

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011020.D
 Acq On : 27 Jun 2019 15:01
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:24:49 AM

Quant Time: Jun 28 01:47:46 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	221514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162304	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	13572	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	
35) Dibromofluoromethane	7.88	113	10159	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	
50) Toluene-d8	10.32	98	40503	4.39	ug/l	0.00
Spiked Amount			Recovery	=	8.78%	
62) 4-Bromofluorobenzene	12.62	95	15246	4.54	ug/l	0.00
Spiked Amount			Recovery	=	9.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	7551	3.755	ug/l	98
3) Chloromethane	2.21	50	11766	4.052	ug/l	98
4) Vinyl Chloride	2.36	62	14685	5.202	ug/l	98
5) Bromomethane	2.77	94	7616	4.979	ug/l	97
6) Chloroethane	2.92	64	7159	4.323	ug/l	92
7) Trichlorofluoromethane	3.24	101	3902	1.225	ug/l	89
8) Diethyl Ether	3.68	74	6737	5.176	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11980	5.328	ug/l	96
10) Methyl Iodide	4.27	142	16125	7.476	ug/l	98
11) Tert butyl alcohol	5.17	59	6332	29.812	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	12411	5.626	ug/l	98
13) Acrolein	3.89	56	4324	42.506	ug/l	96
14) Allyl chloride	4.66	41	18896	4.084	ug/l	97
15) Acrylonitrile	5.36	53	16455	25.687	ug/l	97
16) Acetone	4.12	43	18700	26.676	ug/l	94
17) Carbon Disulfide	4.39	76	32123	4.644	ug/l	99
18) Methyl Acetate	4.67	43	10228	6.581	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	17399	3.011	ug/l	94
20) Methylene Chloride	4.92	84	16917	6.749	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	12575	5.127	ug/l	90
22) Diisopropyl ether	6.31	45	46611	4.899	ug/l	97
23) Vinyl Acetate	6.25	43	128857	22.261	ug/l	97
24) 1,1-Dichloroethane	6.21	63	25079	5.214	ug/l	99
25) 2-Butanone	7.17	43	27377	27.741	ug/l	98
26) 2,2-Dichloropropane	7.15	77	15646	4.288	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	13251	4.918	ug/l	88
28) Bromochloromethane	7.51	49	12108	5.499	ug/l	99
29) Tetrahydrofuran	7.53	42	16329	26.114	ug/l	98
30) Chloroform	7.67	83	23112	5.256	ug/l	92
31) Cyclohexane	7.95	56	30941	5.816	ug/l #	78
32) 1,1,1-Trichloroethane	7.87	97	17035	4.546	ug/l	98
36) 1,1-Dichloropropene	8.08	75	19172	4.973	ug/l	99
37) Ethyl Acetate	7.25	43	10710	4.942	ug/l #	94
38) Carbon Tetrachloride	8.07	117	15337	4.653	ug/l	93

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	23290	4.790	ug/l	94
40) Benzene	8.32	78	53359	5.063	ug/l	100
41) Methacrylonitrile	7.49	41	7182	5.549	ug/l	97
42) 1,2-Dichloroethane	8.40	62	17810	5.305	ug/l	100
43) Isopropyl Acetate	8.43	43	20423	4.912	ug/l	98
44) Trichloroethene	9.09	130	13019	5.027	ug/l	90
45) 1,2-Dichloropropane	9.37	63	14520	5.193	ug/l	100
46) Dibromomethane	9.46	93	6735	5.174	ug/l	97
47) Bromodichloromethane	9.64	83	15546	4.648	ug/l	93
48) Methyl methacrylate	9.43	41	9751	4.863	ug/l	96
49) 1,4-Dioxane	9.44	88	2289	109.137	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	54539	25.479	ug/l	100
52) Toluene	10.39	92	31743	4.902	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	15242	4.306	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	18527	4.436	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	9399	5.019	ug/l	92
56) Ethyl methacrylate	10.65	69	12845	4.478	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18261	5.178	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	34228	22.908	ug/l	98
59) 2-Hexanone	10.97	43	36001	23.396	ug/l	98
60) Dibromochloromethane	11.13	129	9177	4.475	ug/l	94
61) 1,2-Dibromoethane	11.23	107	8977	5.078	ug/l	96
64) Tetrachloroethene	10.86	164	10945	4.966	ug/l	98
65) Chlorobenzene	11.66	112	32870	5.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	10672	4.741	ug/l	97
67) Ethyl Benzene	11.73	91	61074	4.858	ug/l	100
68) m/p-Xylenes	11.84	106	44074	9.762	ug/l	99
69) o-Xylene	12.17	106	19914	4.664	ug/l	96
70) Styrene	12.18	104	34225	4.611	ug/l	99
71) Bromoform	12.35	173	4791	4.130	ug/l #	100
73) Isopropylbenzene	12.46	105	56488	4.647	ug/l	99
74) N-amyl acetate	12.27	43	17765	4.455	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	11533	4.945	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	8121m	4.746	ug/l	
77) Bromobenzene	12.75	156	12788	4.823	ug/l	100
78) n-propylbenzene	12.80	91	70279	4.768	ug/l	98
79) 2-Chlorotoluene	12.89	91	40606	4.823	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	48436	4.831	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2723	3.687	ug/l #	80
82) 4-Chlorotoluene	12.99	91	42801	4.918	ug/l	99
83) tert-Butylbenzene	13.21	119	40380	4.766	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	48486	4.806	ug/l	100
85) sec-Butylbenzene	13.38	105	59046	4.791	ug/l	99
86) p-Isopropyltoluene	13.50	119	51976	4.711	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	25708	5.008	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	26521	5.197	ug/l	96
89) n-Butylbenzene	13.82	91	52964	4.798	ug/l	100
90) Hexachloroethane	14.10	117	8439	4.311	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	23438	5.054	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1955	4.856	ug/l	89

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MSVOA_W
ClientSampleId :
VSTDICC005

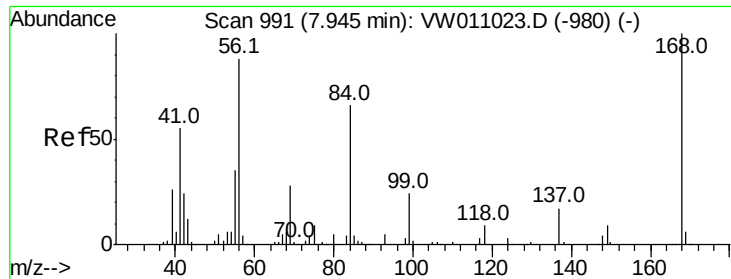
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	15607	4.799	ug/l	100
94) Hexachlorobutadiene	15.24	225	9934	4.900	ug/l	99
95) Naphthalene	15.37	128	27507	4.602	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	14806	5.321	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 221514

Ion Ratio Lower Upper

168 100

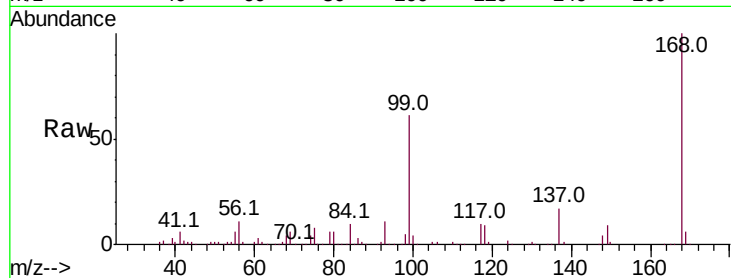
99 60.7 47.8 71.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

0

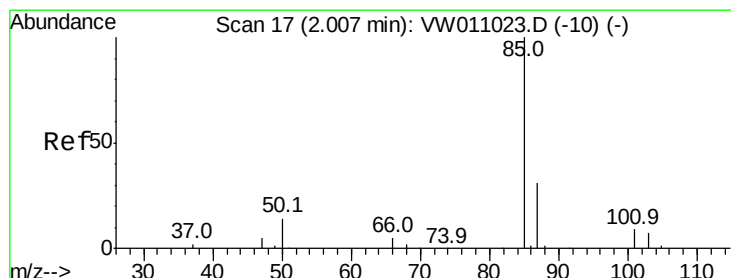
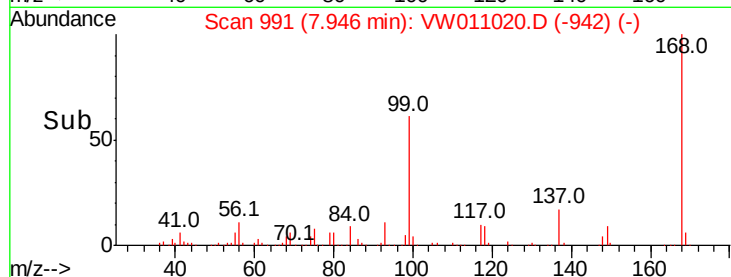
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 3.755 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011020.D

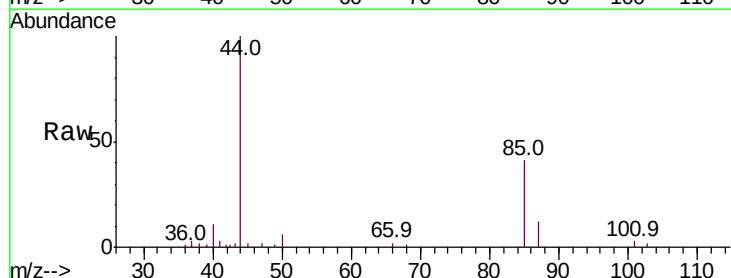
Acq: 27 Jun 2019 15:01

Tgt Ion: 85 Resp: 7551

Ion Ratio Lower Upper

85 100

87 30.2 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

3000

2500

2000

1500

1000

500

0

1.90

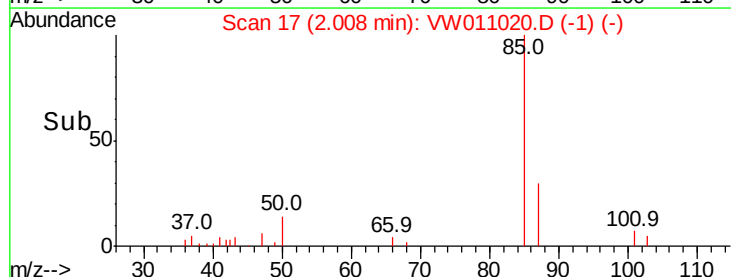
1.95

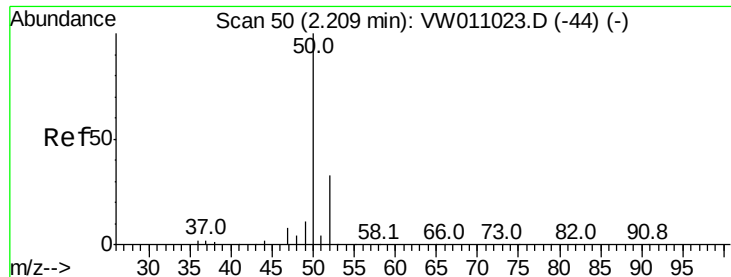
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 4.052 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11766

Ion Ratio Lower Upper

50 100

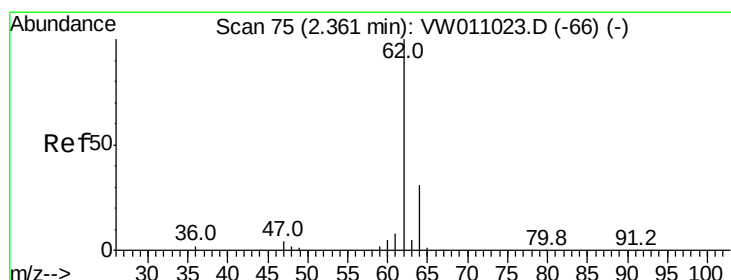
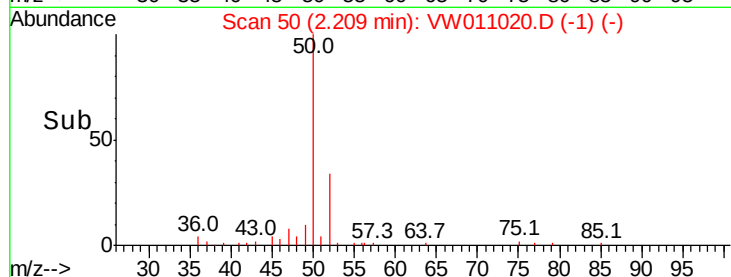
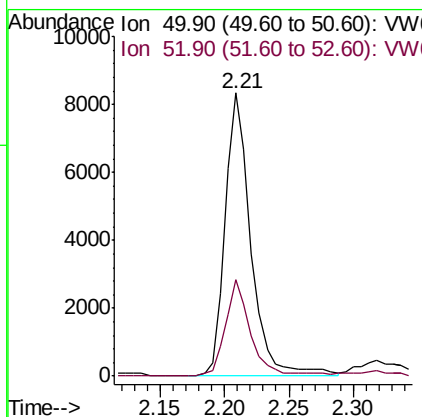
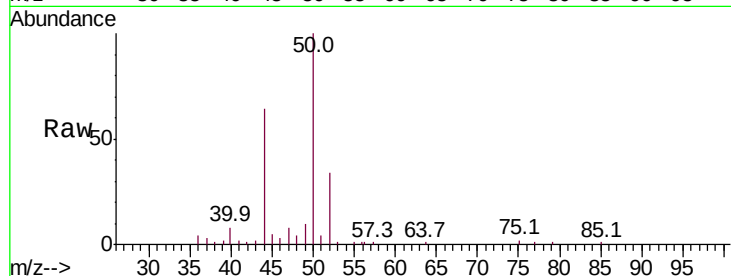
52 34.2 26.6 40.0

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#4

Vinyl Chloride

Concen: 5.202 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011020.D

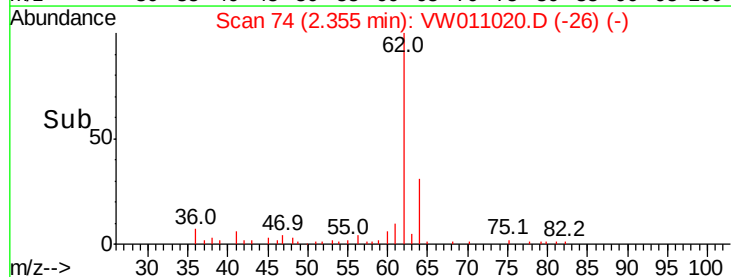
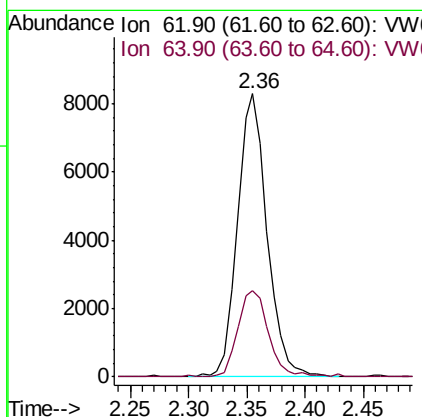
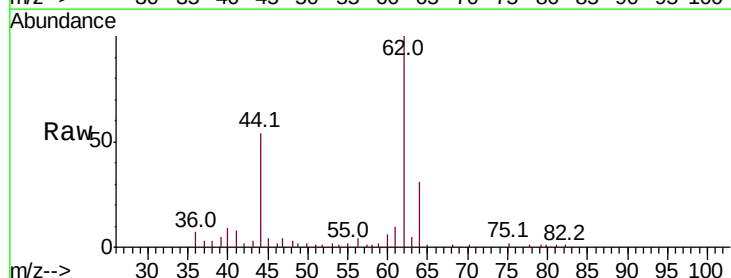
Acq: 27 Jun 2019 15:01

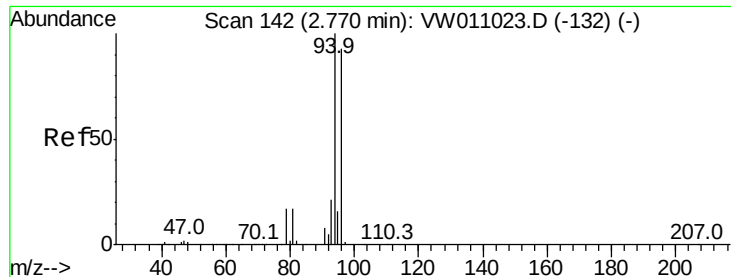
Tgt Ion: 62 Resp: 14685

Ion Ratio Lower Upper

62 100

64 30.0 24.8 37.2





#5

Bromomethane

Concen: 4.979 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7616

Ion Ratio Lower Upper

94 100

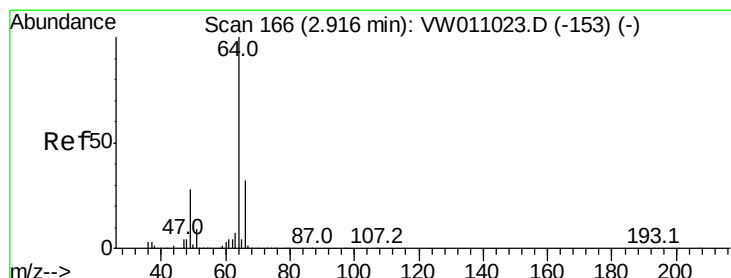
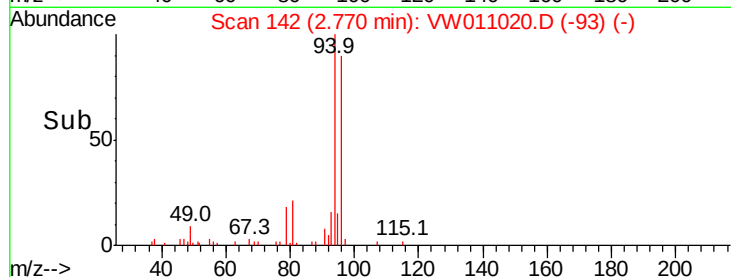
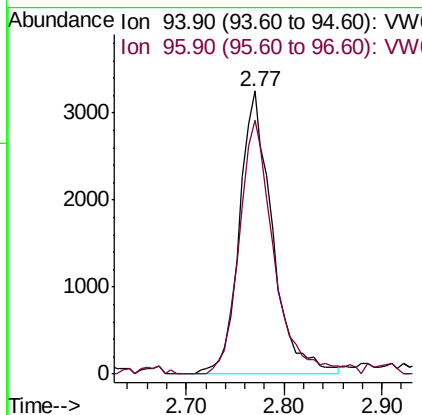
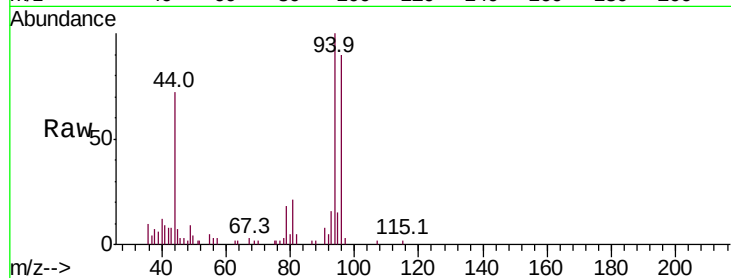
96 89.7 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 4.323 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011020.D

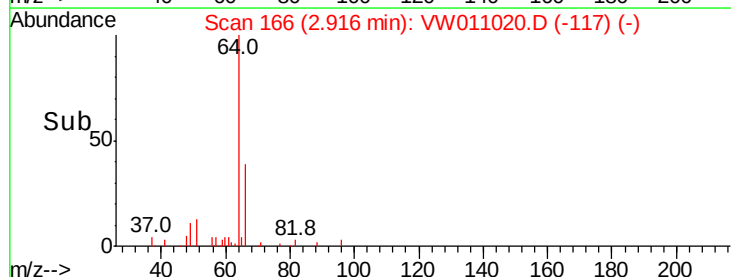
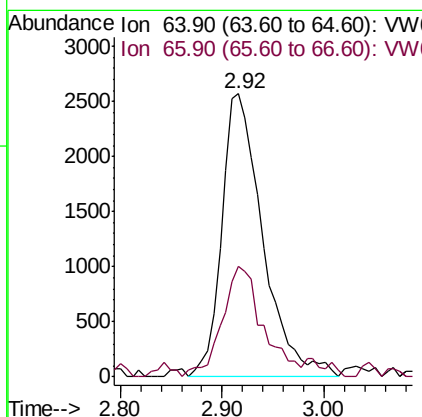
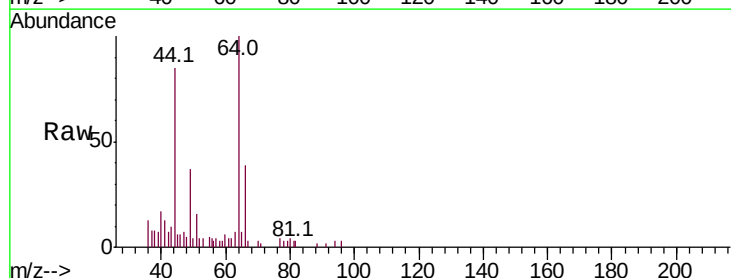
Acq: 27 Jun 2019 15:01

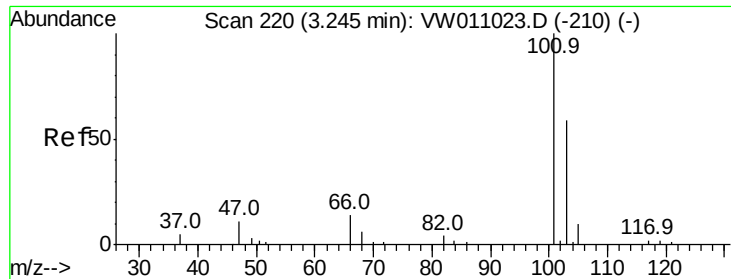
Tgt Ion: 64 Resp: 7159

Ion Ratio Lower Upper

64 100

66 36.7 25.7 38.5





#7

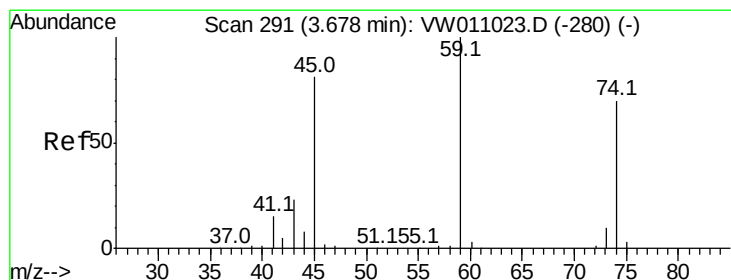
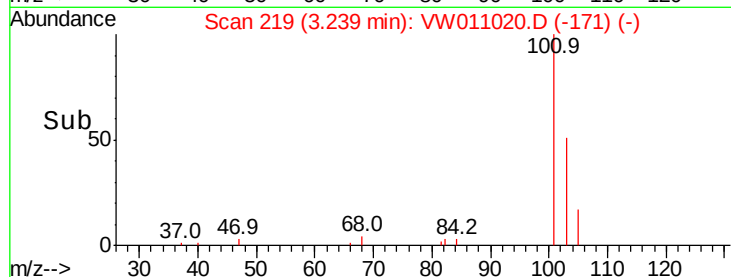
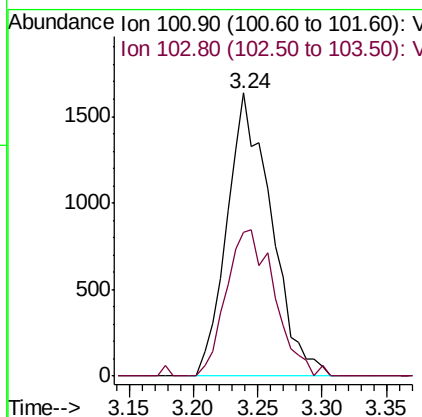
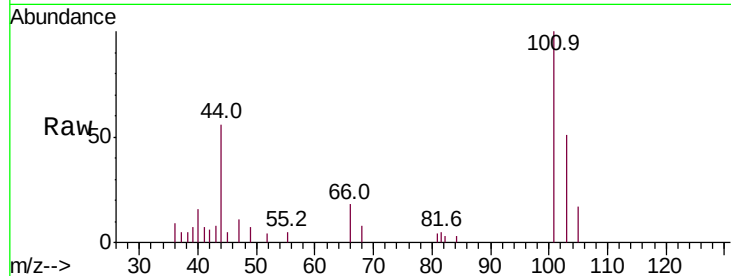
Trichlorofluoromethane
Concen: 1.225 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	50.9	47.5	71.3

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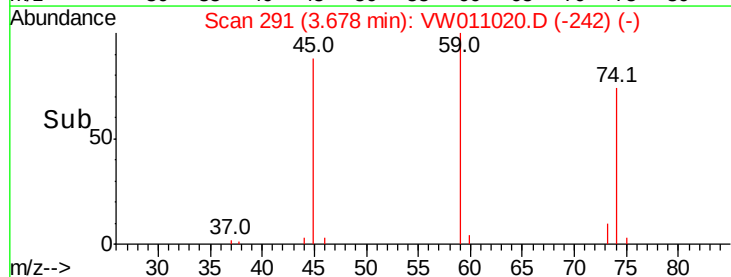
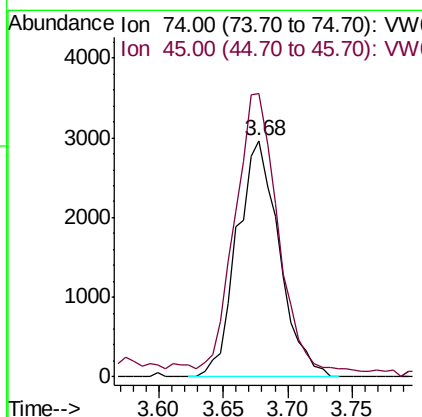
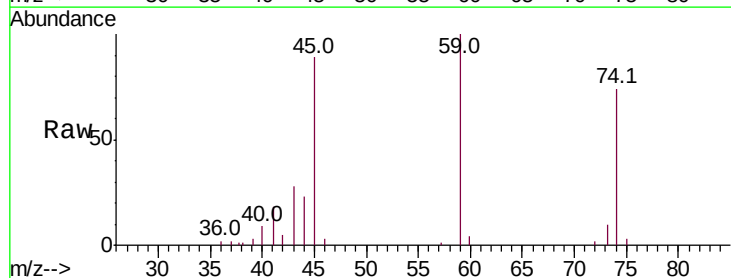
MMDadoda
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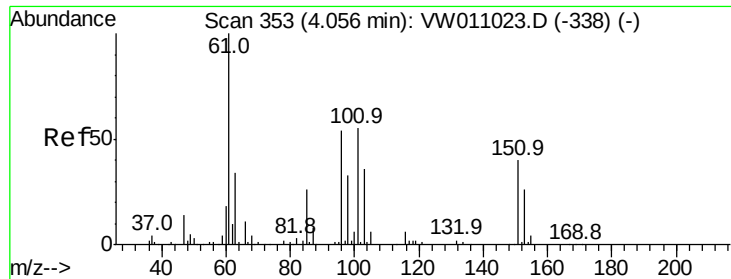


#8

Diethyl Ether
Concen: 5.176 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.6	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.328 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

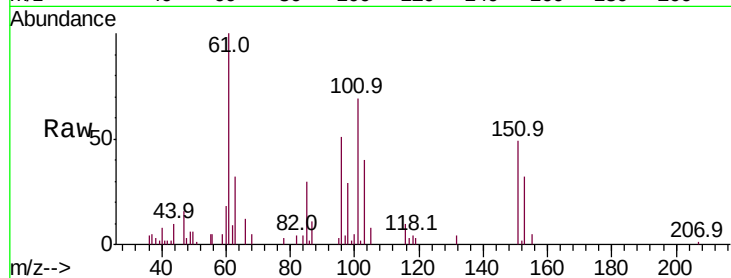
ClientSampleId :

VSTDIC005

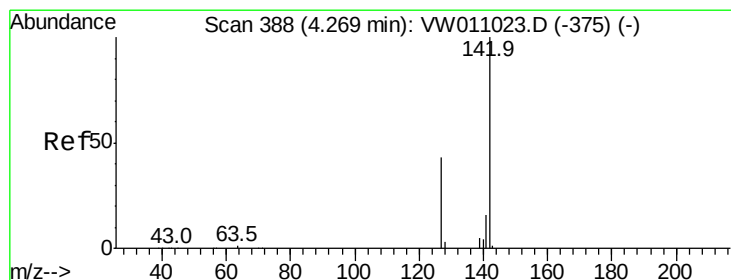
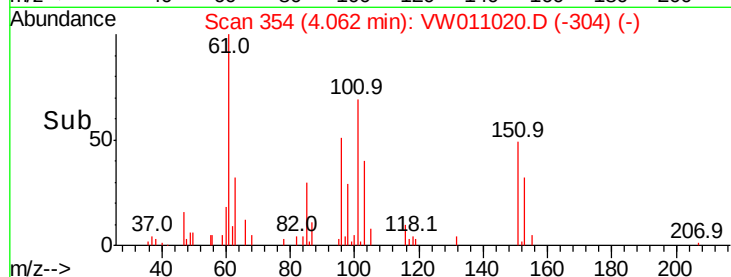
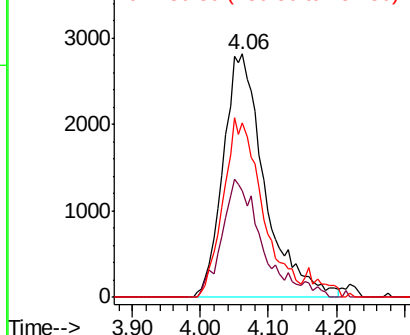
Tot Ion:	101	Resp:	11980
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	55.0
151	69.1	58.9	88.3

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



#10

Methyl Iodide

Concen: 7.476 ug/l

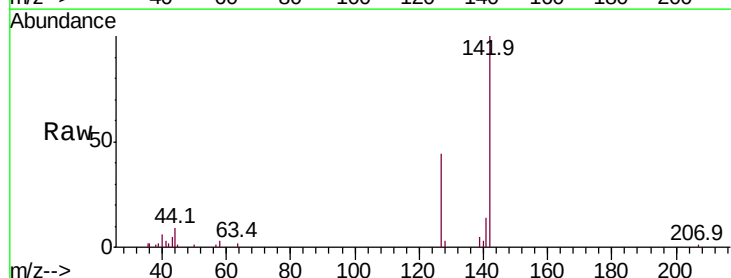
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

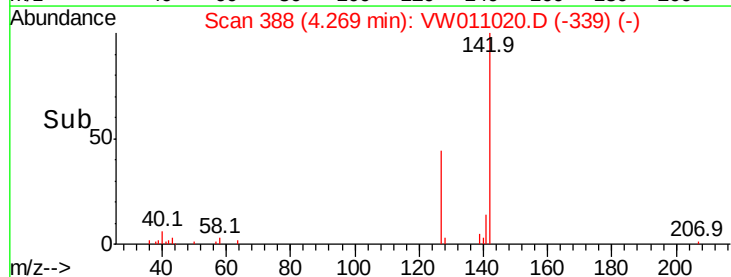
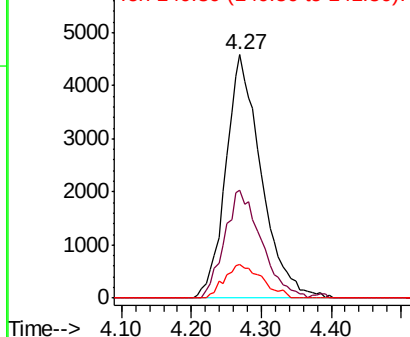
Lab File: VW011020.D

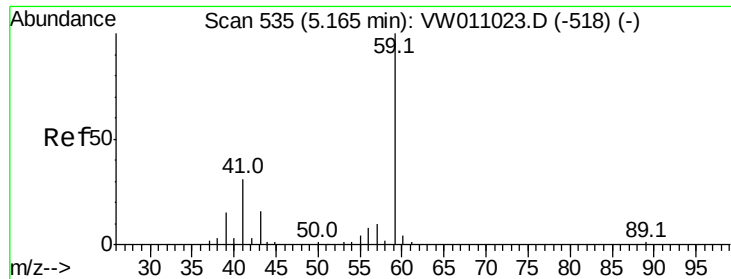
Acq: 27 Jun 2019 15:01

Tgt Ion:	142	Resp:	16125
Ion Ratio	Lower	Upper	
142	100		
127	45.8	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





