

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010331.D
 Acq On : 09 May 2019 11:38
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:16 AM

Quant Time: May 09 13:19:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1344192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2150823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1917399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	955481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147166	8.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.74%	
35) Dibromofluoromethane	7.88	113	127201	9.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.60%	
50) Toluene-d8	10.32	98	518077	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	
62) 4-Bromofluorobenzene	12.62	95	171085	9.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	93807	9.153	ug/l	97
3) Chloromethane	2.21	50	125196	12.215	ug/l	97
4) Vinyl Chloride	2.36	62	162425	13.633	ug/l	96
5) Bromomethane	2.77	94	96265	12.023	ug/l	96
6) Chloroethane	2.92	64	93714	12.039	ug/l	92
7) Trichlorofluoromethane	3.25	101	78983	9.588	ug/l	98
8) Diethyl Ether	3.67	74	75969	11.087	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140048	10.104	ug/l	96
10) Methyl Iodide	4.26	142	193143	10.083	ug/l	94
11) Tert butyl alcohol	5.18	59	49678	52.577	ug/l	99
12) 1,1-Dichloroethene	4.03	96	145871	10.977	ug/l	91
13) Acrolein	3.89	56	65745	66.139	ug/l	98
14) Allyl chloride	4.65	41	212675	9.002	ug/l	91
15) Acrylonitrile	5.36	53	202795	57.510	ug/l	98
16) Acetone	4.12	43	174468	45.331	ug/l	91
17) Carbon Disulfide	4.37	76	423194	11.610	ug/l	99
18) Methyl Acetate	4.67	43	90263	10.133	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	166718	9.659	ug/l	93
20) Methylene Chloride	4.91	84	158921	8.975	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	155436	10.802	ug/l	97
22) Diisopropyl ether	6.31	45	425594	8.881	ug/l	96
23) Vinyl Acetate	6.25	43	1359736	45.073	ug/l	96
24) 1,1-Dichloroethane	6.21	63	287728	10.044	ug/l	99
25) 2-Butanone	7.17	43	266457	52.703	ug/l	97
26) 2,2-Dichloropropane	7.16	77	143876	9.078	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	157939	9.980	ug/l	97
28) Bromochloromethane	7.51	49	120844	10.322	ug/l	100
29) Tetrahydrofuran	7.52	42	168794	52.690	ug/l	96
30) Chloroform	7.67	83	271815	9.469	ug/l	95
31) Cyclohexane	7.95	56	296286	11.045	ug/l #	89
32) 1,1,1-Trichloroethane	7.87	97	209799	9.310	ug/l	99
36) 1,1-Dichloropropene	8.08	75	230271	10.481	ug/l	99
37) Ethyl Acetate	7.26	43	116249	10.413	ug/l #	96
38) Carbon Tetrachloride	8.06	117	198025	9.235	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	271515	10.982	ug/l	99
40) Benzene	8.32	78	647762	10.783	ug/l	99
41) Methacrylonitrile	7.49	41	62689	9.852	ug/l	92
42) 1,2-Dichloroethane	8.40	62	183496	8.888	ug/l	98
43) Isopropyl Acetate	8.43	43	186883	8.933	ug/l	97
44) Trichloroethene	9.09	130	158403	10.382	ug/l	92
45) 1,2-Dichloropropane	9.37	63	159418	10.096	ug/l	97
46) Dibromomethane	9.46	93	83557	10.210	ug/l	99
47) Bromodichloromethane	9.64	83	191249	9.053	ug/l	100
48) Methyl methacrylate	9.44	41	85192	8.366	ug/l #	85
49) 1,4-Dioxane	9.45	88	25881	206.966	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	549504	50.150	ug/l	95
52) Toluene	10.39	92	384763	10.282	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	187676	8.960	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	222794	9.315	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	115905	10.147	ug/l	98
56) Ethyl methacrylate	10.65	69	135004	9.507	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	203955	9.962	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	333629	51.017	ug/l	100
59) 2-Hexanone	10.97	43	373689	48.993	ug/l	95
60) Dibromochloromethane	11.13	129	121328	9.190	ug/l	99
61) 1,2-Dibromoethane	11.23	107	111177	10.232	ug/l	99
64) Tetrachloroethene	10.86	164	135230	10.864	ug/l	99
65) Chlorobenzene	11.66	112	396349	10.100	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	131105	9.342	ug/l	98
67) Ethyl Benzene	11.73	91	712687	10.179	ug/l	98
68) m/p-Xylenes	11.84	106	529336	20.225	ug/l	99
69) o-Xylene	12.17	106	233185	9.785	ug/l	98
70) Styrene	12.18	104	402851	9.804	ug/l	98
71) Bromoform	12.35	173	74342	10.018	ug/l #	99
73) Isopropylbenzene	12.47	105	659023	9.910	ug/l	100
74) N-amyl acetate	12.27	43	156497	8.498	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.71	83	154696	11.775	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	109234m	11.423	ug/l	
77) Bromobenzene	12.75	156	152926	9.999	ug/l	99
78) n-propylbenzene	12.80	91	826516	10.028	ug/l	100
79) 2-Chlorotoluene	12.89	91	475588	10.033	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	562600	9.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43751	10.788	ug/l	97
82) 4-Chlorotoluene	12.99	91	507499	10.173	ug/l	99
83) tert-Butylbenzene	13.21	119	455551	9.756	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	564112	9.868	ug/l	100
85) sec-Butylbenzene	13.39	105	695803	9.972	ug/l	100
86) p-Isopropyltoluene	13.50	119	604219	9.825	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	312622	10.112	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	311073	10.080	ug/l	98
89) n-Butylbenzene	13.83	91	607123	9.964	ug/l	99
90) Hexachloroethane	14.10	117	112800	9.576	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	279660	10.089	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25795	10.971	ug/l	97

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ClientSampleId :
VSTDICC010

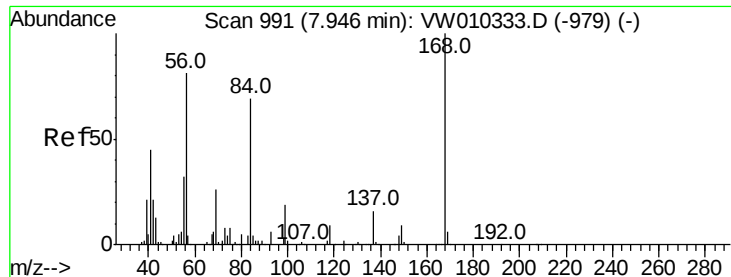
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Thu May 09 13:10:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	174690	9.552	ug/l	99
94) Hexachlorobutadiene	15.24	225	115608	10.410	ug/l	100
95) Naphthalene	15.37	128	322917	9.835	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	156770	9.881	ug/l	100

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



#1

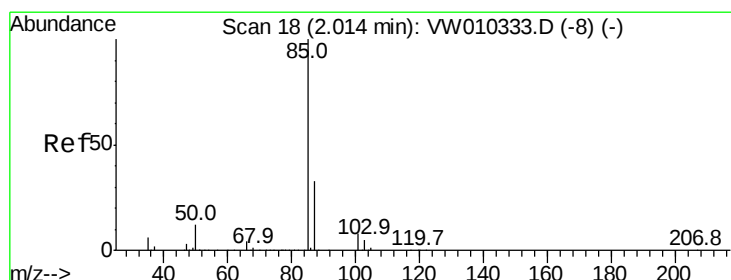
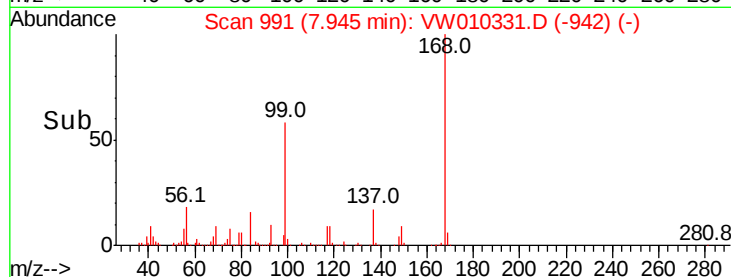
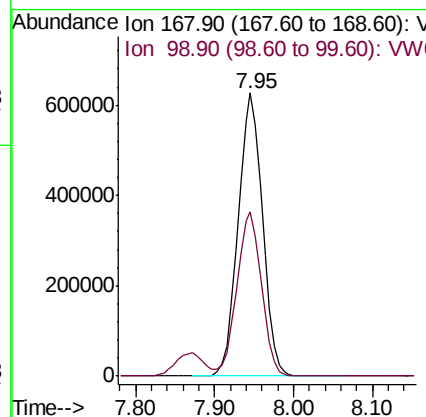
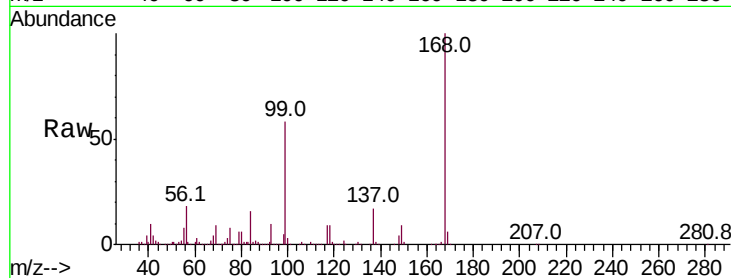
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:168 Resp: 1344192
 Ion Ratio Lower Upper
 168 100
 99 57.8 48.4 72.6

