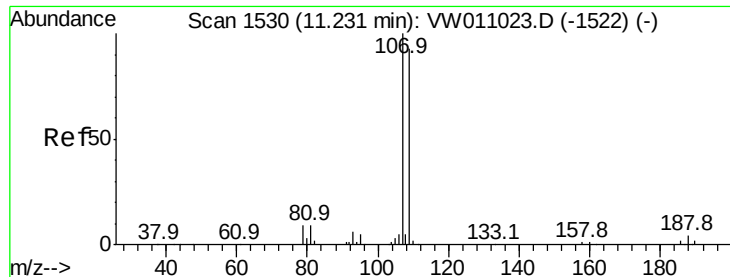
MMDadoda
6/28/2019 10:24:59 AM



#60
Dibromochloromethane
Concen: 19.141 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion: 129 Resp: 36710
Ion Ratio Lower Upper
129 100
127 78.0 39.4 118.1





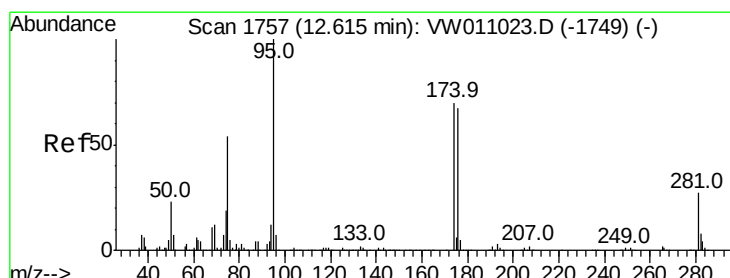
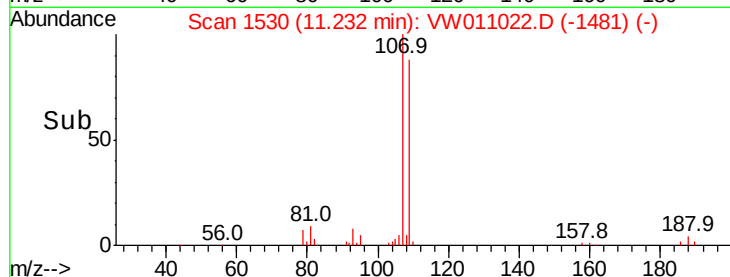
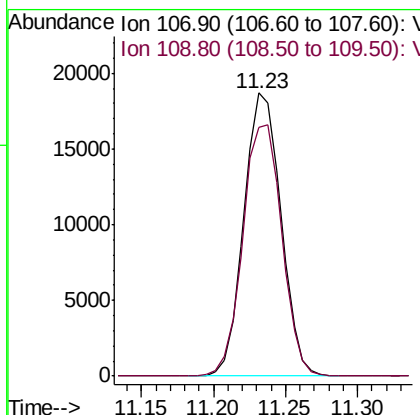
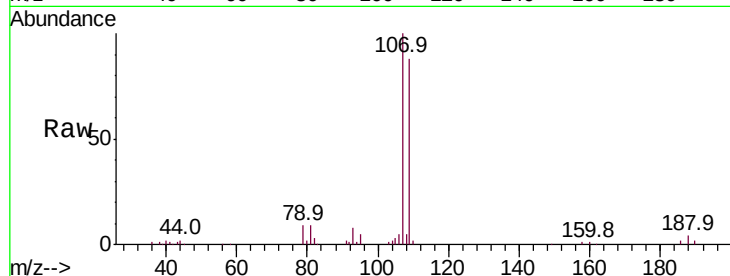
#61
1,2-Dibromoethane
Concen: 20.197 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.1	112.7

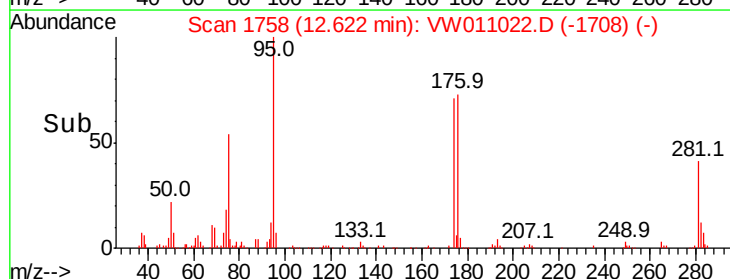
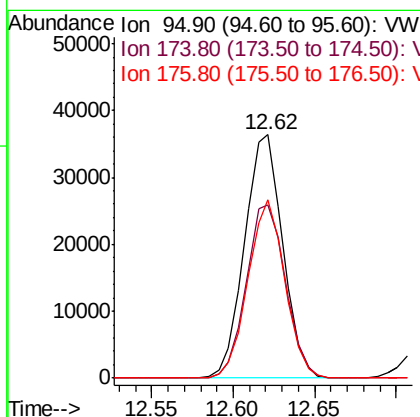
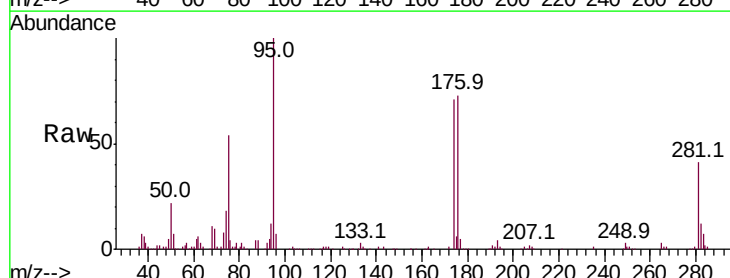
Manual Integrations
APPROVED

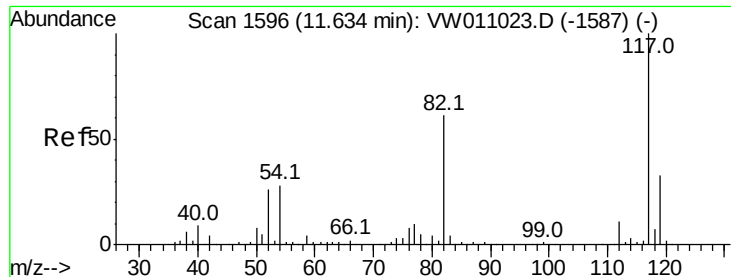
MMDadoda
6/28/2019 10:24:59 AM



#62
4-Bromofluorobenzene
Concen: 18.875 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	149.2
176	70.3	0.0	143.6





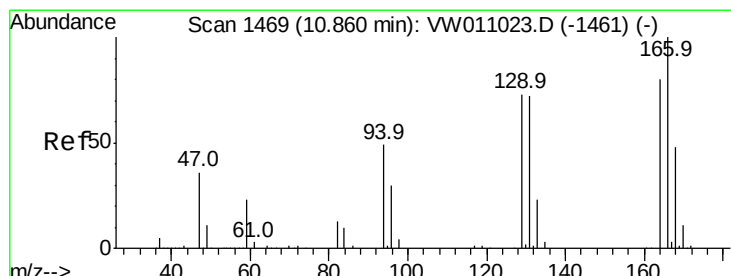
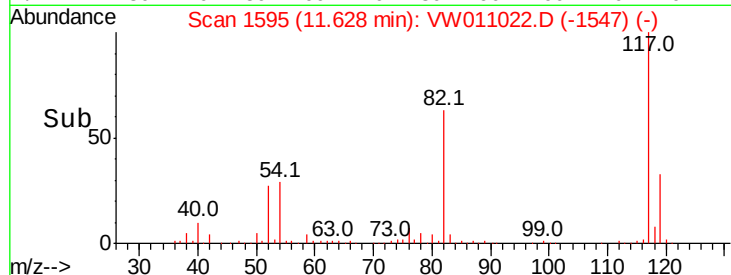
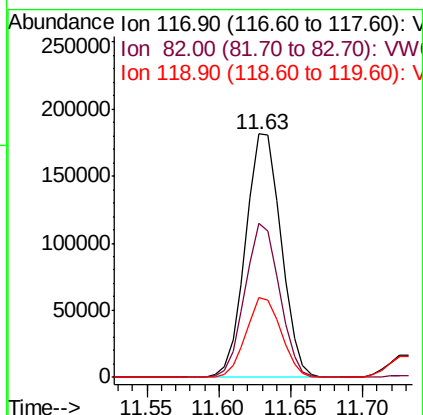
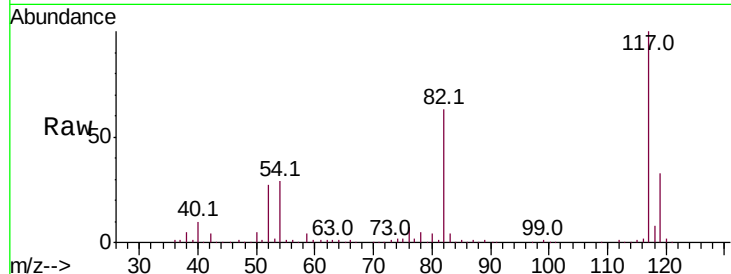
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	63.1	48.6	73.0	
119	32.7	26.1	39.1	

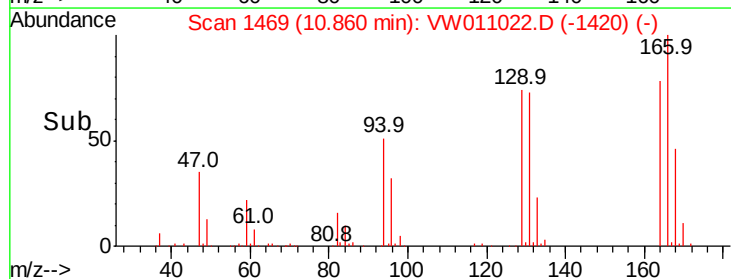
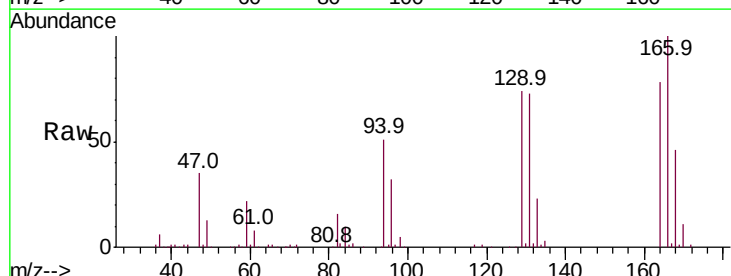
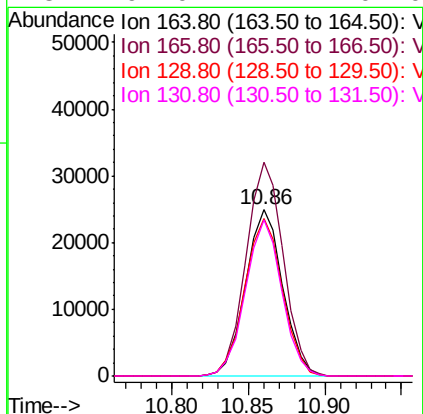
Manual Integrations
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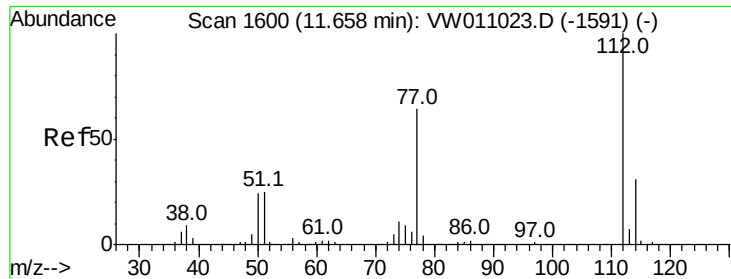
MMDadoda
6/28/2019 10:24:59 AM



#64
Tetrachloroethene
Concen: 20.261 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.6	99.8	149.6	
129	94.8	73.0	109.4	
131	94.0	71.4	107.0	