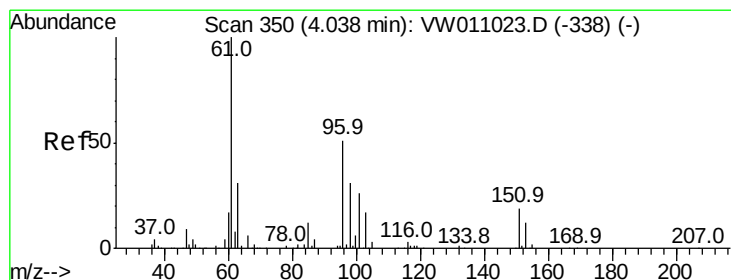
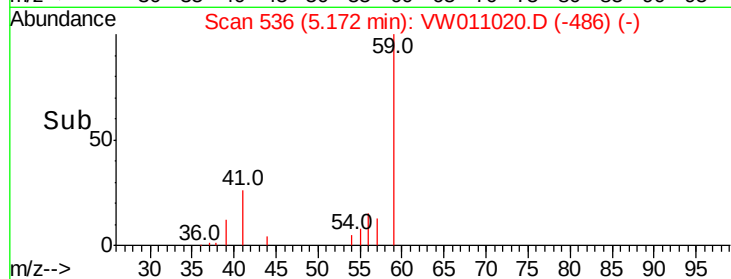
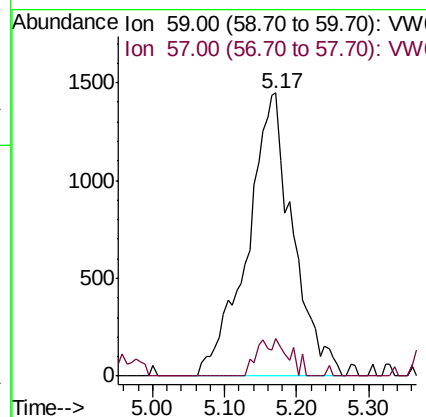
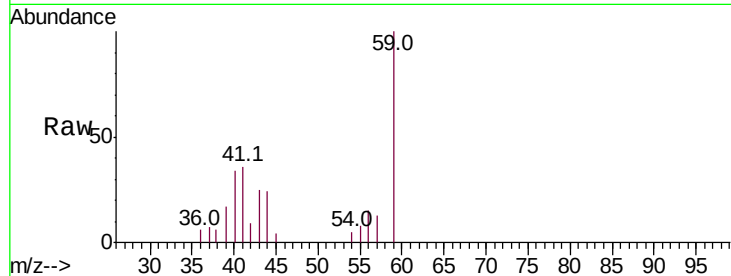
#11
Tert butyl alcohol
Concen: 29.812 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.5	9.0	13.4#

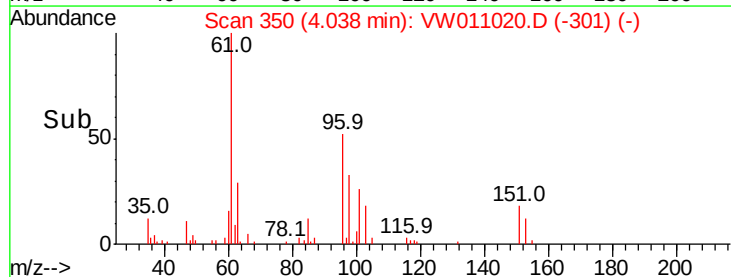
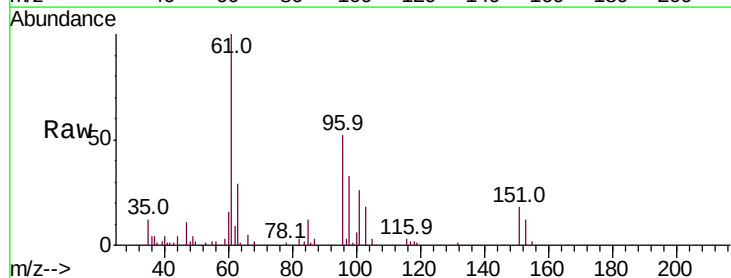
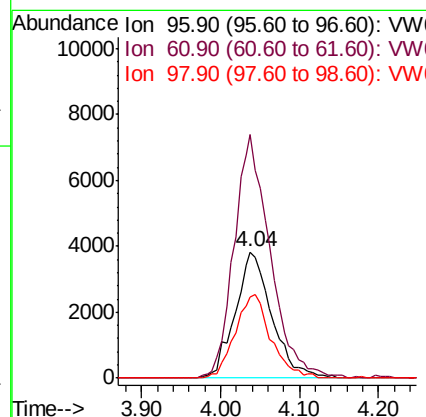
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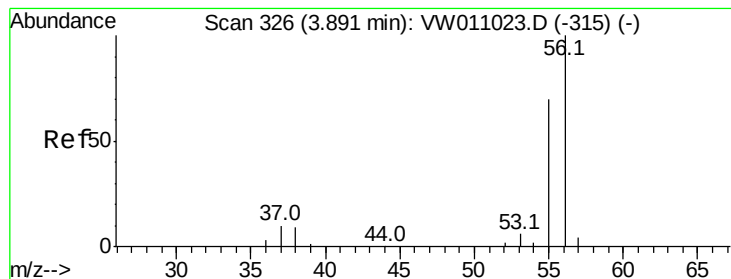
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.626 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.5	156.0	234.0
98	63.9	48.7	73.1





#13

Acrolein

Concen: 42.506 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4324

Ion Ratio Lower Upper

56 100

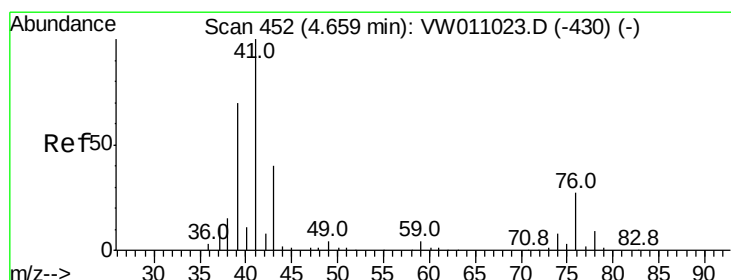
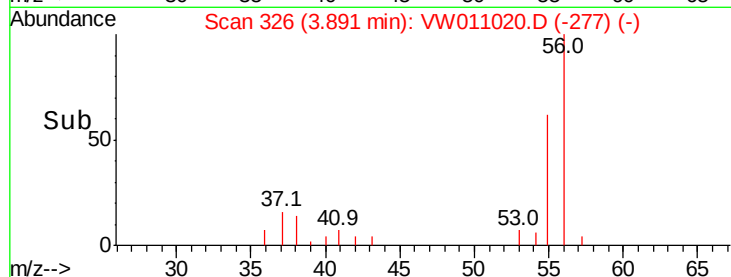
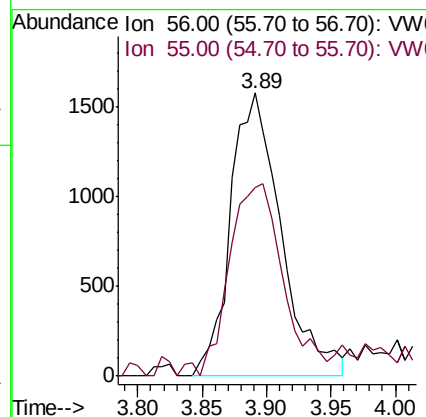
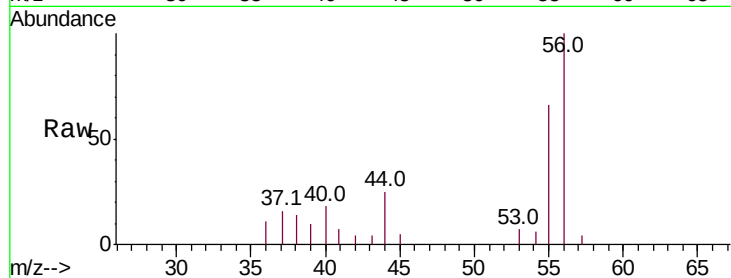
55 73.0 55.7 83.5

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#14

Allyl chloride

Concen: 4.084 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

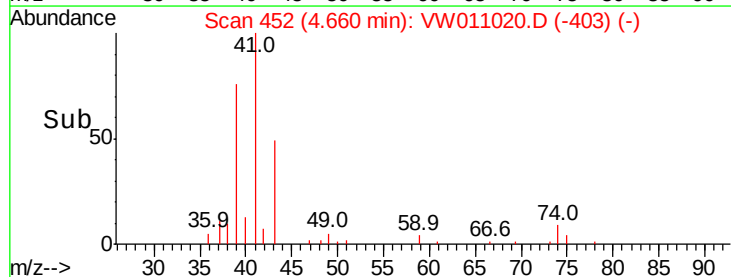
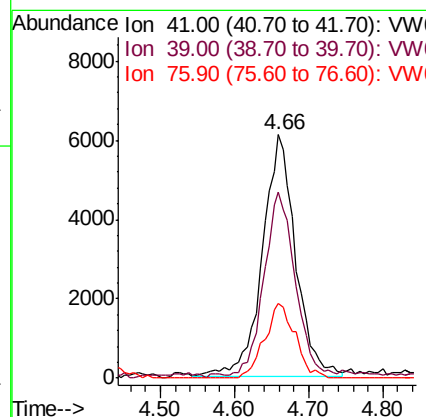
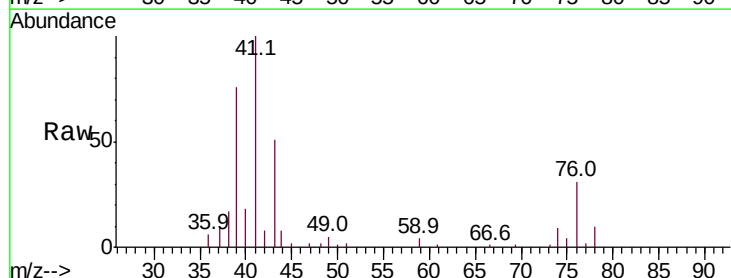
Tgt Ion: 41 Resp: 18896

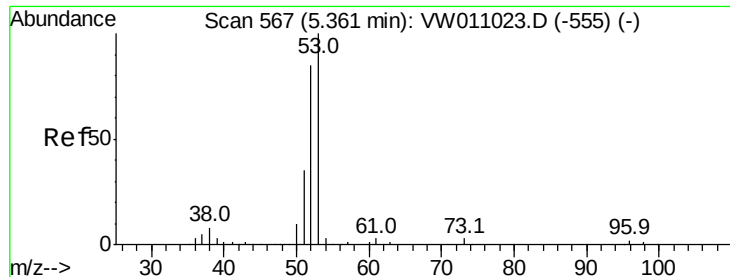
Ion Ratio Lower Upper

41 100

39 71.9 55.4 83.2

76 28.8 22.0 33.0





#15

Acrylonitrile

Concen: 25.687 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

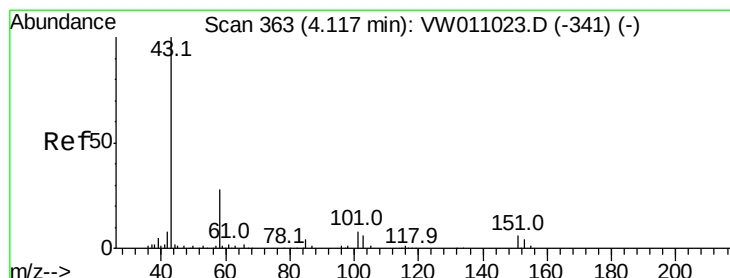
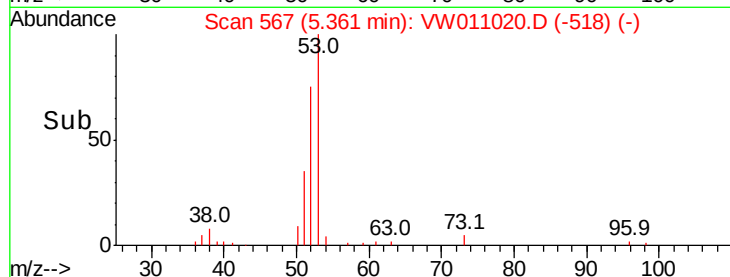
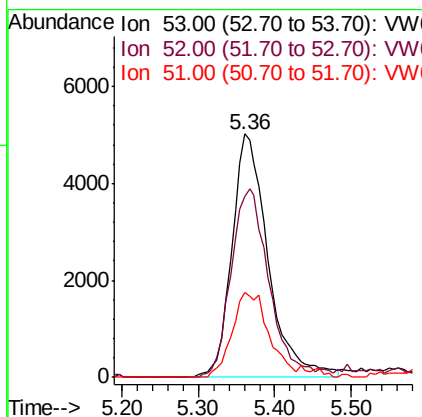
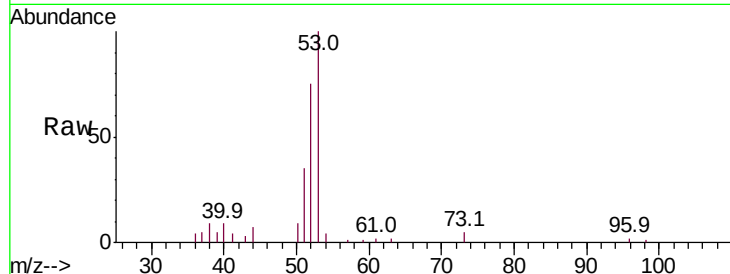
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	16455
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.3	99.5
51	35.1	29.8	44.6

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#16

Acetone

Concen: 26.676 ug/l

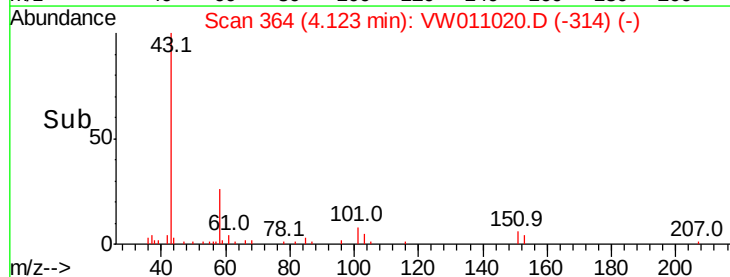
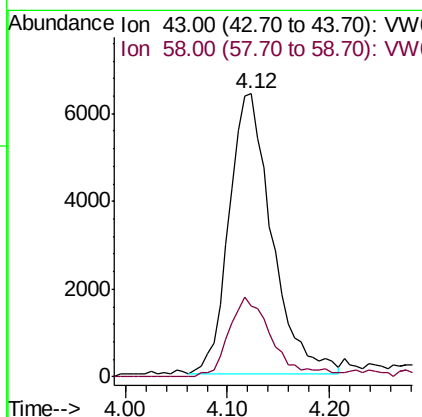
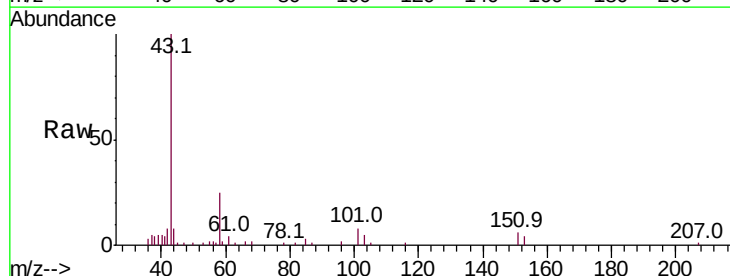
RT: 4.12 min Scan# 364

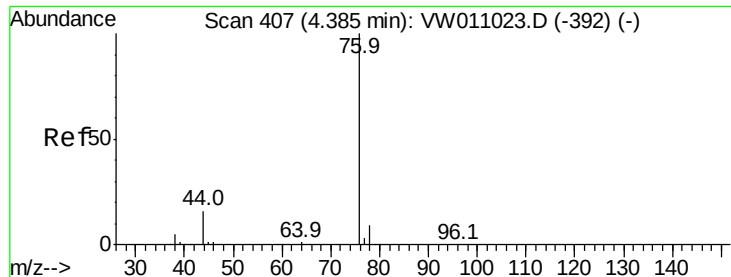
Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion:	43	Resp:	18700
Ion	Ratio	Lower	Upper
43	100		
58	25.2	22.5	33.7





#17

Carbon Disulfide

Concen: 4.644 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 32123

Ion Ratio Lower Upper

76 100

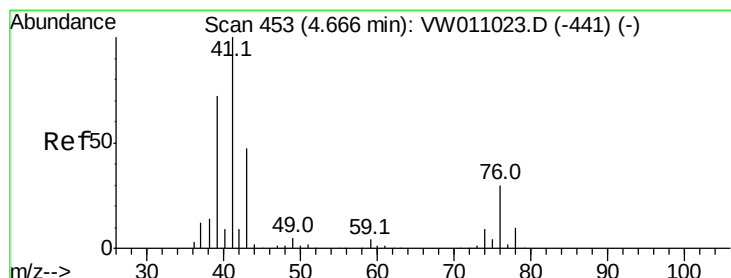
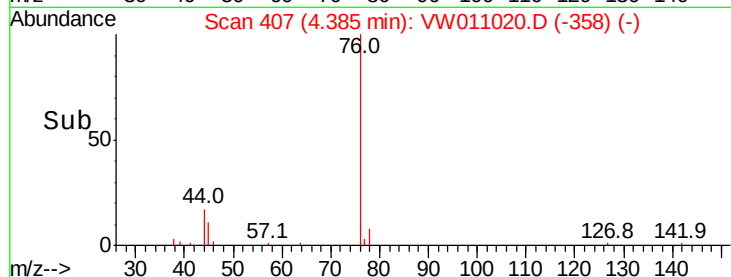
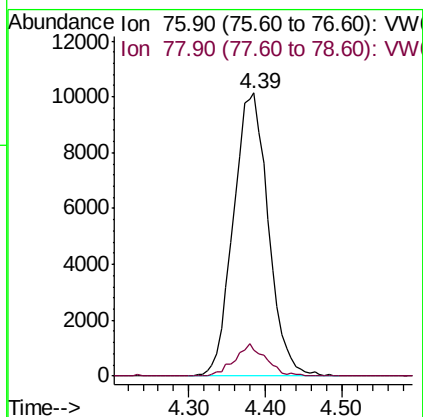
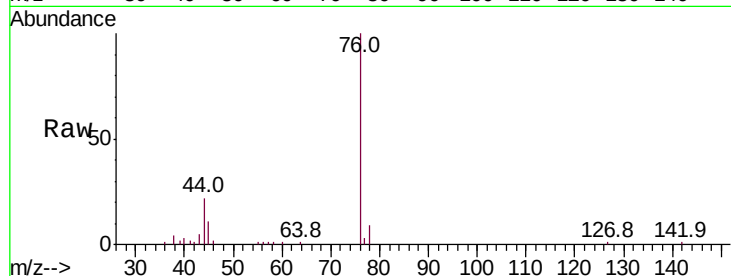
78 9.3 7.2 10.8

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#18

Methyl Acetate

Concen: 6.581 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011020.D

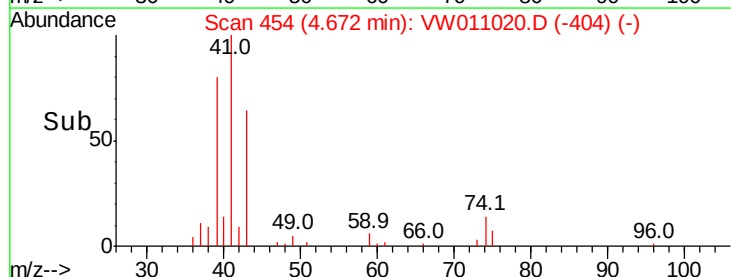
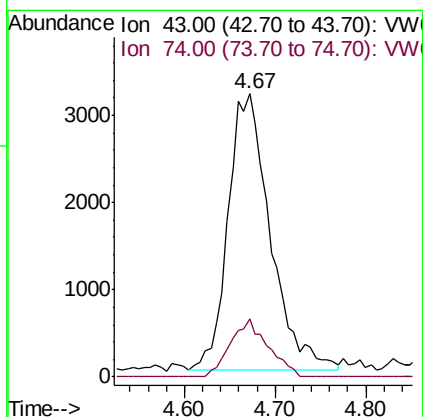
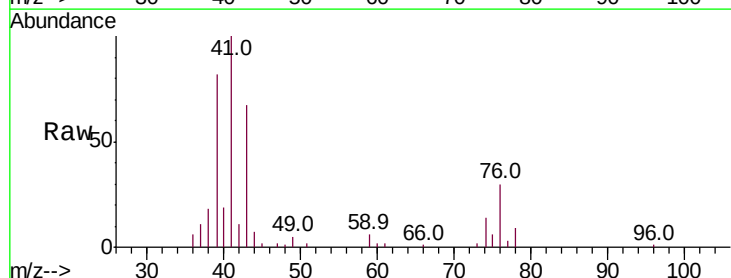
Acq: 27 Jun 2019 15:01

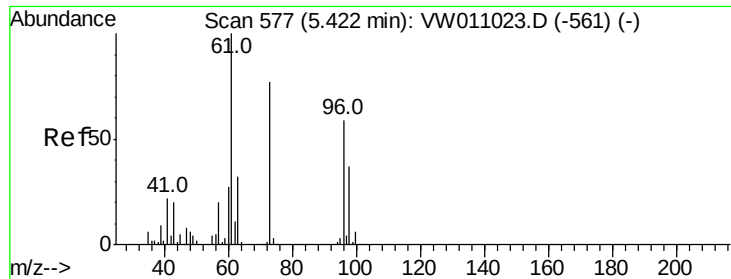
Tgt Ion: 43 Resp: 10228

Ion Ratio Lower Upper

43 100

74 18.7 15.8 23.8





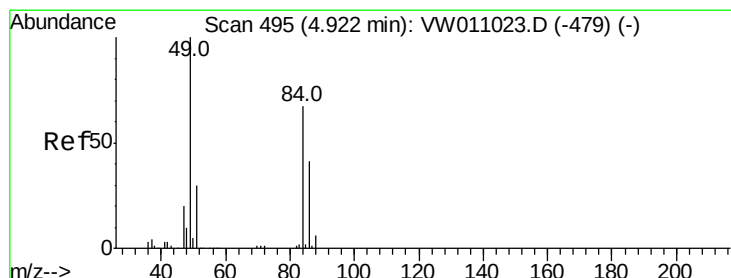
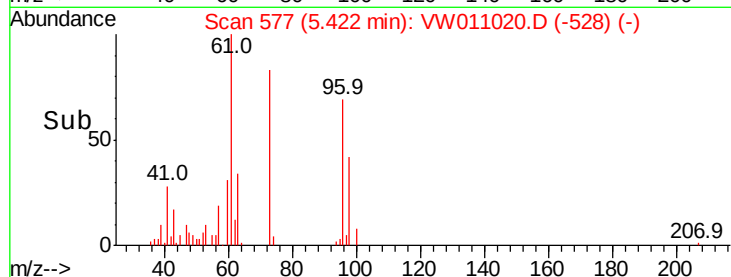
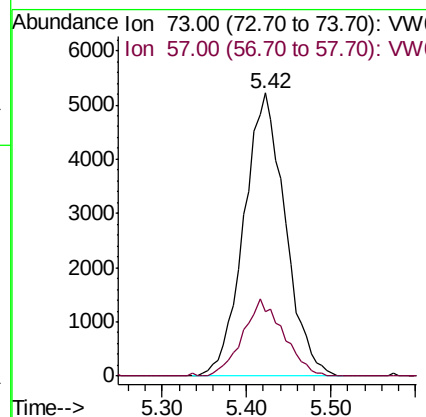
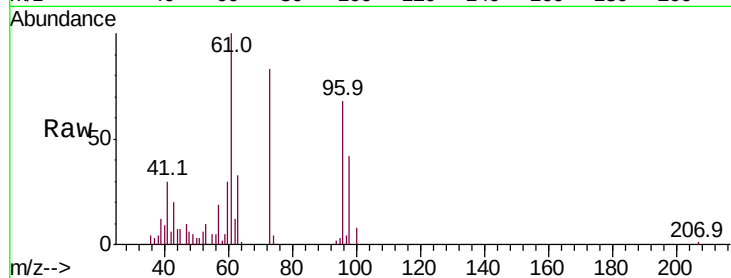
#19
Methvl tert-butvl Ether
Concen: 3.011 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 17399
Ion Ratio Lower Upper
73 100
57 22.7 20.8 31.2

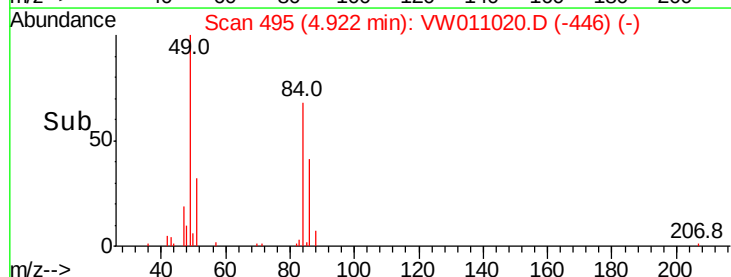
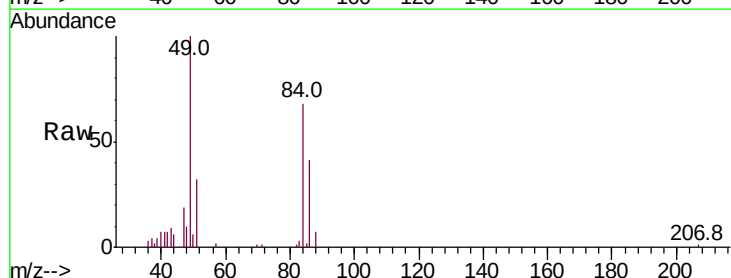
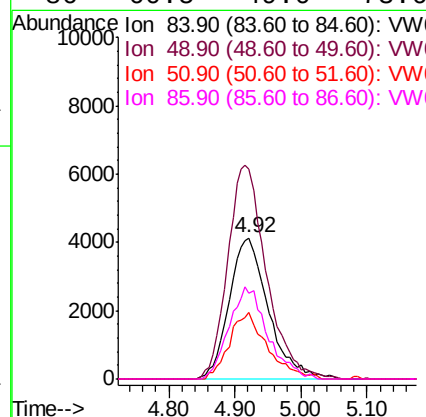
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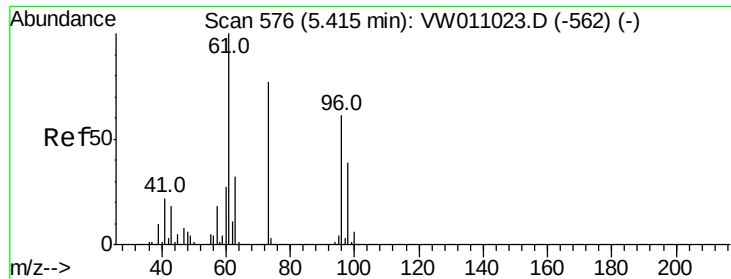
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#20
Methylene Chloride
Concen: 6.749 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion: 84 Resp: 16917
Ion Ratio Lower Upper
84 100
49 148.1 119.6 179.4
51 47.5 35.6 53.4
86 60.5 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 5.127 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

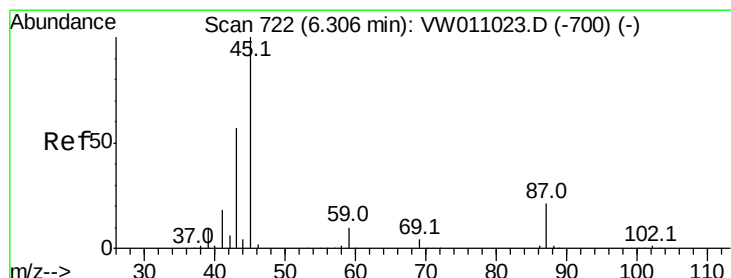
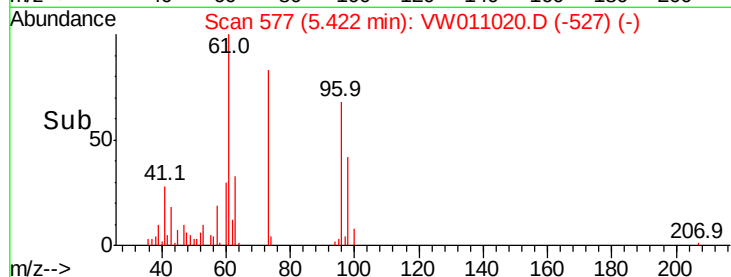
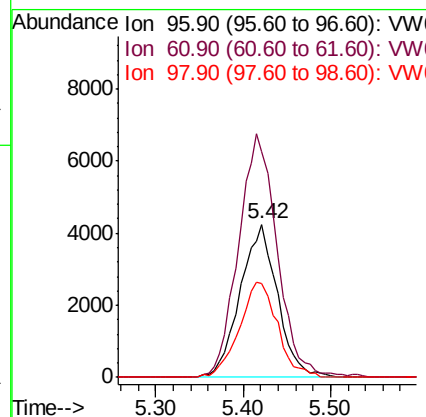
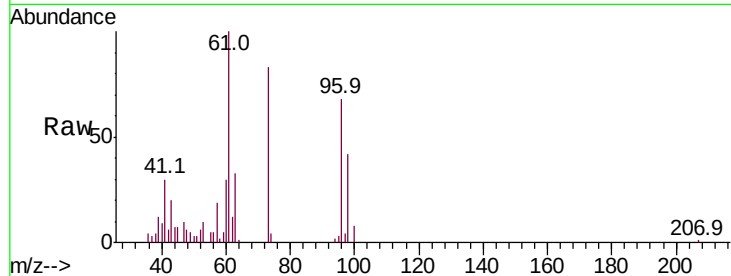
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	12575
Ion	Ratio	Lower	Upper
96	100		
61	147.3	131.0	196.4
98	61.3	50.8	76.2

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#22

Diisopropyl ether

Concen: 4.899 ug/l

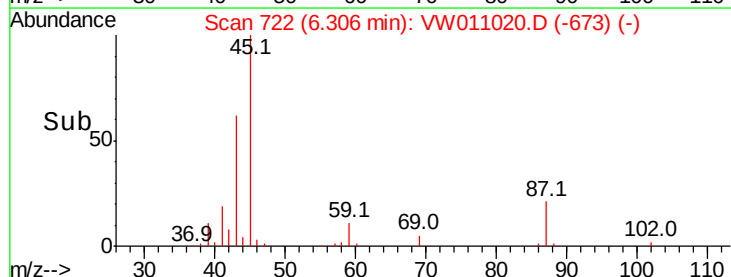
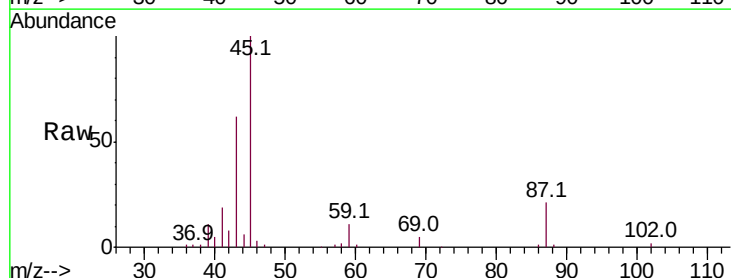
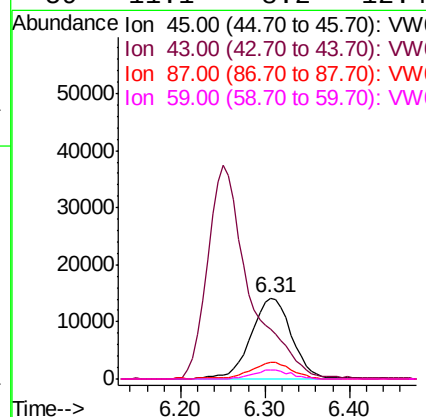
RT: 6.31 min Scan# 722

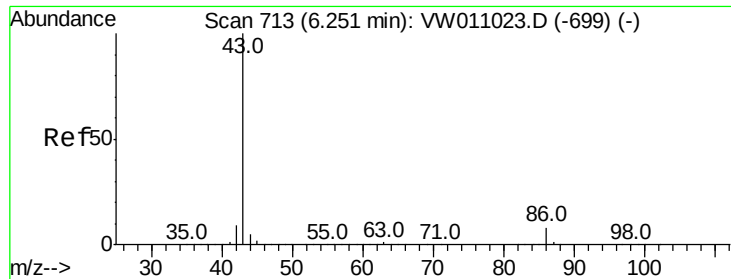
Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion:	45	Resp:	46611
Ion	Ratio	Lower	Upper
45	100		
43	60.1	45.8	68.6
87	21.4	17.1	25.7
59	11.1	8.2	12.4