Manual Integrations
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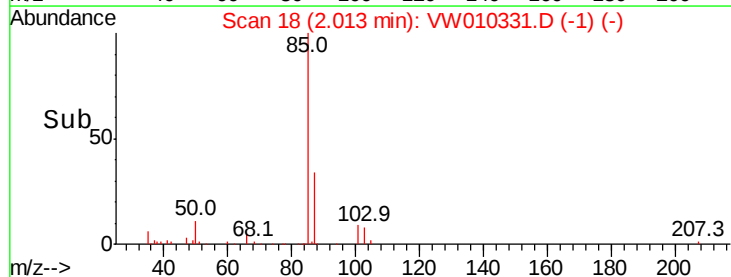
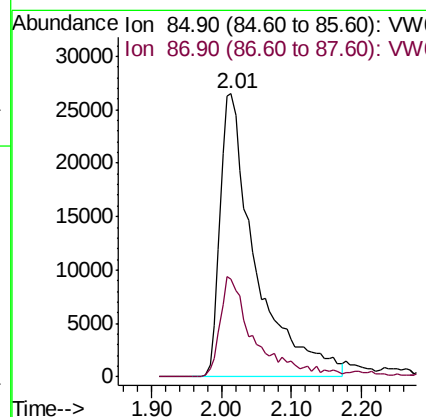
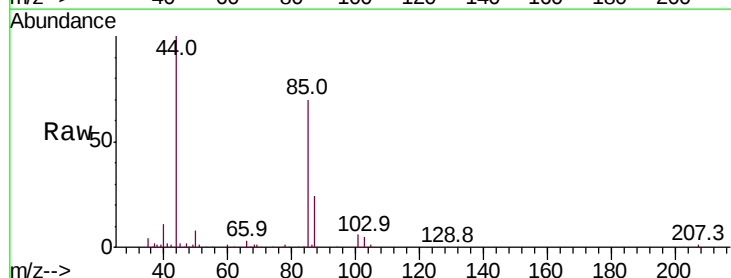
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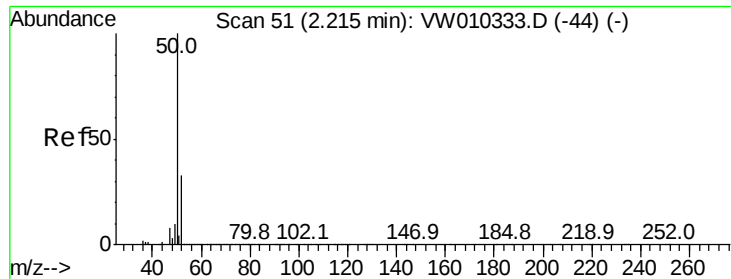


#2

Dichlorodifluoromethane
 Concen: 9.153 ug/l
 RT: 2.01 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion: 85 Resp: 93807
 Ion Ratio Lower Upper
 85 100
 87 34.4 16.3 48.9





#3

Chloromethane

Concen: 12.215 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 125196

Ion Ratio Lower Upper

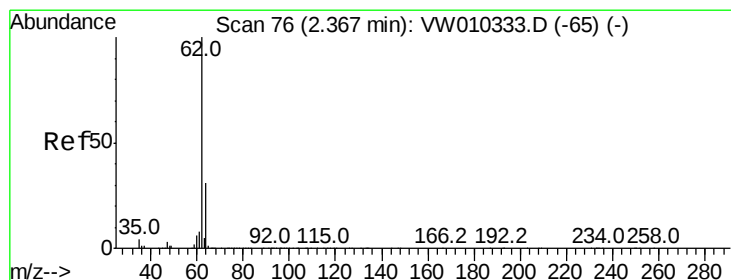
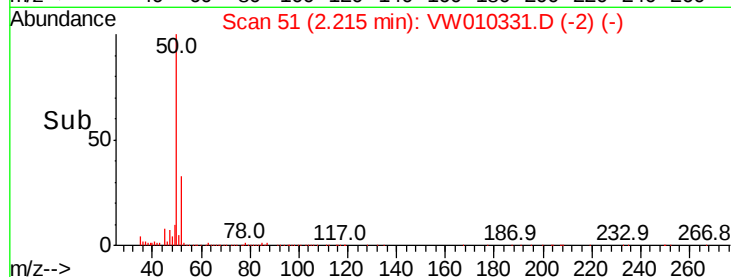
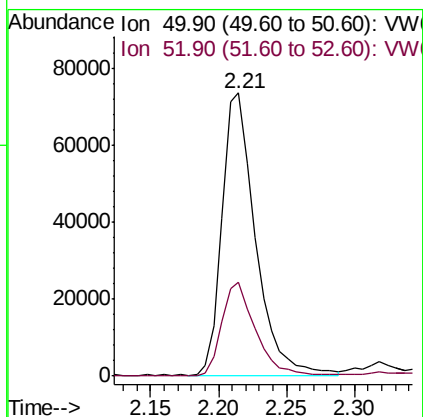
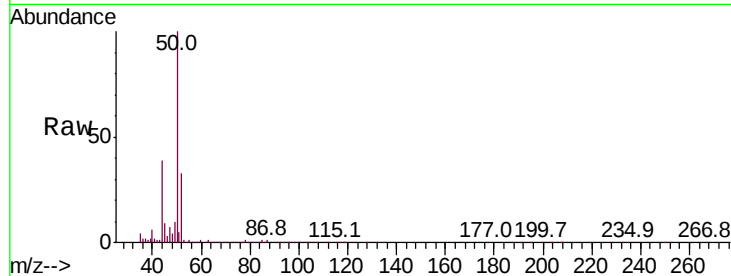
50 100

52 33.1 25.0 37.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 13.633 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010331.D

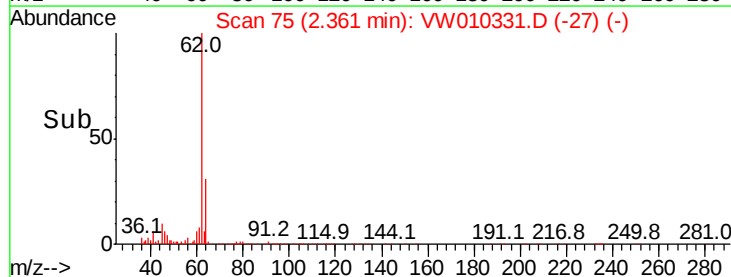
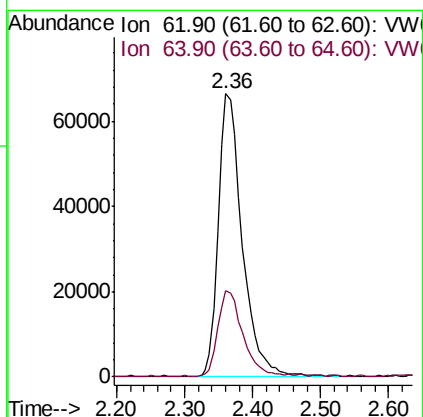
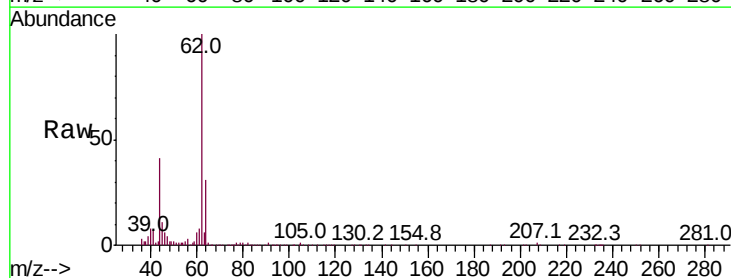
Acq: 09 May 2019 11:38

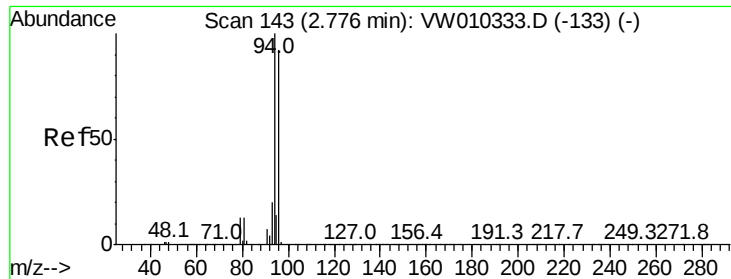
Tgt Ion: 62 Resp: 162425

Ion Ratio Lower Upper

62 100

64 30.2 25.9 38.9





#5

Bromomethane

Concen: 12.023 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 96265

Ion Ratio Lower Upper

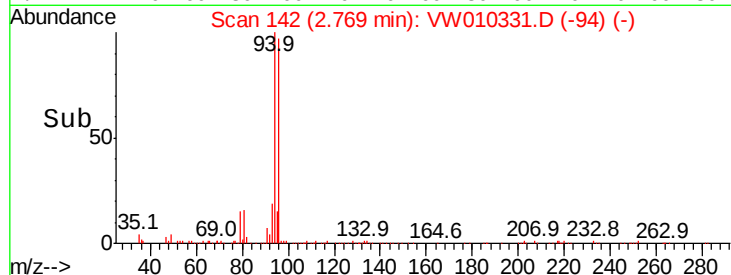
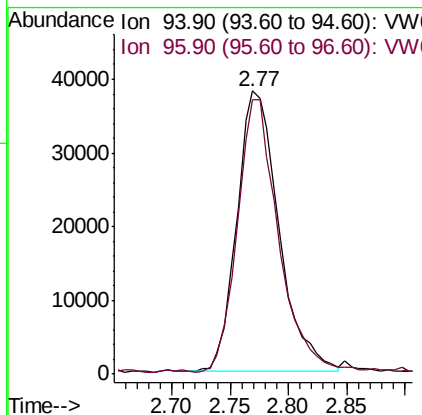
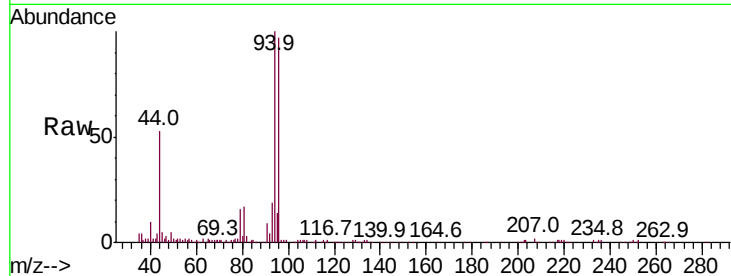
94 100