#65

Chlorobenzene

Concen: 20.318 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 125169

Ion Ratio Lower Upper

112 100

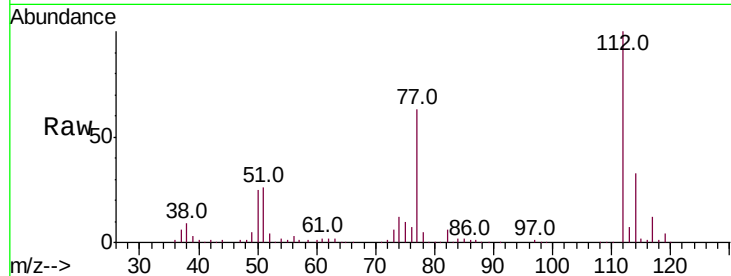
114 33.2 25.2 37.8

Manual Integrations

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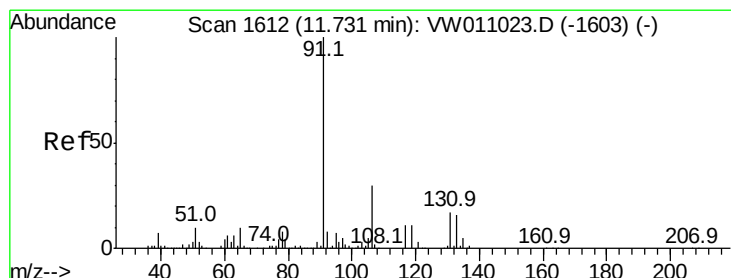
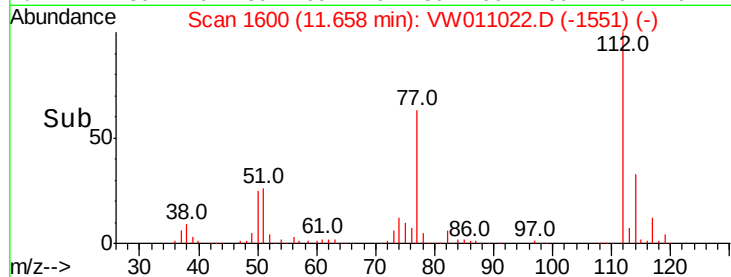
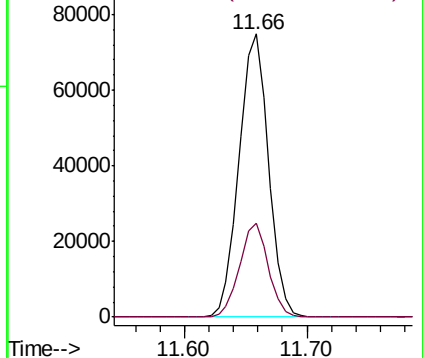
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.889 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

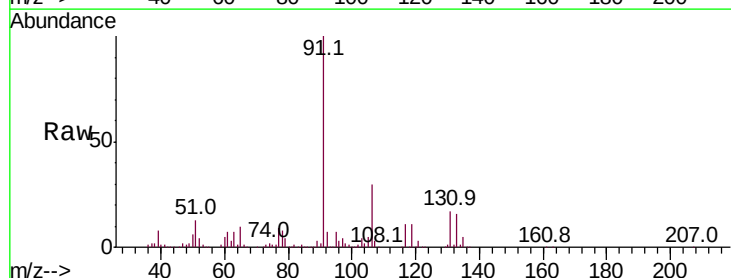
Tgt Ion:131 Resp: 42169

Ion Ratio Lower Upper

131 100

133 96.6 47.7 143.1

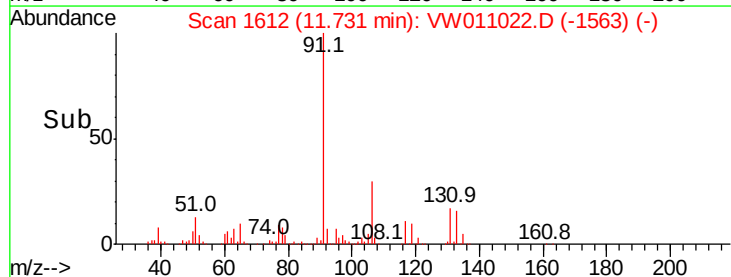
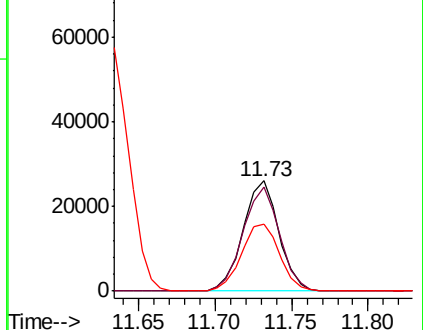
119 64.9 33.1 99.2

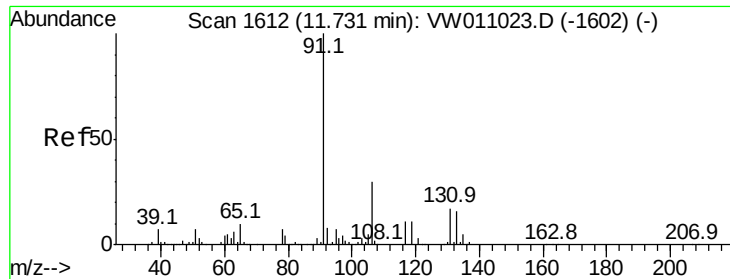


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





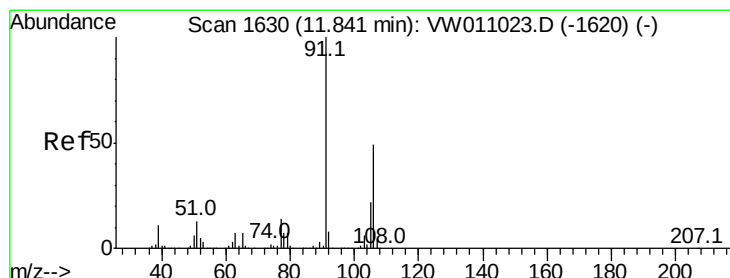
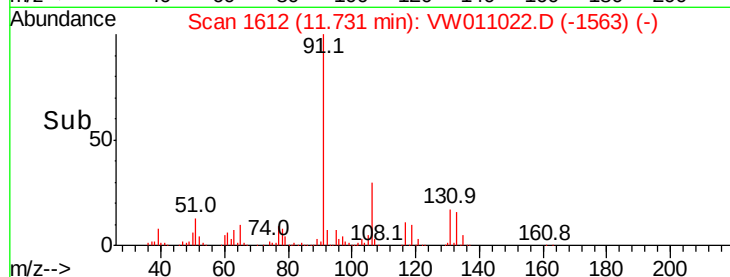
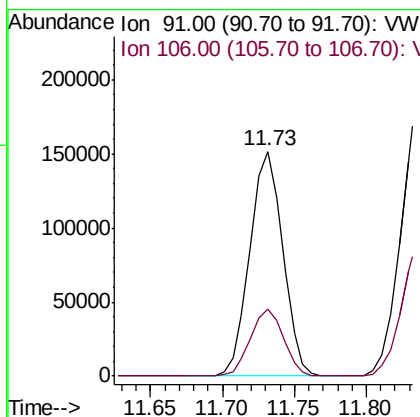
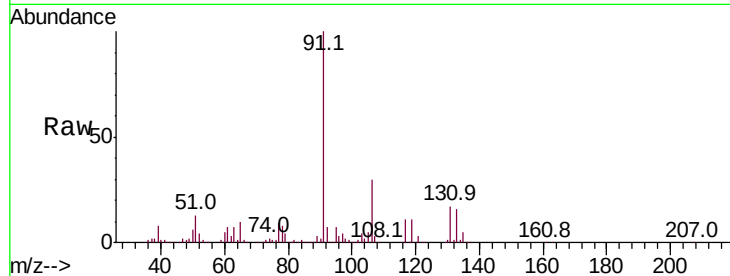
#67
Ethyl Benzene
Concen: 20.313 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 240529
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

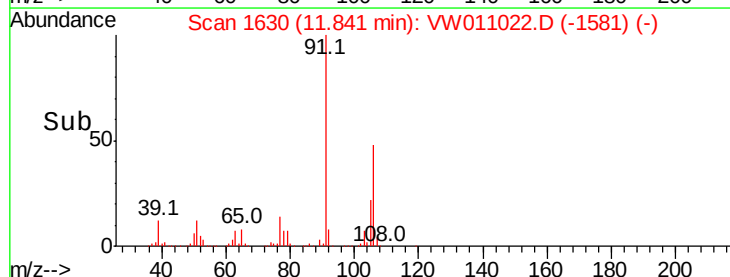
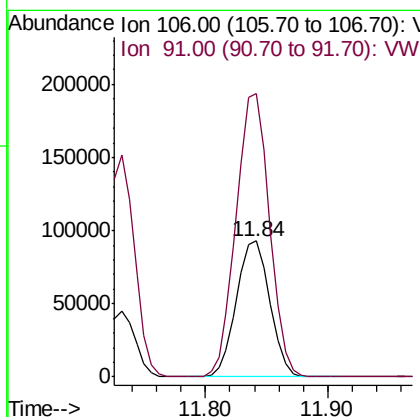
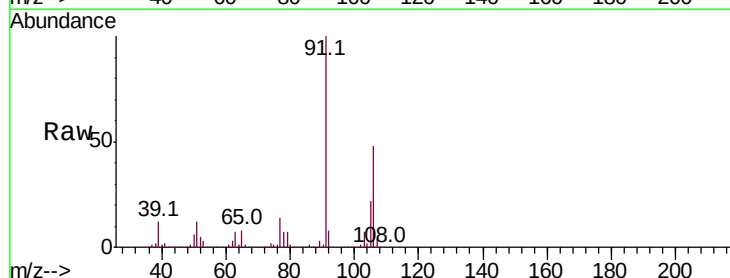
Manual Integrations
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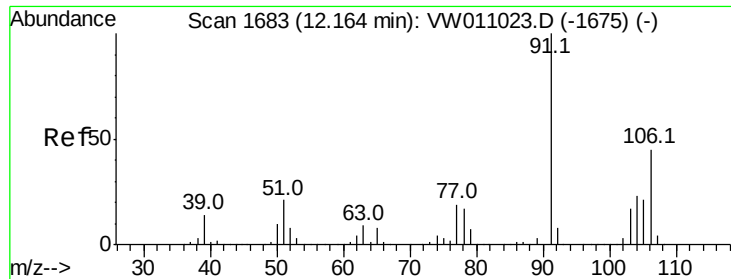
MMDadoda
6/28/2019 10:24:59 AM



#68
m/p-Xylenes
Concen: 41.480 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion: 106 Resp: 176388
Ion Ratio Lower Upper
106 100
91 208.5 167.5 251.3





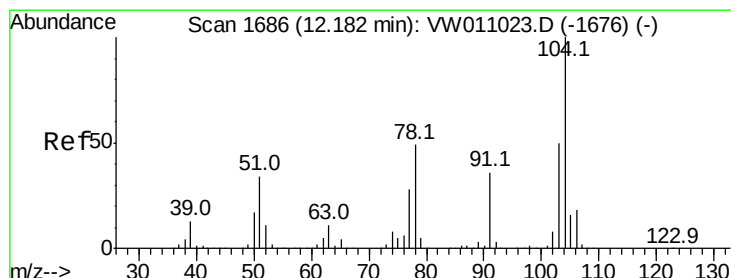
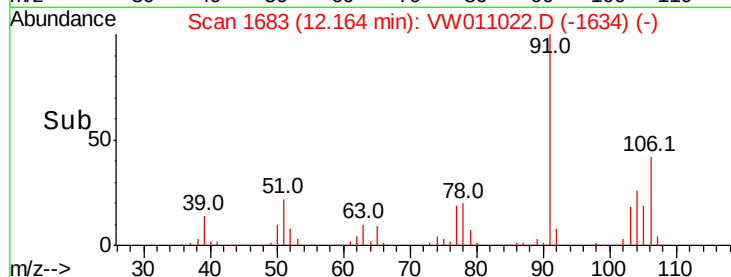
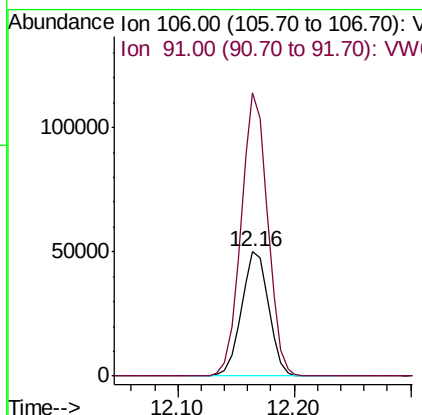
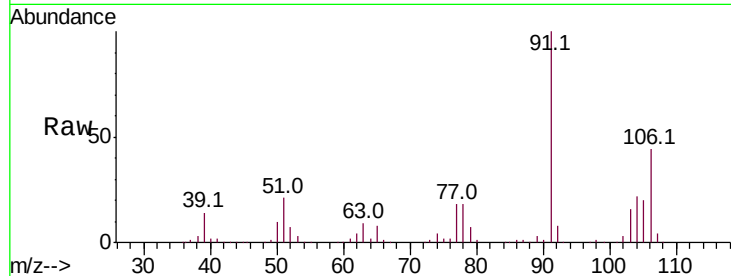
#69
o-Xylene
Concen: 20.353 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 81848
Ion Ratio Lower Upper
106 100
91 221.8 110.8 332.3