#23

Vinyl Acetate

Concen: 22.261 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 128857

Ion Ratio Lower Upper

43 100

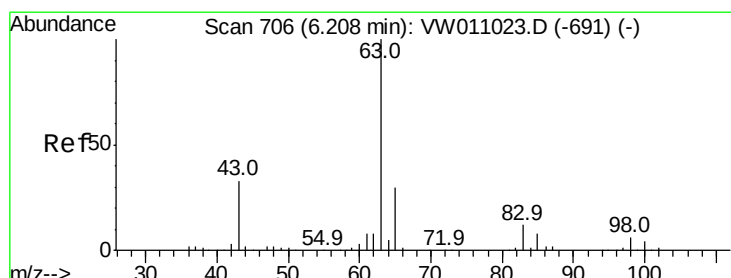
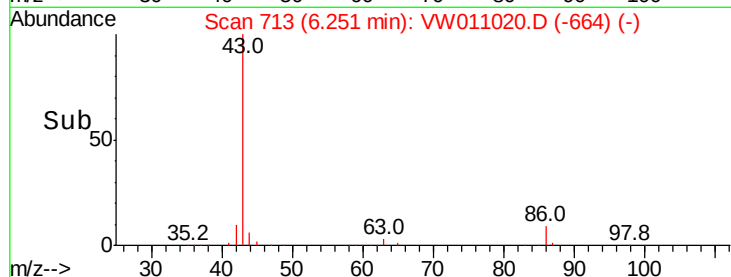
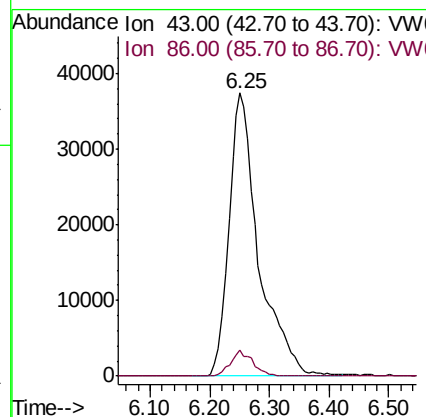
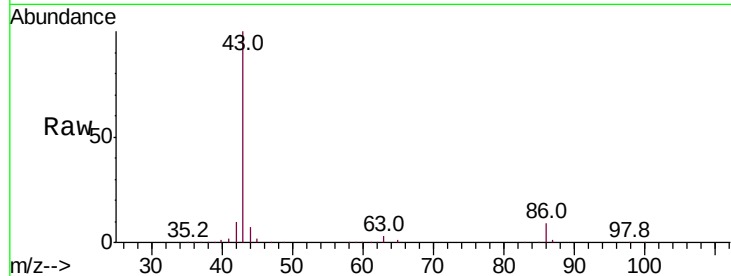
86 9.3 6.6 10.0

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#24

1,1-Dichloroethane

Concen: 5.214 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

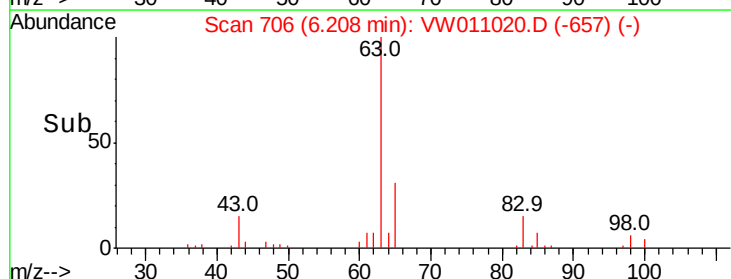
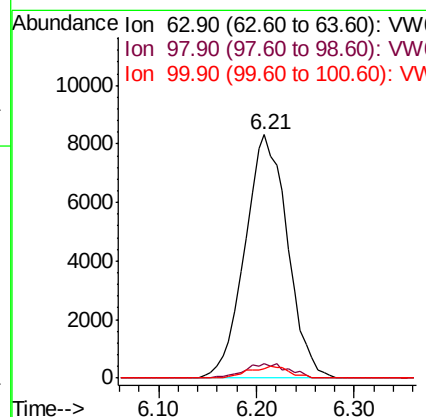
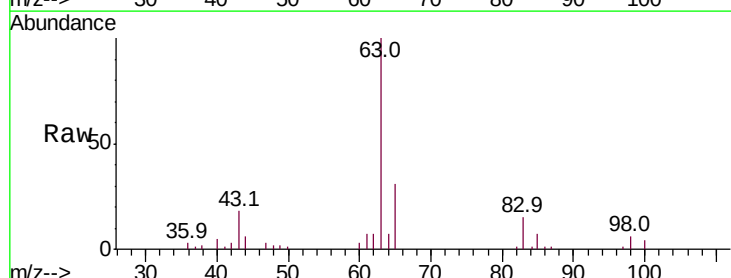
Tgt Ion: 63 Resp: 25079

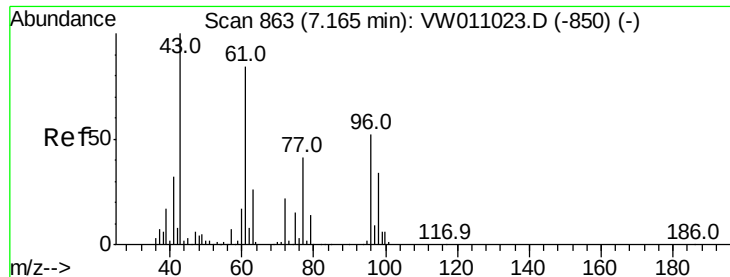
Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.4

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 27.741 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 27377

Ion Ratio Lower Upper

43 100

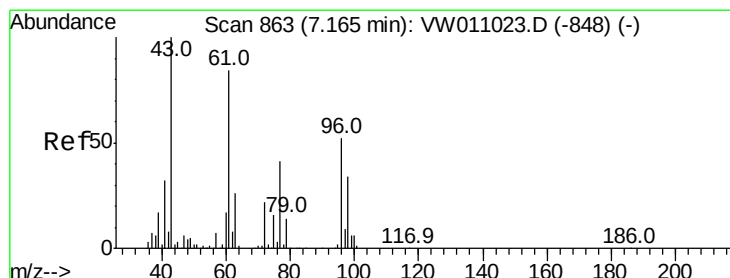
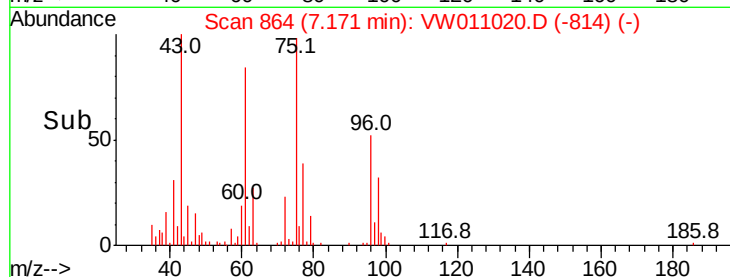
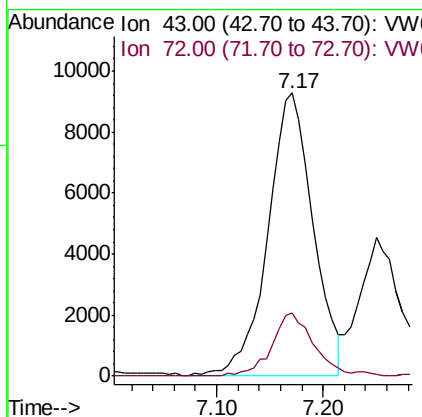
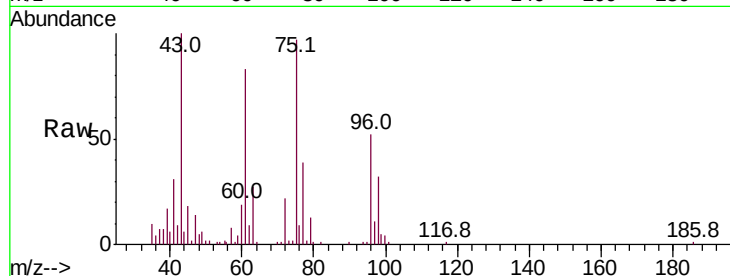
72 22.5 17.2 25.8

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#26

2,2-Dichloropropane

Concen: 4.288 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW011020.D

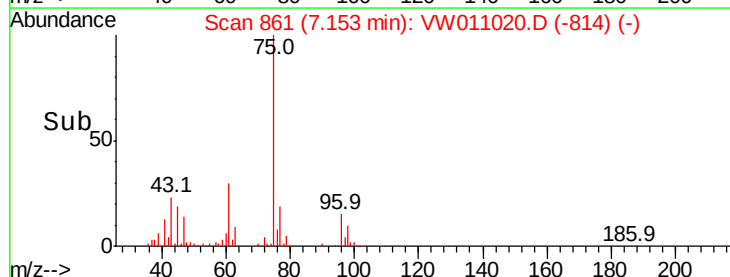
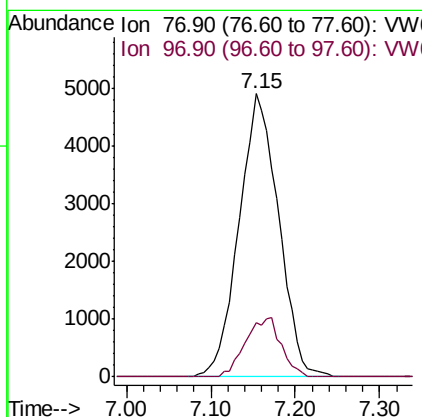
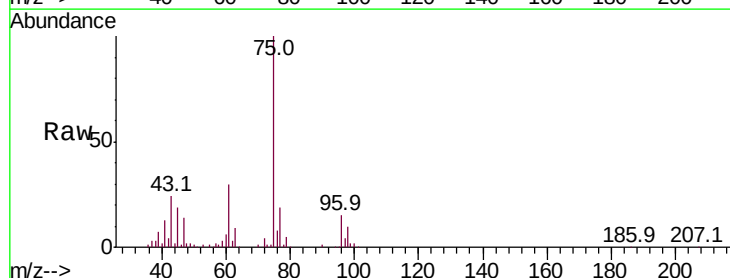
Acq: 27 Jun 2019 15:01

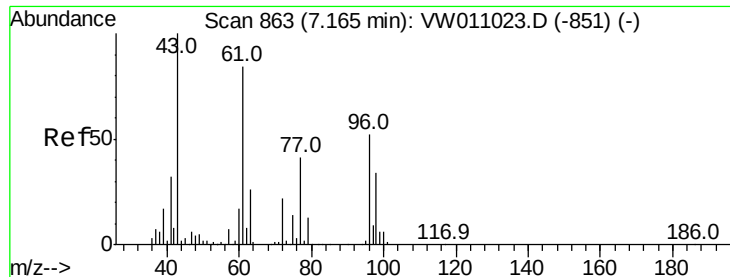
Tgt Ion: 77 Resp: 15646

Ion Ratio Lower Upper

77 100

97 18.9 10.9 32.7





#27

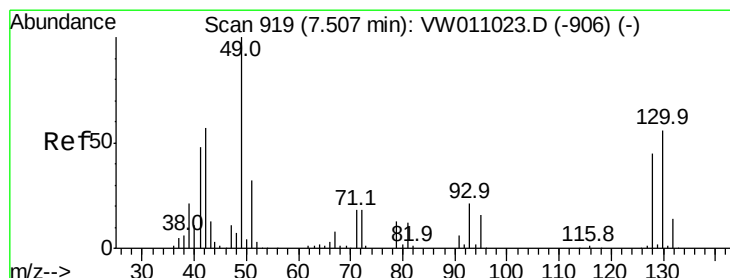
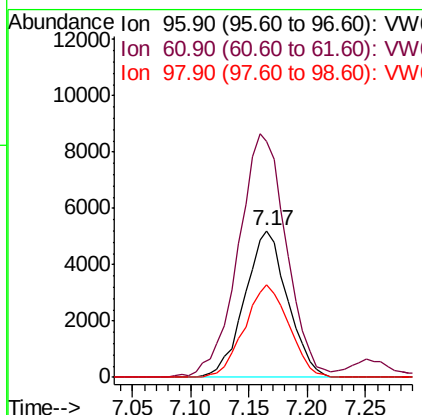
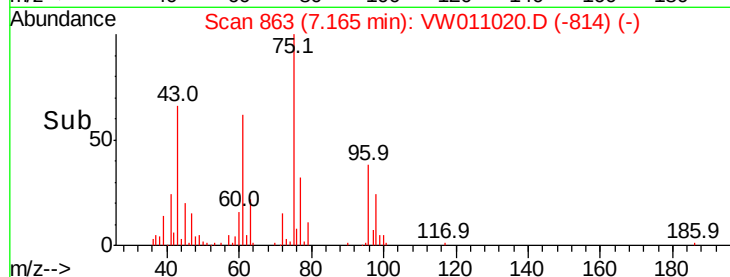
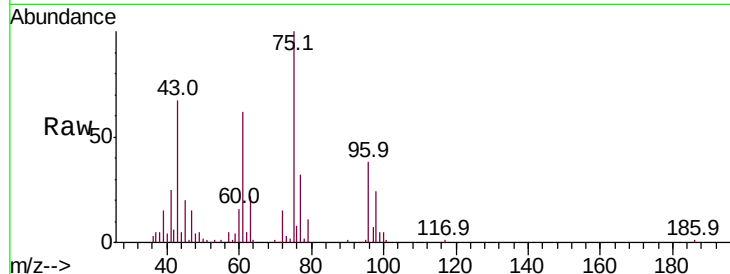
cis-1,2-Dichloroethene
Concen: 4.918 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	96	Resp:	13251
Ion	Ratio	Lower	Upper
96	100		
61	186.7	0.0	330.4
98	65.5	0.0	129.4

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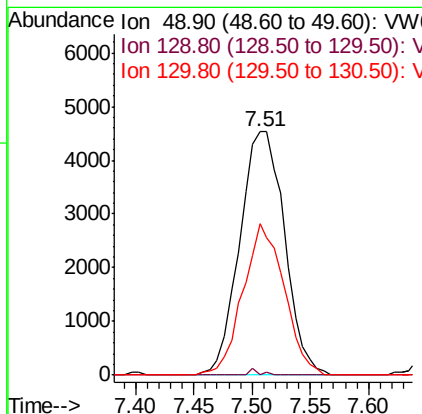
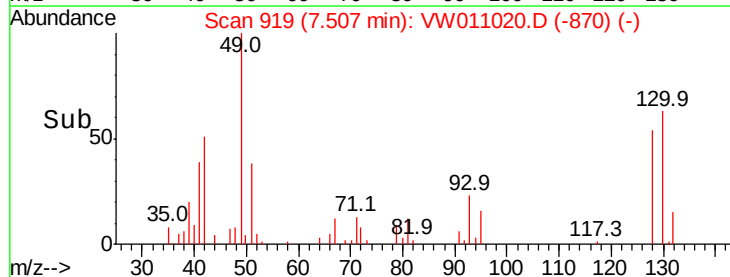
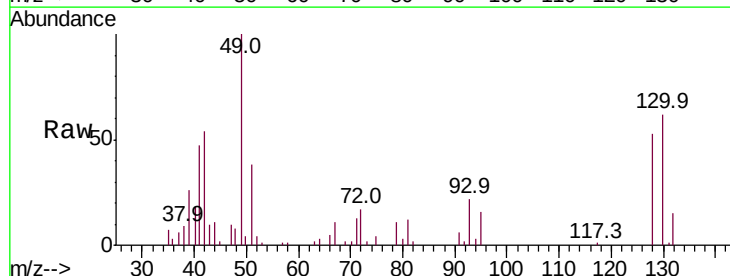
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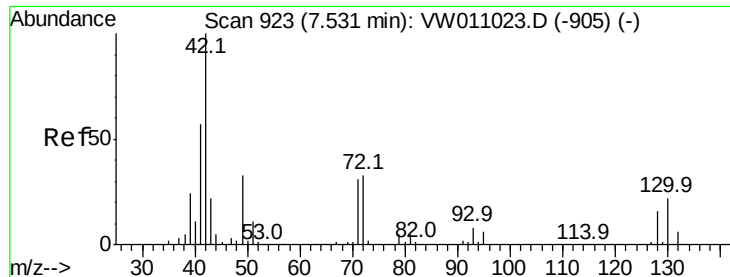


#28

Bromochloromethane
Concen: 5.499 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	49	Resp:	12108
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.4
130	57.2	46.1	69.1





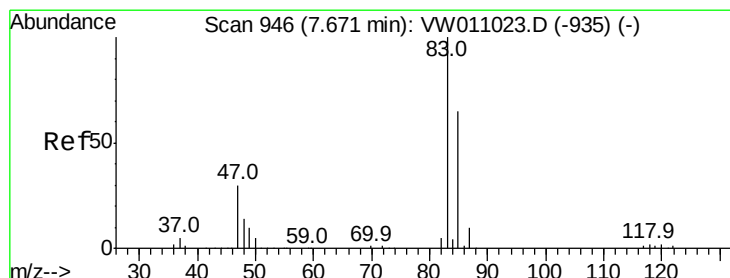
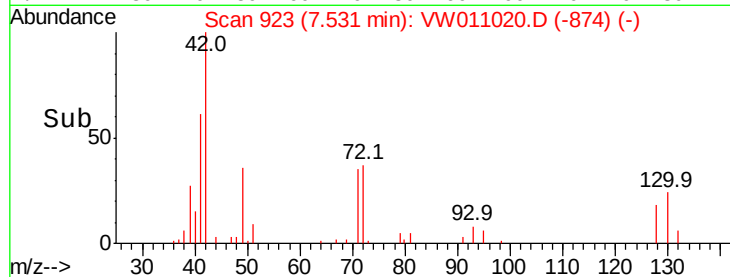
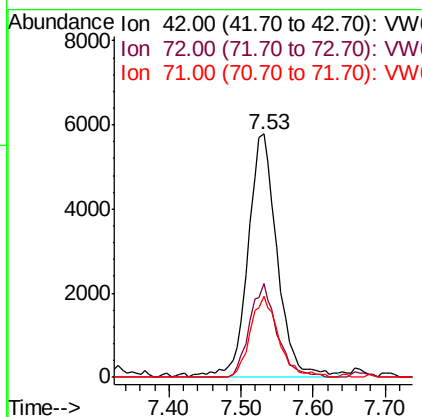
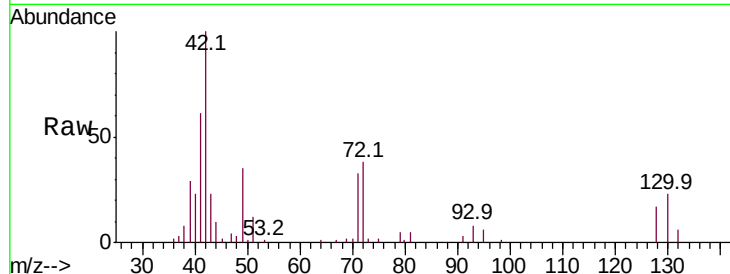
#29
Tetrahydrofuran
Concen: 26.114 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	16329
Ion Ratio		Lower	Upper
42	100		
72	35.7	27.4	41.0
71	31.3	25.6	38.4

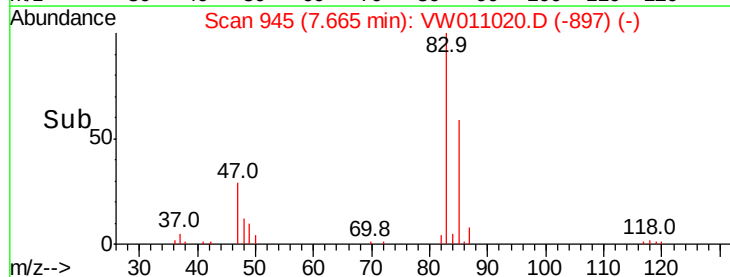
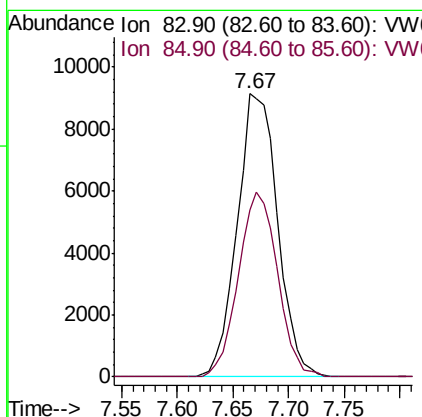
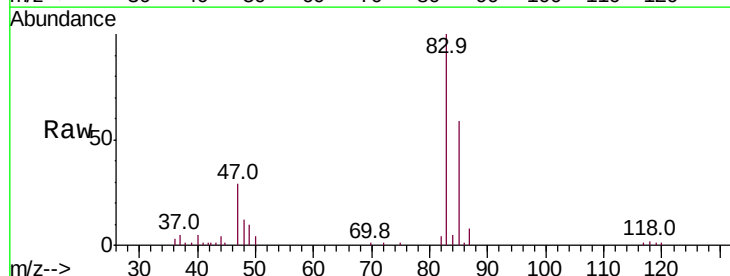
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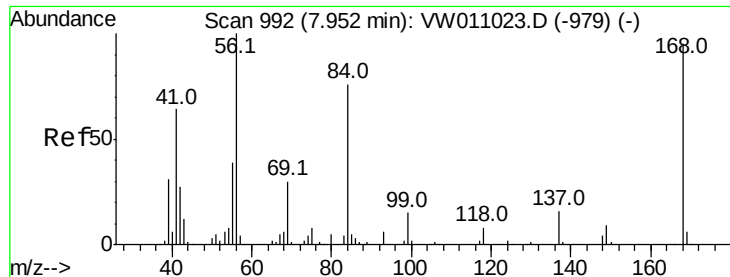
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#30
Chloroform
Concen: 5.256 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion:	83	Resp:	23112
Ion Ratio		Lower	Upper
83	100		
85	59.1	52.2	78.4





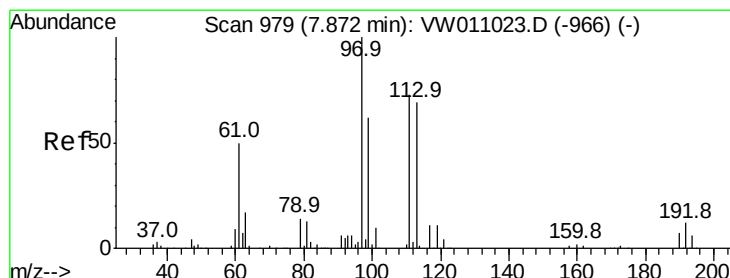
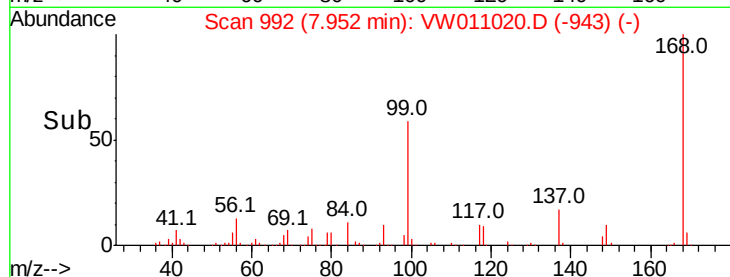
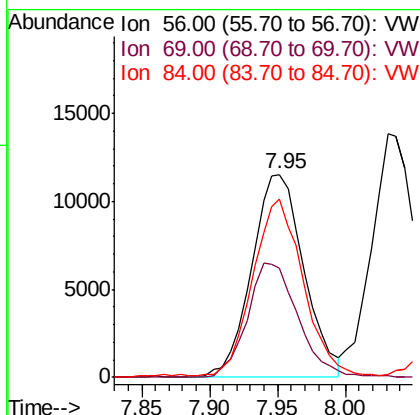
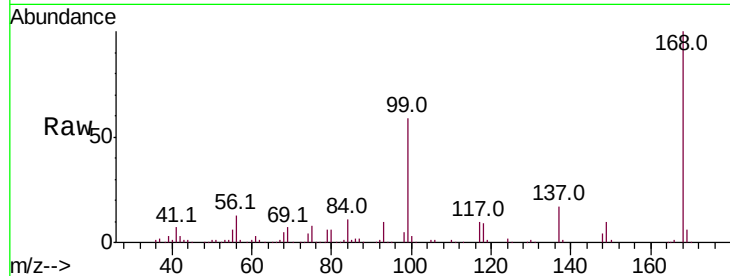
#31
Cyclohexane
Concen: 5.816 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	53.6	24.2	36.2#
84	87.2	60.6	90.8

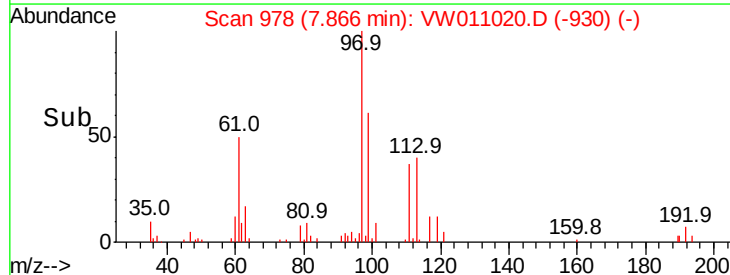
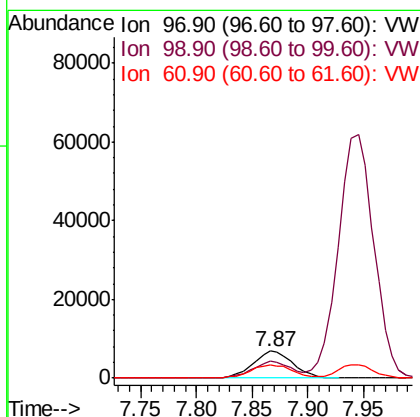
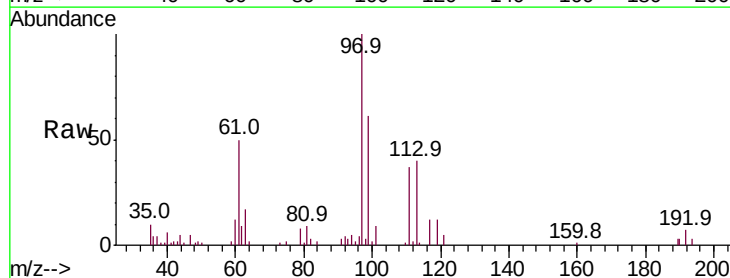
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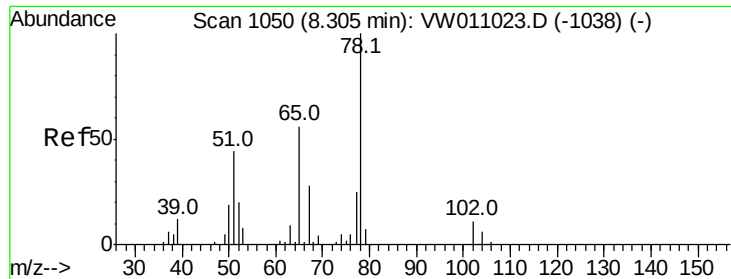
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#32
1,1,1-Trichloroethane
Concen: 4.546 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.1	51.1	76.7
61	51.7	41.4	62.2





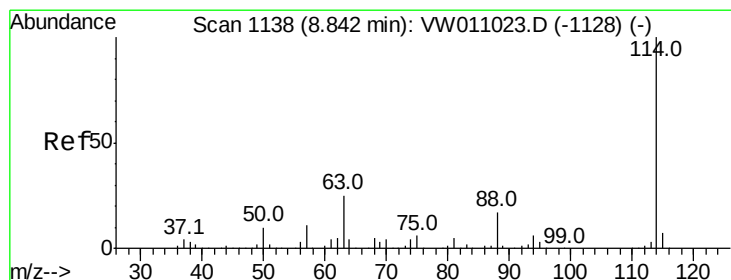
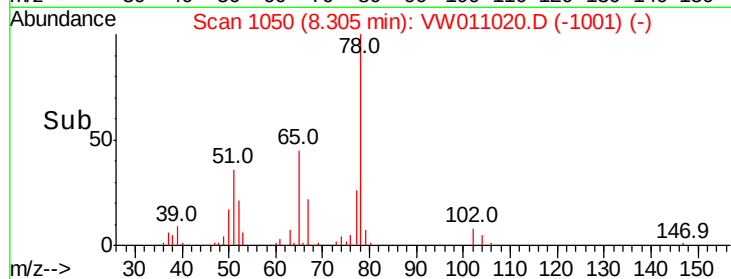
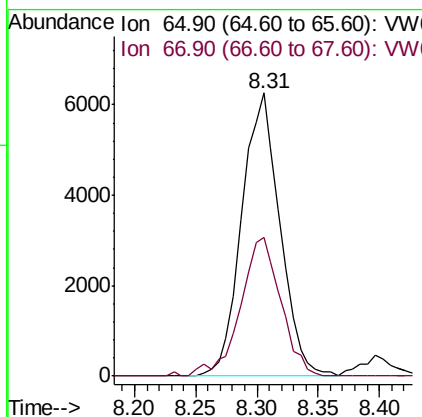
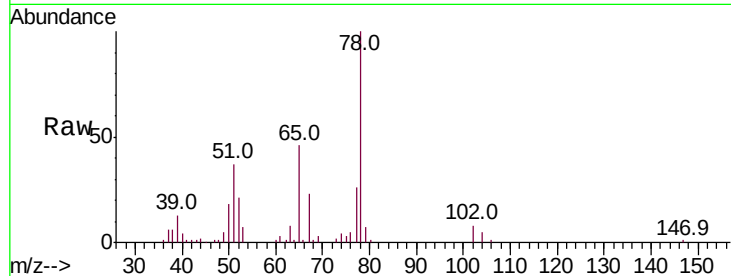
#33
 1,2-Dichloroethane-d4
 Concen: 4.974 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 13572
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.4

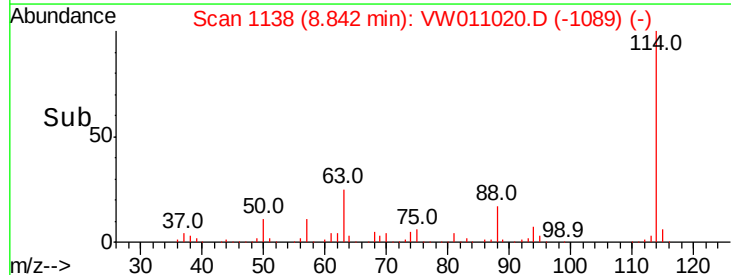
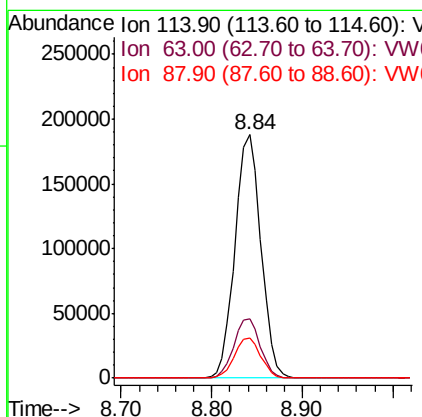
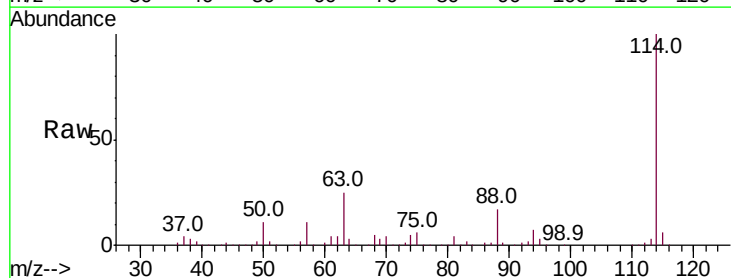
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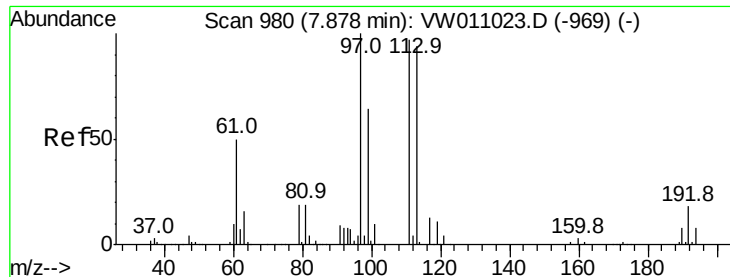
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion: 114 Resp: 372779
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.6
 88 16.6 0.0 34.0