96 96.6 74.2 111.2

Manual Integrations
APPROVED

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5/10/2019 10:07:16 AM



#6

Chloroethane

Concen: 12.039 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010331.D

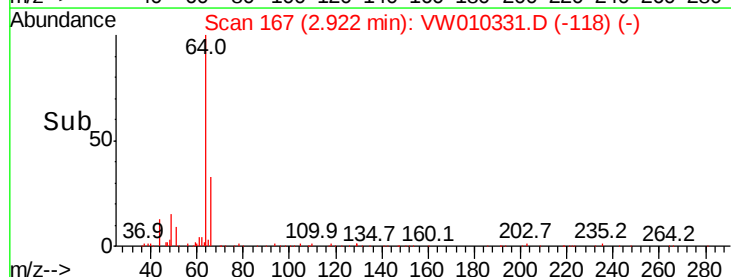
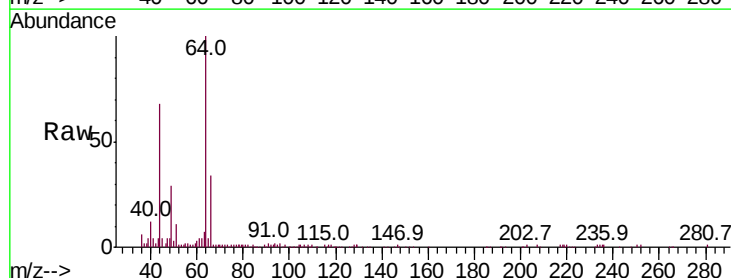
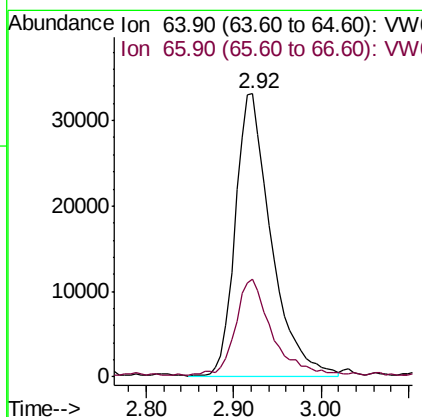
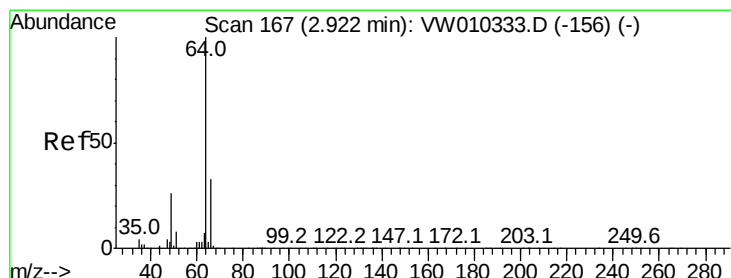
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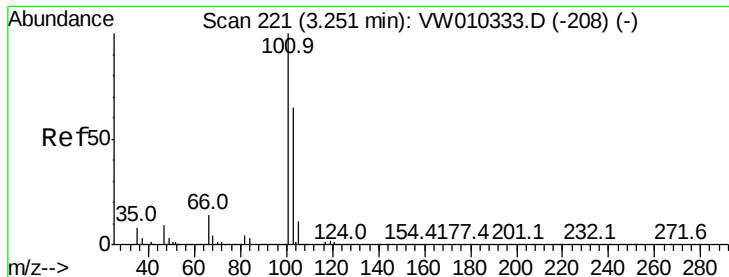
Tgt Ion: 64 Resp: 93714

Ion Ratio Lower Upper

64 100

66 33.7 23.4 35.0





#7

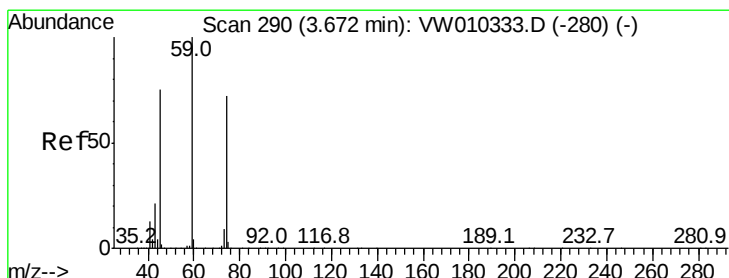
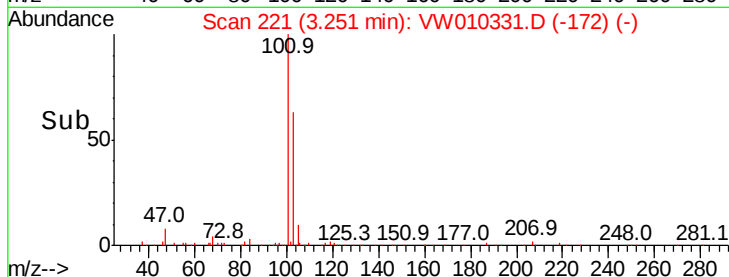
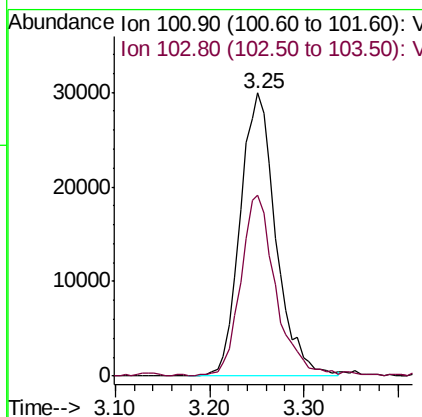
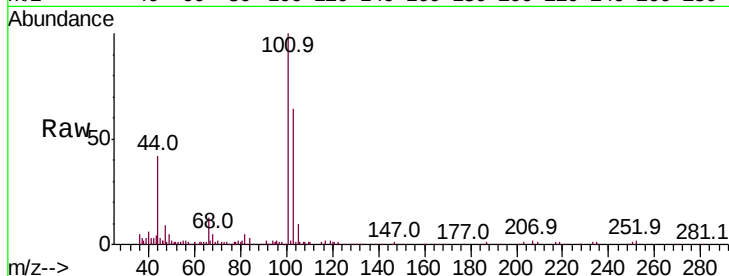
Trichlorofluoromethane
 Concen: 9.588 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

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 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	49.8	74.6

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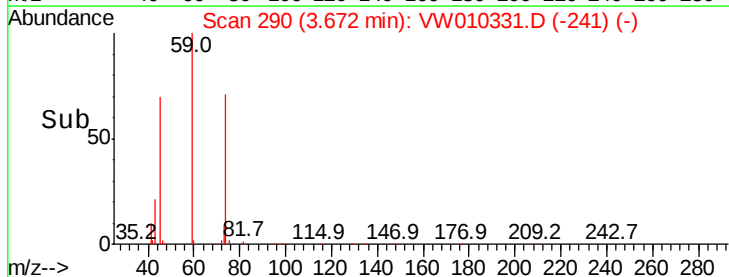
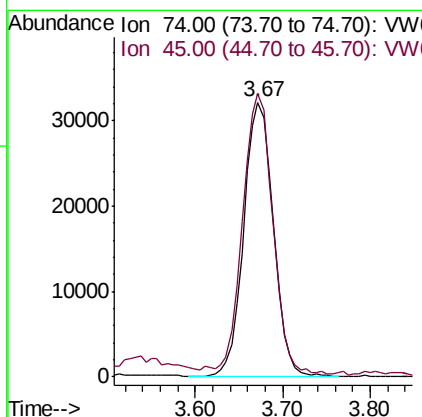
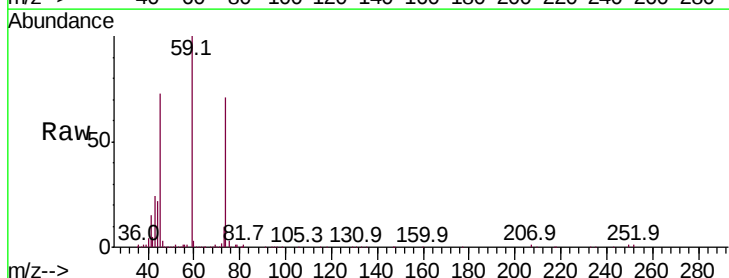
MMDadoda
 5/10/2019 10:07:16 AM

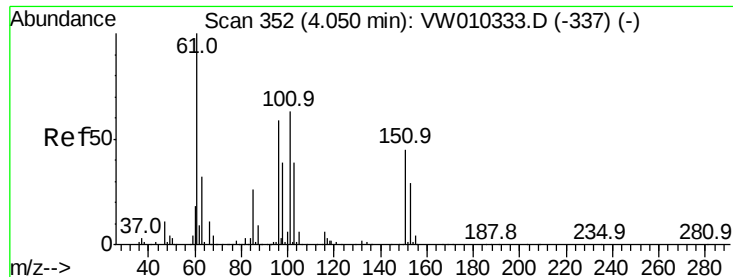


#8

Diethyl Ether
 Concen: 11.087 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.104 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

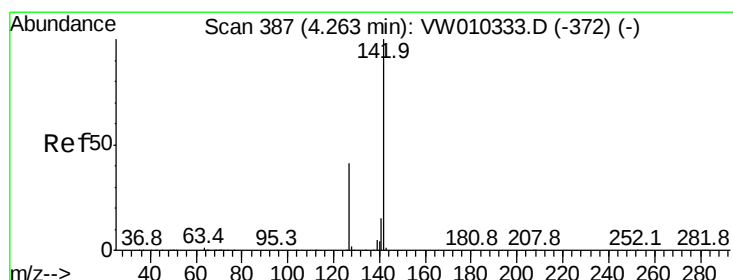
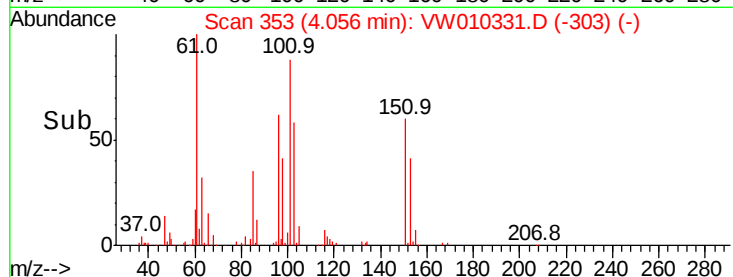
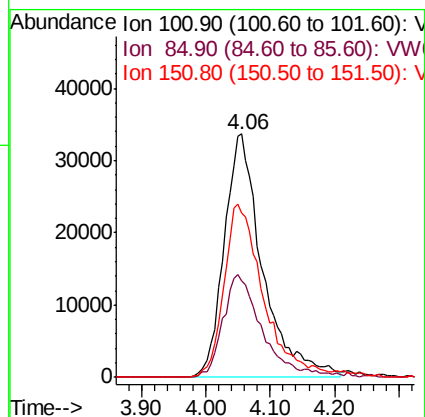
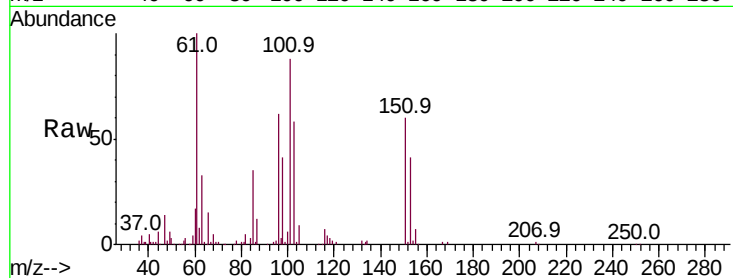
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	140048
Ion Ratio	Lower	Upper	
101	100		
85	41.3	36.3	54.5
151	72.7	60.2	90.2