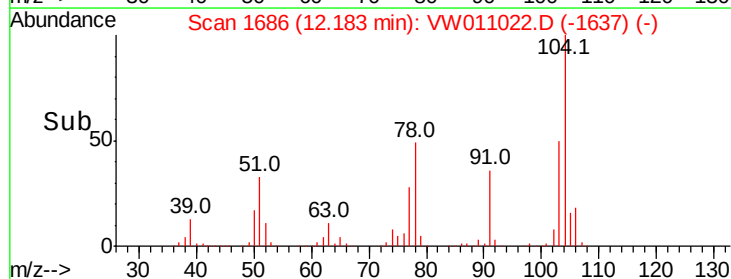
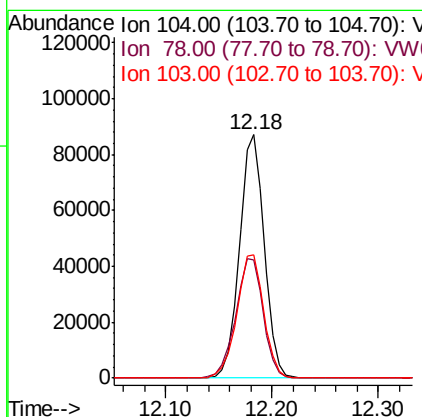
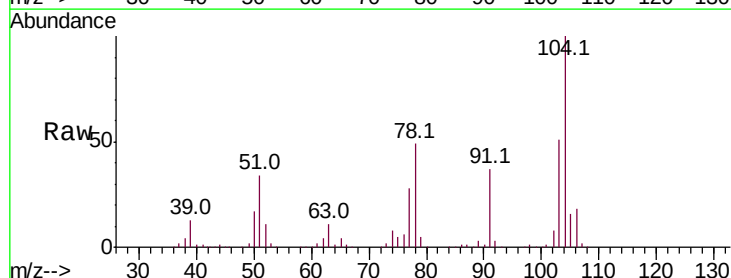
Manual Integrations
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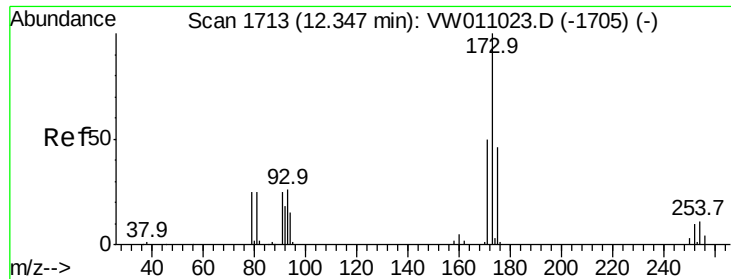
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#70
Styrene
Concen: 20.347 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion:104 Resp: 142237
Ion Ratio Lower Upper
104 100
78 54.6 43.7 65.5
103 55.0 43.9 65.9





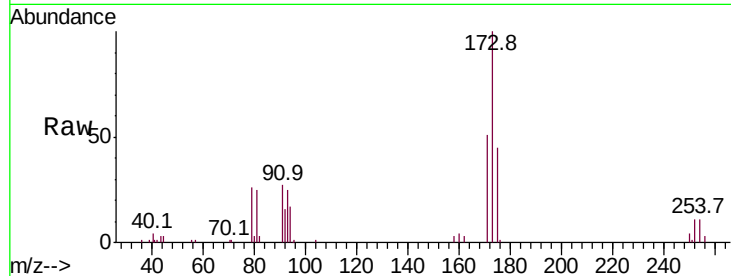
#71
Bromoform
Concen: 17.750 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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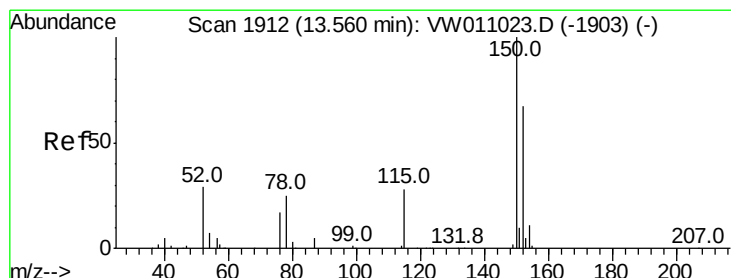
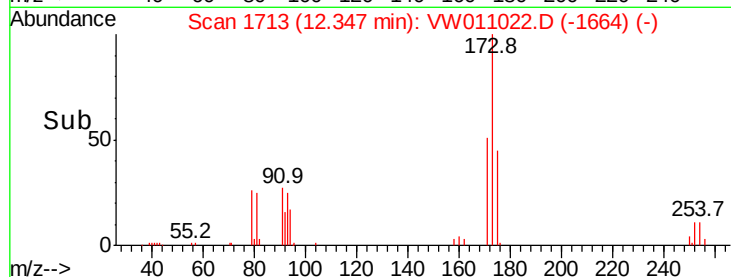
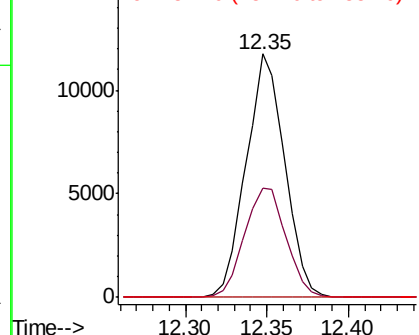


Abundance

Ion 172.70 (172.40 to 173.40): V

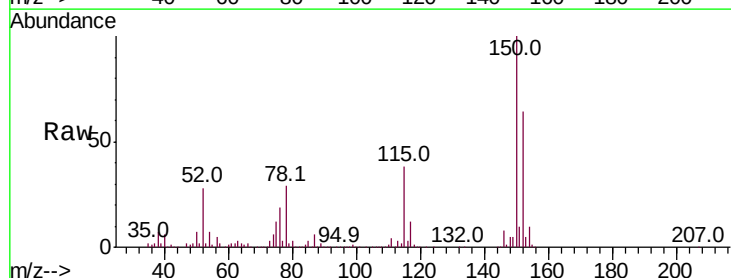
Ion 174.70 (174.40 to 175.40): V

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: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.7	92.1
150	161.4	0.0	341.8

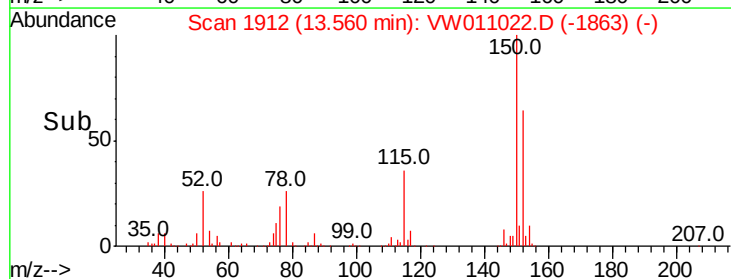
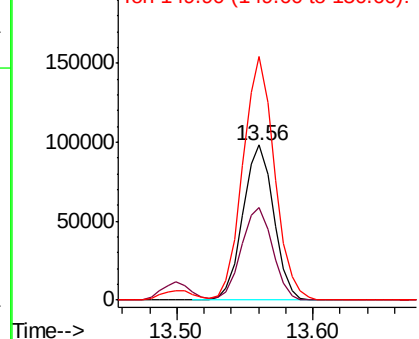


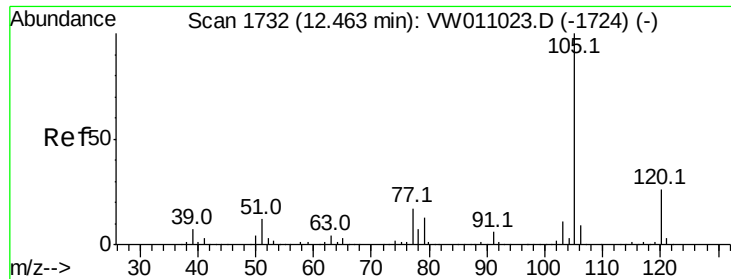
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





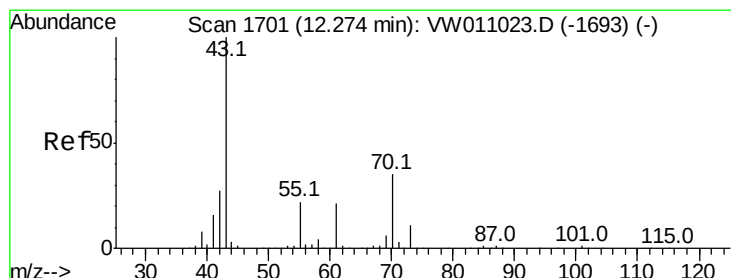
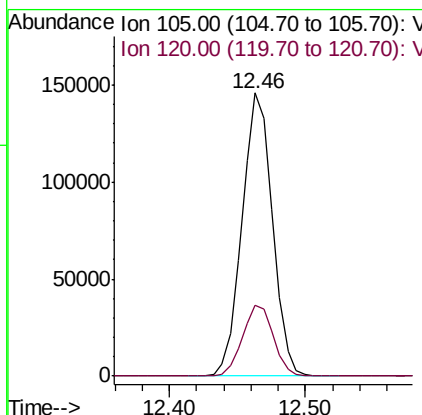
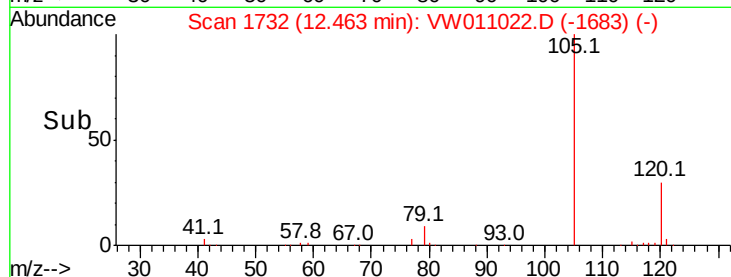
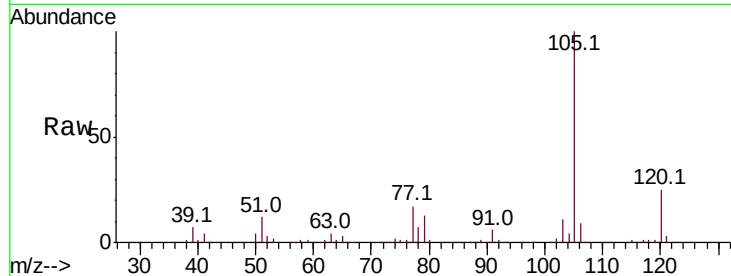
#73
Isopropylbenzene
Concen: 19.517 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.9	38.6