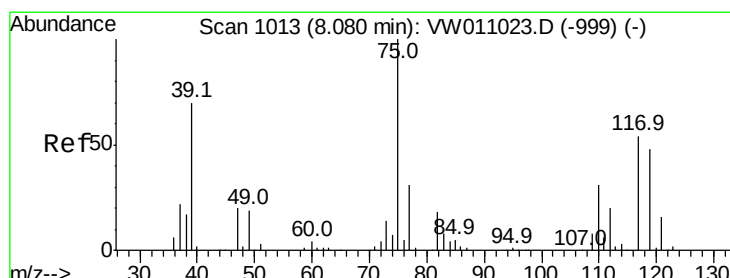
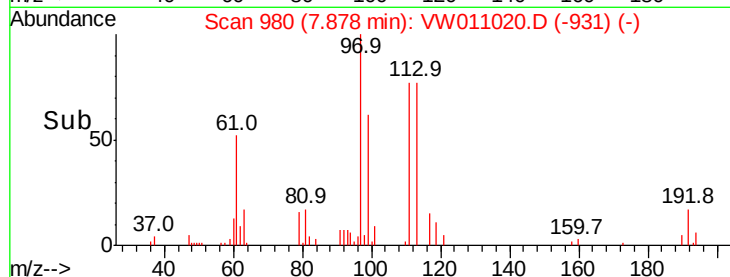
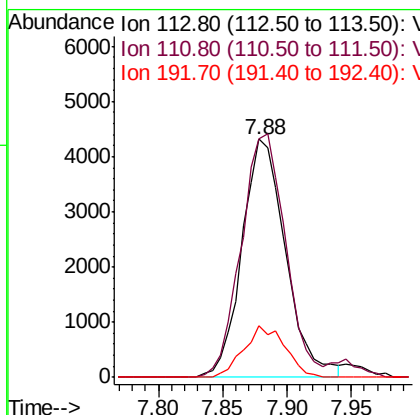
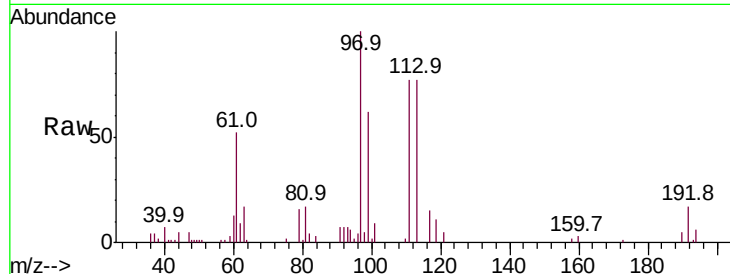
#35
 Dibromofluoromethane
 Concen: 4.827 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.8	125.6
192	20.4	16.0	24.0

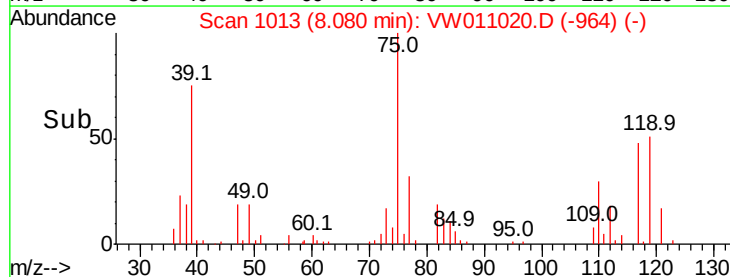
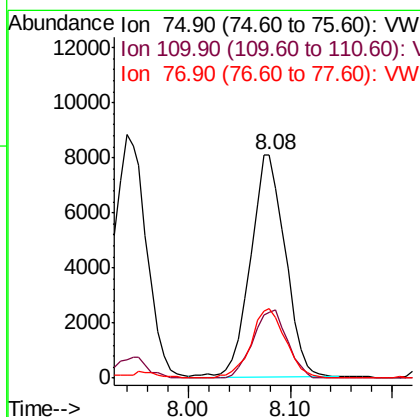
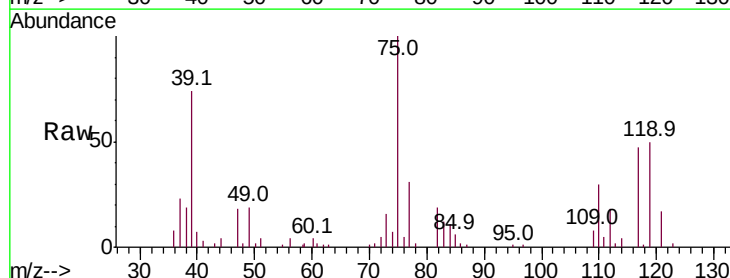
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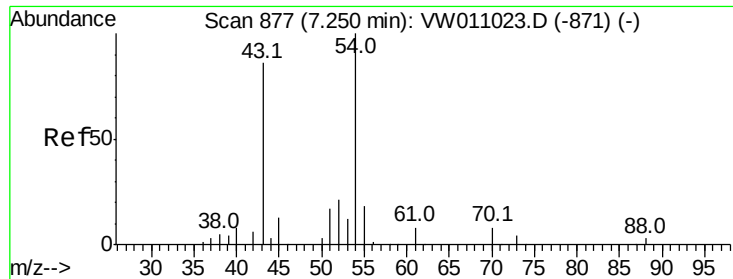
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#36
 1,1-Dichloropropene
 Concen: 4.973 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.4	15.5	46.5
77	31.4	24.9	37.3





#37

Ethyl Acetate

Concen: 4.942 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

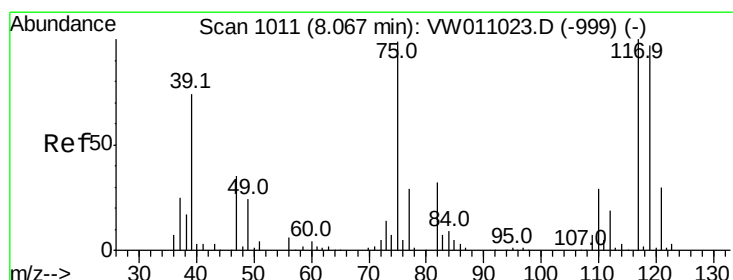
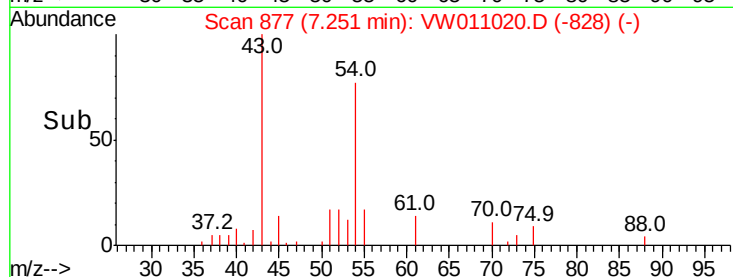
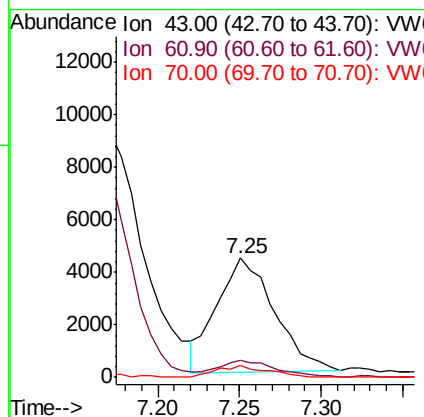
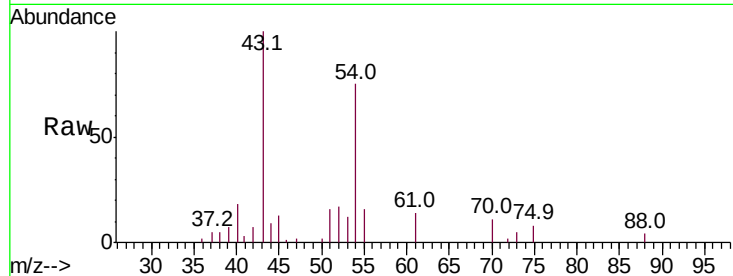
ClientSampled :

VSTDIC005

Tot Ion:	43	Resp:	10710
Ion	Ratio	Lower	Upper
43	100		
61	15.4	9.0	13.4#
70	9.1	7.2	10.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 4.653 ug/l

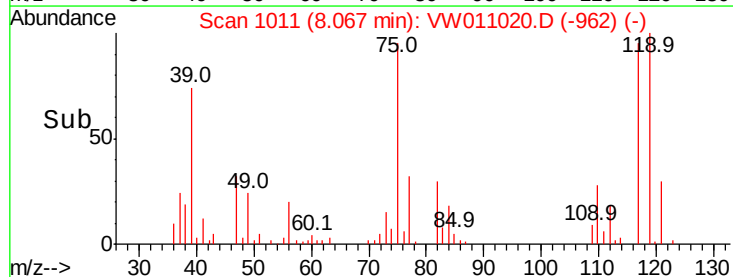
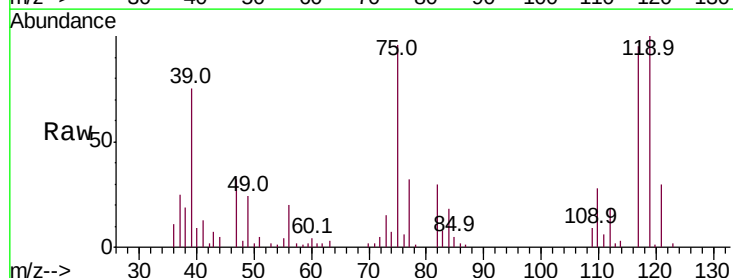
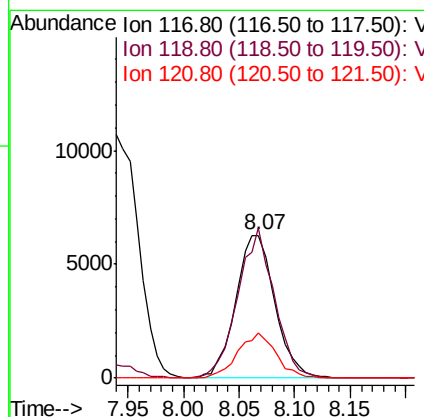
RT: 8.07 min Scan# 1011

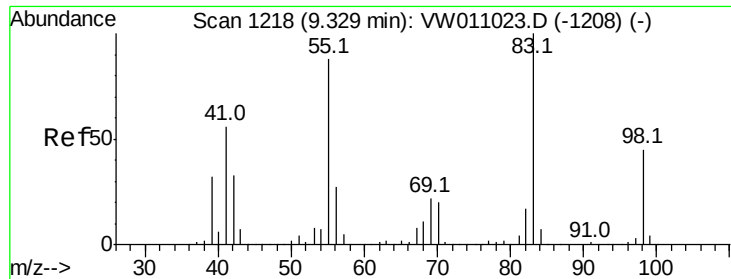
Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion:	117	Resp:	15337
Ion	Ratio	Lower	Upper
117	100		
119	104.9	77.7	116.5
121	31.5	23.9	35.9





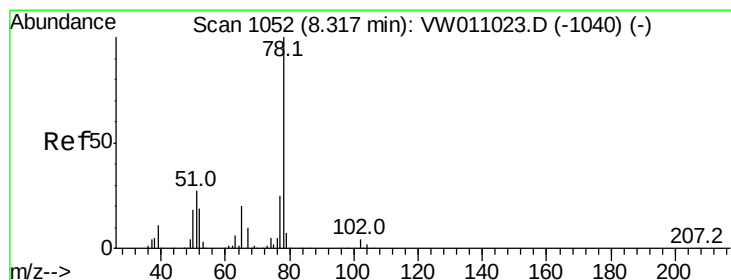
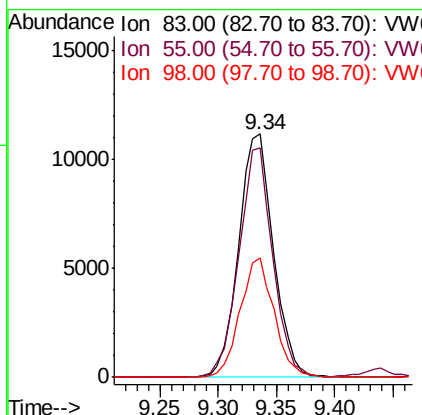
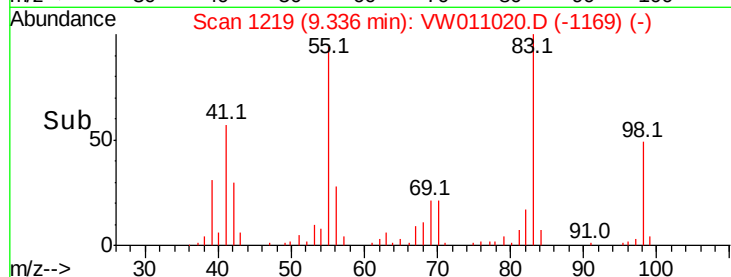
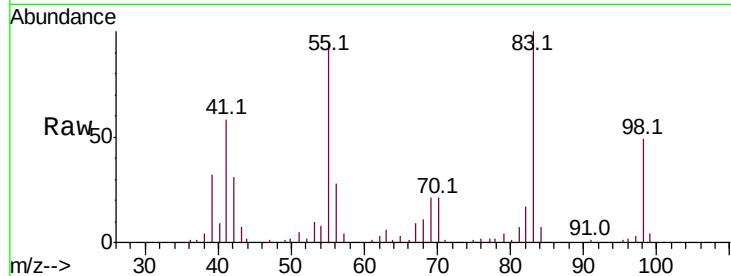
#39
Methvlcvclohexane
Concen: 4.790 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	23290
Ion Ratio	100	Lower	Upper
83	100		
55	94.3	70.7	106.1
98	49.1	36.4	54.6

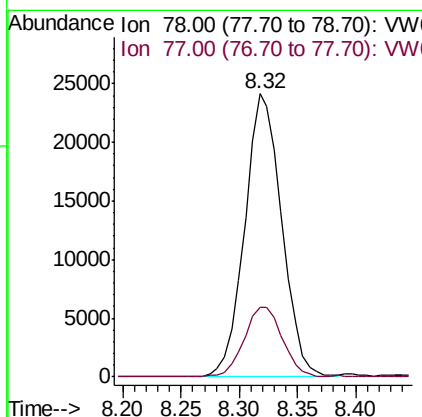
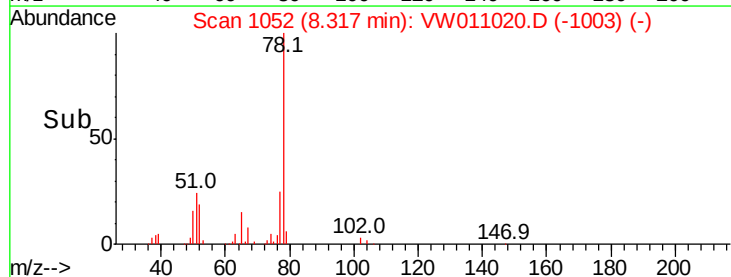
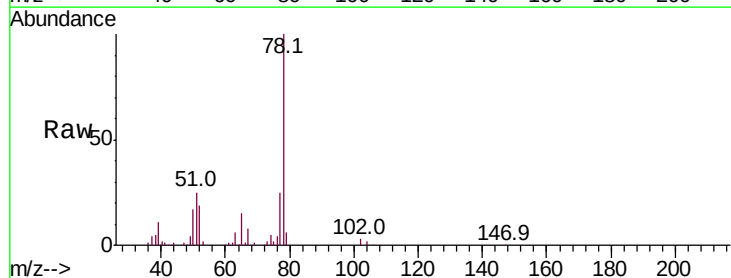
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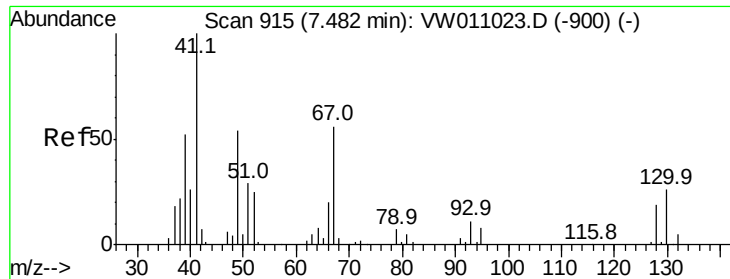
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#40
Benzene
Concen: 5.063 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	78	Resp	53359
Ion Ratio	100	Lower	Upper
78	100		
77	24.6	19.7	29.5





#41

Methacrylonitrile

Concen: 5.549 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 7182

Ion Ratio Lower Upper

41 100

39 52.0 42.1 63.1

67 51.4 44.2 66.2

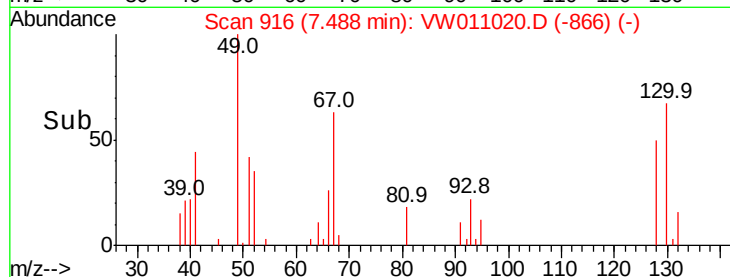
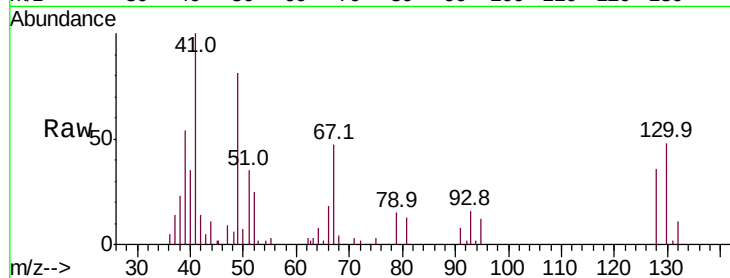
52 25.5 21.0 31.6

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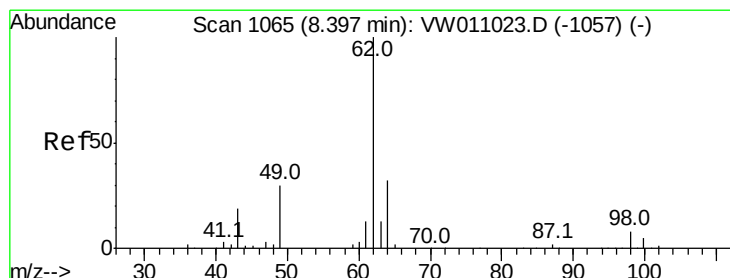
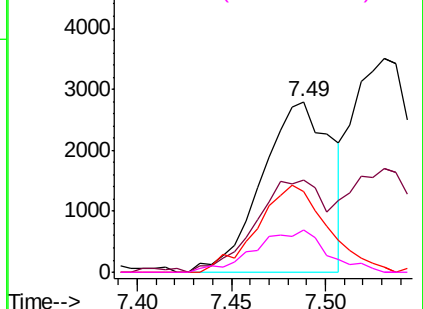


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 5.305 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011020.D

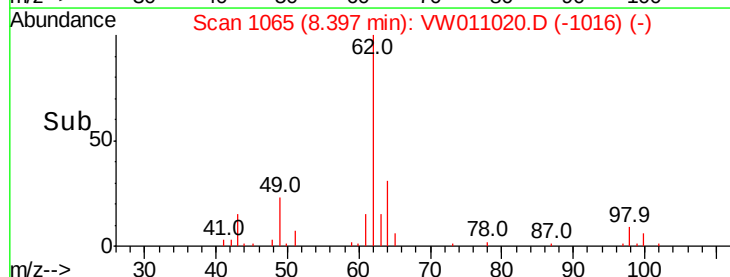
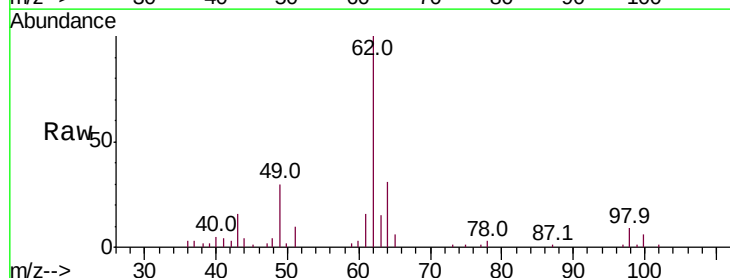
Acq: 27 Jun 2019 15:01

Tgt Ion: 62 Resp: 17810

Ion Ratio Lower Upper

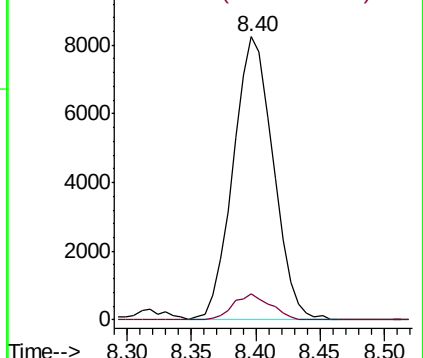
62 100

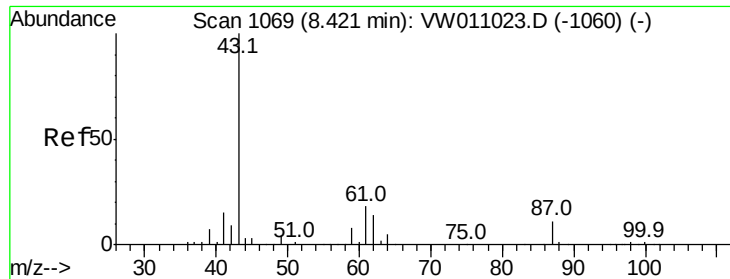
98 8.5 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.912 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

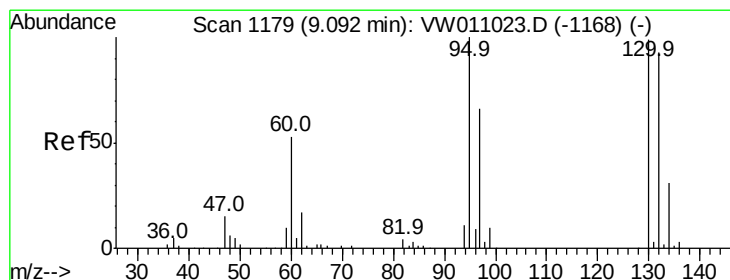
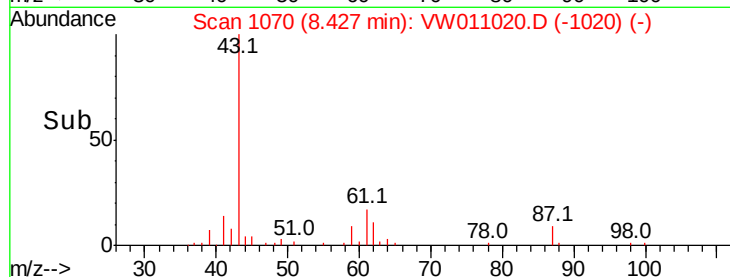
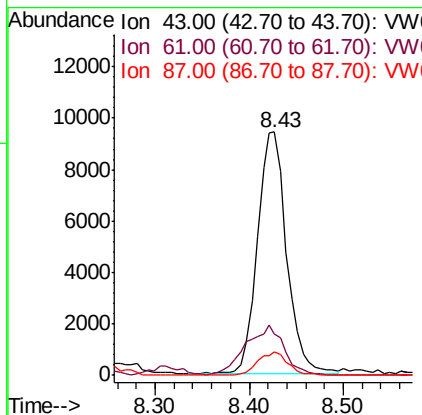
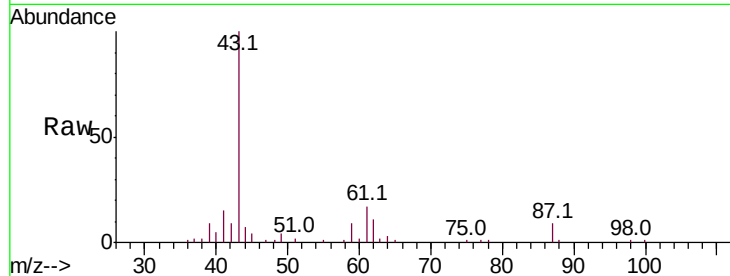
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	20423
Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.0	31.6
87	9.7	8.2	12.4

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#44

Trichloroethene

Concen: 5.027 ug/l

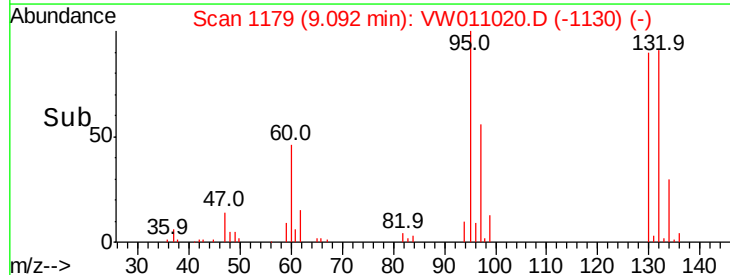
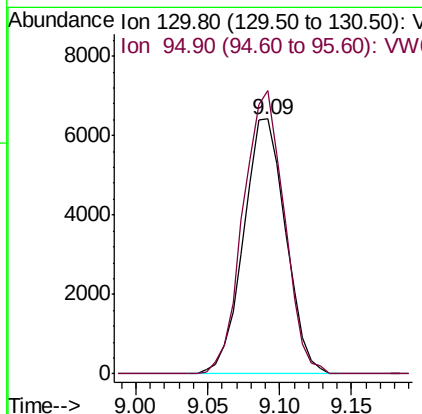
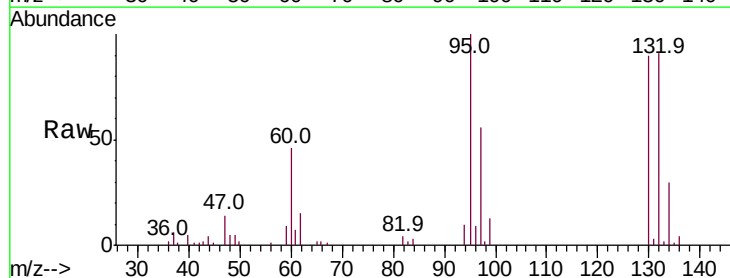
RT: 9.09 min Scan# 1179

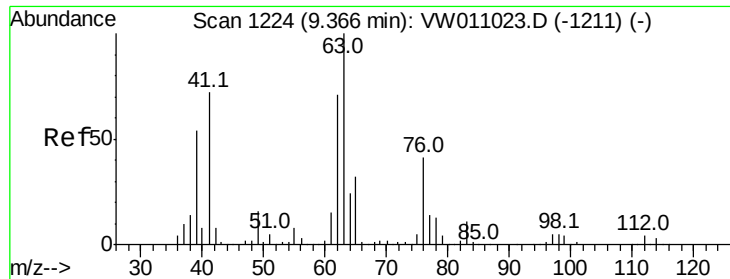
Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion:	130	Resp:	13019
Ion	Ratio	Lower	Upper
130	100		
95	111.0	0.0	202.0





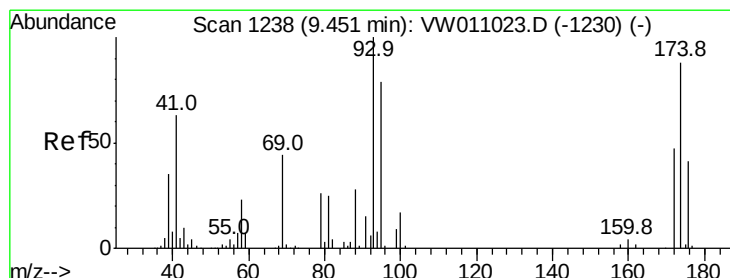
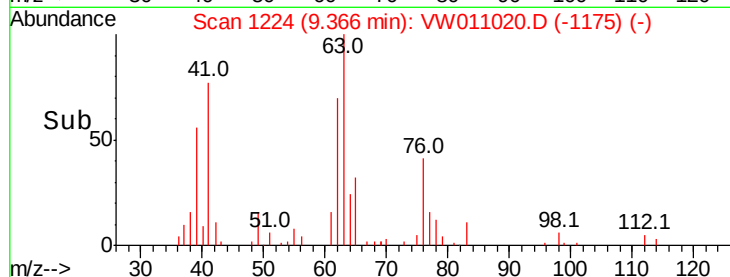
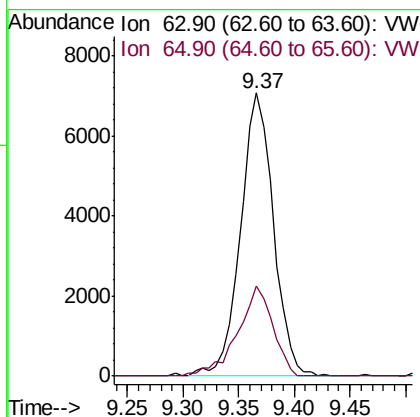
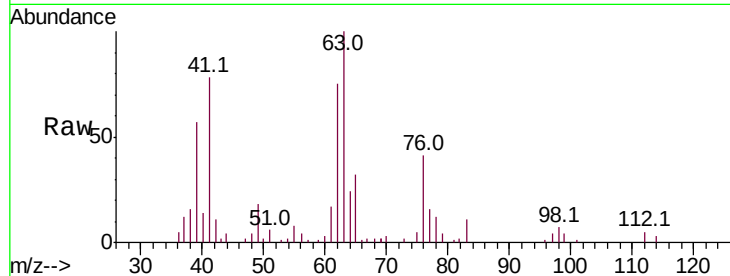
#45
 1,2-Dichloropropane
 Concen: 5.193 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 14520
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.6 38.4

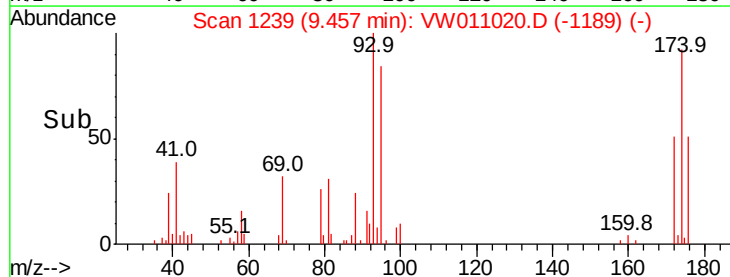
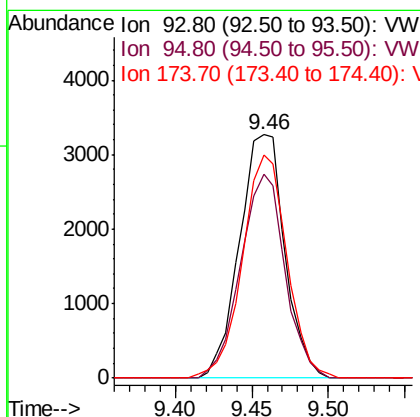
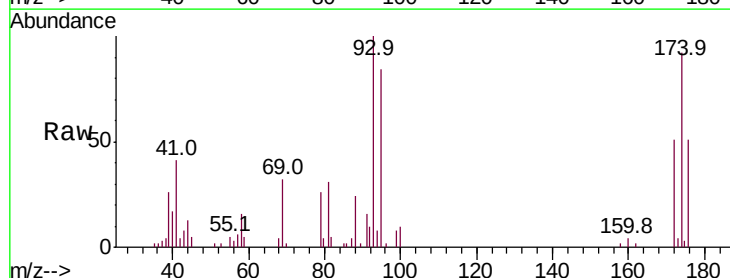
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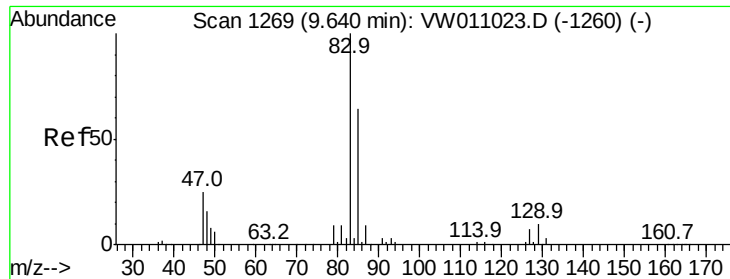
MMDadoda
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#46
 Dibromomethane
 Concen: 5.174 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion: 93 Resp: 6735
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.8 98.6
 174 89.8 75.4 113.0