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#10

Methyl Iodide

Concen: 10.083 ug/l

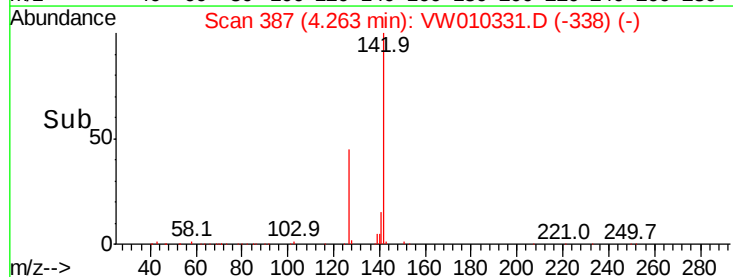
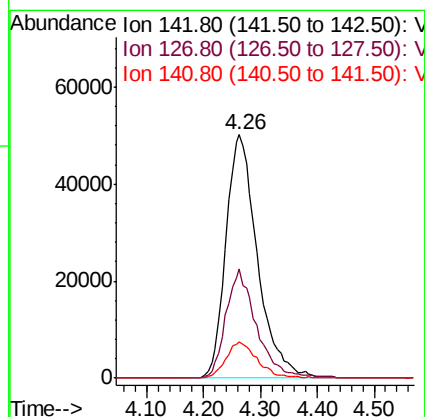
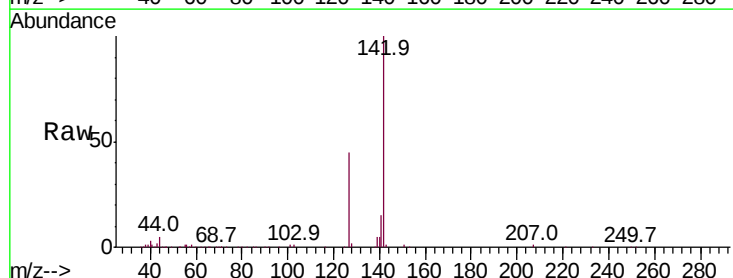
RT: 4.26 min Scan# 387

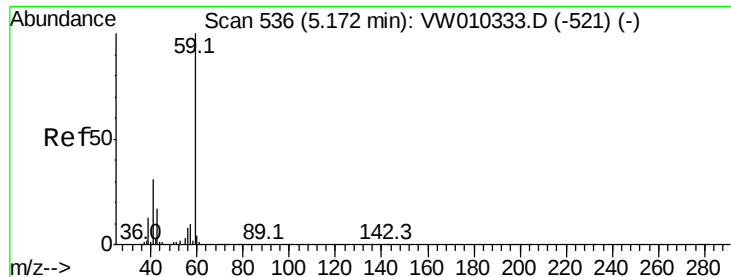
Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	142	Resp:	193143
Ion Ratio	Lower	Upper	
142	100		
127	42.9	38.1	57.1
141	14.8	12.2	18.2





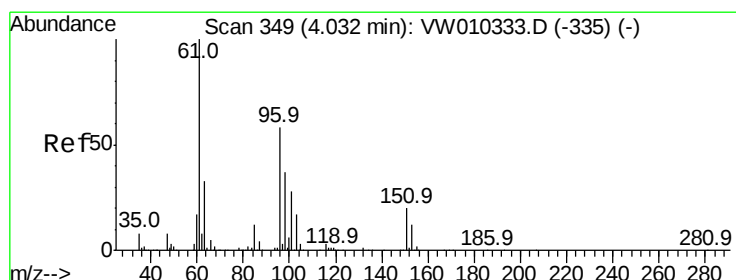
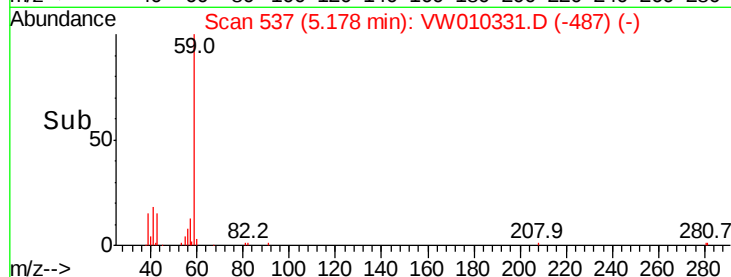
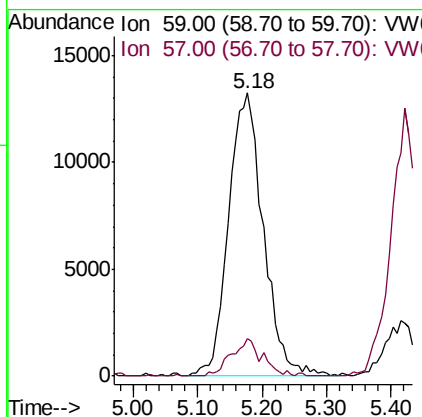
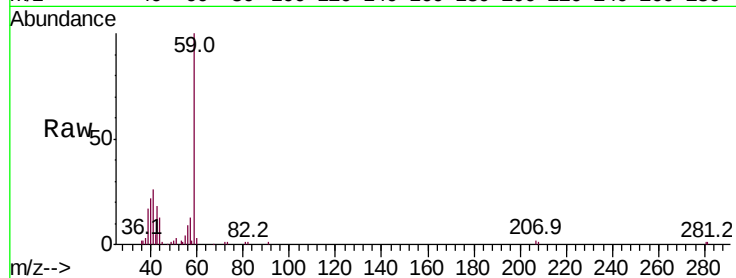
#11
Tert butyl alcohol
Concen: 52.577 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.0	13.4

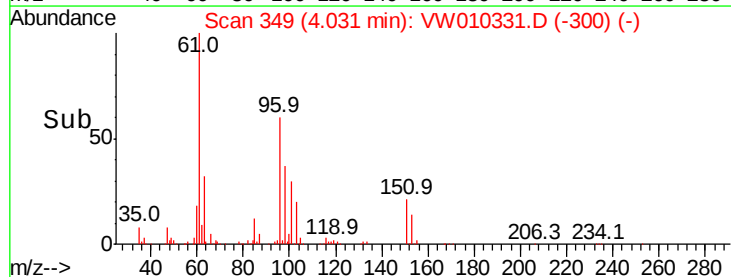
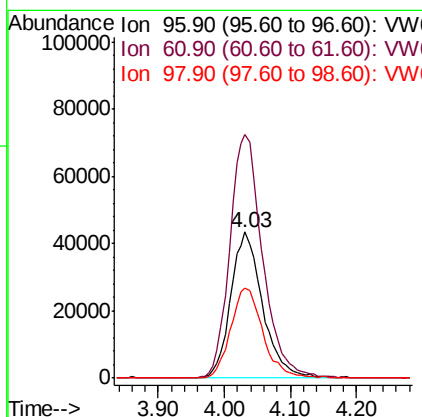
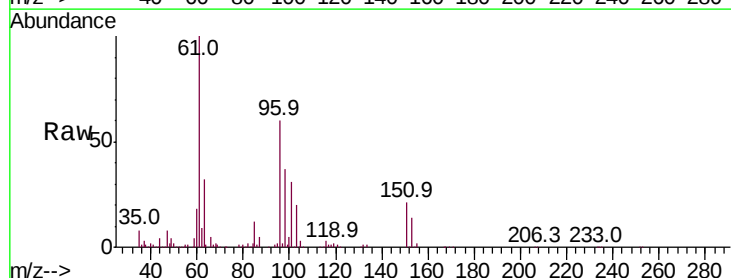
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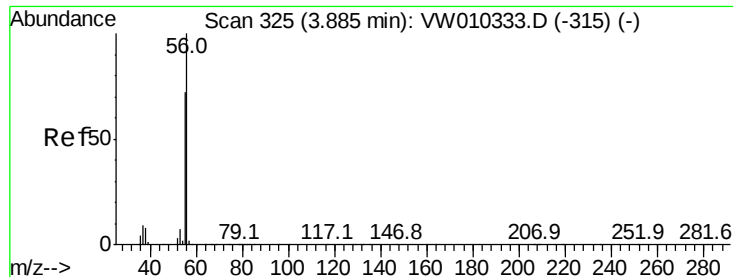
MMDadoda
5/10/2019 10:07:16 AM



#12
1,1-Dichloroethene
Concen: 10.977 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.5	147.4	221.2
98	61.9	49.7	74.5