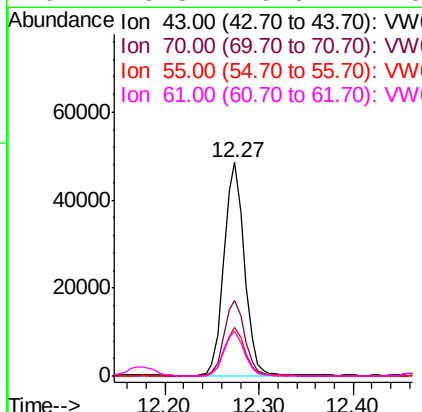
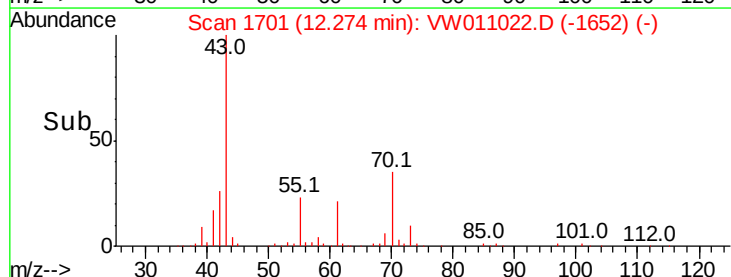
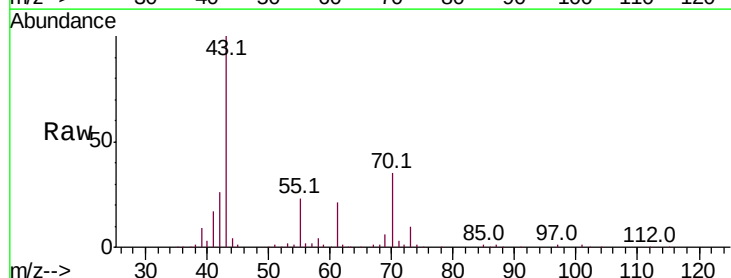
Manual Integrations
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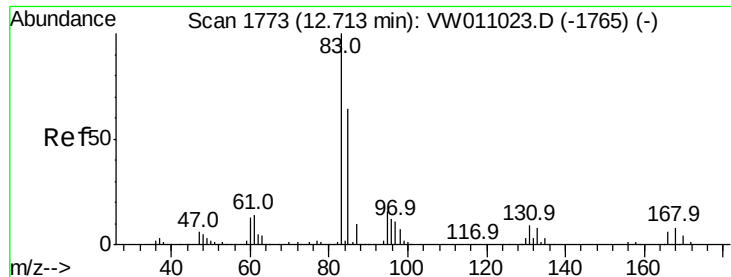
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#74
N-ethyl acetate
Concen: 19.193 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.9	28.2	42.4
55	23.3	17.8	26.8
61	20.8	16.6	24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.129 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

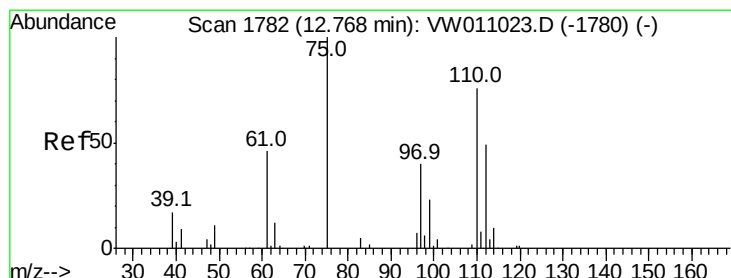
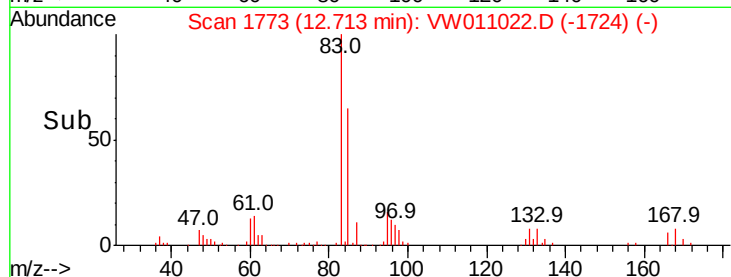
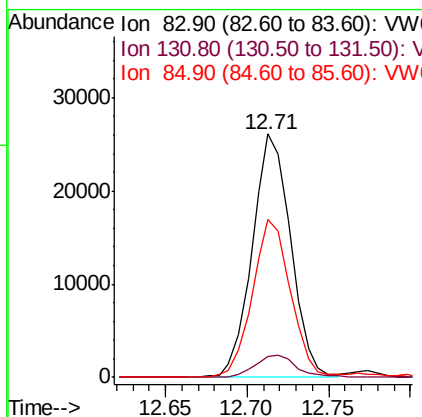
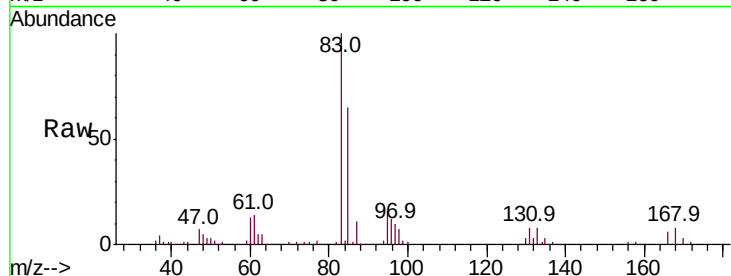
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	42740
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	64.3	31.8	95.4

Manual Integrations
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6/28/2019 10:24:59 AM



#76

1,2,3-Trichloropropane

Concen: 18.917 ug/l m

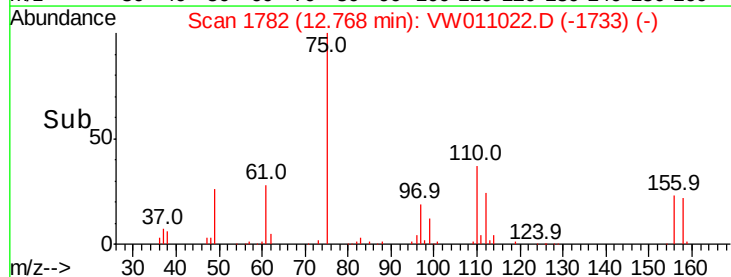
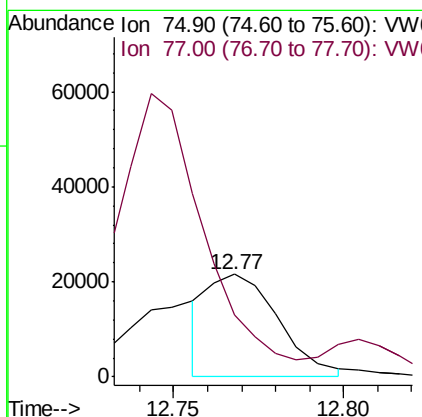
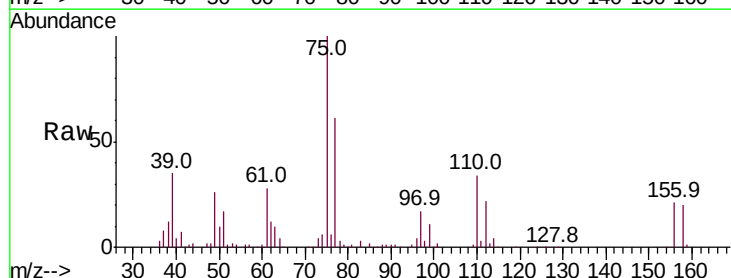
RT: 12.77 min Scan# 1782

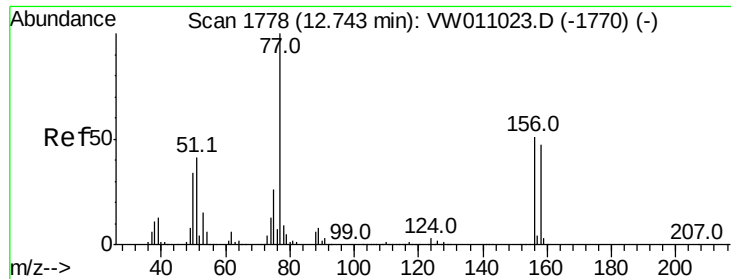
Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Tgt Ion:	75	Resp:	31010
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.839 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 50399

Ion Ratio Lower Upper

156 100

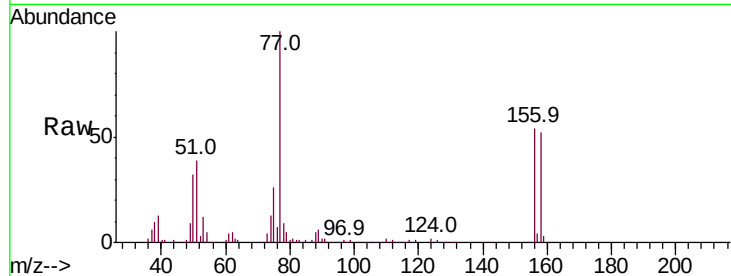
77 213.3 109.5 328.5

158 95.2 48.6 145.9

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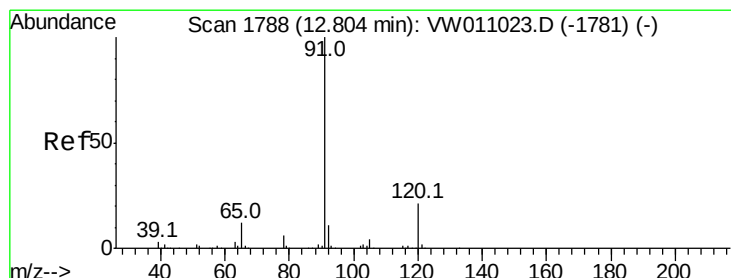
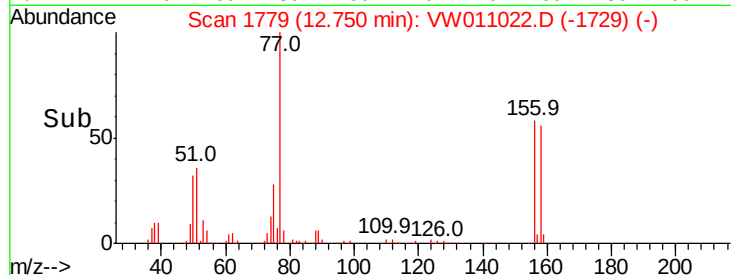
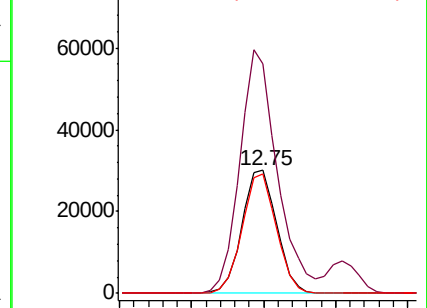
6/28/2019 10:24:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.180 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011022.D

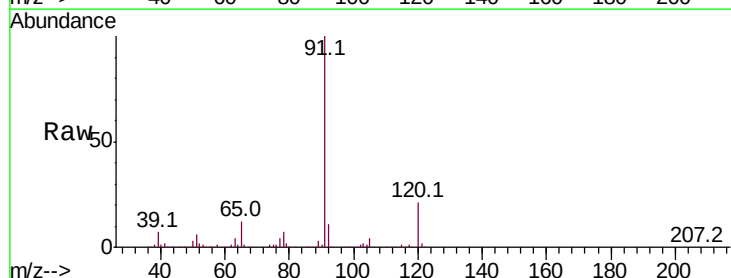
Acq: 27 Jun 2019 15:55

Tgt Ion: 91 Resp: 284958

Ion Ratio Lower Upper

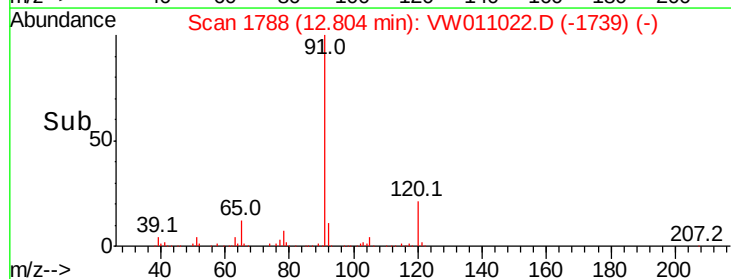
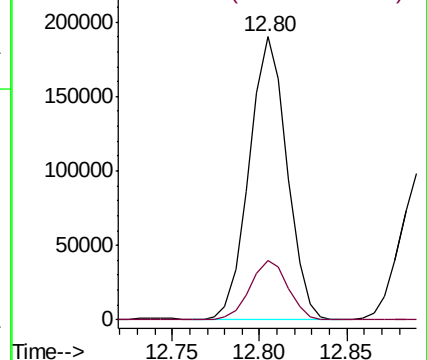
91 100