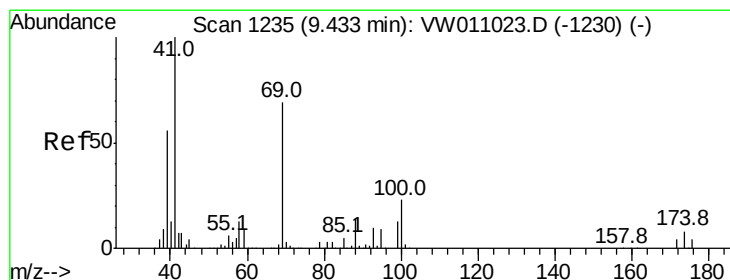
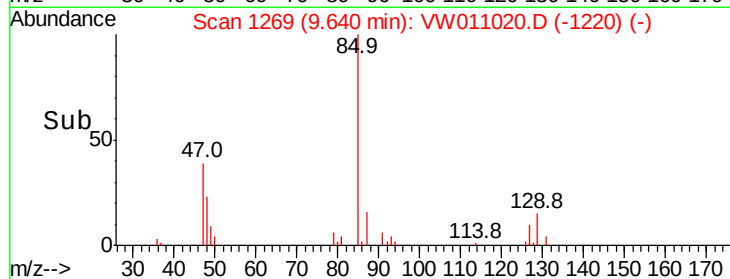
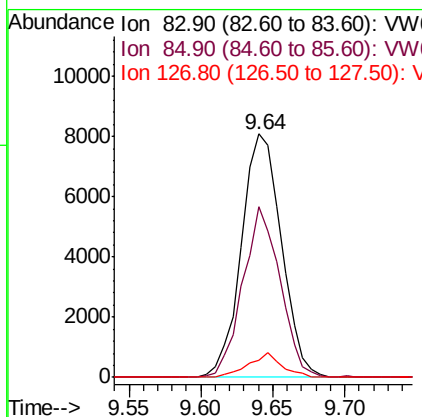
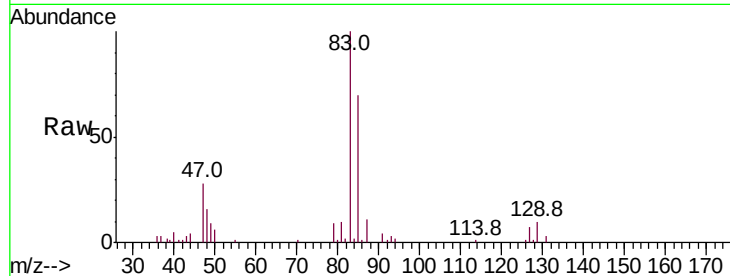
#47
Bromodichloromethane
Concen: 4.648 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Ratio	100	Resp	15546
Ion	83	100		Lower	Upper
	85	70.0		51.0	76.4
	127	7.2		5.8	8.8

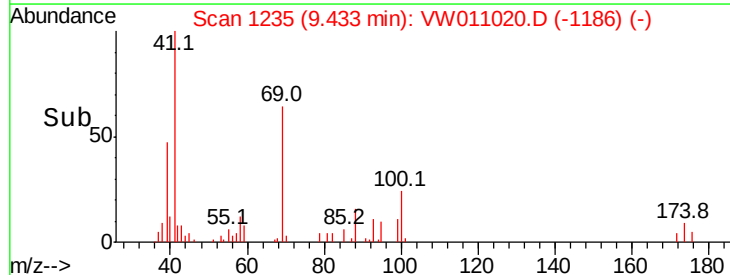
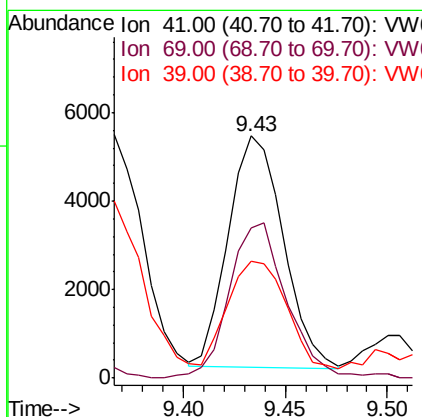
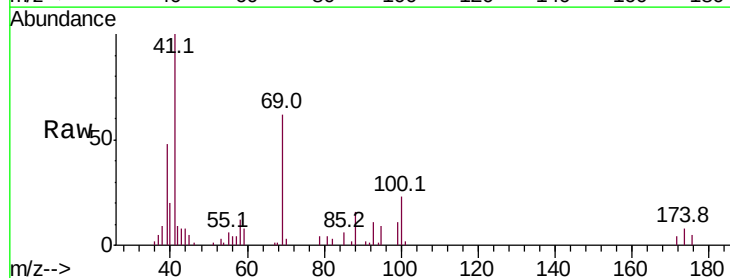
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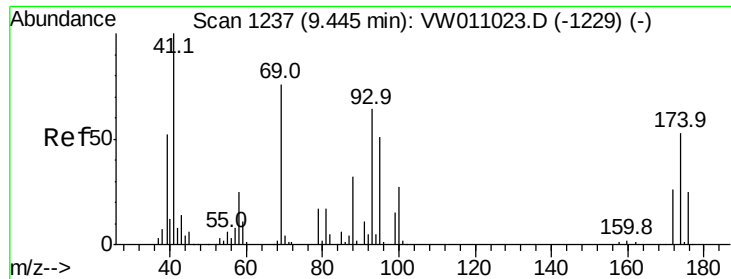
MMDadoda
6/28/2019 10:24:49 AM



#48
Methyl methacrylate
Concen: 4.863 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	41	Ratio	100	Resp	9751
Ion	41	100		Lower	Upper
	69	70.7		56.7	85.1
	39	49.9		45.0	67.6





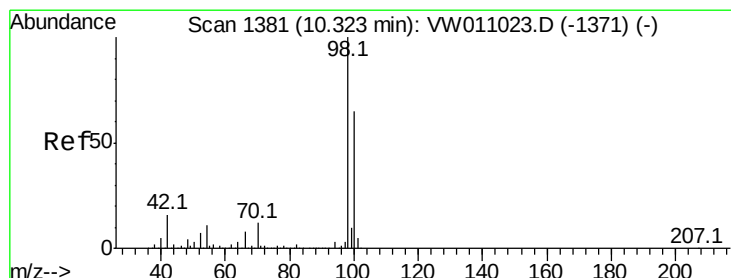
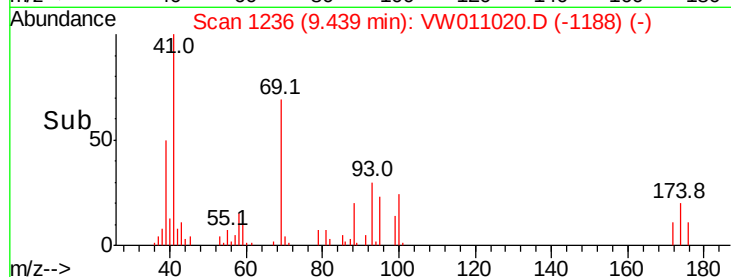
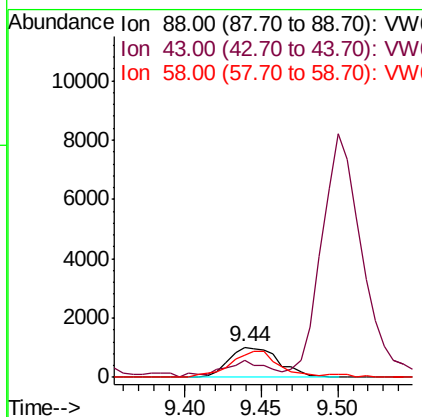
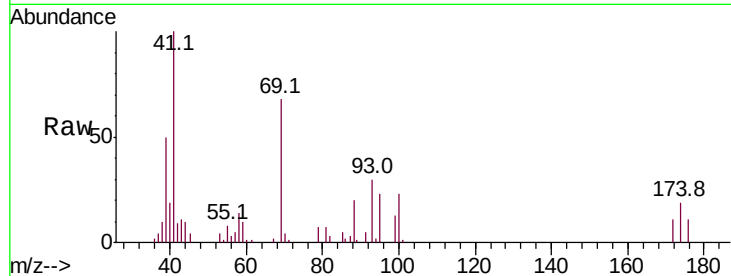
#49
1,4-Dioxane
Concen: 109.137 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.5	34.4	51.6
58	83.4	65.2	97.8

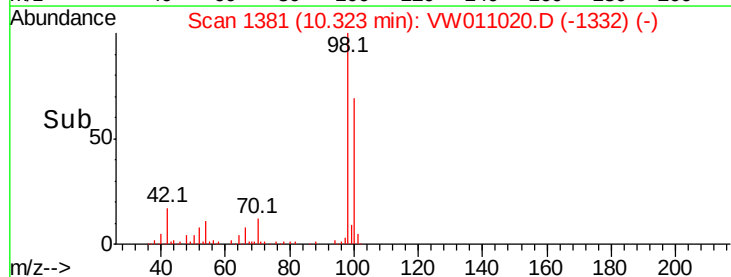
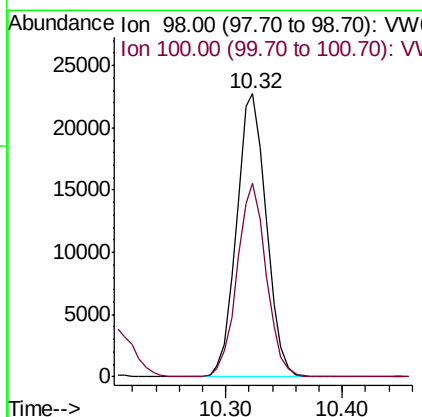
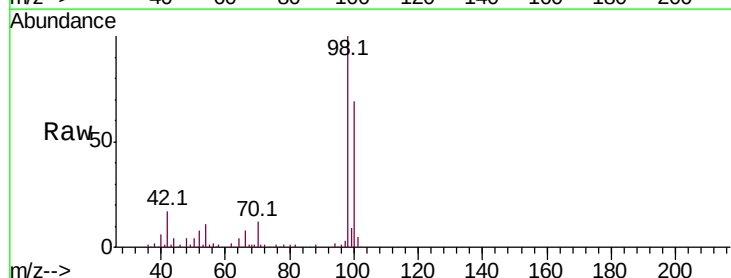
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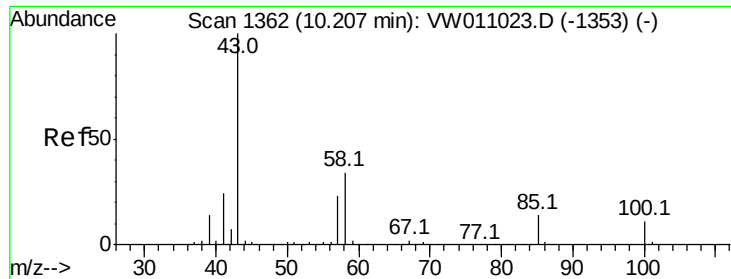
MMDadoda
6/28/2019 10:24:49 AM



#50
Toluene-d8
Concen: 4.389 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 25.479 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 54539

Ion Ratio Lower Upper

43 100

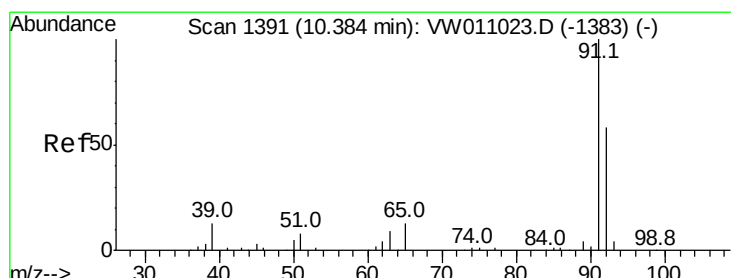
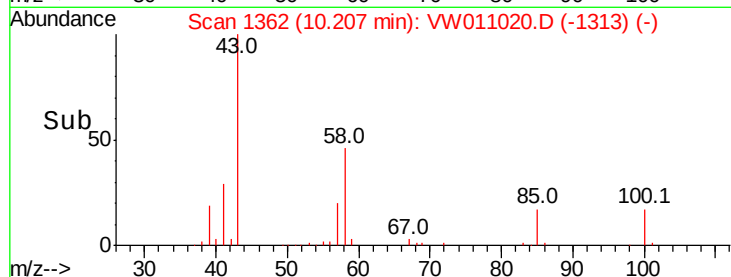
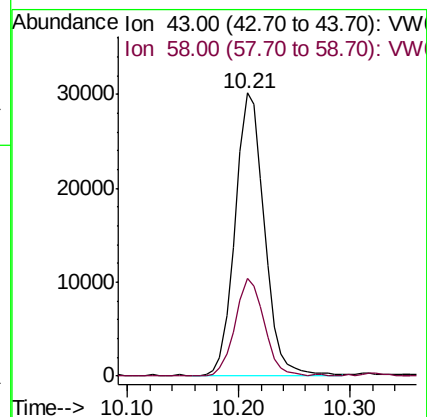
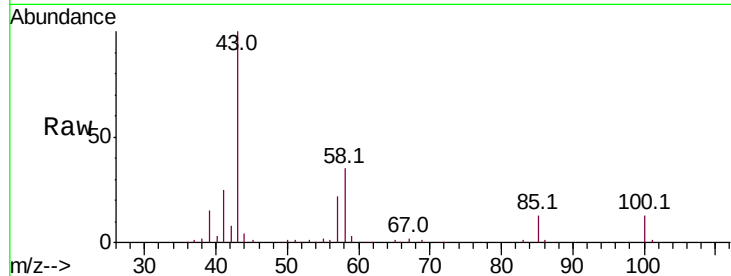
58 34.8 27.8 41.6

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#52

Toluene

Concen: 4.902 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011020.D

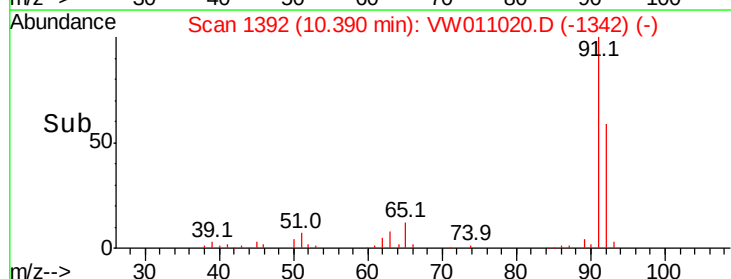
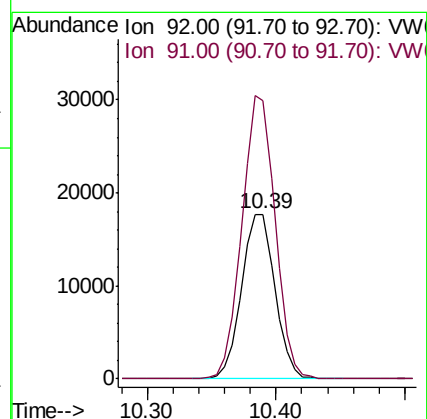
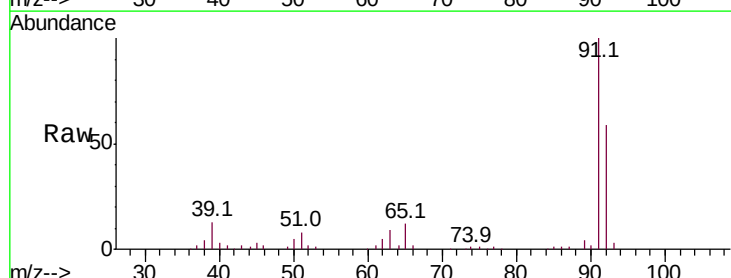
Acq: 27 Jun 2019 15:01

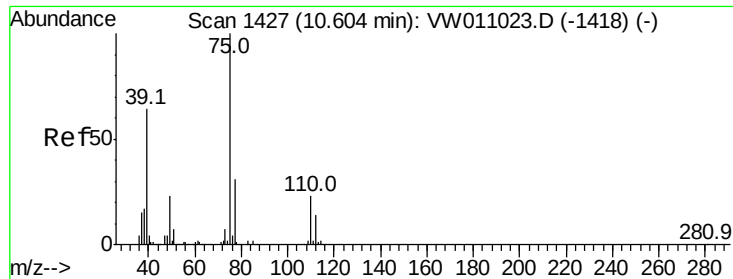
Tgt Ion: 92 Resp: 31743

Ion Ratio Lower Upper

92 100

91 170.7 136.9 205.3





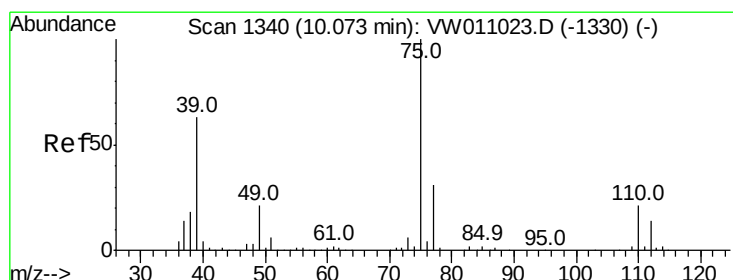
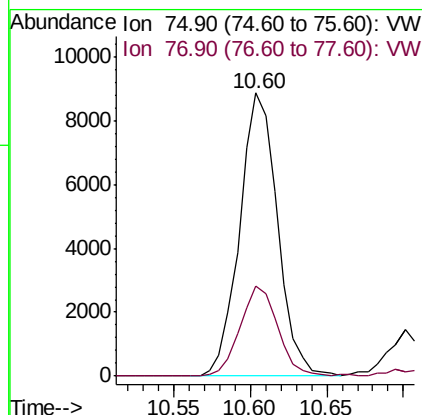
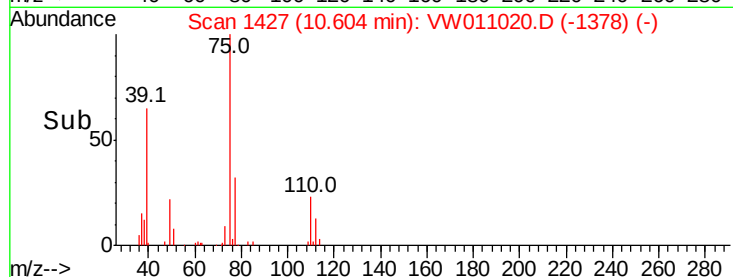
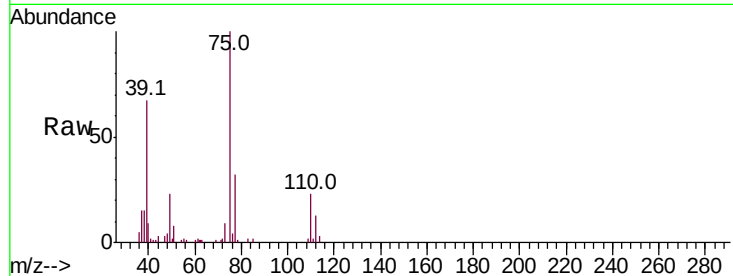
#53
 t-1,3-Dichloropropene
 Concen: 4.306 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 15242
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0

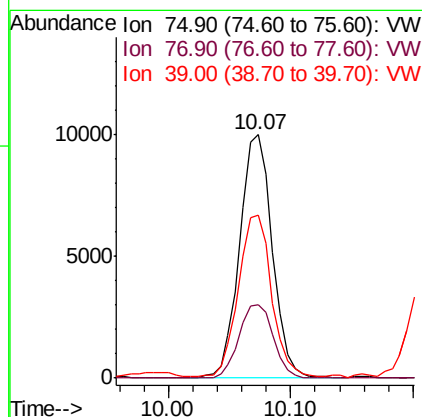
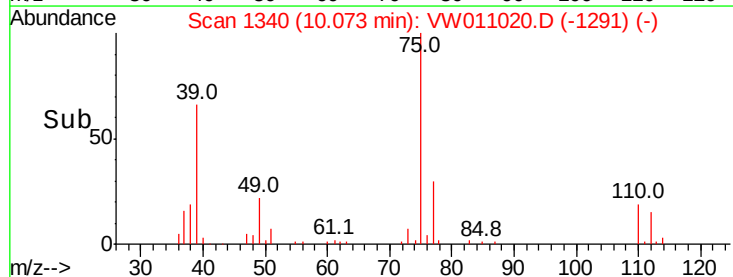
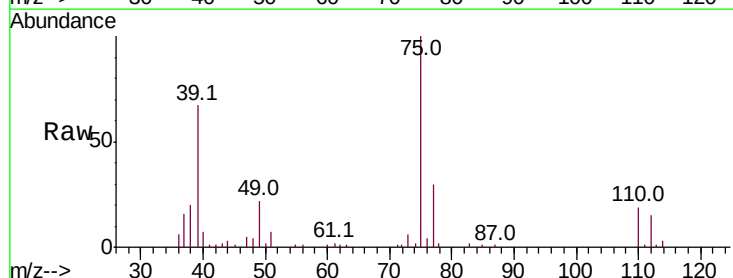
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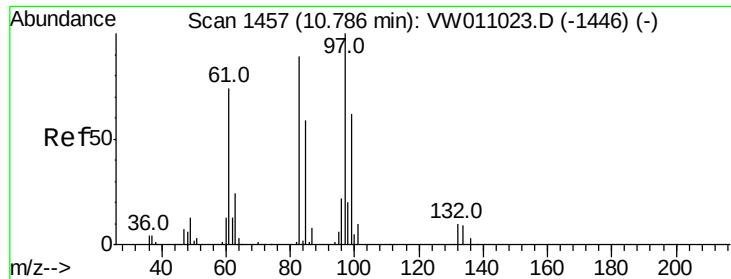
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#54
 cis-1,3-Dichloropropene
 Concen: 4.436 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion: 75 Resp: 18527
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.8 37.2
 39 66.2 50.0 75.0





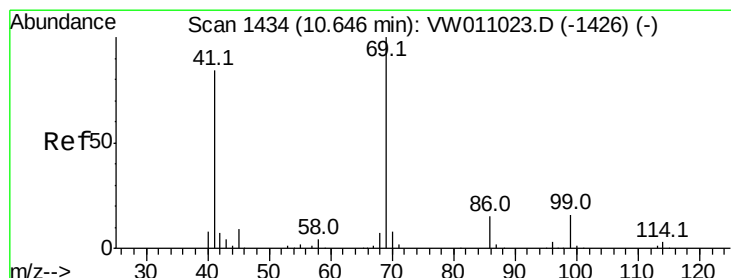
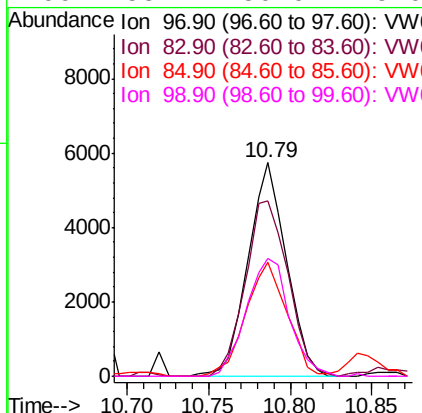
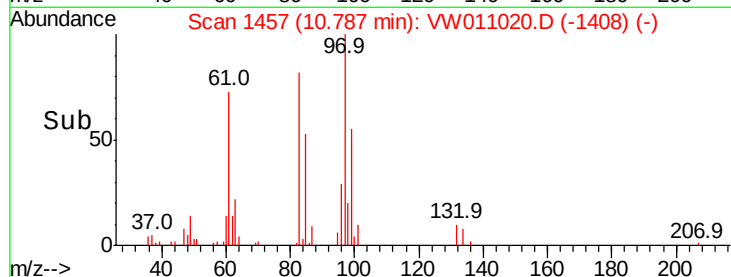
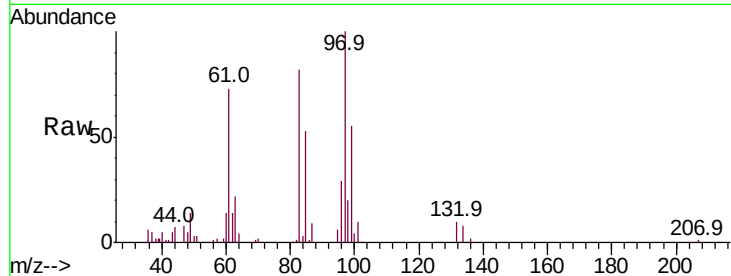
#55
 1,1,2-Trichloroethane
 Concen: 5.019 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9399
Ion	Ratio	Lower	Upper
97	100		
83	81.8	70.9	106.3
85	53.3	47.2	70.8
99	55.1	50.0	75.0

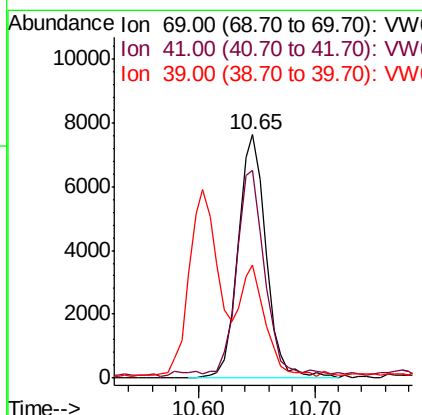
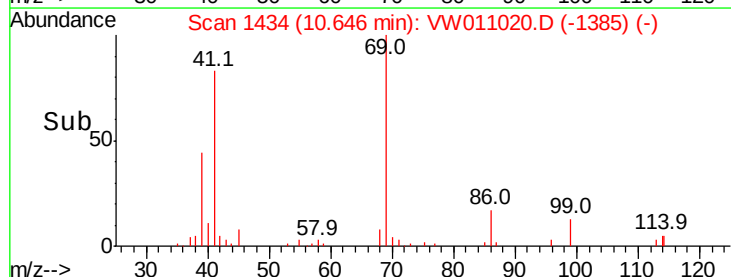
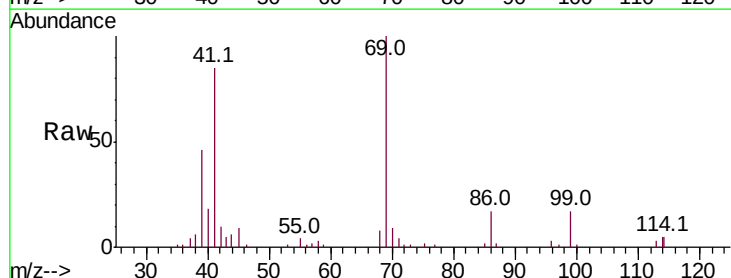
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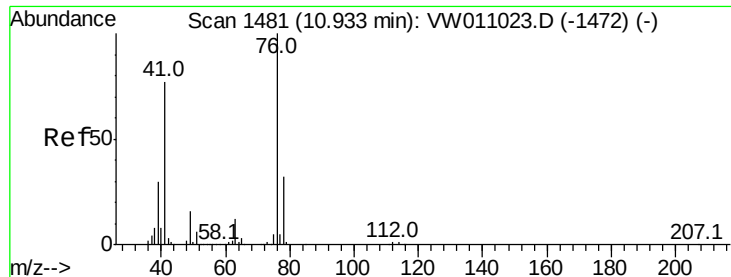
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#56
 Ethyl methacrylate
 Concen: 4.478 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion:	69	Resp:	12845
Ion	Ratio	Lower	Upper
69	100		
41	80.7	67.9	101.9
39	40.6	33.2	49.8





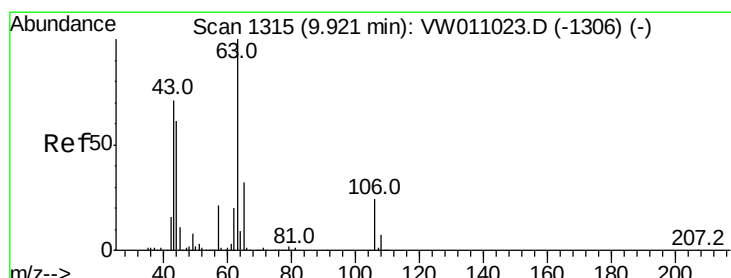
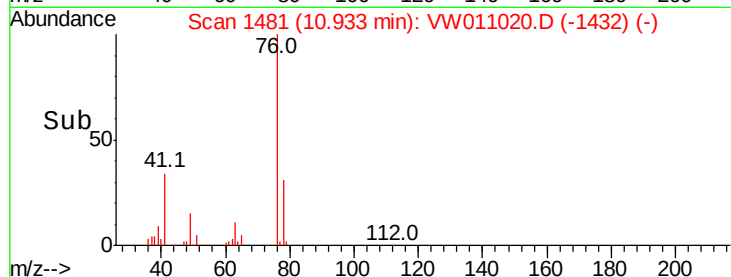
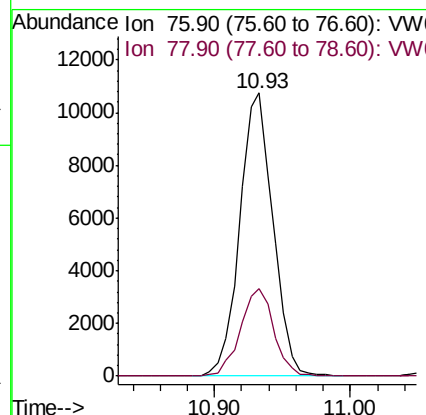
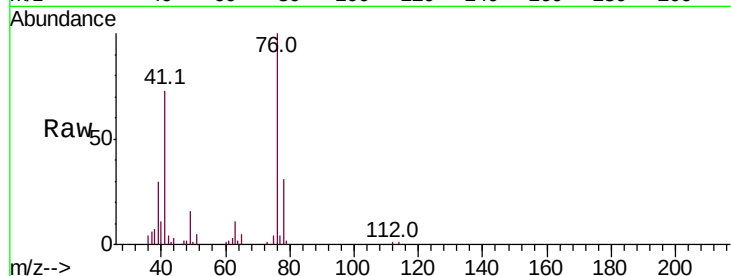
#57
 1,3-Dichloropropane
 Concen: 5.178 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 18261
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.8 38.6

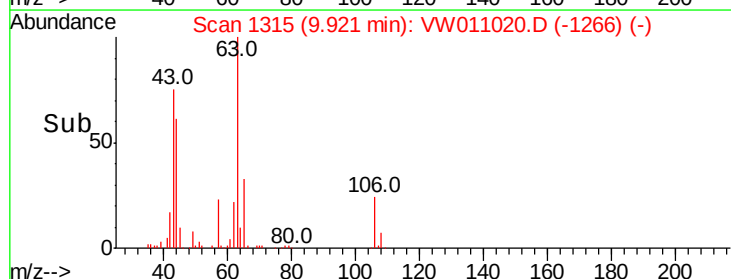
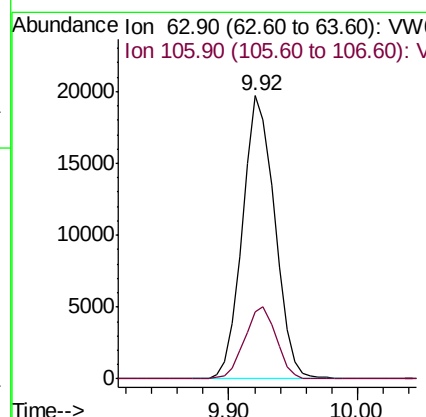
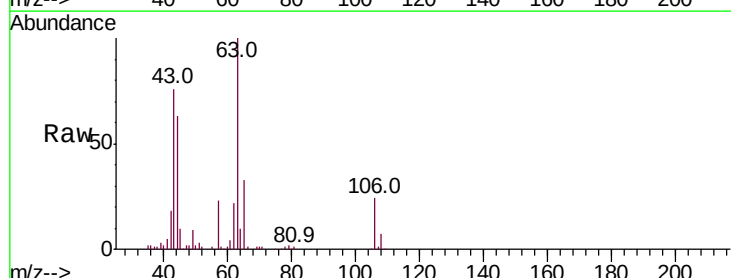
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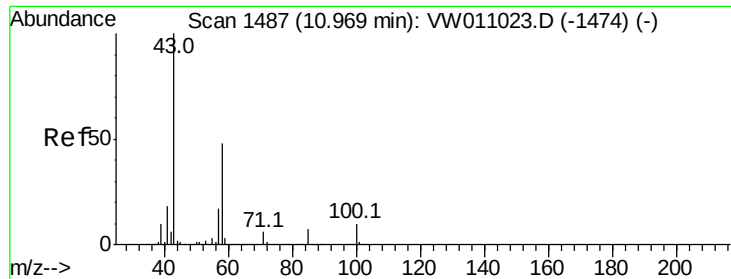
MMDadoda
 6/28/2019 10:24:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.908 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion: 63 Resp: 34228
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.4 29.0