#13

Acrolein

Concen: 66.139 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 65745

Ion Ratio Lower Upper

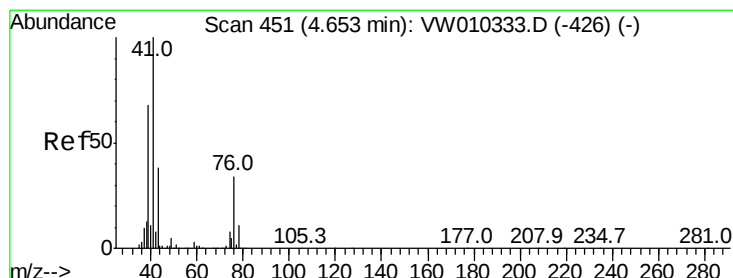
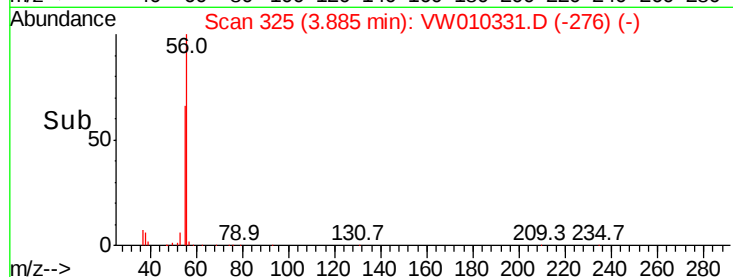
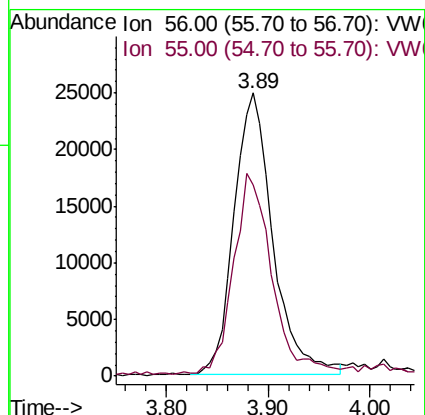
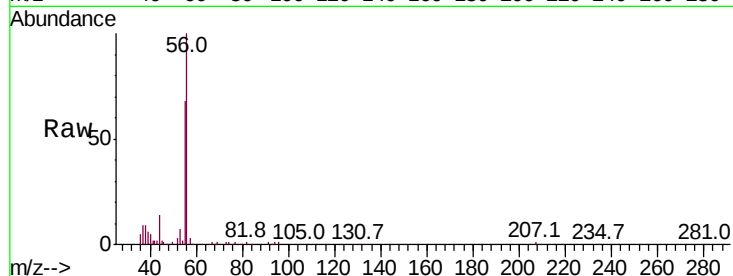
56 100

55 69.7 54.2 81.2

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#14

Allyl chloride

Concen: 9.002 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

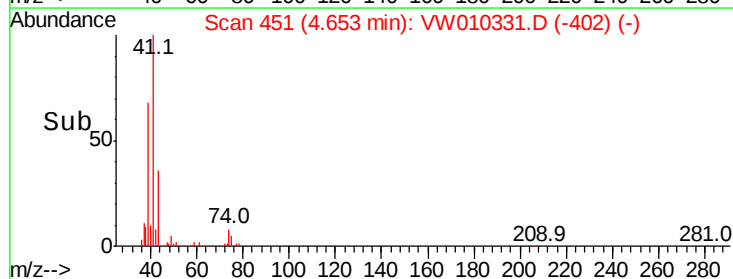
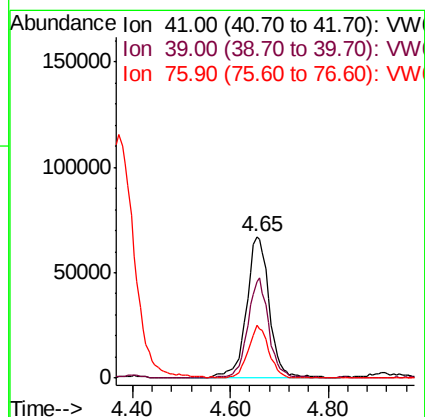
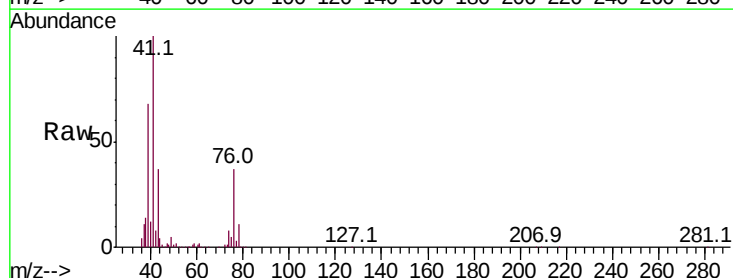
Tgt Ion: 41 Resp: 212675

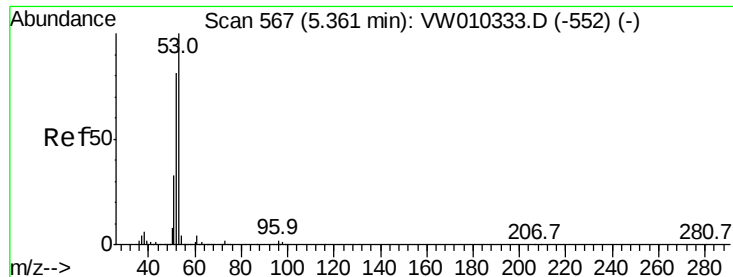
Ion Ratio Lower Upper

41 100

39 64.8 60.2 90.4

76 32.9 25.0 37.6





#15

Acrylonitrile

Concen: 57.510 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

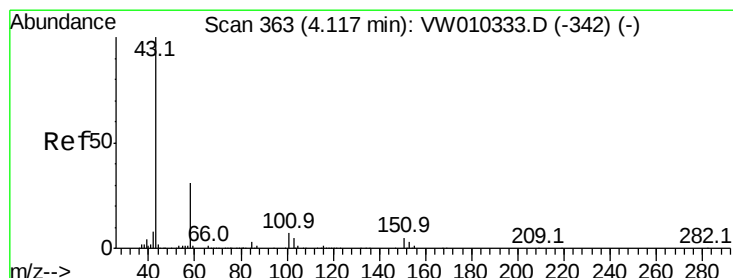
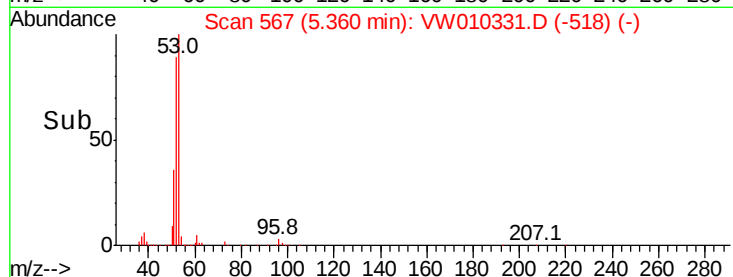
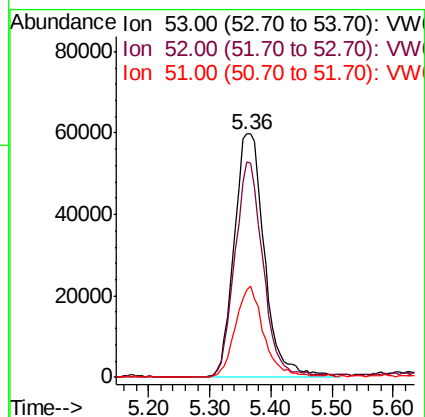
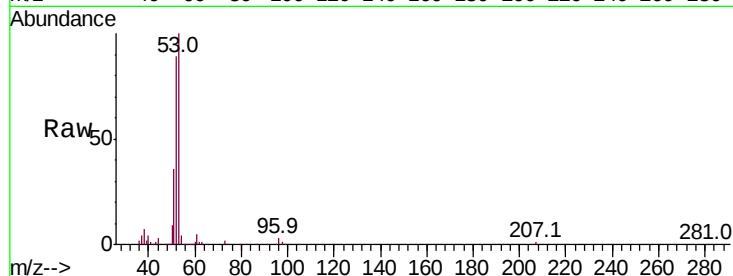
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	202795
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	35.4	30.3	45.5

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#16

Acetone

Concen: 45.331 ug/l

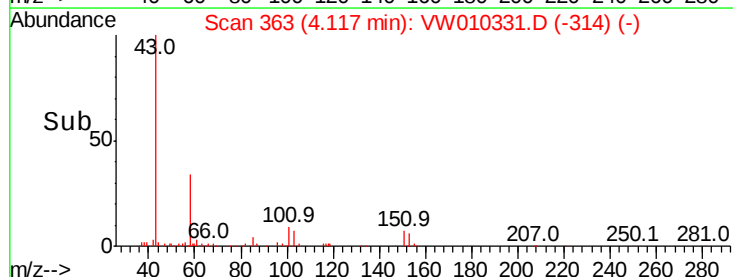
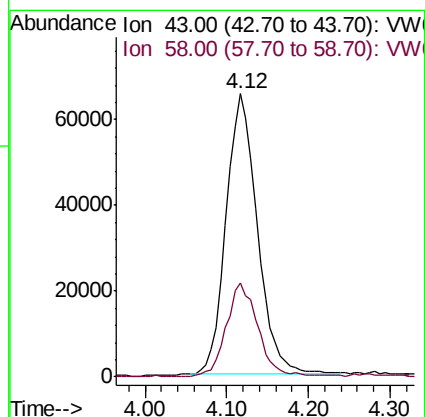
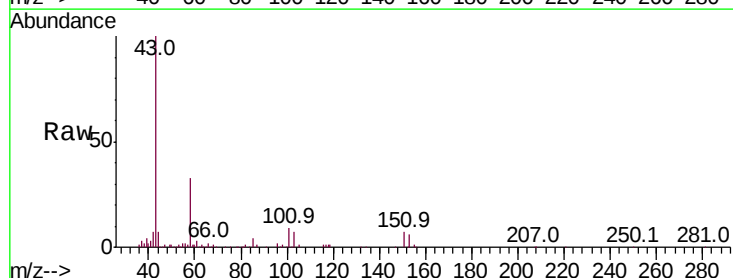
RT: 4.12 min Scan# 363

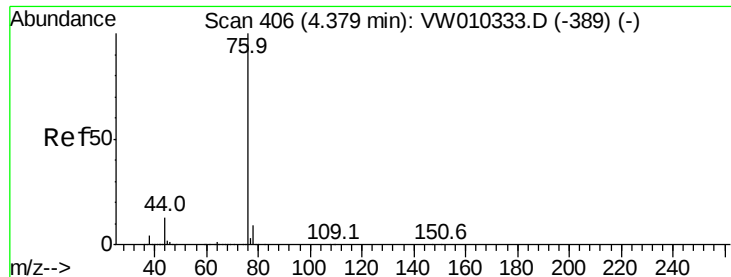
Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	43	Resp:	174468
Ion	Ratio	Lower	Upper
43	100		
58	33.4	22.7	34.1