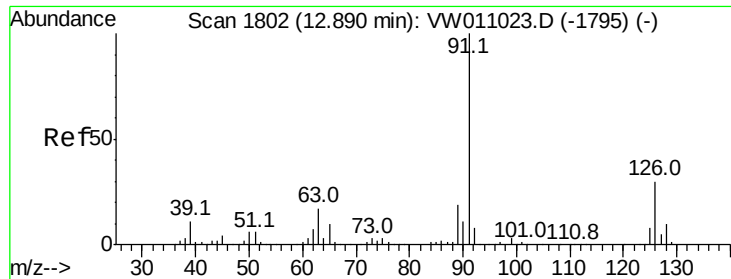
120 21.2 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.975 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 161131

Ion Ratio Lower Upper

91 100

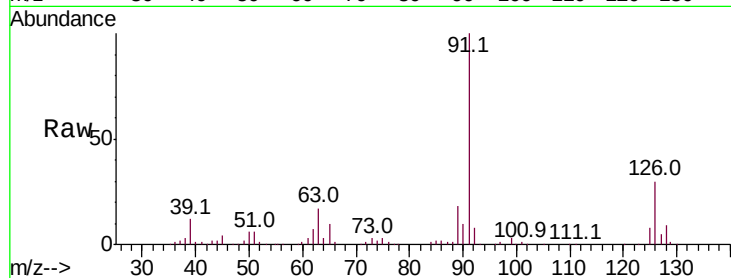
126 30.5 15.4 46.4

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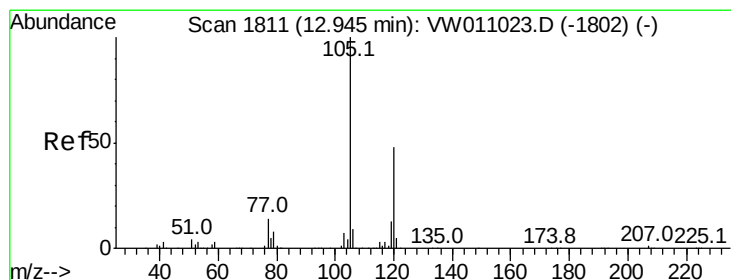
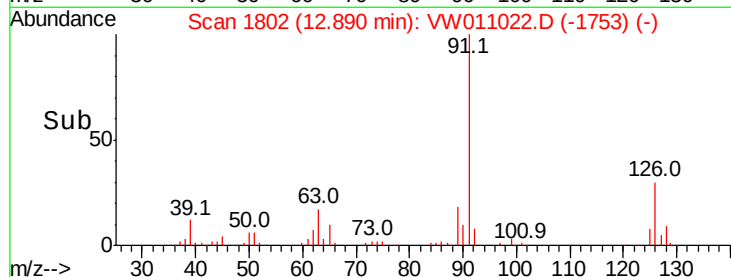
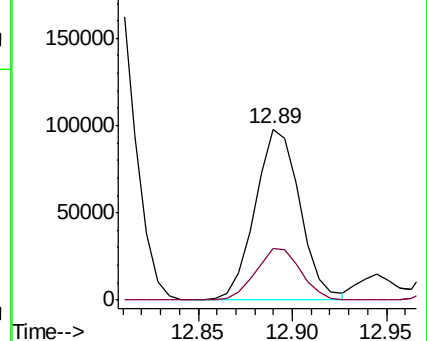
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.169 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011022.D

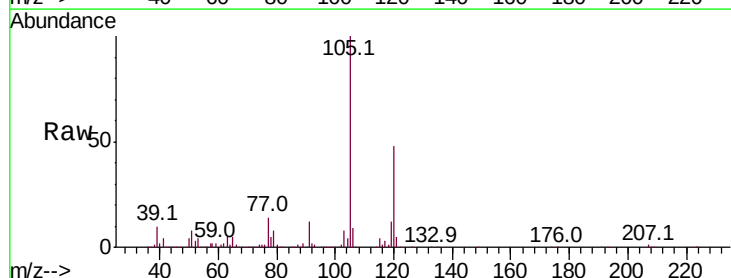
Acq: 27 Jun 2019 15:55

Tgt Ion:105 Resp: 193735

Ion Ratio Lower Upper

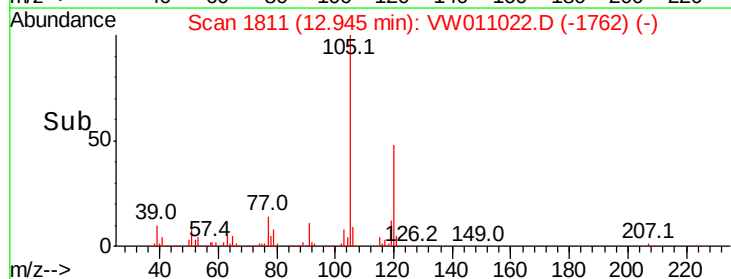
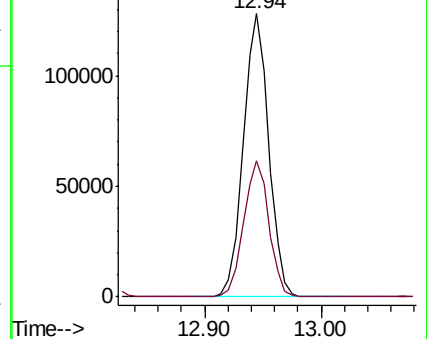
105 100

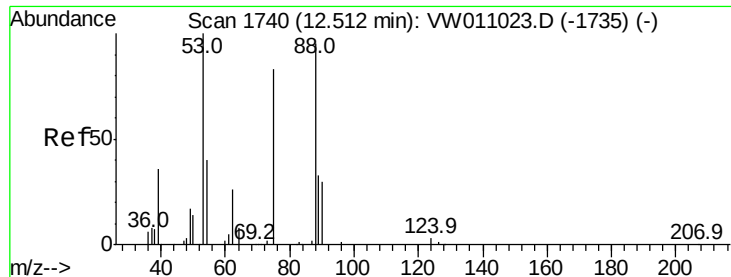
120 47.8 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





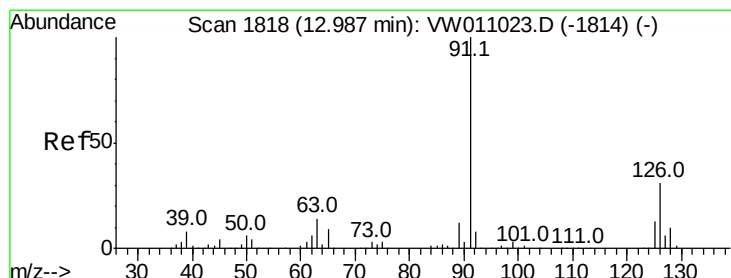
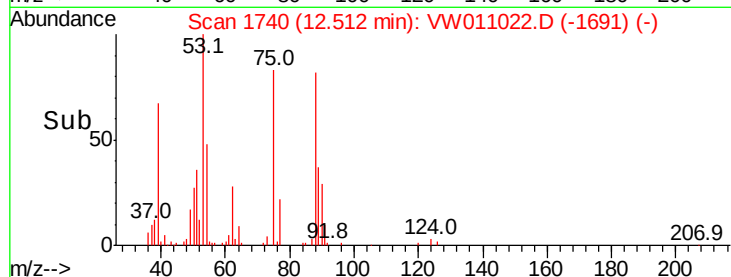
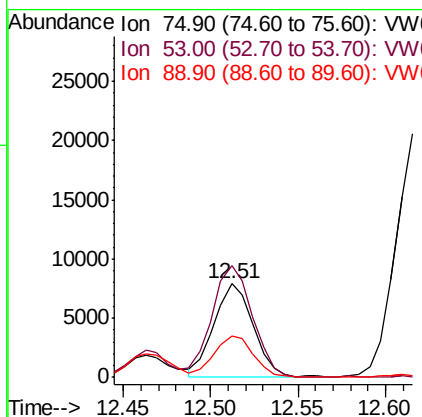
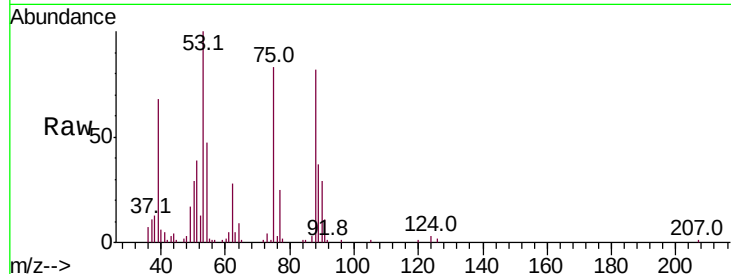
#81
trans-1,4-Dichloro-2-butene
Concen: 17.040 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.3	95.6	143.4
89	45.7	34.4	51.6

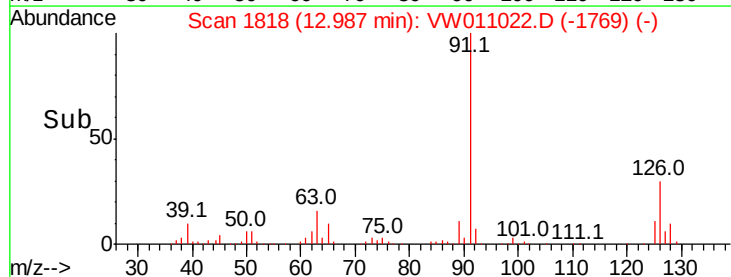
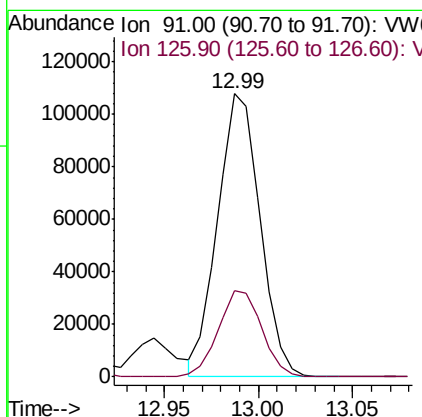
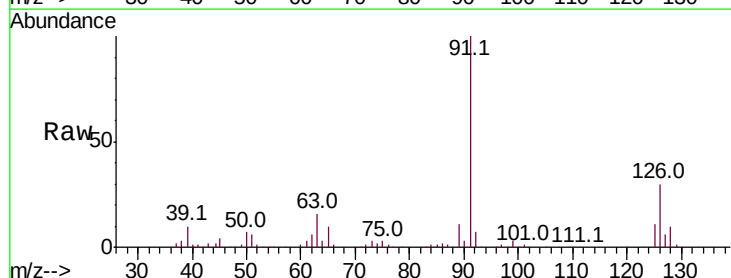
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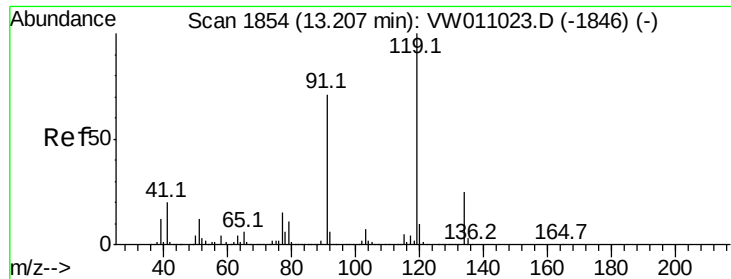
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#82
4-Chlorotoluene
Concen: 20.153 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1