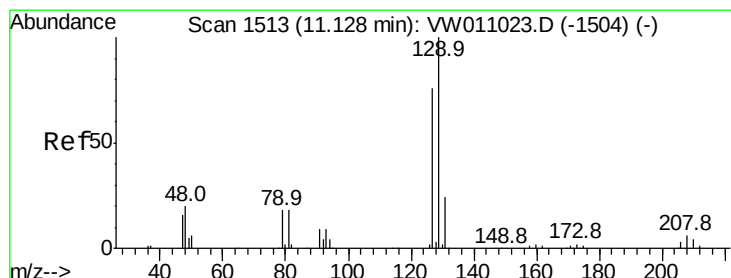
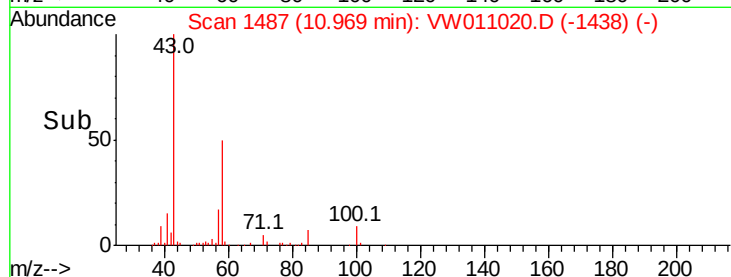
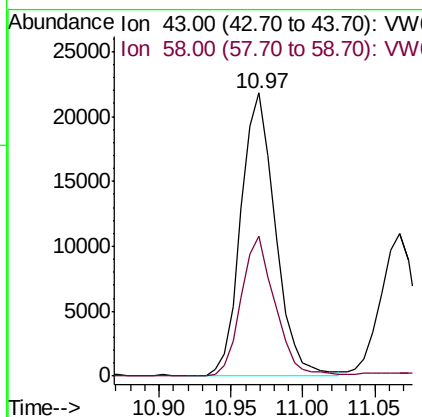
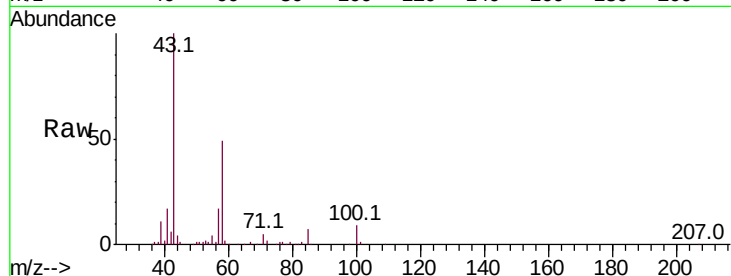
#59
2-Hexanone
Concen: 23.396 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Ratio	100	48.8	Resp	36001	Lower	23.8	Upper	71.5
Ion	43	58	Ratio	100	48.8	Resp	36001	Lower	23.8	Upper	71.5

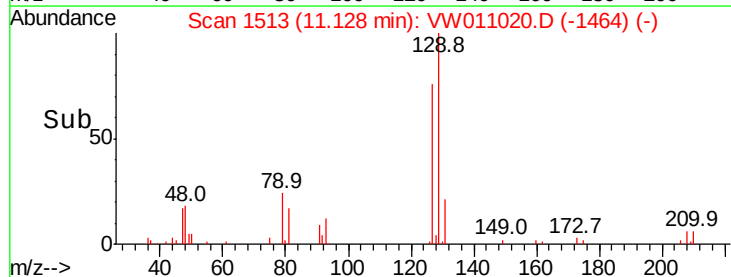
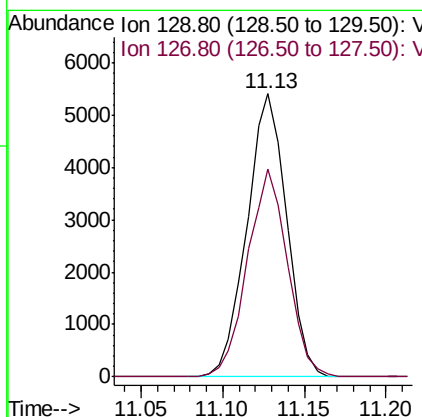
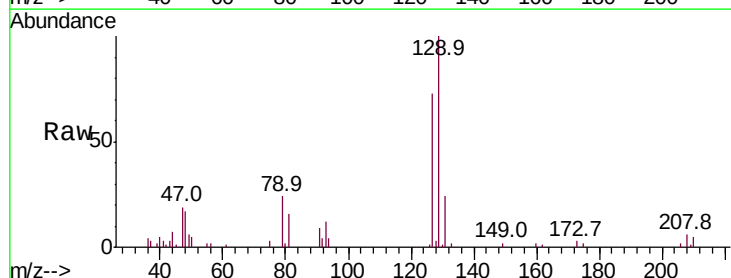
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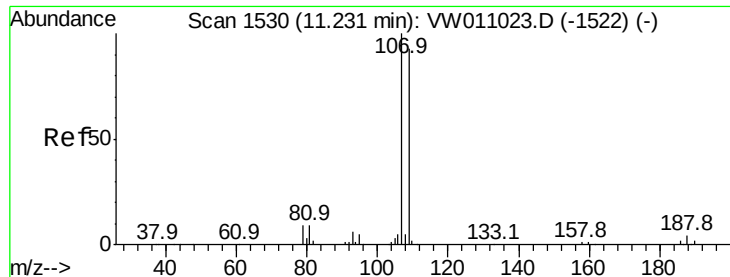
MMDadoda
6/28/2019 10:24:49 AM



#60
Dibromochloromethane
Concen: 4.475 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	129	127	Ratio	100	73.8	Resp	9177	Lower	39.4	Upper	118.1
Ion	129	127	Ratio	100	73.8	Resp	9177	Lower	39.4	Upper	118.1





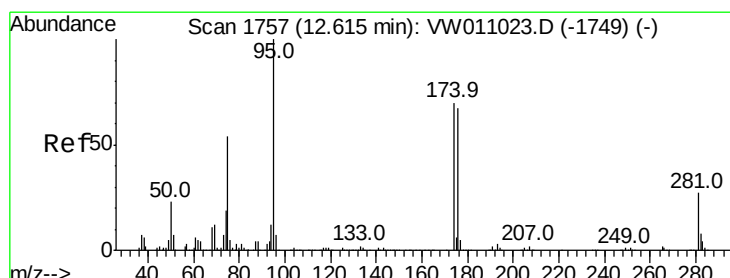
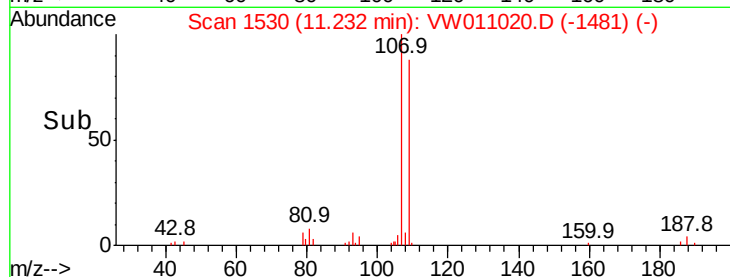
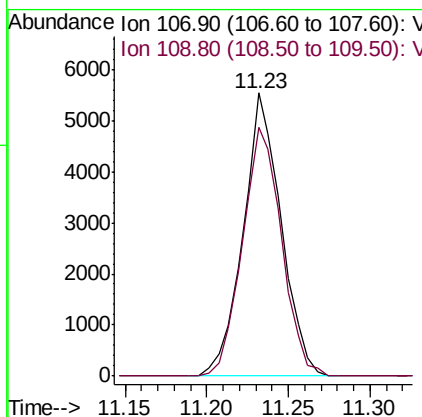
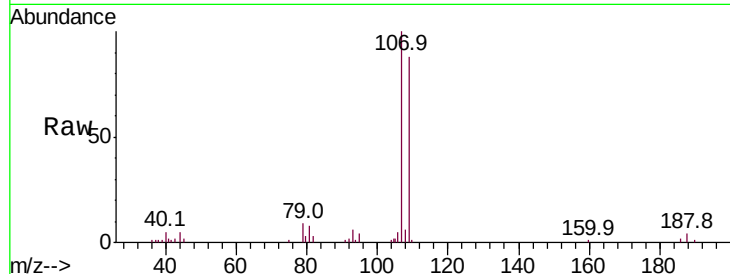
#61
1,2-Dibromoethane
Concen: 5.078 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.4	75.1	112.7

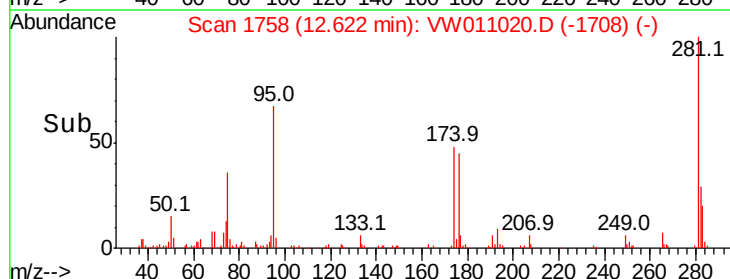
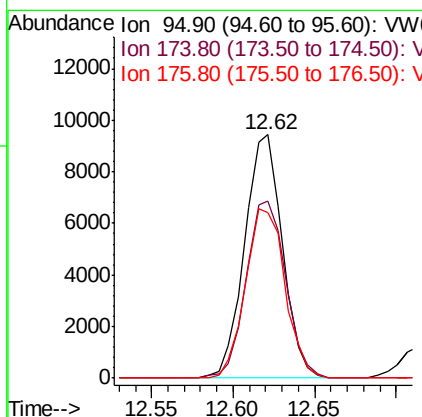
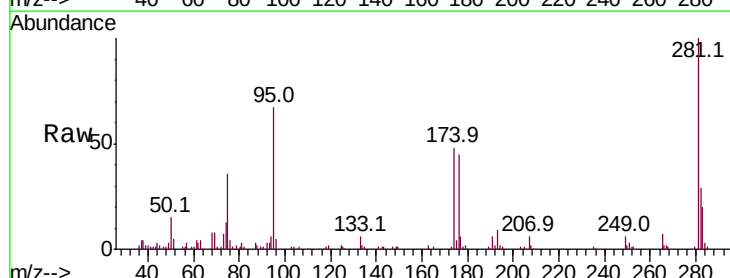
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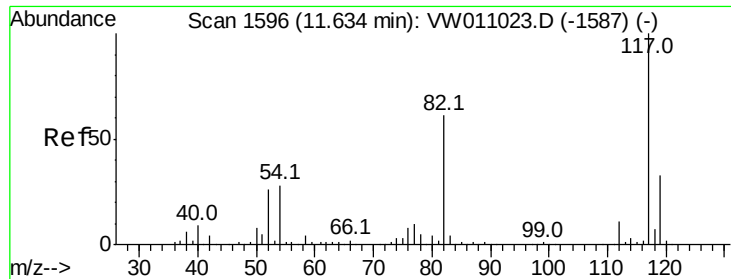
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 4.540 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	149.2
176	72.6	0.0	143.6





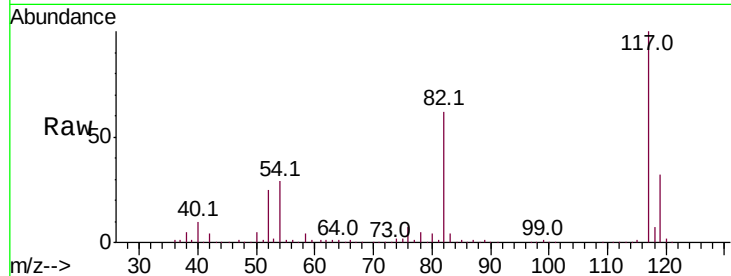
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	330135		
82	62.1	48.6	73.0	
119	31.5	26.1	39.1	

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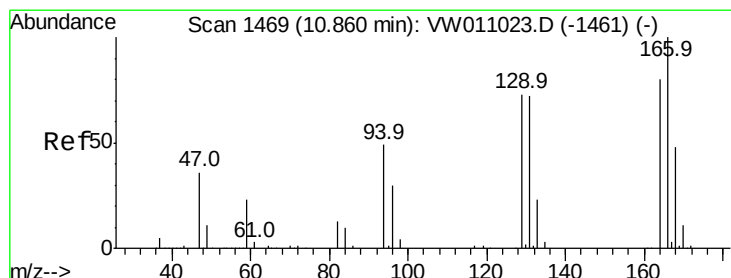
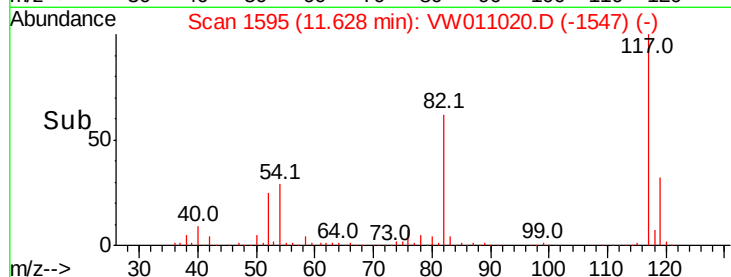
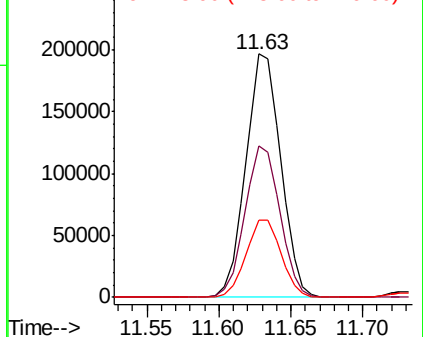


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 4.966 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	10945		
166	125.7	99.8	149.6	
129	95.6	73.0	109.4	
131	89.7	71.4	107.0	

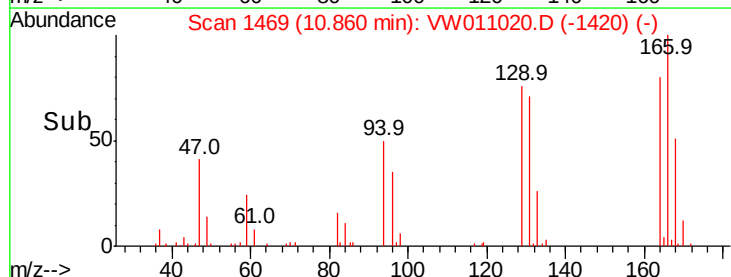
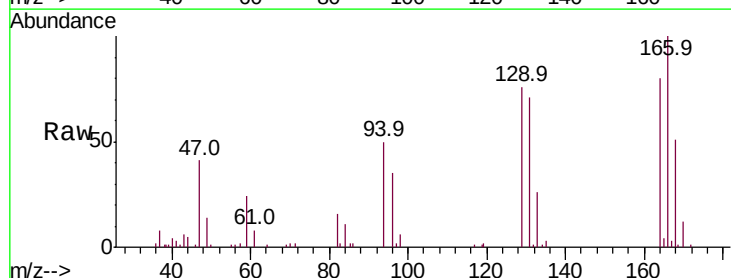
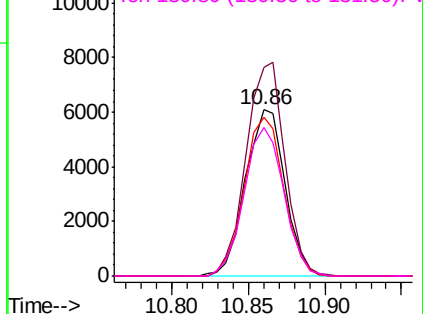
Abundance

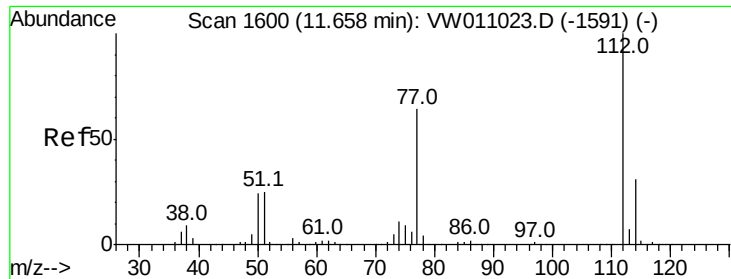
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





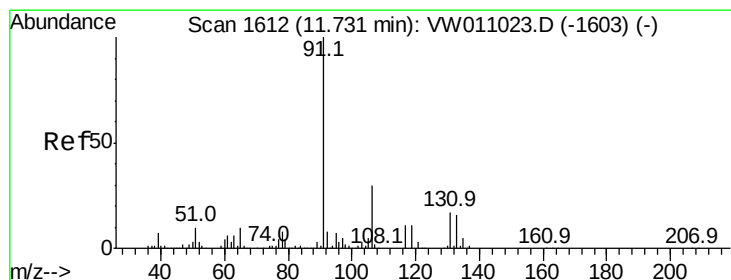
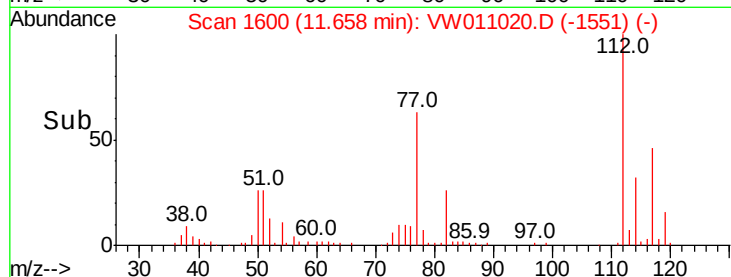
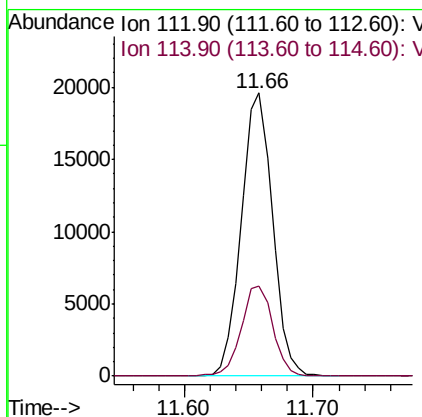
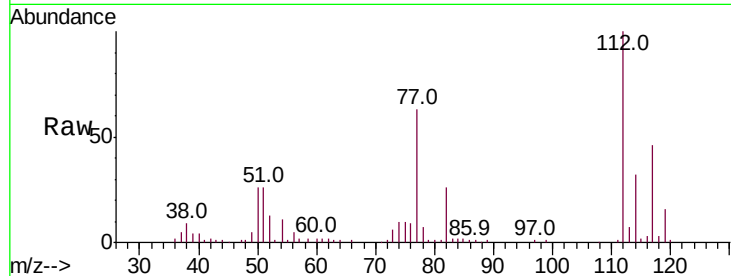
#65
Chlorobenzene
Concen: 5.025 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 32870
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8

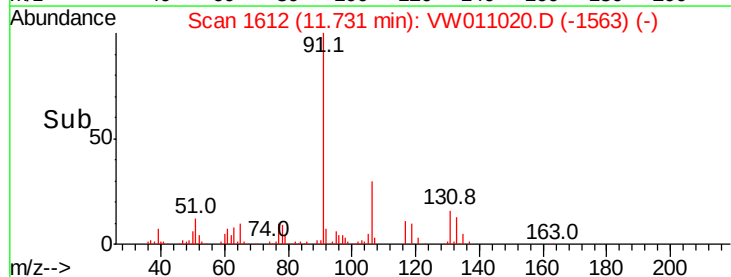
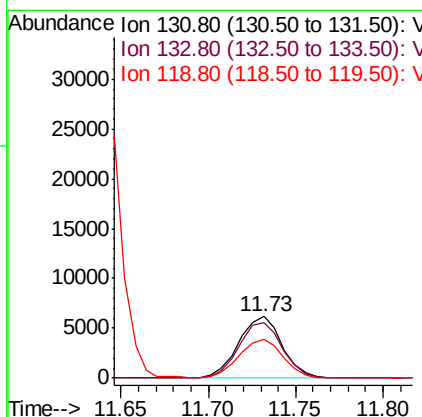
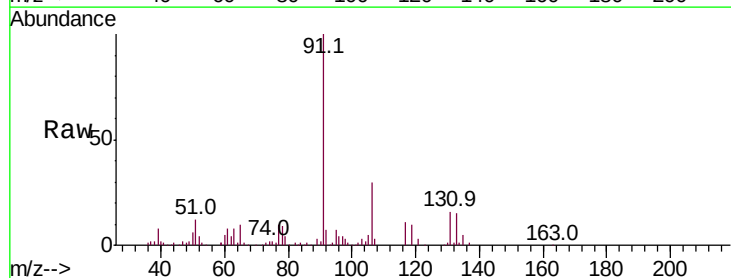
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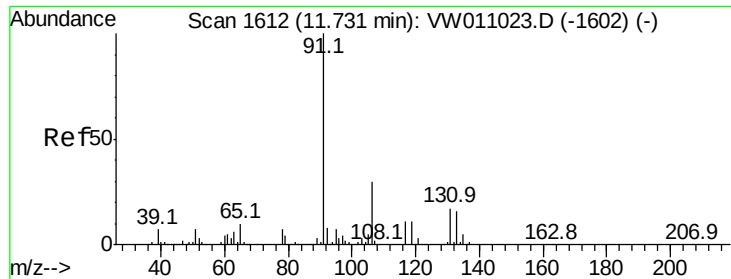
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.741 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion:131 Resp: 10672
Ion Ratio Lower Upper
131 100
133 91.9 47.7 143.1
119 64.3 33.1 99.2





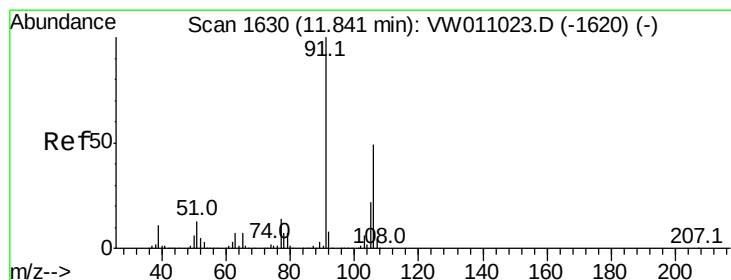
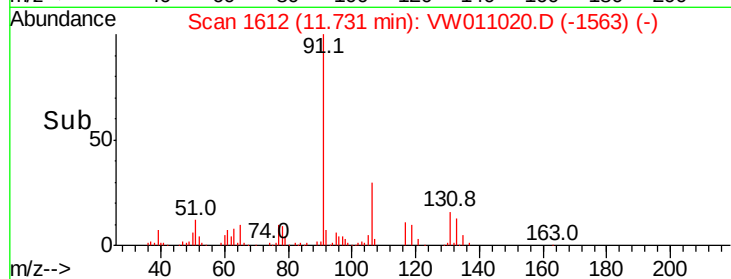
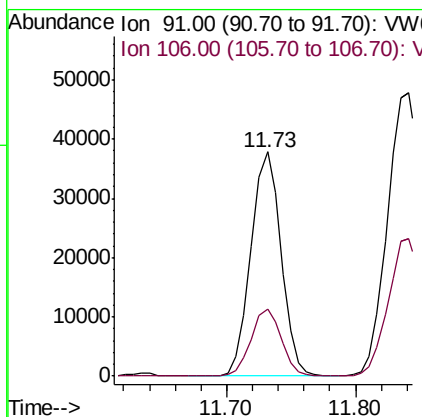
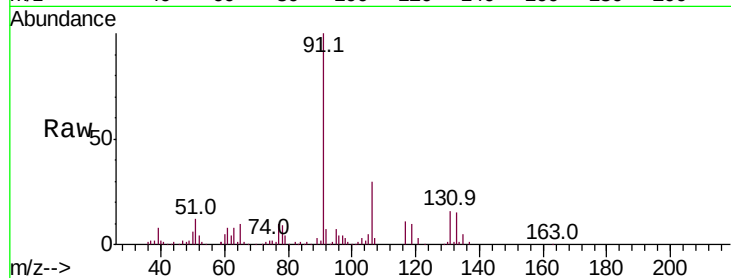
#67
Ethyl Benzene
Concen: 4.858 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 61074
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

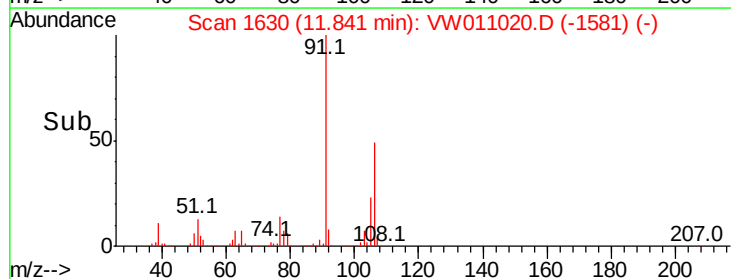
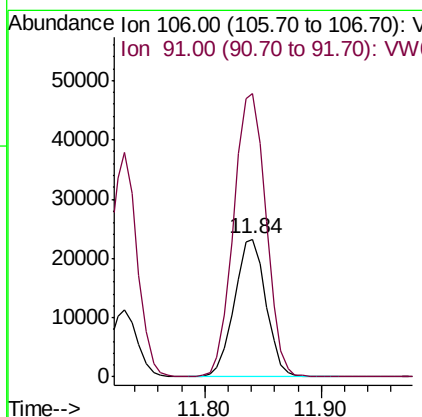
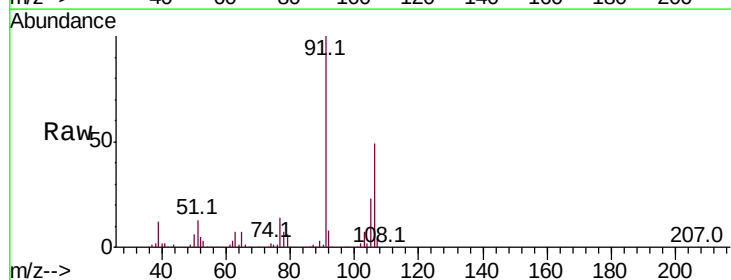
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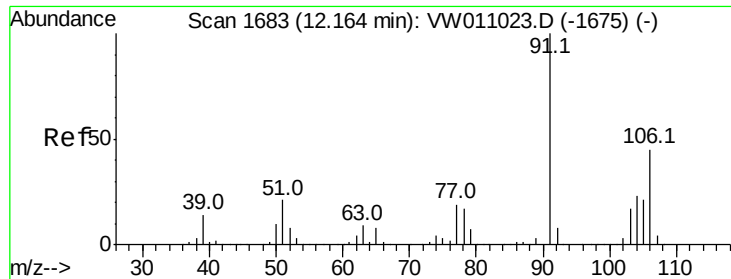
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#68
m/p-Xylenes
Concen: 9.762 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion: 106 Resp: 44074
Ion Ratio Lower Upper
106 100
91 211.0 167.5 251.3





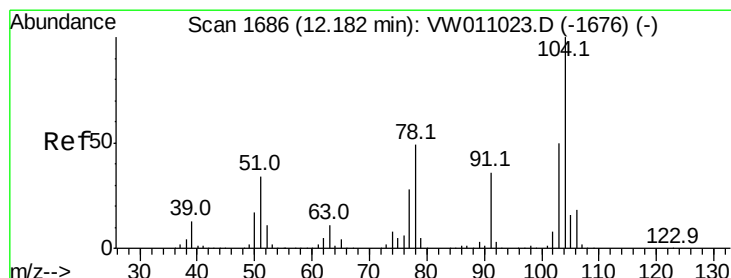
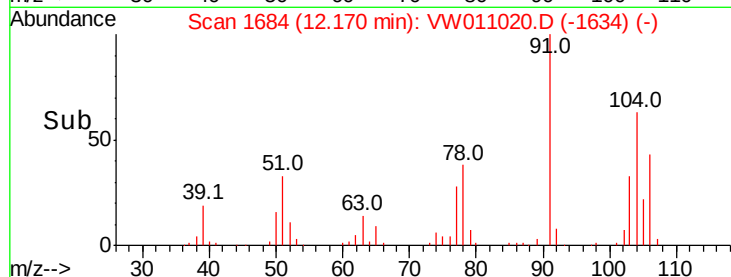
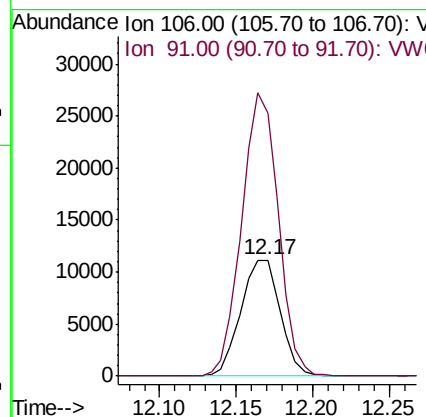
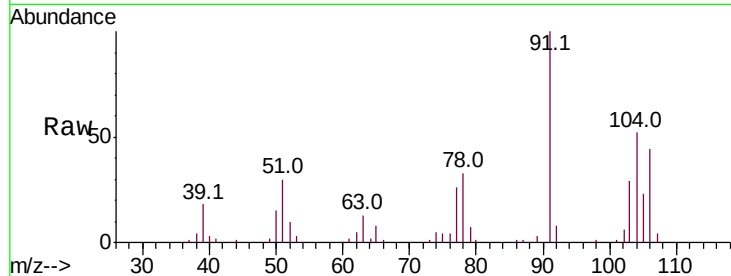
#69
o-Xylene
Concen: 4.664 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 19914
Ion Ratio Lower Upper
106 100
91 228.5 110.8 332.3

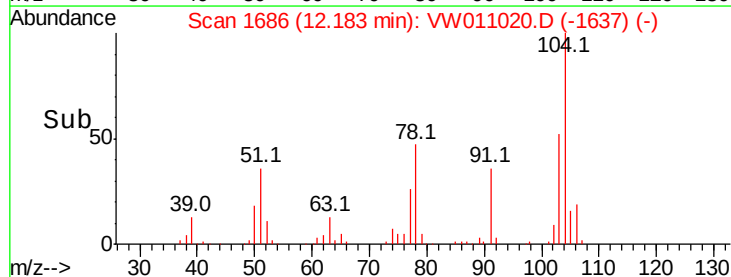
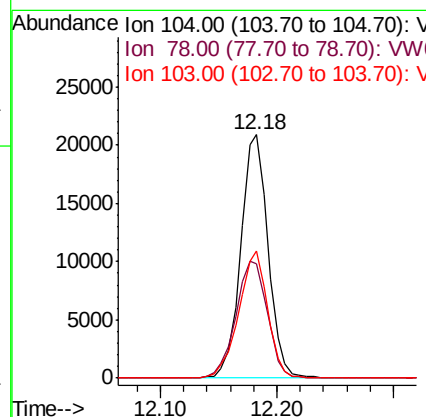
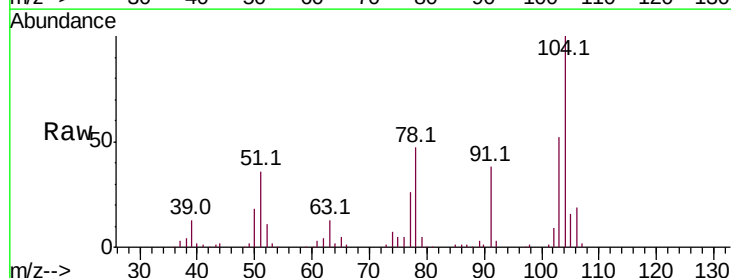
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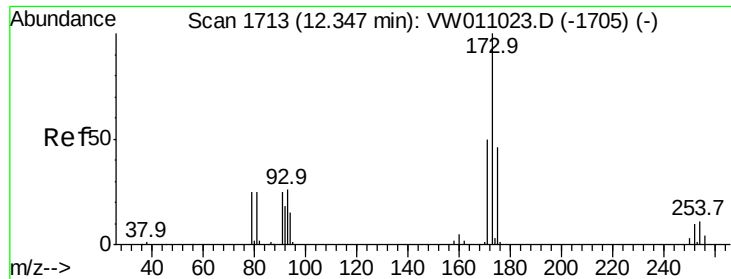
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#70
Styrene
Concen: 4.611 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion:104 Resp: 34225
Ion Ratio Lower Upper
104 100
78 55.5 43.7 65.5
103 55.1 43.9 65.9





#71

Bromoform

Concen: 4.130 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 4791

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.2

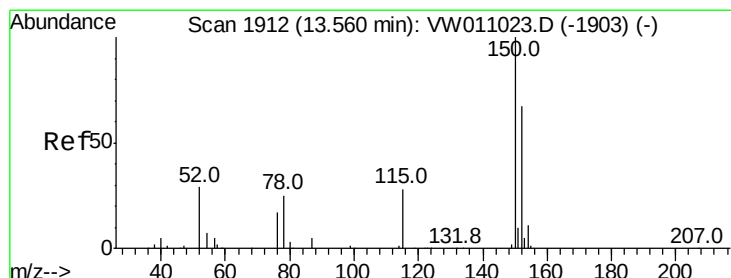
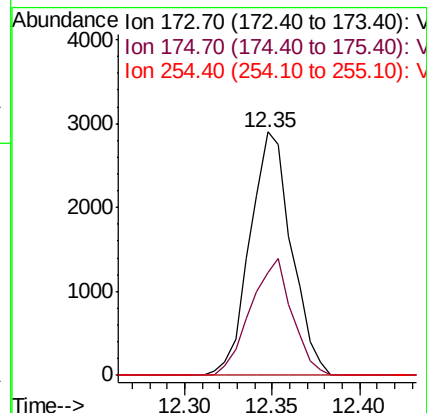
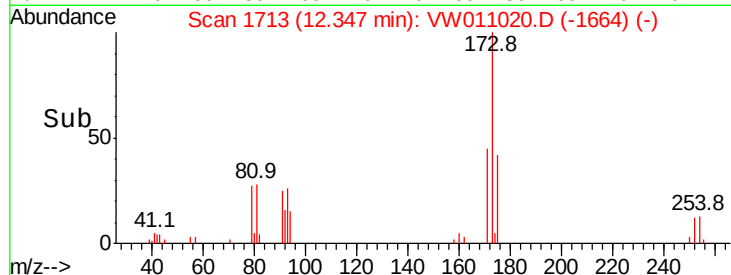
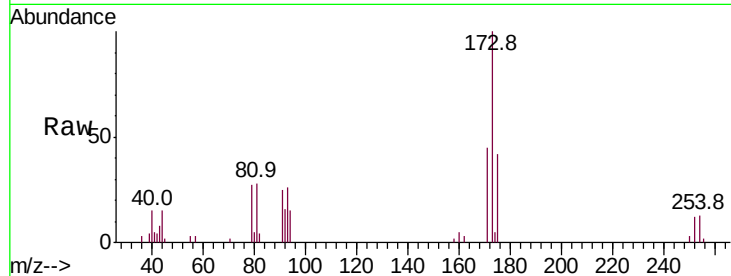
254 0.0 0.0 0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