#17

Carbon Disulfide

Concen: 11.610 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 423194

Ion Ratio Lower Upper

76 100

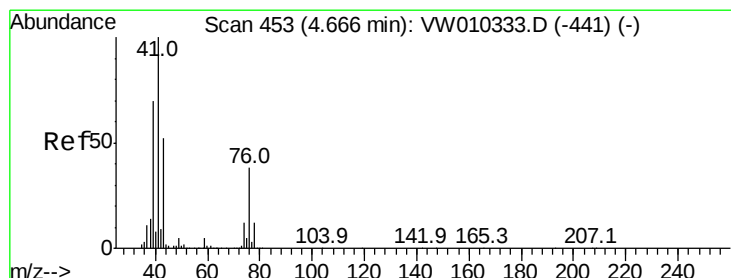
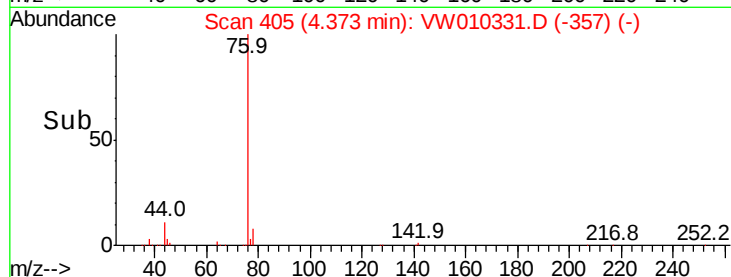
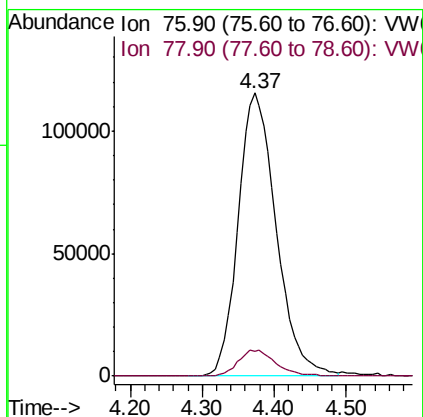
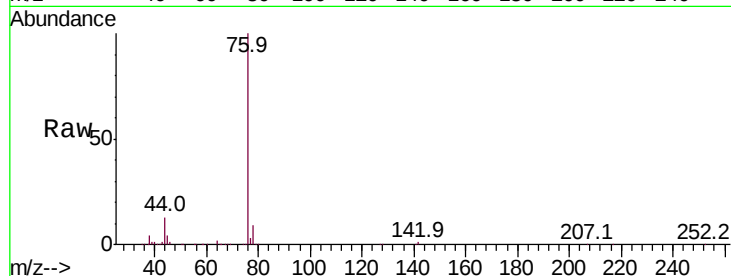
78 8.8 7.4 11.2

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#18

Methyl Acetate

Concen: 10.133 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010331.D

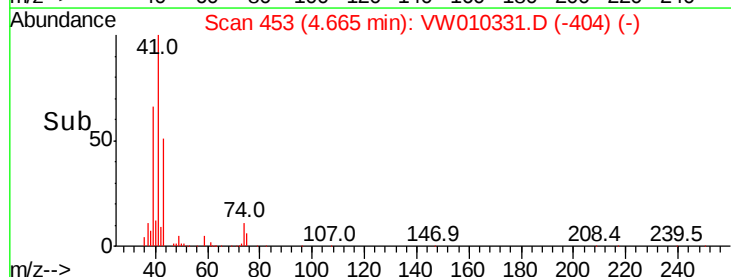
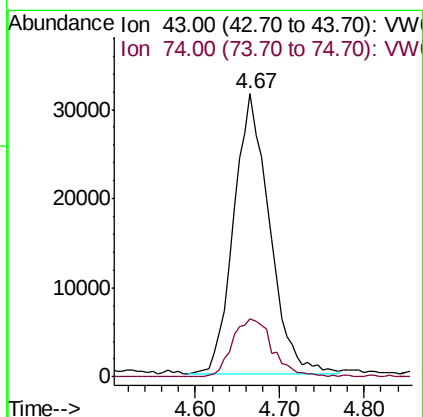
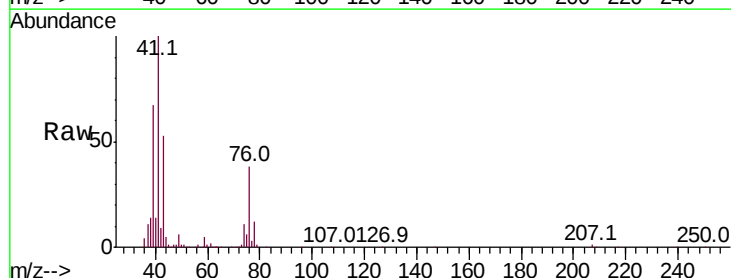
Acq: 09 May 2019 11:38

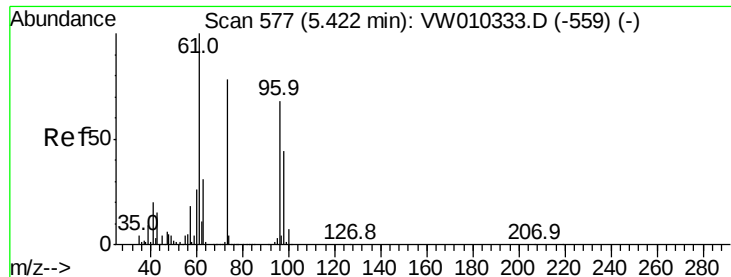
Tgt Ion: 43 Resp: 90263

Ion Ratio Lower Upper

43 100

74 23.4 16.8 25.2





#19

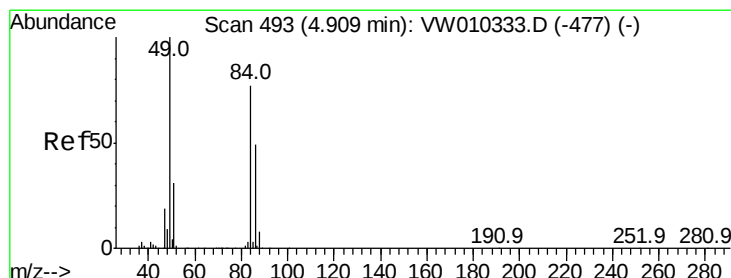
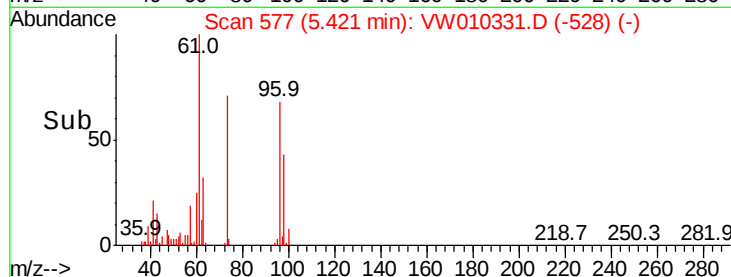
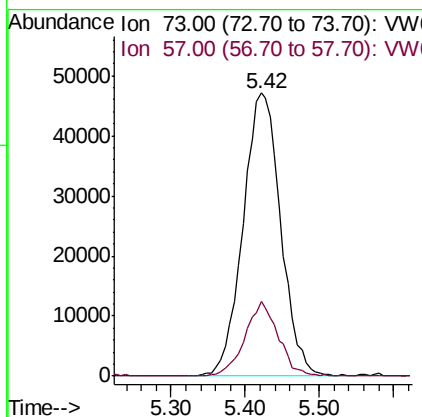
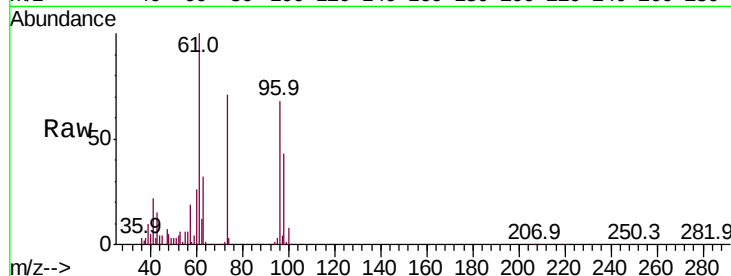
Methyl tert-butyl Ether
 Concen: 9.659 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC010

Tot Ion	73	Resp	166718
Ion Ratio	Lower	Upper	
73	100		
57	26.6	18.5	27.7

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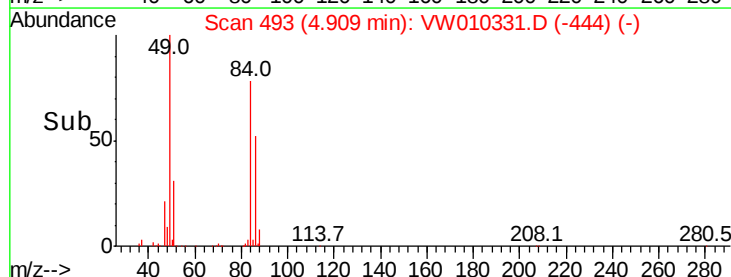
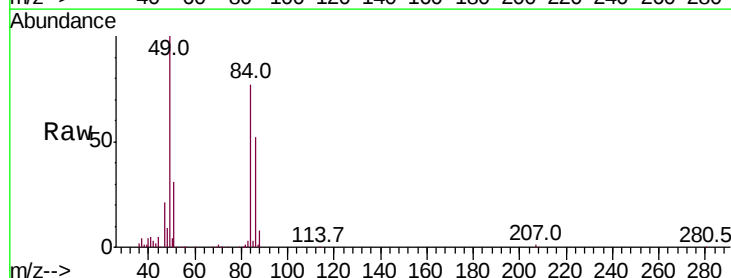
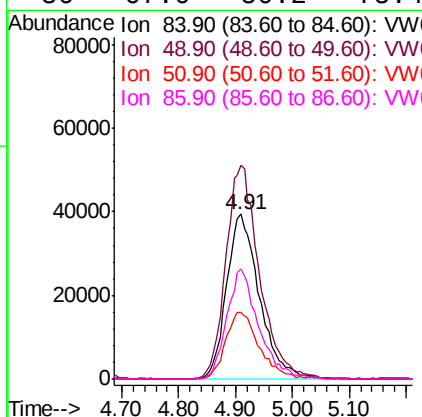
MMDadoda
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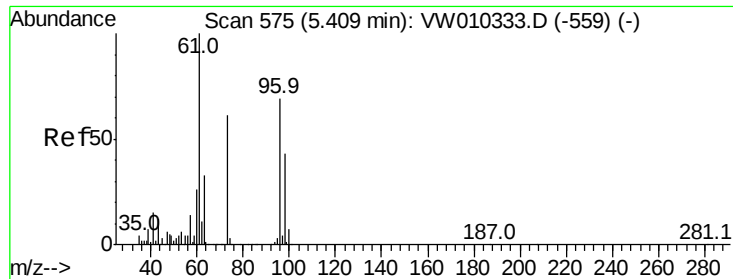