#83

tert-Butylbenzene

Concen: 19.948 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

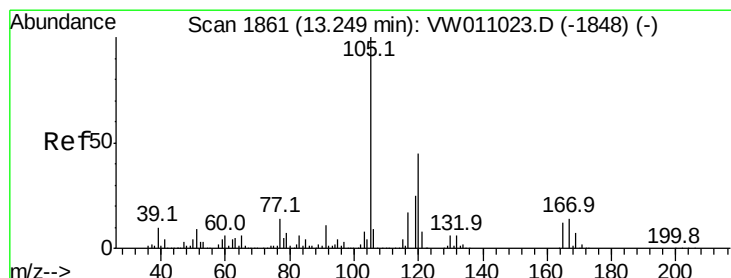
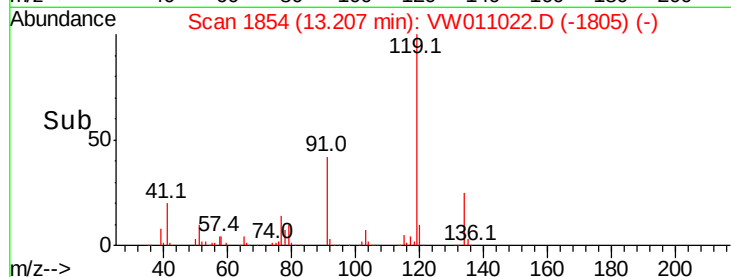
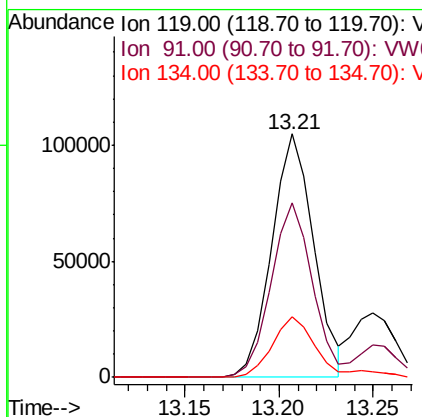
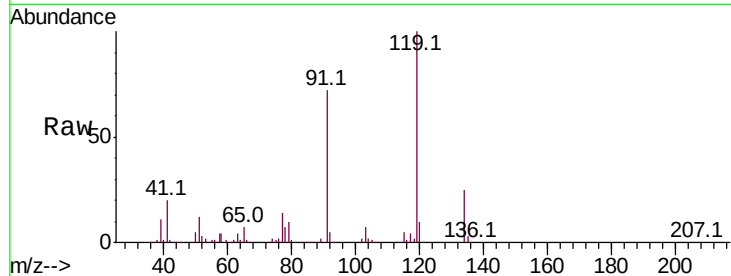
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	161908
Ion Ratio	Lower	Upper	
119	100		
91	71.4	35.5	106.5
134	25.0	12.4	37.2

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.512 ug/l

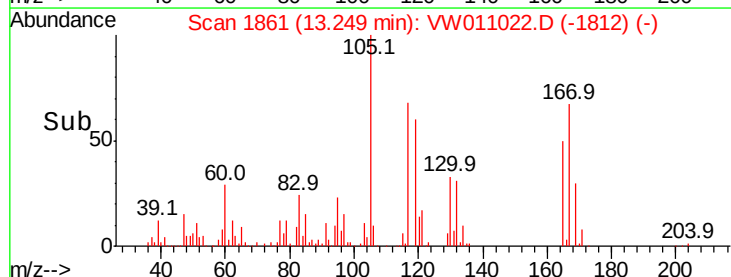
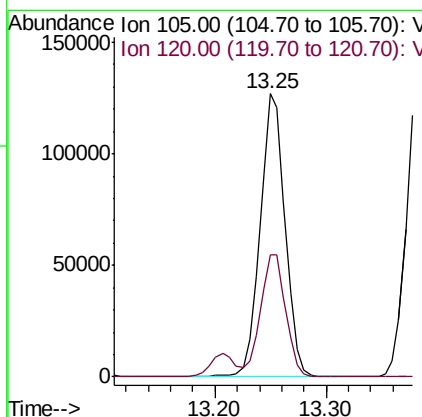
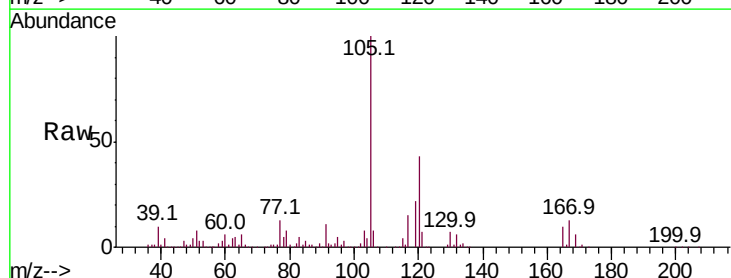
RT: 13.25 min Scan# 1861

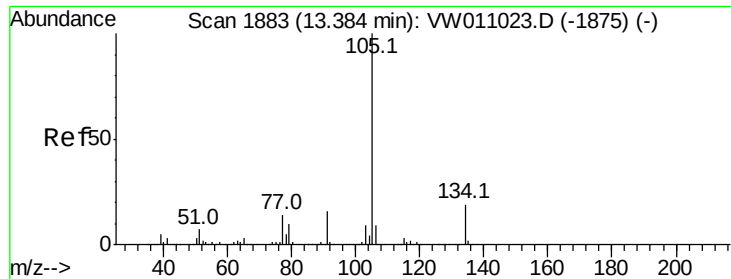
Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Tgt Ion:	105	Resp:	198252
Ion Ratio	Lower	Upper	
105	100		
120	43.5	22.4	67.2





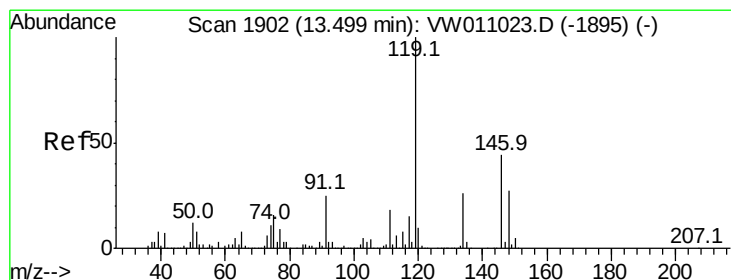
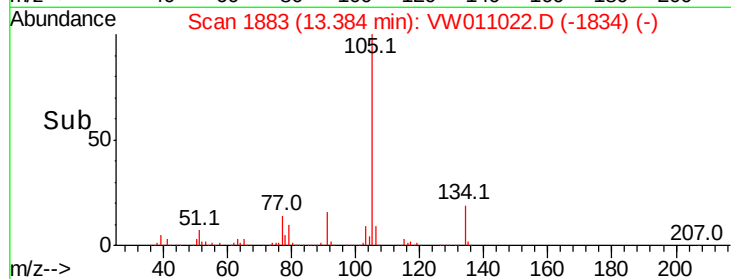
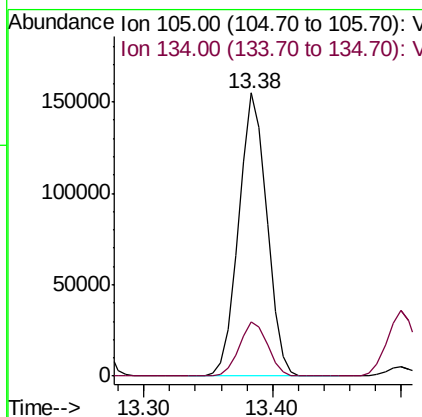
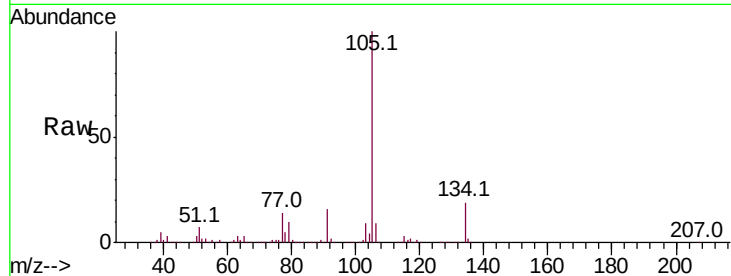
#85
 sec-Butylbenzene
 Concen: 19.853 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	234439		
134	19.2	9.6	28.8	

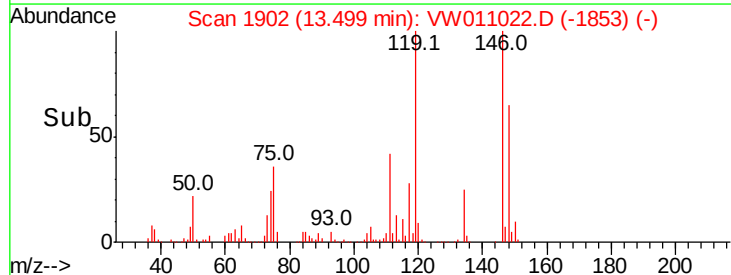
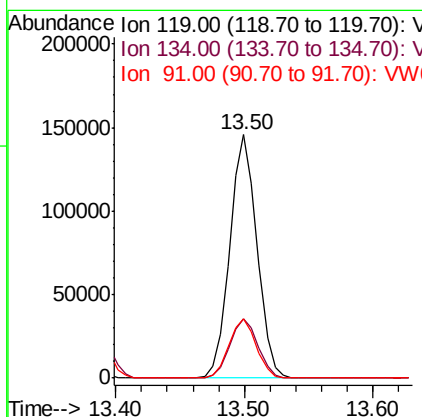
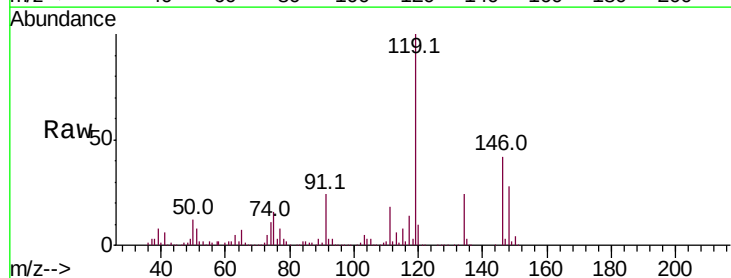
Manual Integrations
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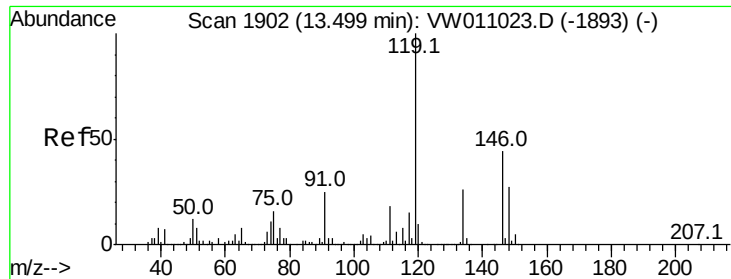
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#86
 p-Isopropyltoluene
 Concen: 20.237 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	213916		
134	25.3	12.9	38.7	
91	24.6	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 20.123 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