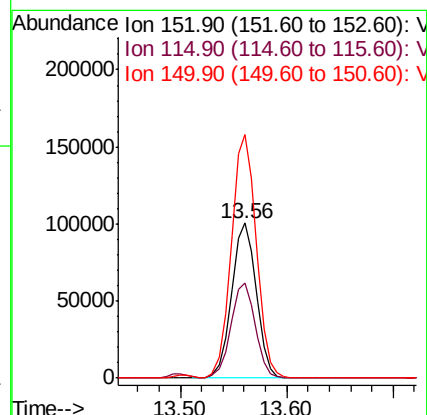
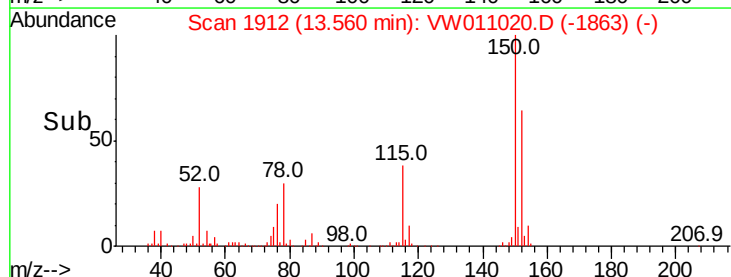
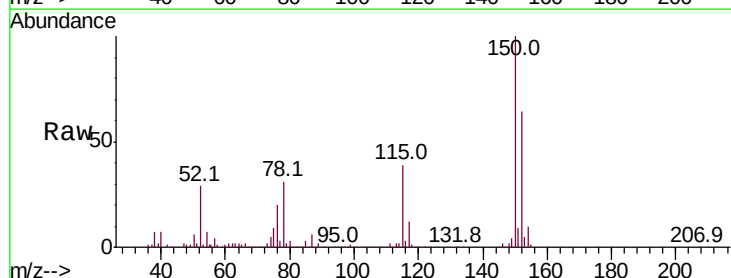
Tgt Ion:152 Resp: 162304

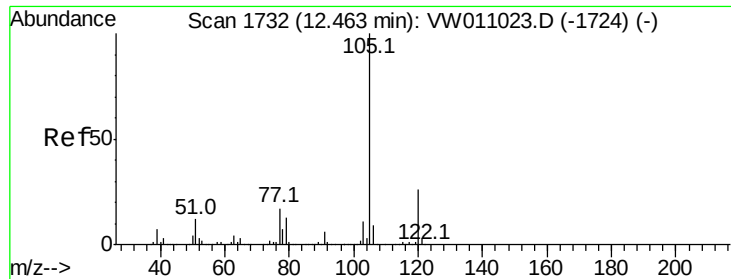
Ion Ratio Lower Upper

152 100

115 61.0 30.7 92.1

150 159.6 0.0 341.8





#73

Isopropylbenzene

Concen: 4.647 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 56488

Ion Ratio Lower Upper

105 100

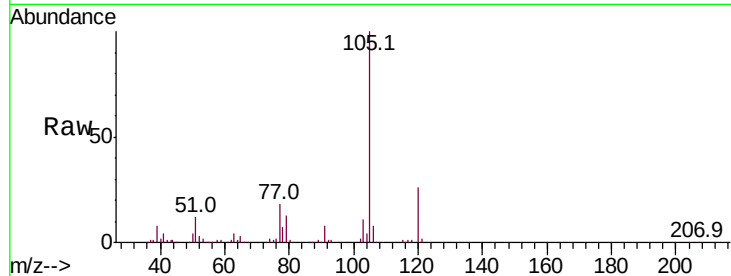
120 26.0 12.9 38.6

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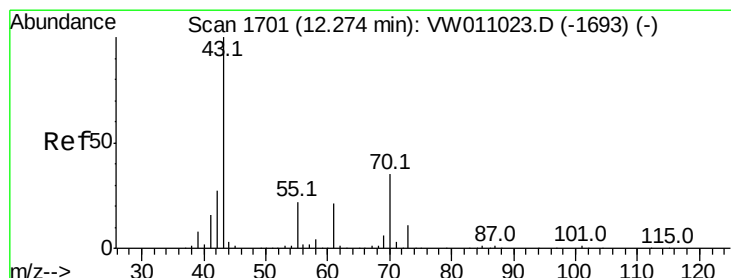
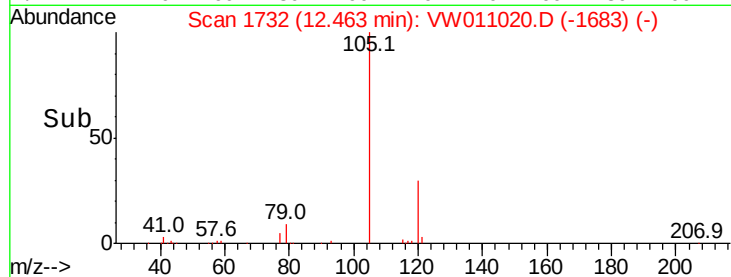
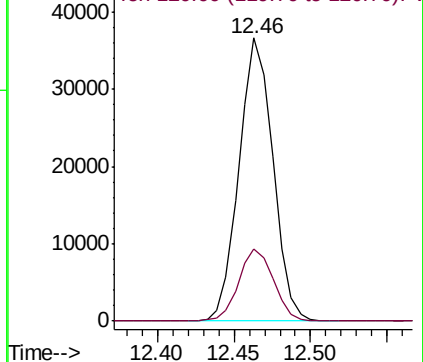
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 4.455 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion: 43 Resp: 17765

Ion Ratio Lower Upper

43 100

70 37.0 28.2 42.4

55 25.3 17.8 26.8

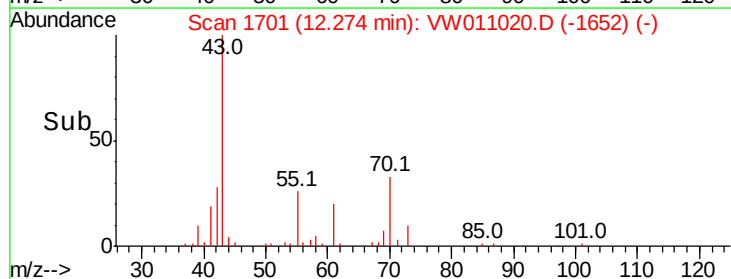
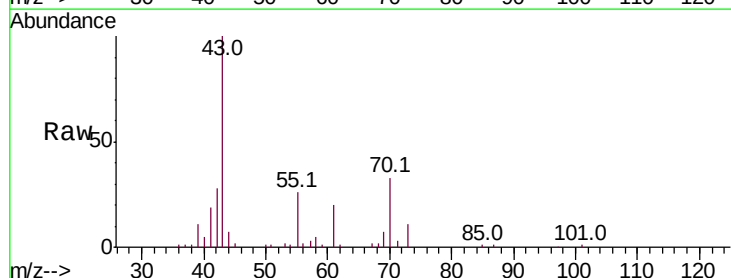
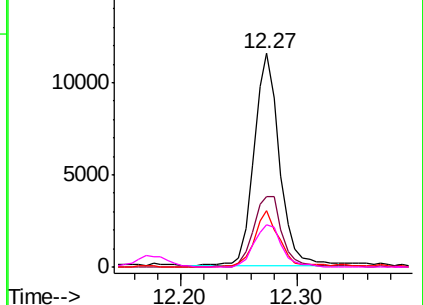
61 21.4 16.6 24.8

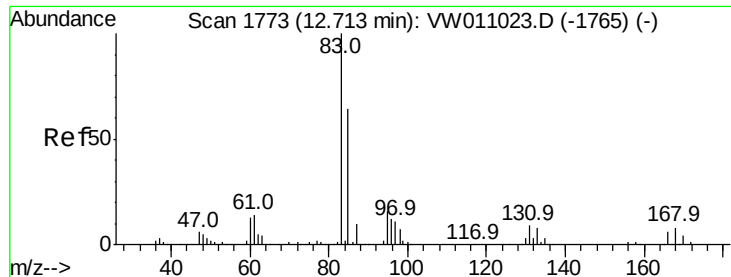
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 4.945 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

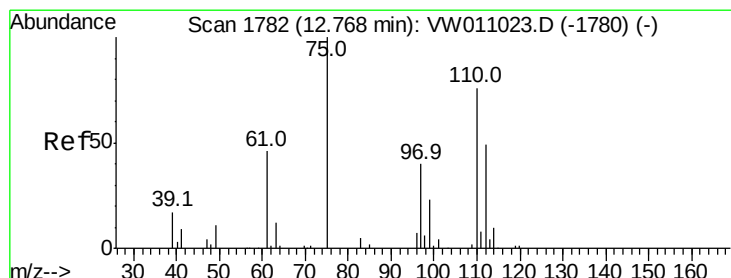
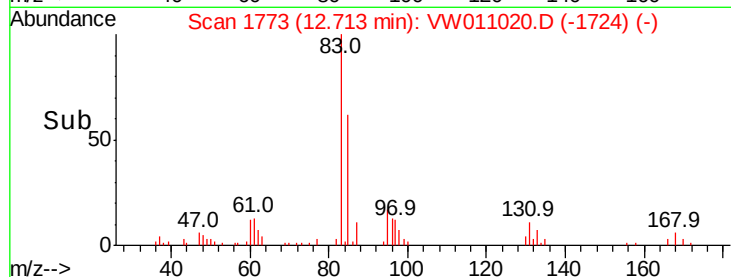
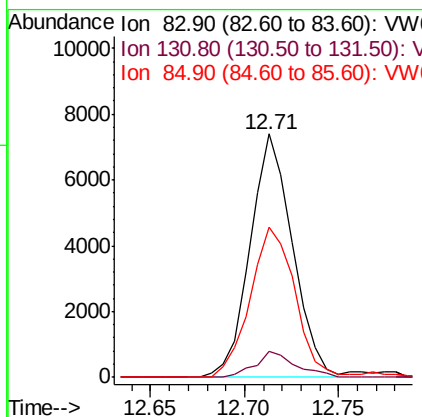
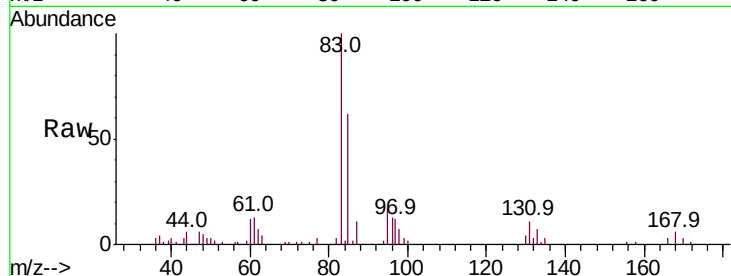
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11533
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	14.9
85	65.4	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 4.746 ug/l m

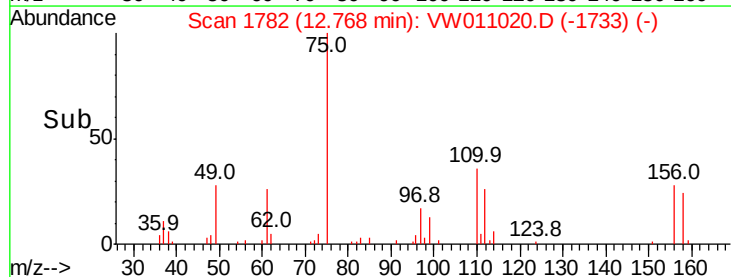
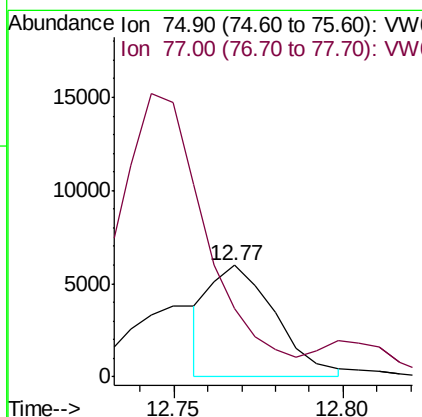
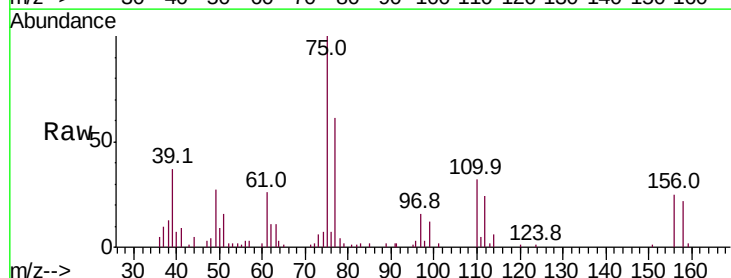
RT: 12.77 min Scan# 1782

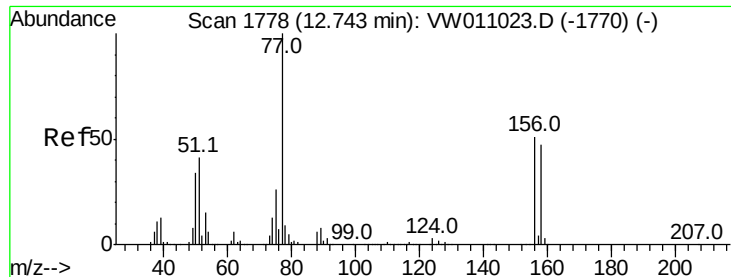
Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion:	75	Resp:	8121
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.823 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 12788

Ion Ratio Lower Upper

156 100

77 218.1 109.5 328.5

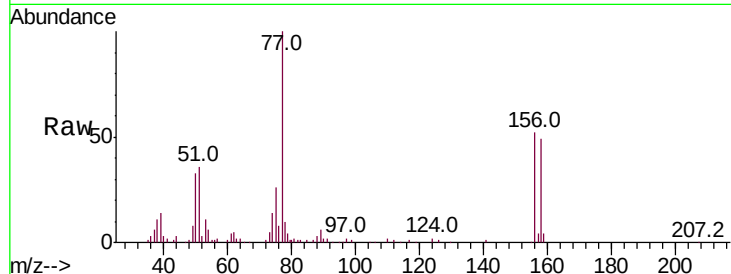
158 97.4 48.6 145.9

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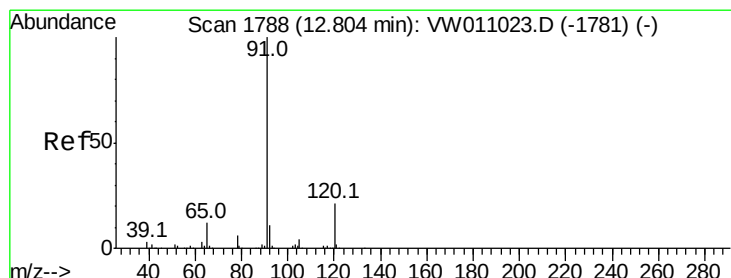
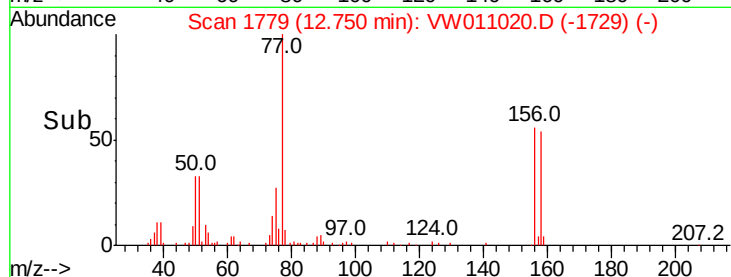
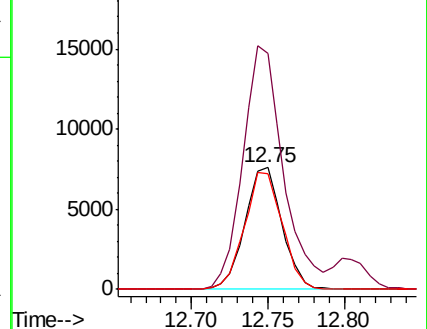
6/28/2019 10:24:49 AM



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: 4.768 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011020.D

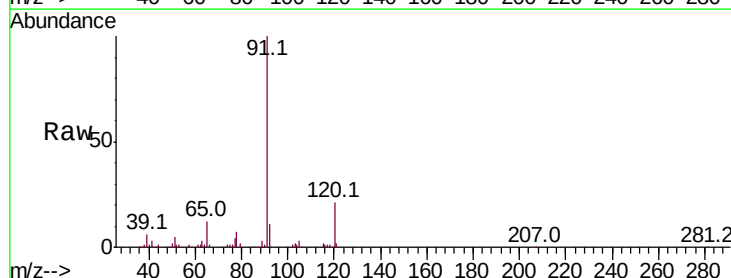
Acq: 27 Jun 2019 15:01

Tgt Ion: 91 Resp: 70279

Ion Ratio Lower Upper

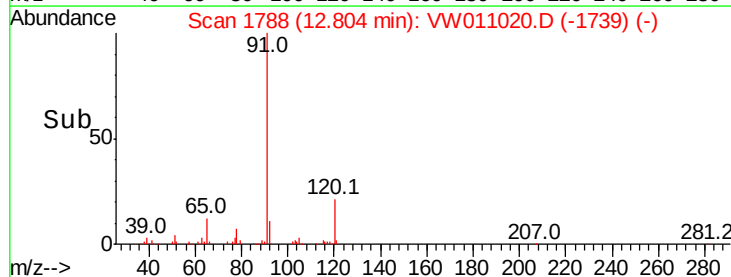
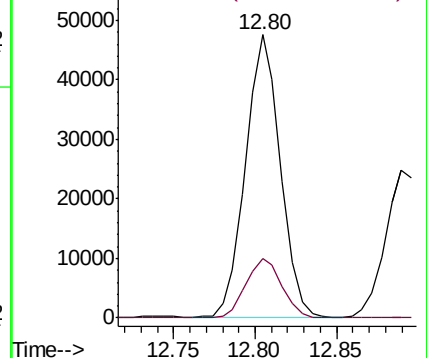
91 100

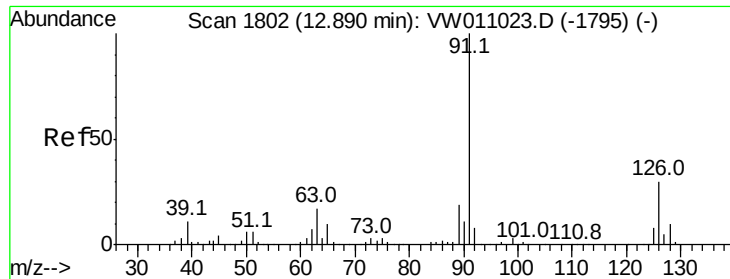
120 21.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





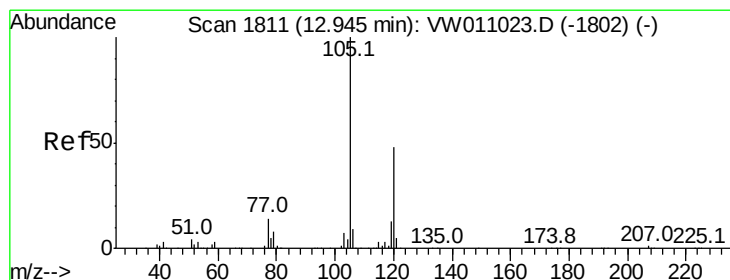
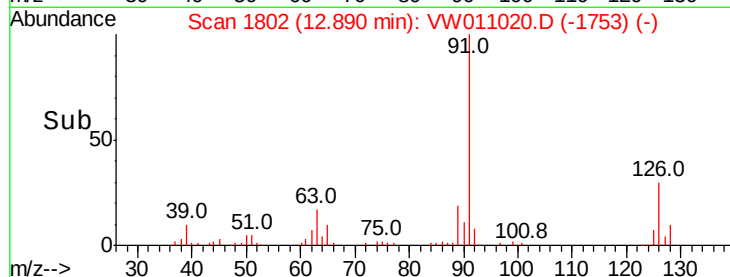
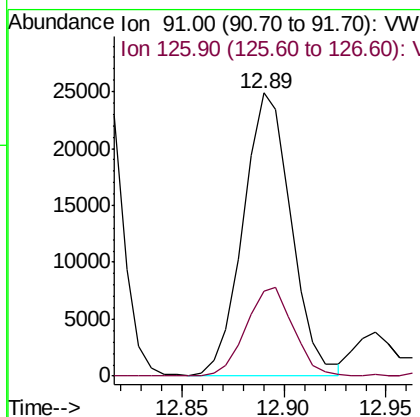
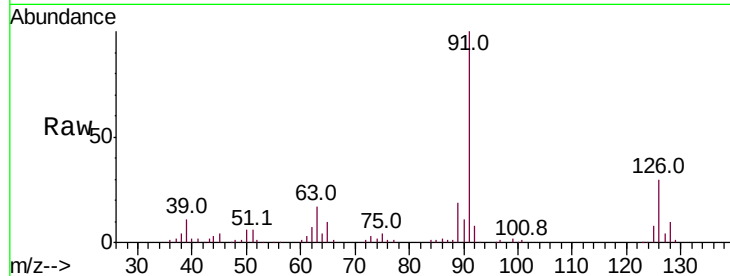
#79
 2-Chlorotoluene
 Concen: 4.823 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 40606
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.4 46.4

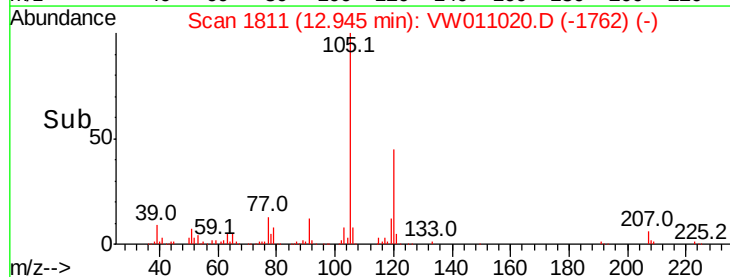
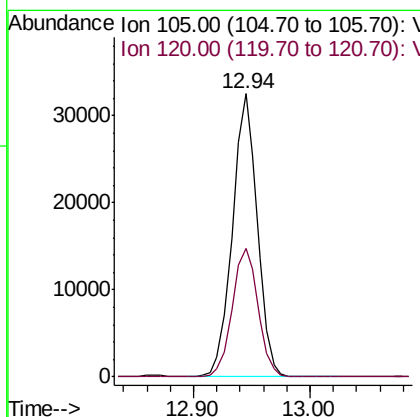
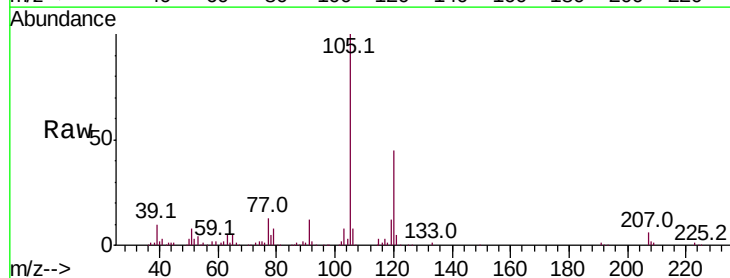
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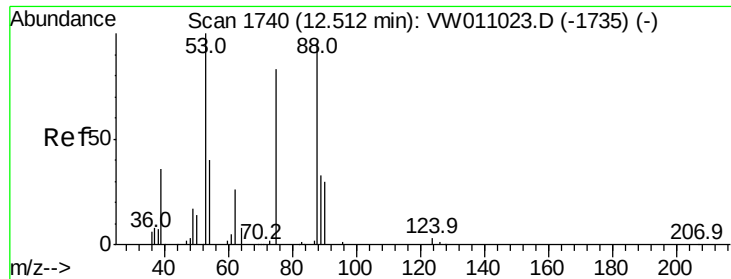
MMDadoda
 6/28/2019 10:24:49 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.831 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion:105 Resp: 48436
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 3.687 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Instrument :

MSVOA_W

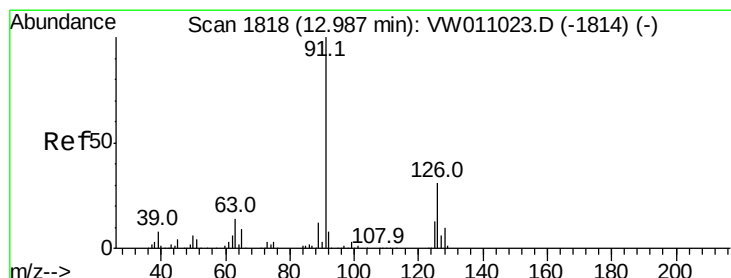
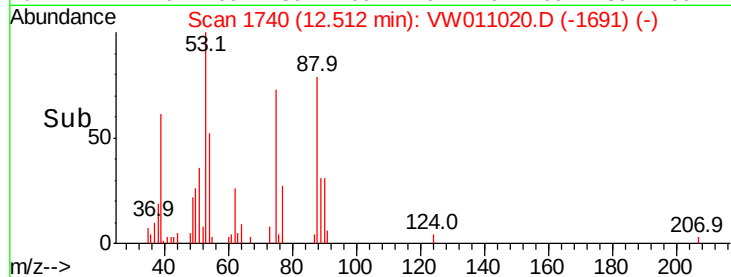
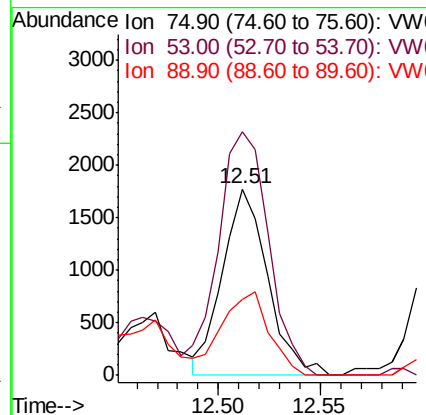
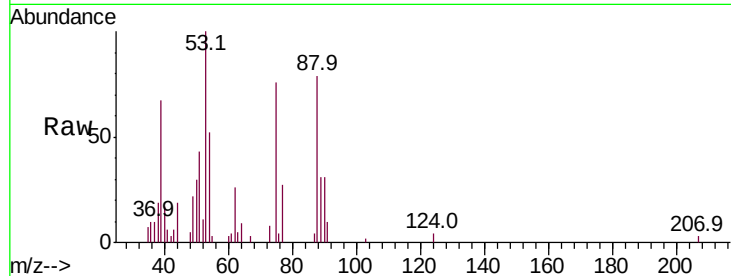
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	146.6	95.6	143.4#
89	47.0	34.4	51.6

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#82

4-Chlorotoluene

Concen: 4.918 ug/l

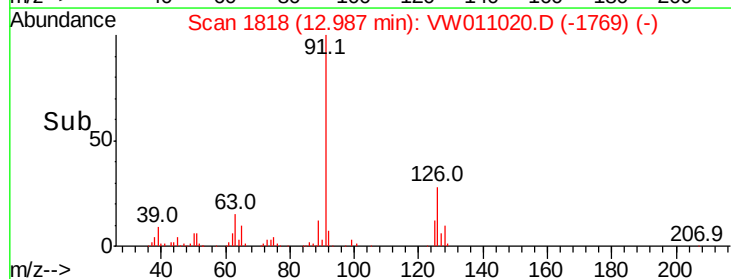
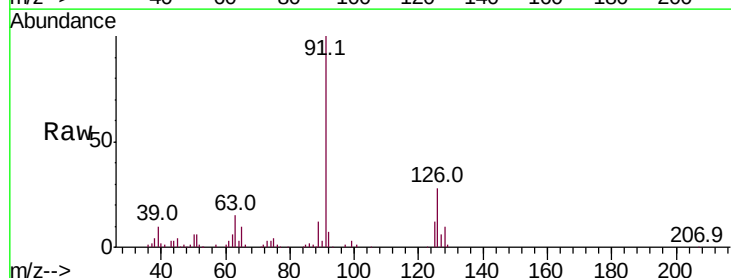
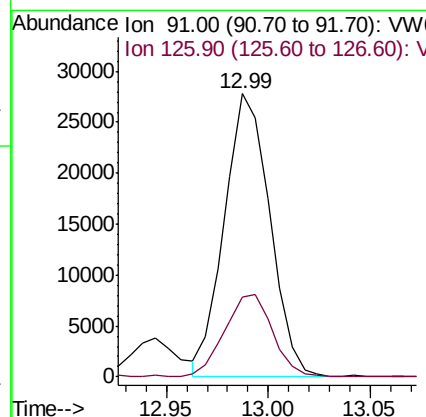
RT: 12.99 min Scan# 1818

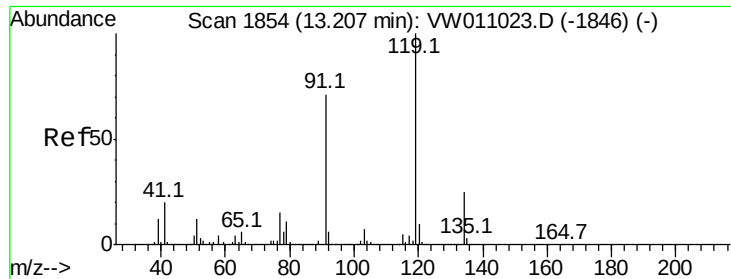
Delta R.T. 0.00 min

Lab File: VW011020.D

Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.7	47.1





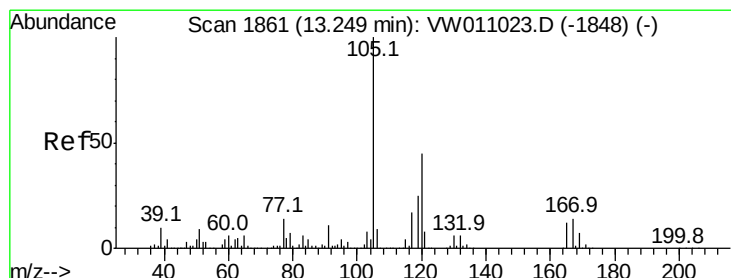
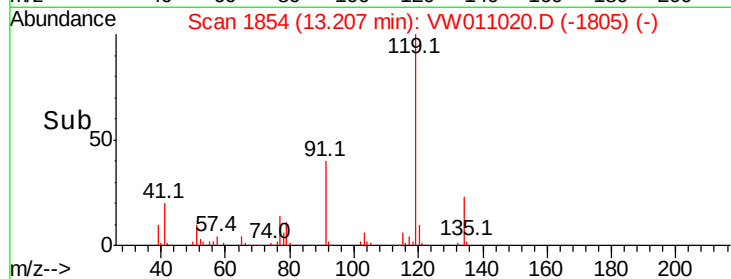
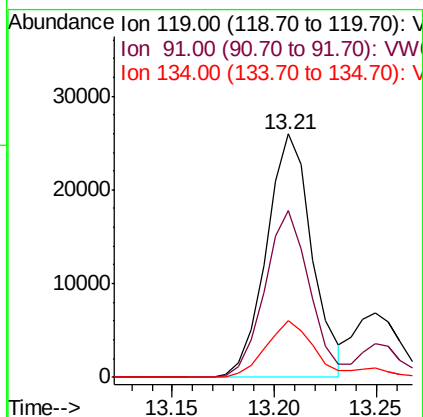
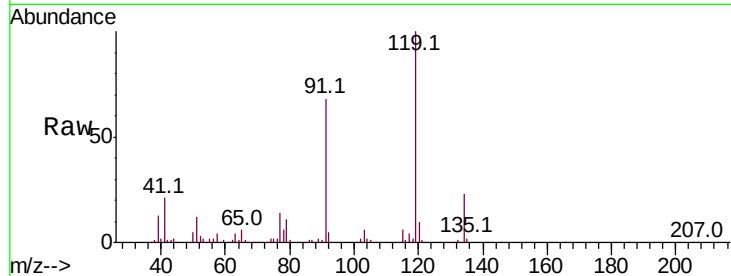
#83
tert-Butylbenzene
Concen: 4.766 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	35.5	106.5
134	24.1	12.4	37.2