#20

Methylene Chloride
 Concen: 8.975 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion	84	Resp	158921
Ion Ratio	Lower	Upper	
84	100		
49	129.6	112.3	168.5
51	40.8	33.9	50.9
86	67.0	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 10.802 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

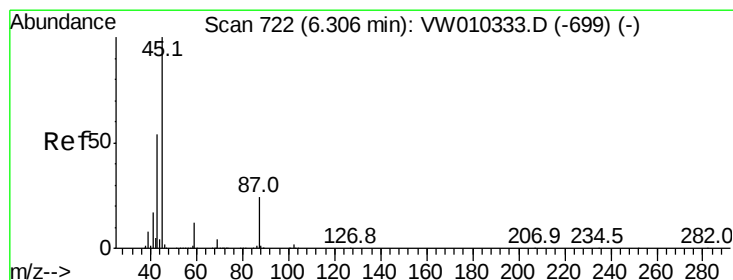
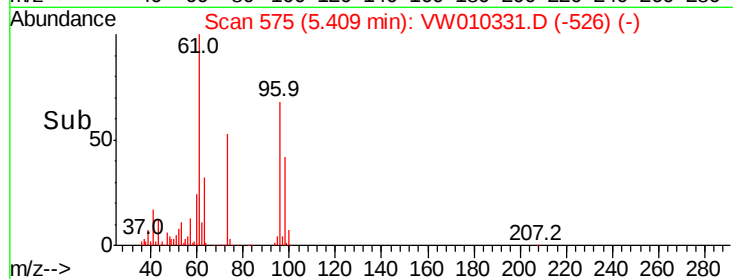
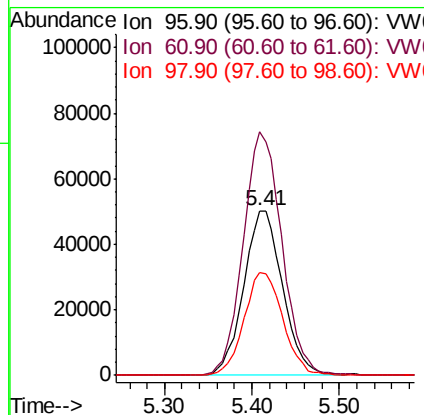
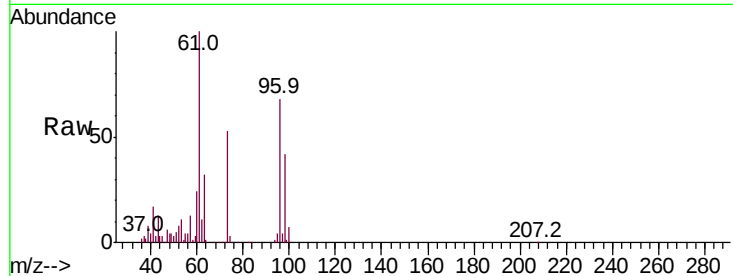
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	155436
Ion	Ratio	Lower	Upper
96	100		
61	147.9	122.3	183.5
98	62.4	50.5	75.7

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#22

Diisopropyl ether

Concen: 8.881 ug/l

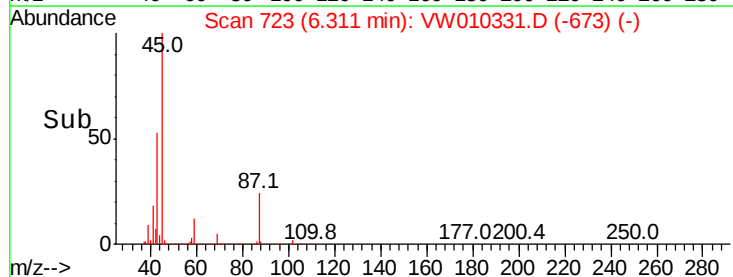
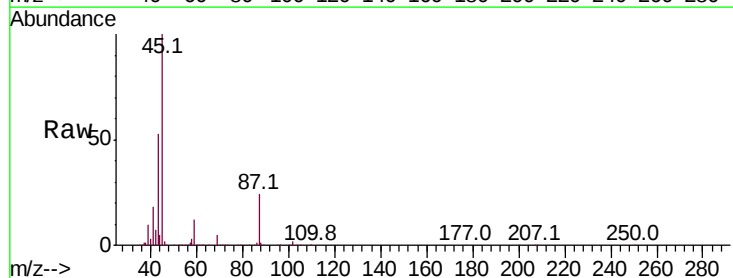
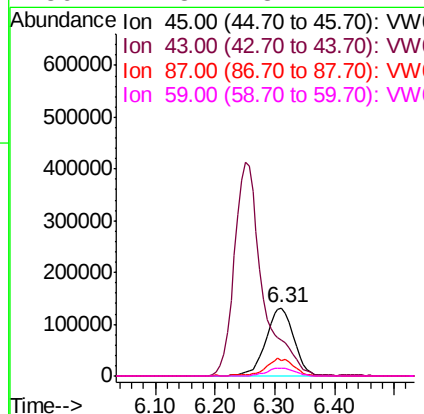
RT: 6.31 min Scan# 723

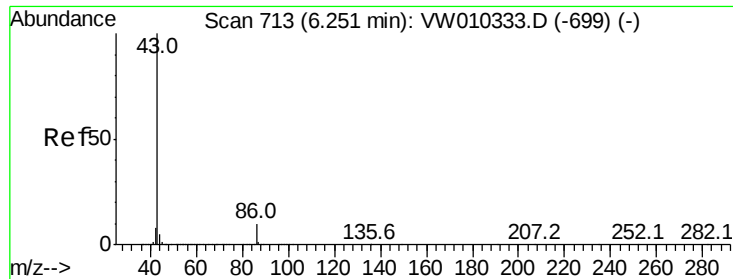
Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	45	Resp:	425594
Ion	Ratio	Lower	Upper
45	100		
43	53.3	46.1	69.1
87	23.4	18.3	27.5
59	11.8	8.2	12.4





#23

Vinyl Acetate

Concen: 45.073 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 1359736

Ion Ratio Lower Upper

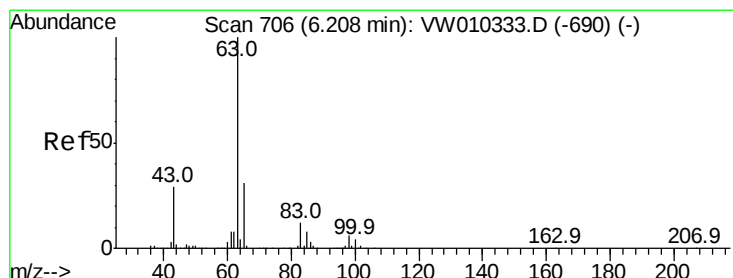
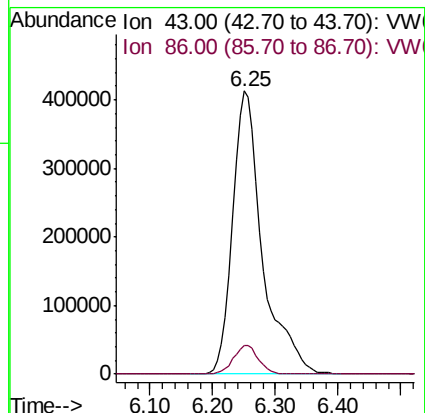
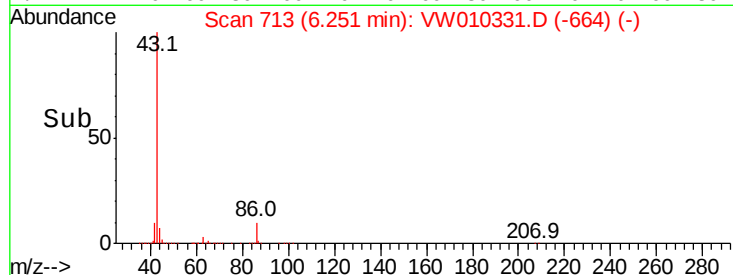
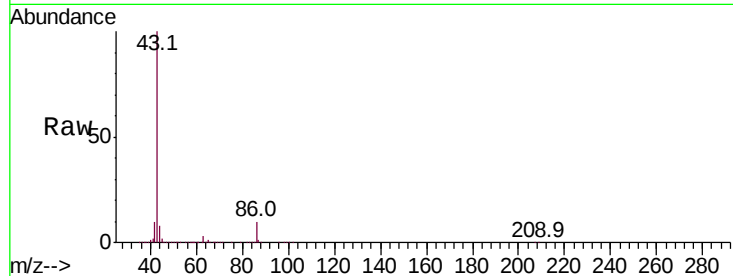
43 100

86 10.2 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 10.044 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