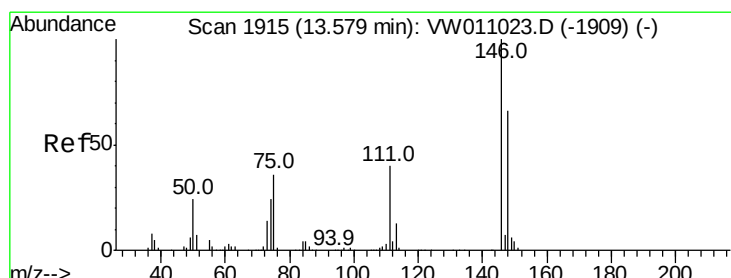
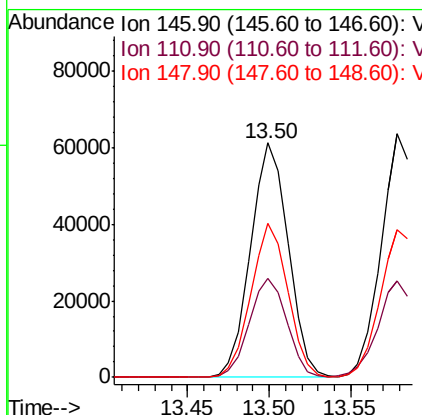
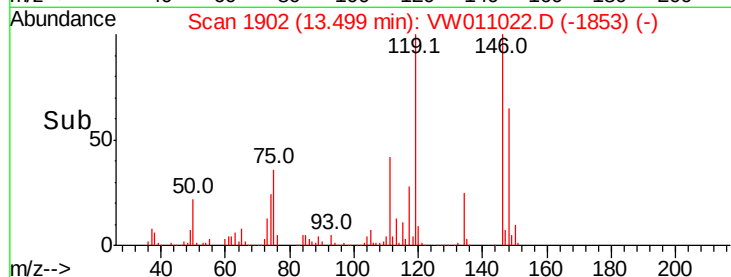
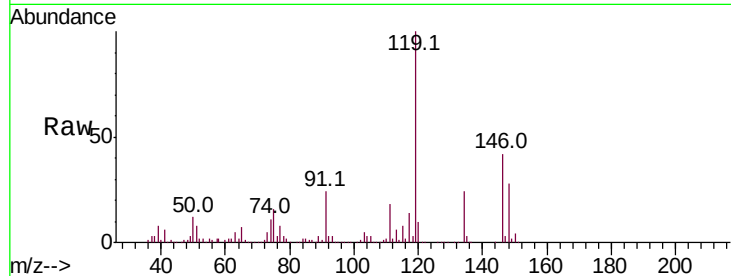
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.8
148	63.8	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 20.221 ug/l

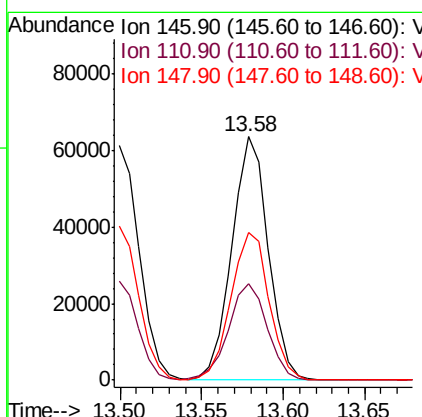
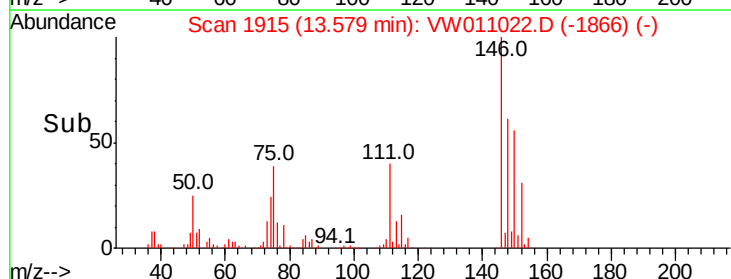
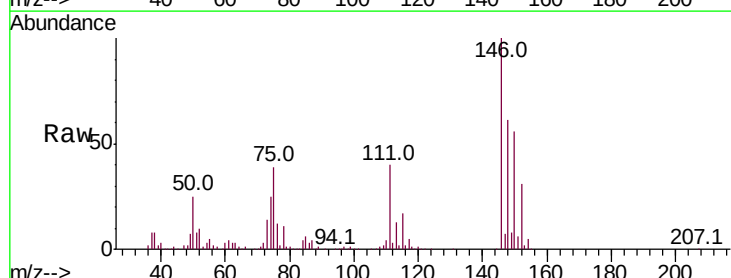
RT: 13.58 min Scan# 1915

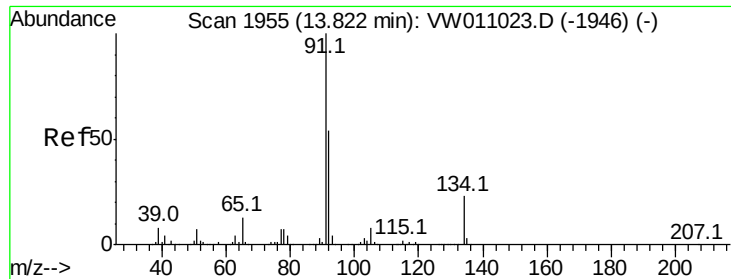
Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.6	61.9
148	63.6	32.4	97.2





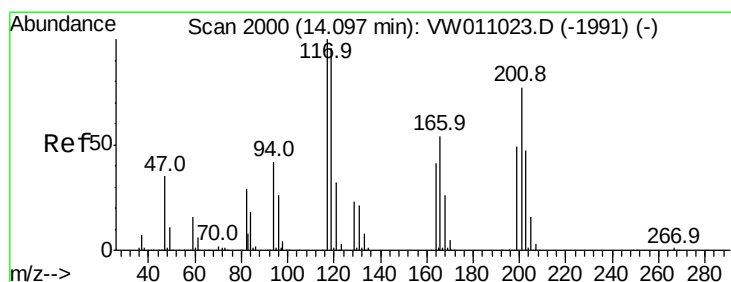
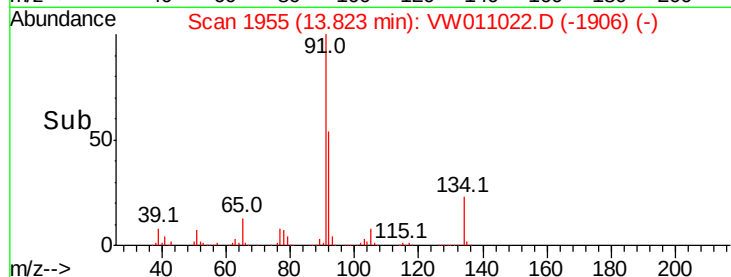
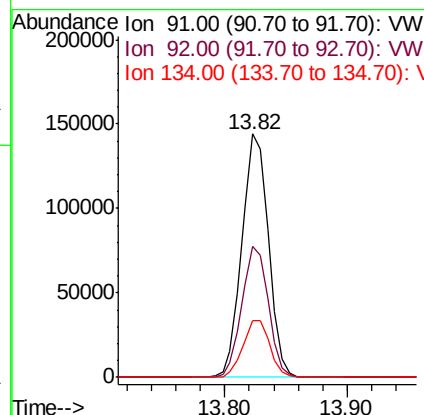
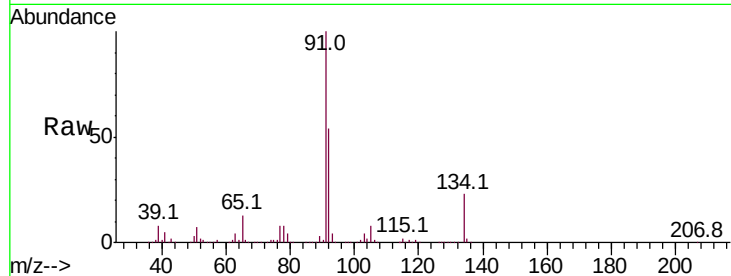
#89
n-Butylbenzene
Concen: 20.417 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	215939		
92	53.8		27.1	81.2
134	23.7		12.0	36.1

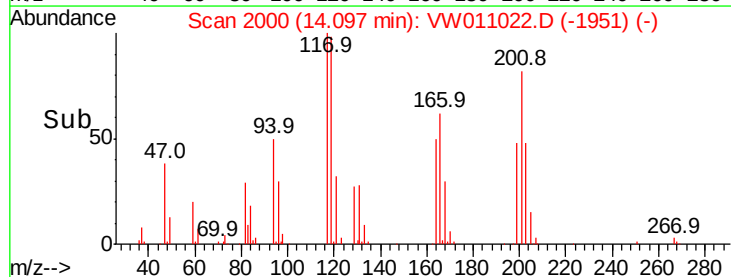
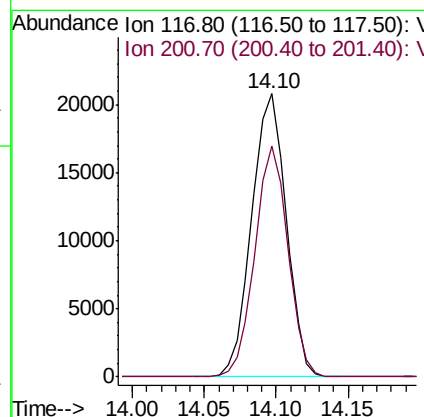
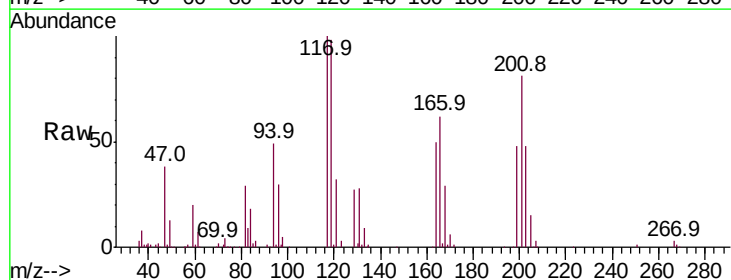
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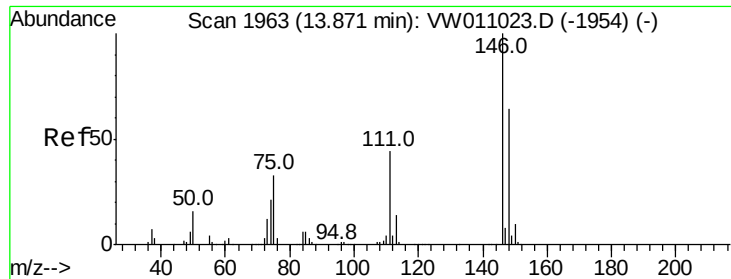
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#90
Hexachloroethane
Concen: 18.380 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34473		
201	78.1		38.0	114.0





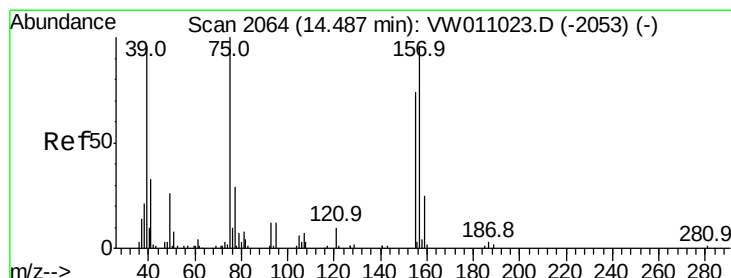
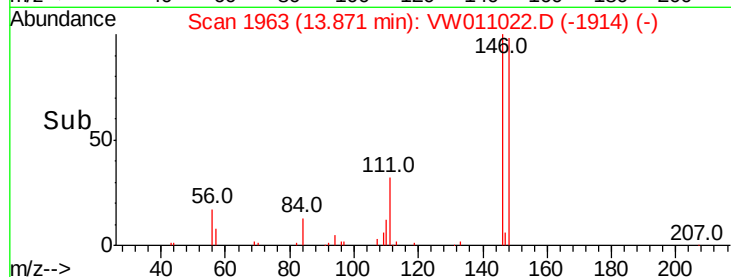
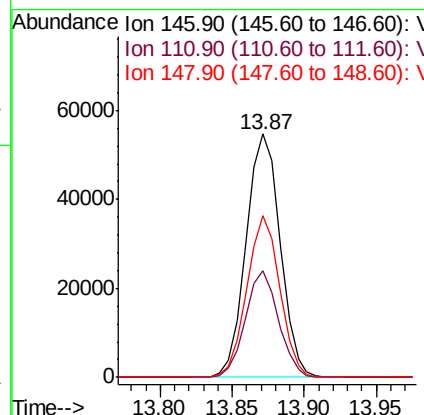
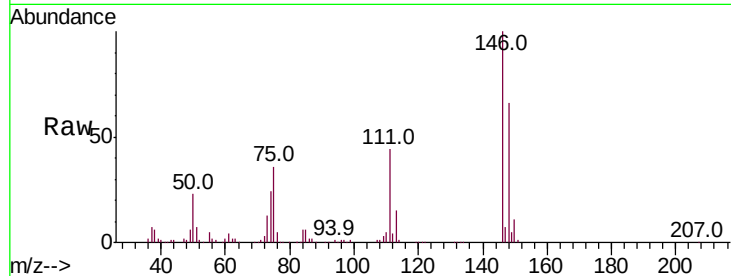
#91
 1,2-Dichlorobenzene
 Concen: 20.051 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	64.4	31.8	95.3