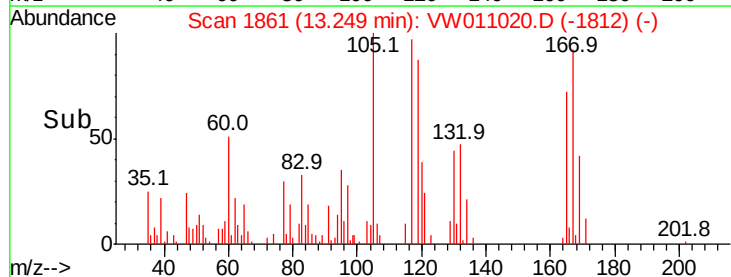
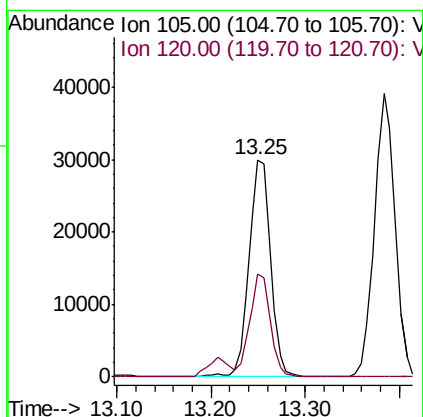
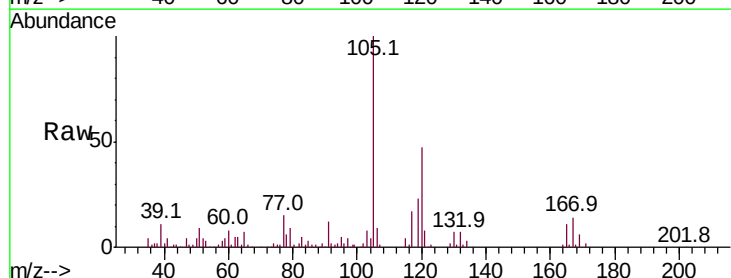
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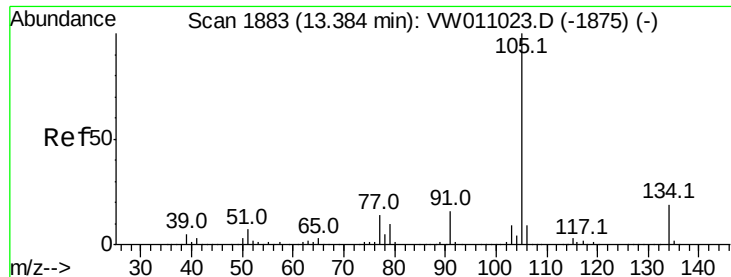
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#84
1,2,4-Trimethylbenzene
Concen: 4.806 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.2





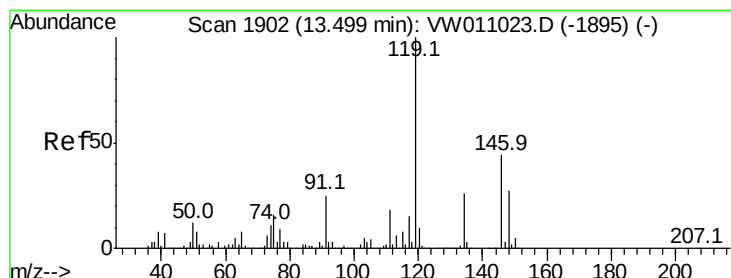
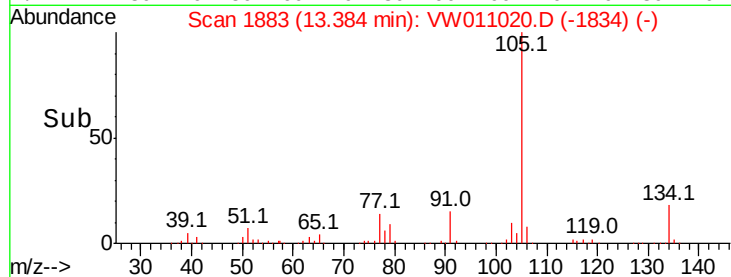
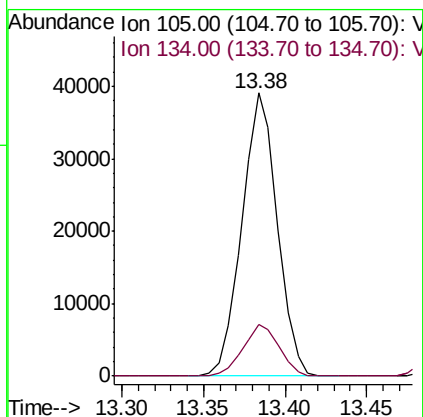
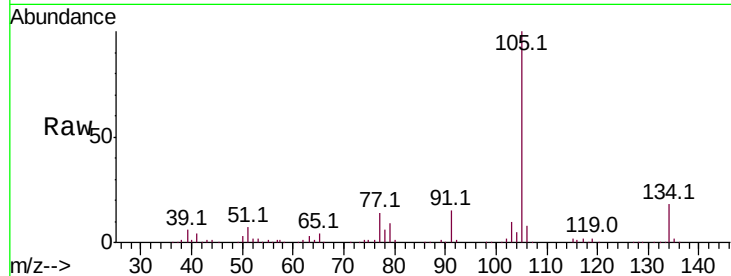
#85
 sec-Butylbenzene
 Concen: 4.791 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.8

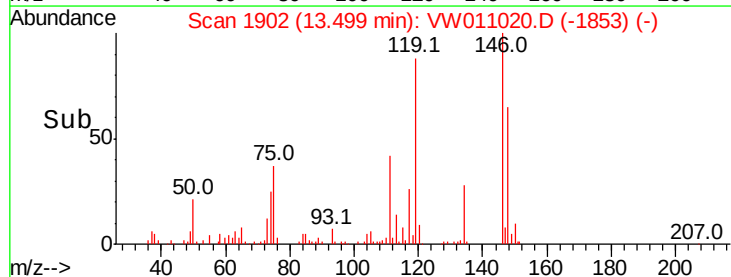
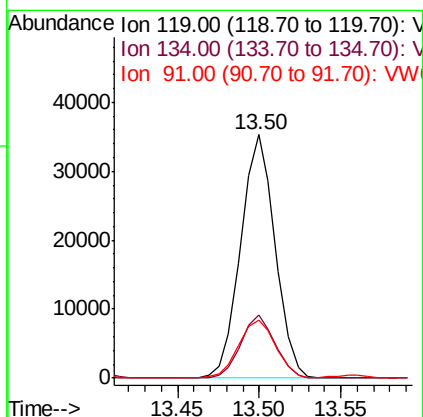
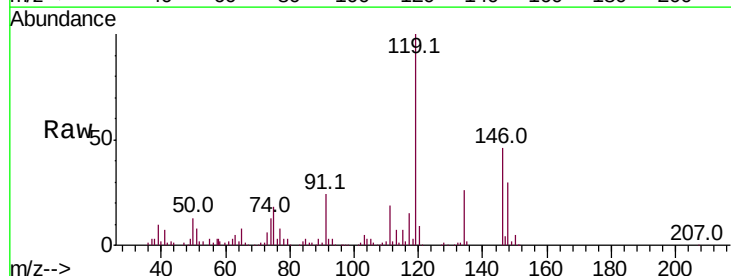
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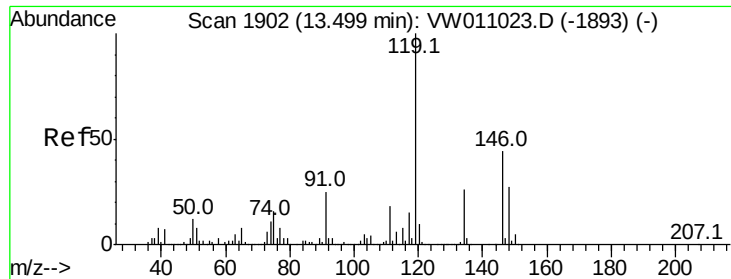
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 6/28/2019 10:24:49 AM



#86
 p-Isopropyltoluene
 Concen: 4.711 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.7
91	25.8	12.3	36.9





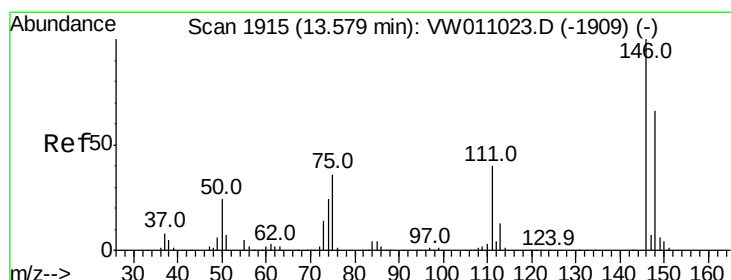
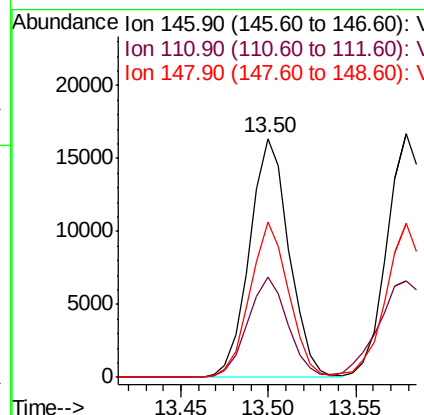
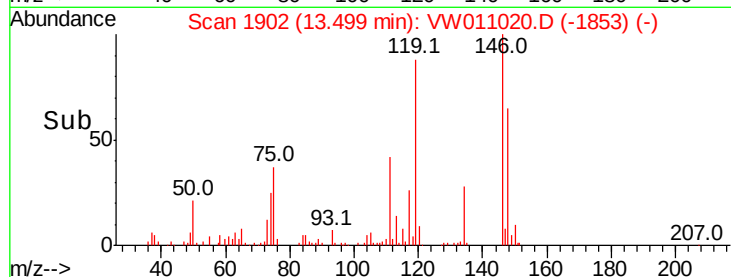
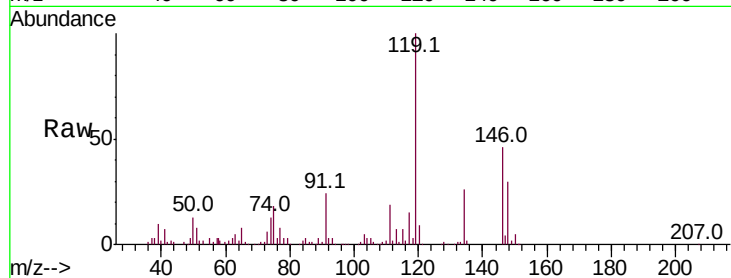
#87
 1,3-Dichlorobenzene
 Concen: 5.008 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.9	62.8
148	63.7	31.8	95.4

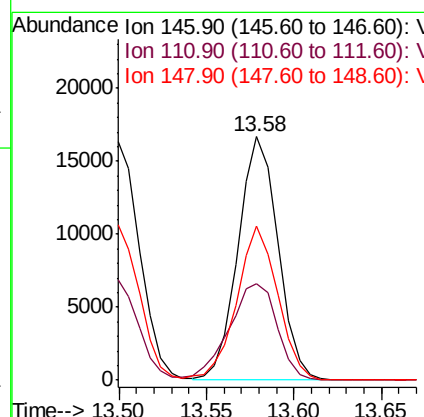
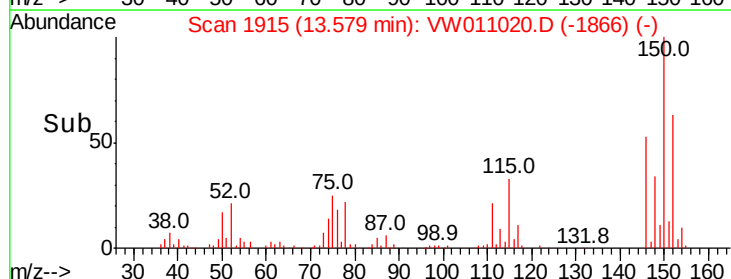
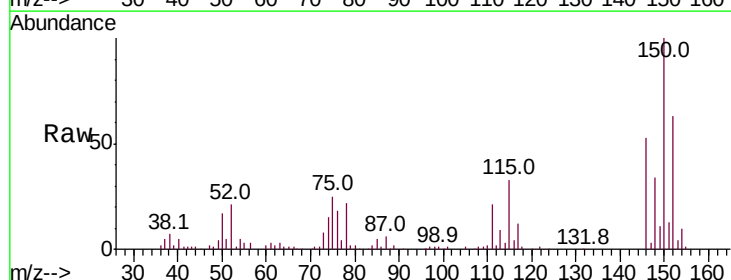
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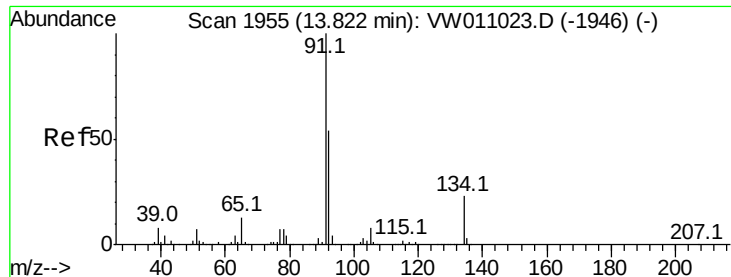
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#88
 1,4-Dichlorobenzene
 Concen: 5.197 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	20.6	61.9
148	65.1	32.4	97.2





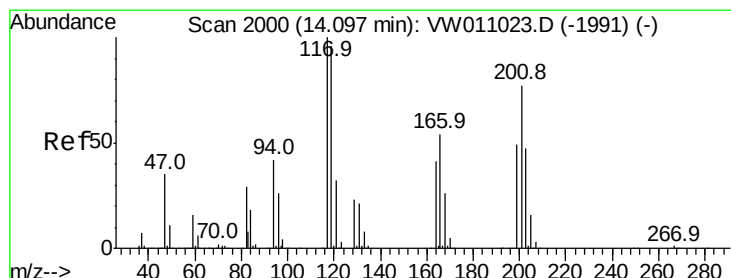
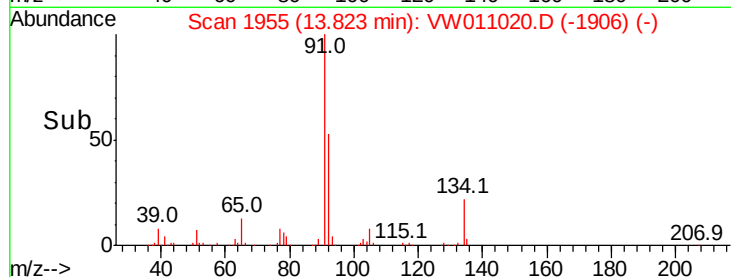
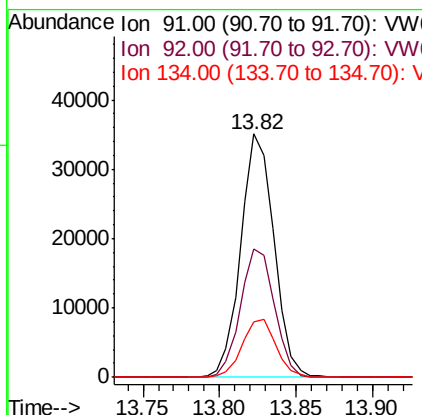
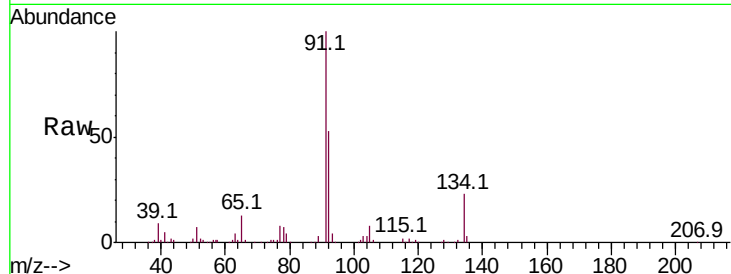
#89
n-Butylbenzene
Concen: 4.798 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	24.1	12.0	36.1

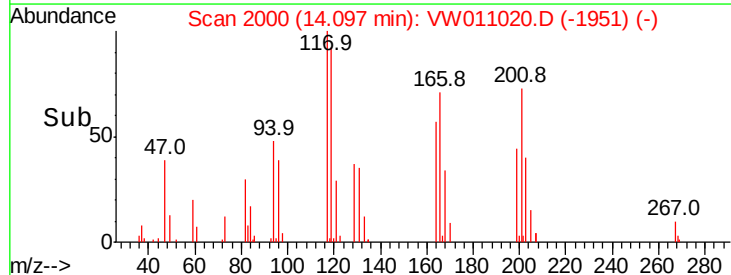
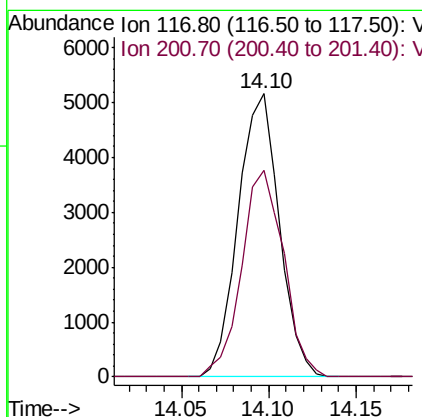
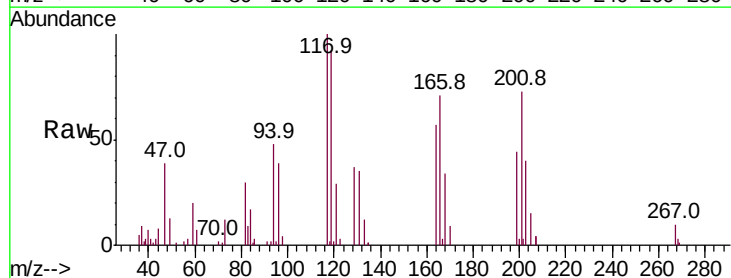
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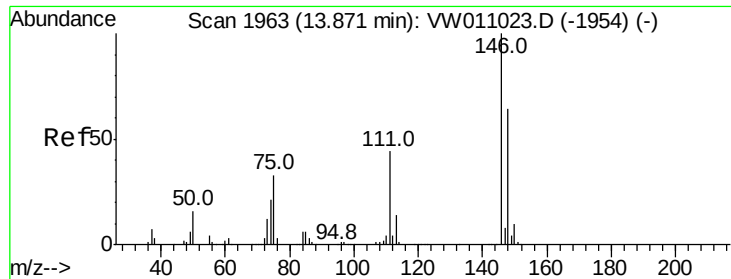
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#90
Hexachloroethane
Concen: 4.311 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	38.0	114.0





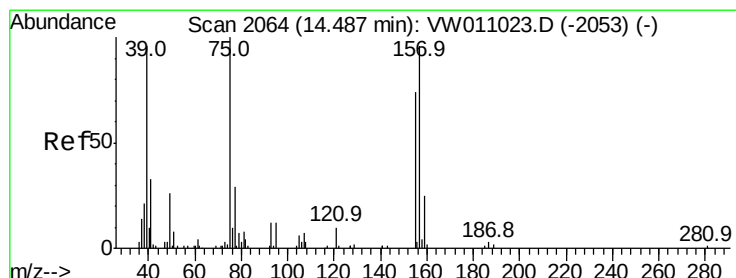
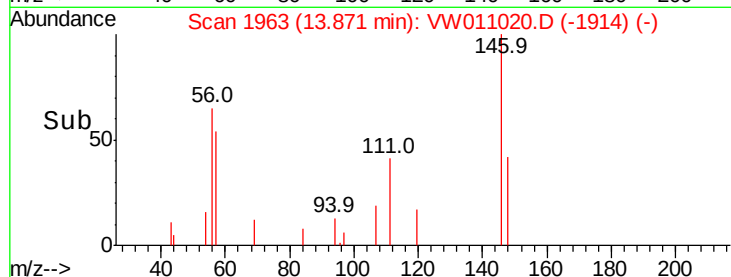
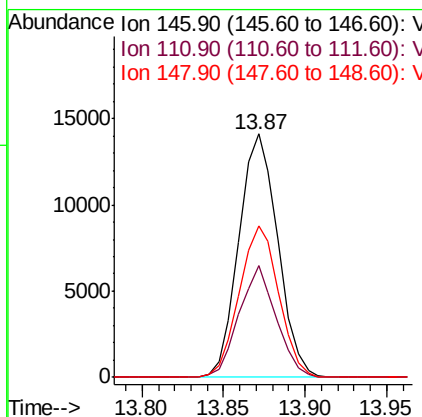
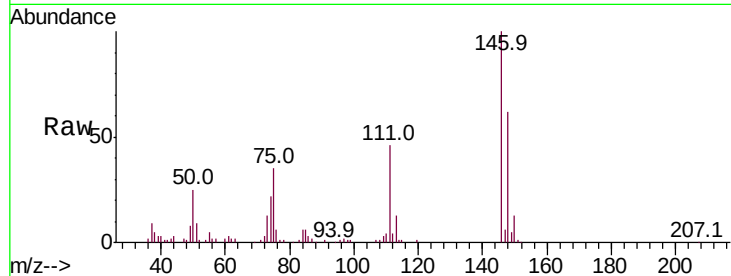
#91
 1,2-Dichlorobenzene
 Concen: 5.054 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.4	64.3
148	63.0	31.8	95.3

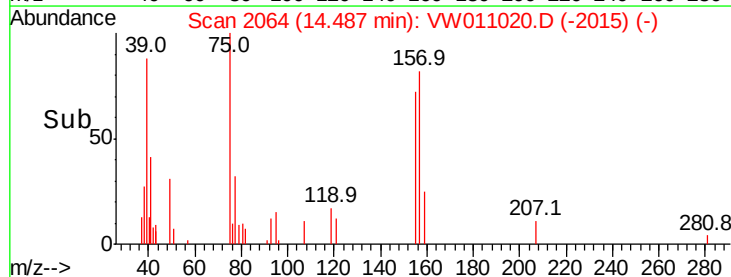
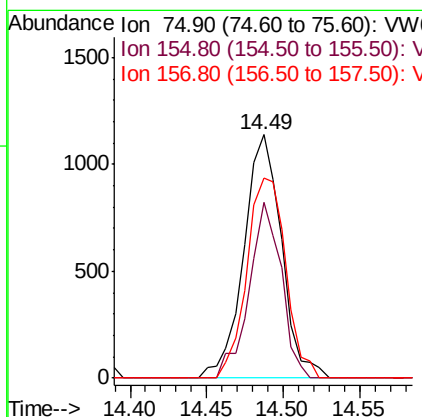
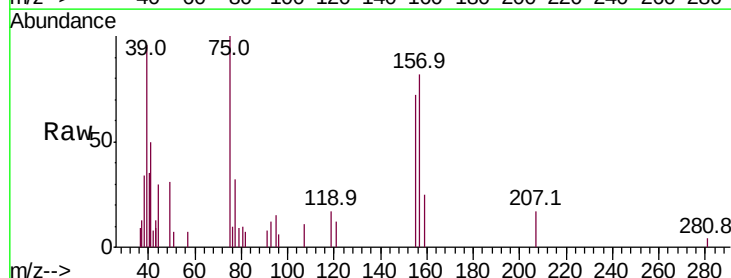
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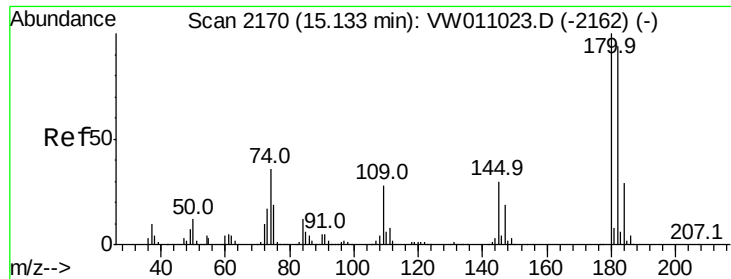
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.856 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.4	37.0	110.9
157	84.9	45.9	137.7





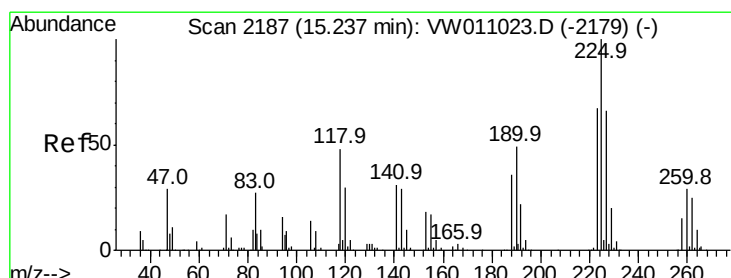
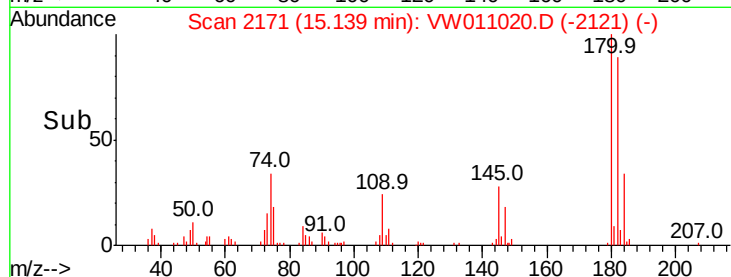
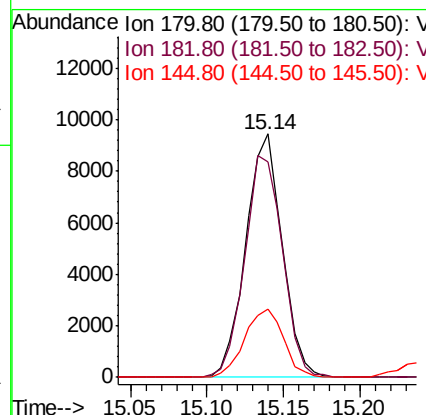
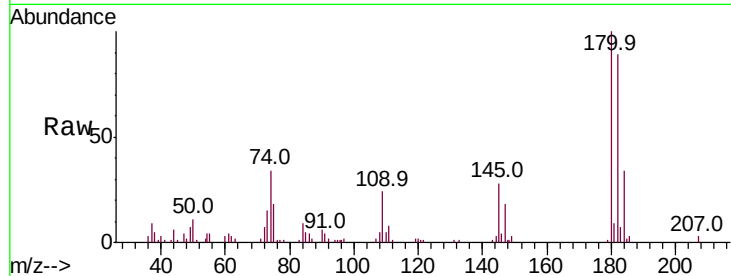
#93
 1,2,4-Trichlorobenzene
 Concen: 4.799 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.2
145	29.9	15.3	45.8

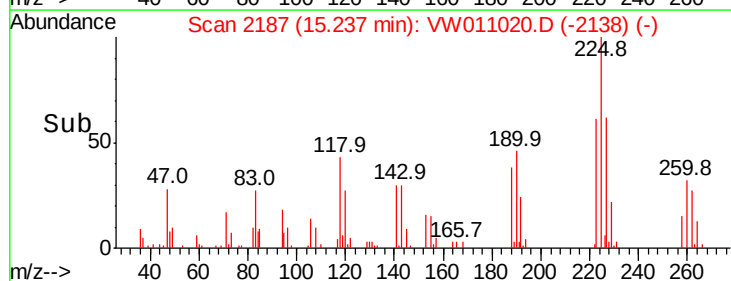
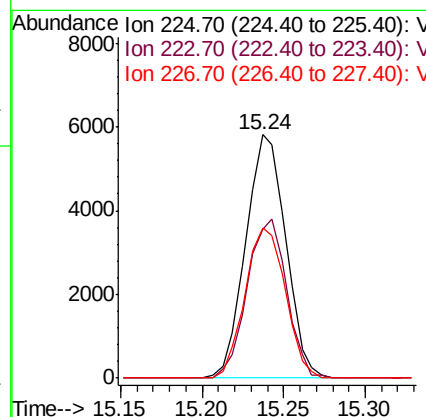
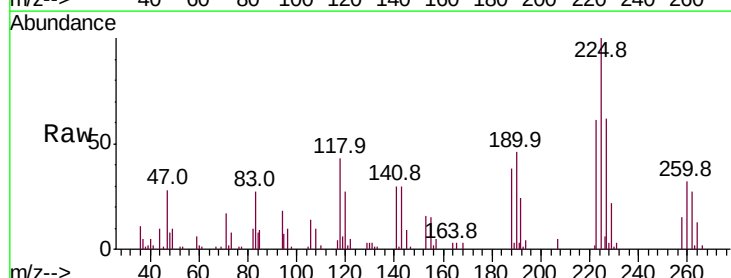
Manual Integrations
 APPROVED

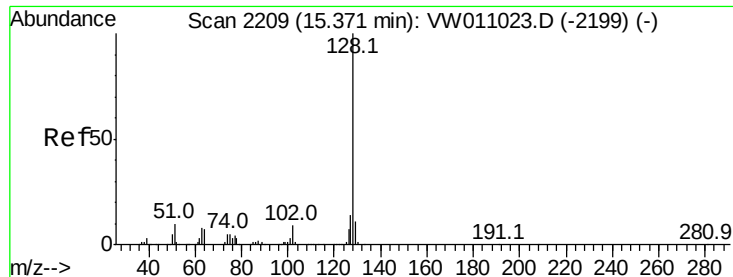
MMDadoda
 6/28/2019 10:24:49 AM



#94
 Hexachlorobutadiene
 Concen: 4.900 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011020.D
 Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.9	95.9
227	62.5	31.9	95.9





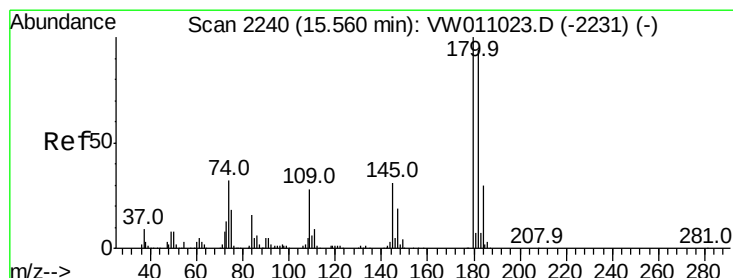
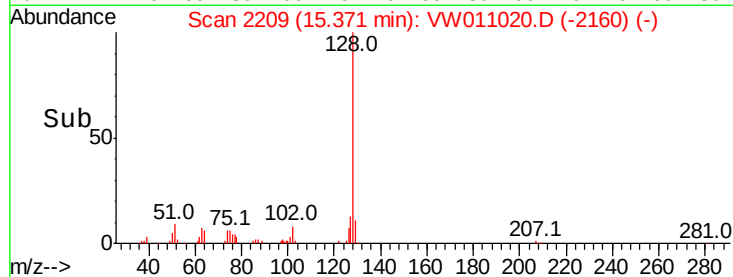
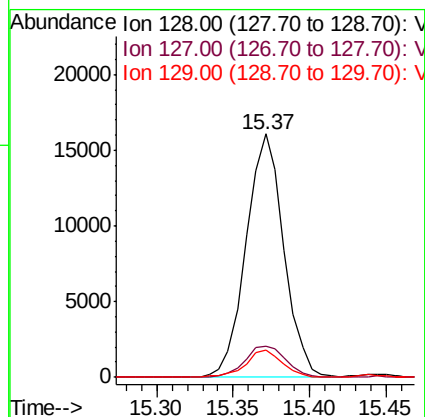
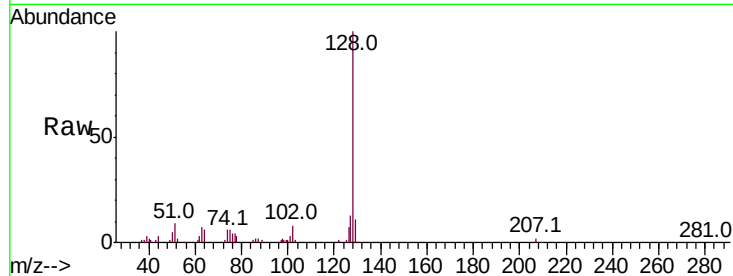
#95
Naphthalene
Concen: 4.602 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 5.321 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011020.D
Acq: 27 Jun 2019 15:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.0	47.9	143.7
145	30.5	16.1	48.2