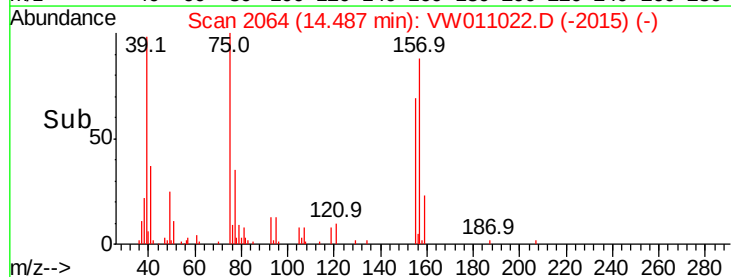
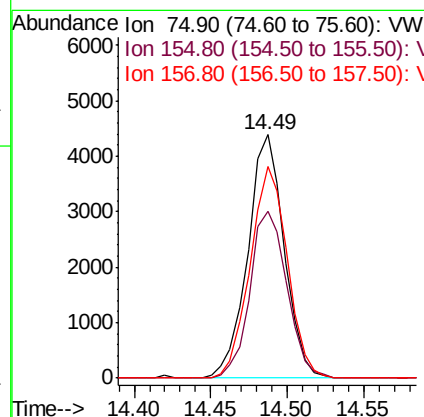
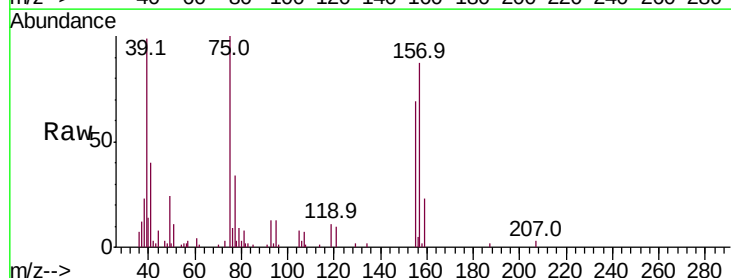
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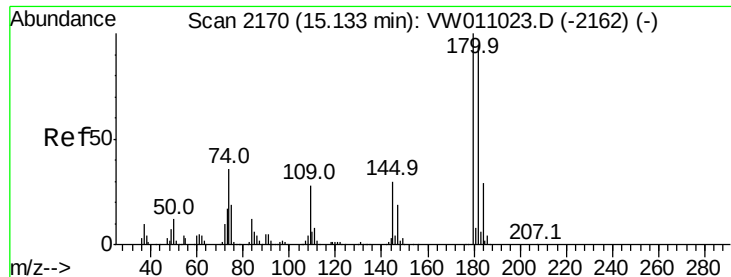
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.798 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.9	37.0	110.9
157	88.8	45.9	137.7





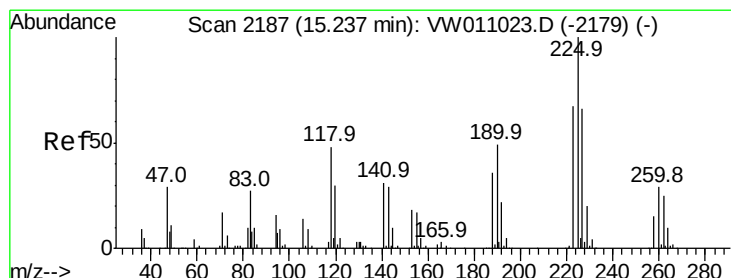
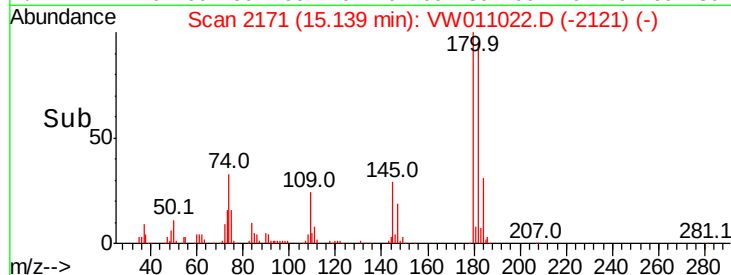
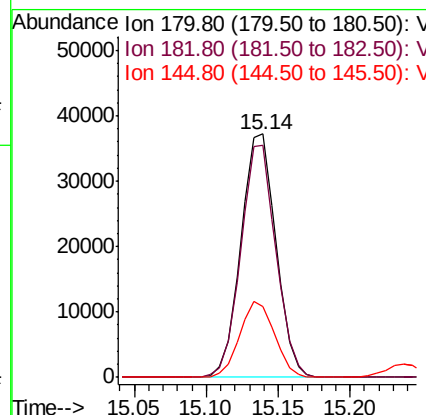
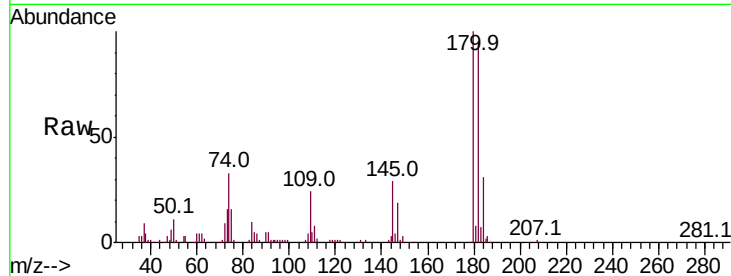
#93
1,2,4-Trichlorobenzene
Concen: 20.151 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	31.2	15.3	45.8

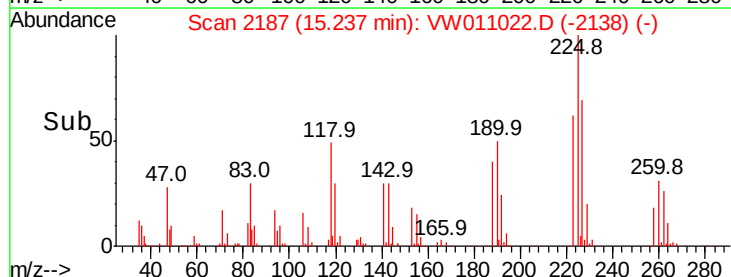
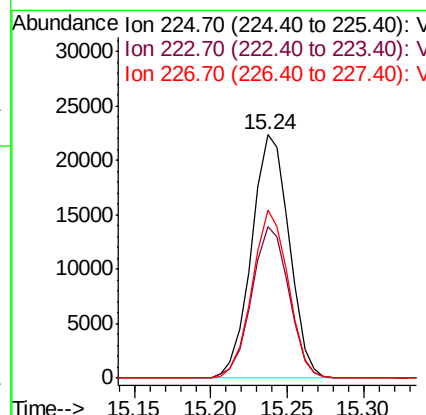
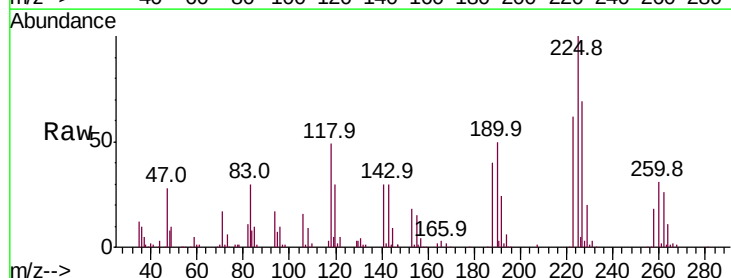
Manual Integrations
APPROVED

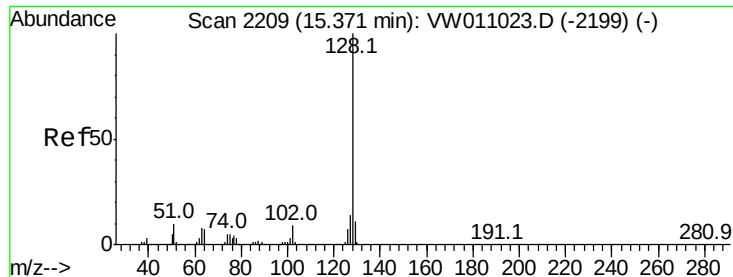
MMDadoda
6/28/2019 10:24:59 AM



#94
Hexachlorobutadiene
Concen: 19.672 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.9
227	66.5	31.9	95.9





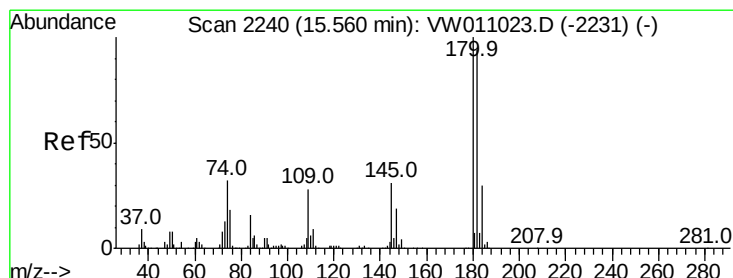
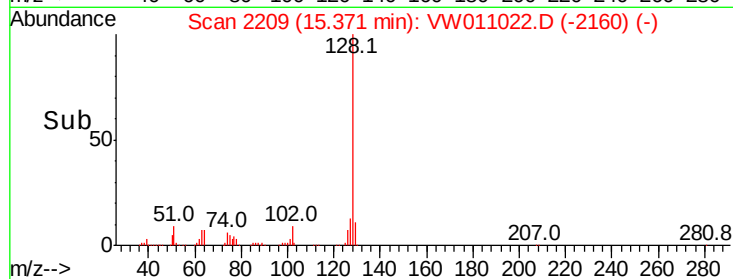
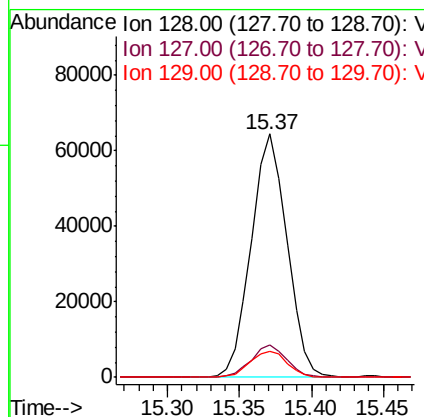
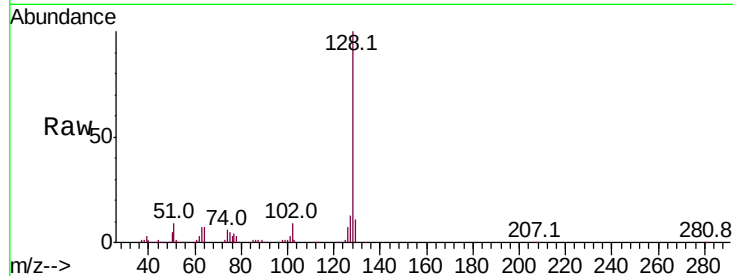
#95
Naphthalene
Concen: 19.432 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	111273
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.7	16.1
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/28/2019 10:24:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.468 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion:	180	Resp:	54571
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.7
145	32.6	16.1	48.2