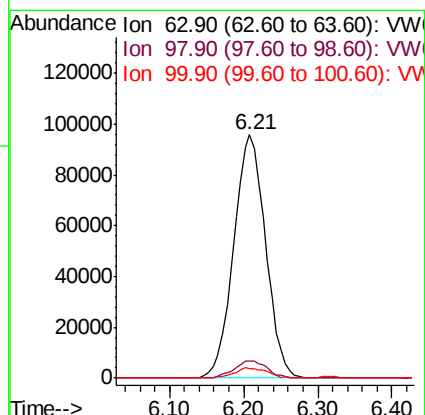
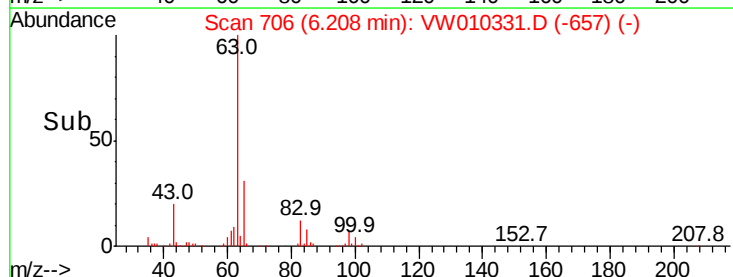
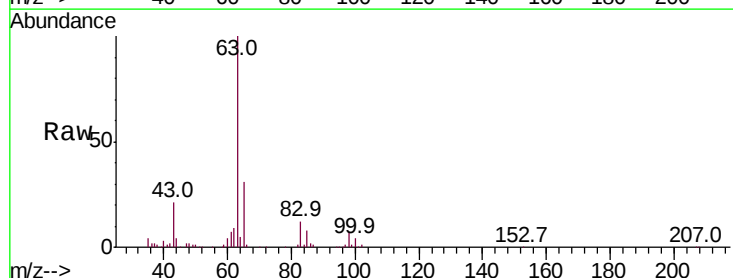
Tgt Ion: 63 Resp: 287728

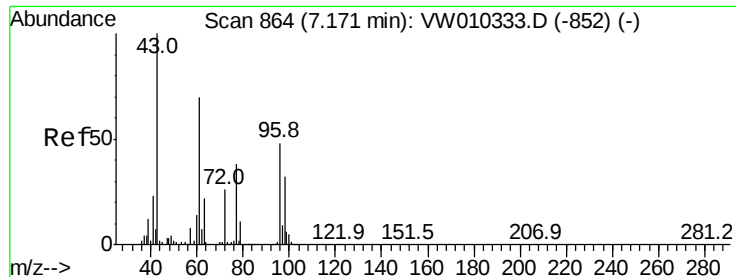
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 52.703 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 266457

Ion Ratio Lower Upper

43 100

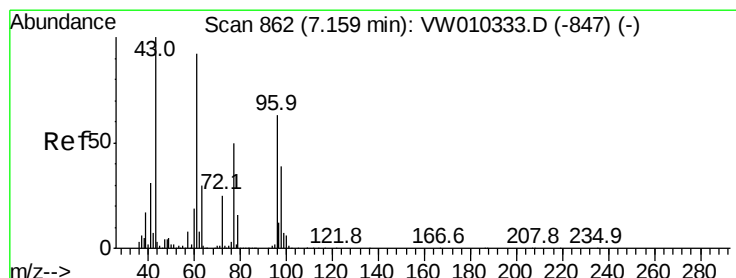
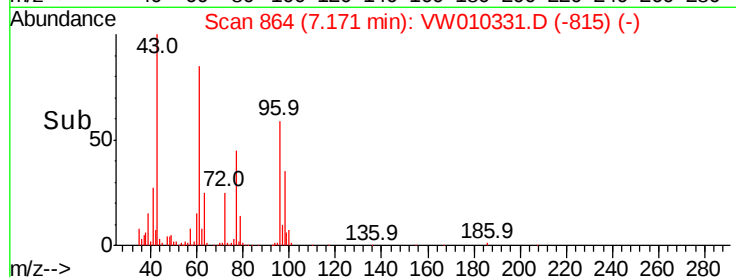
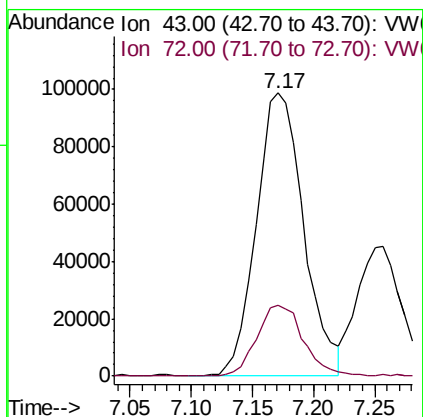
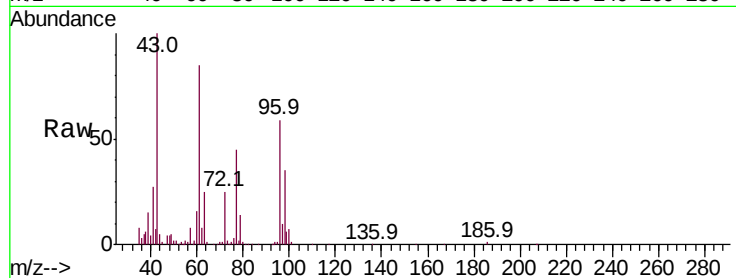
72 25.2 19.1 28.7

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#26

2,2-Dichloropropane

Concen: 9.078 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010331.D

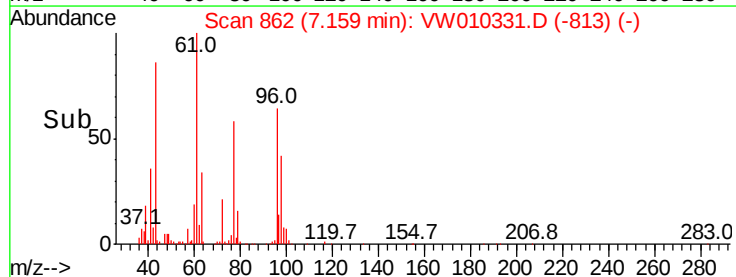
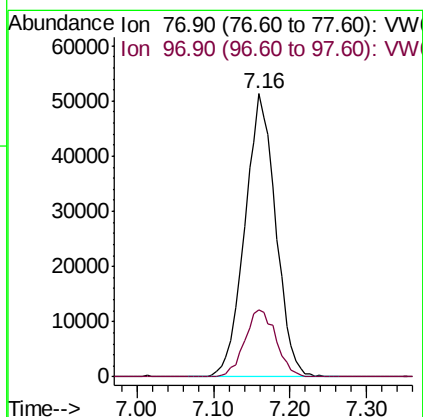
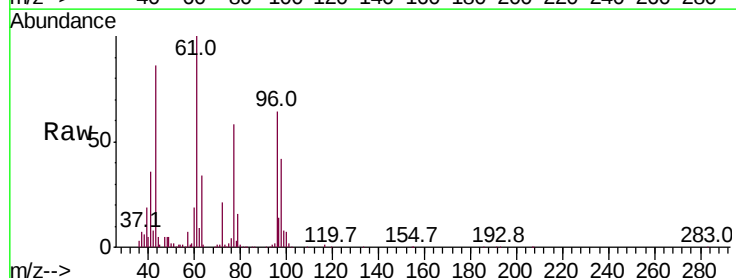
Acq: 09 May 2019 11:38

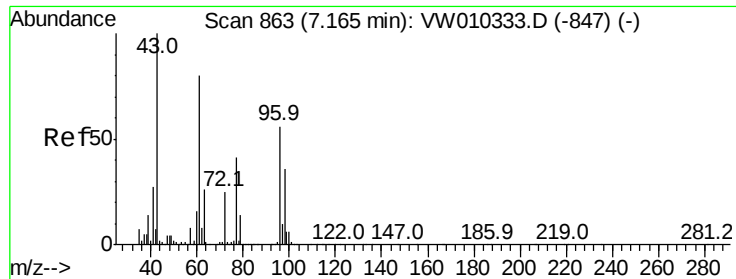
Tgt Ion: 77 Resp: 143876

Ion Ratio Lower Upper

77 100

97 24.2 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 9.980 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

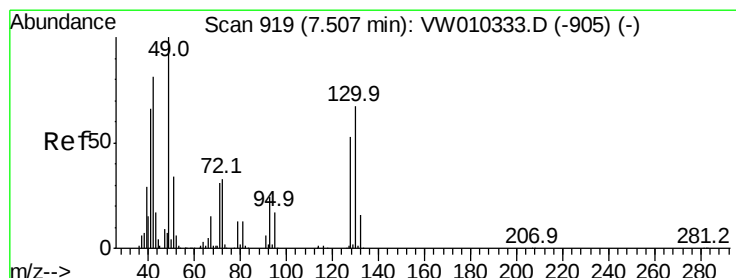
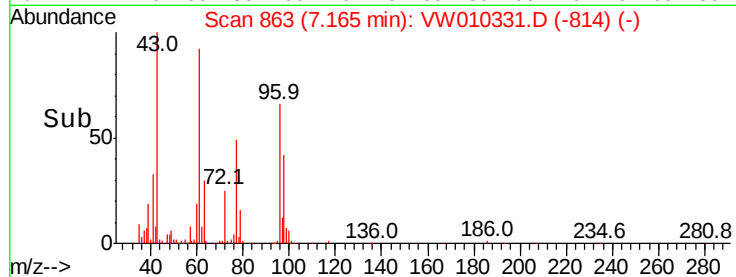
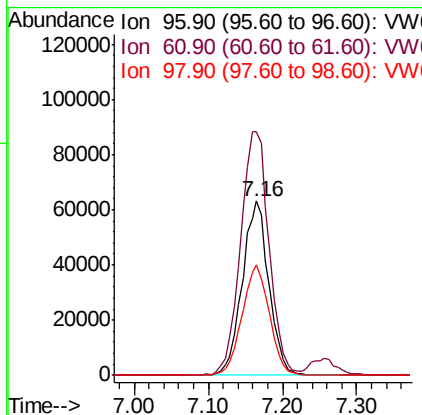
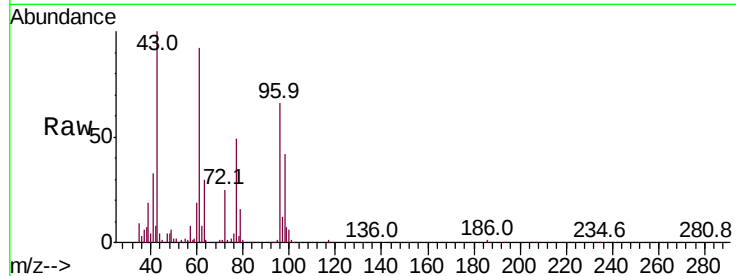
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	157939
Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	309.4
98	65.2	0.0	128.6

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#28

Bromochloromethane

Concen: 10.322 ug/l

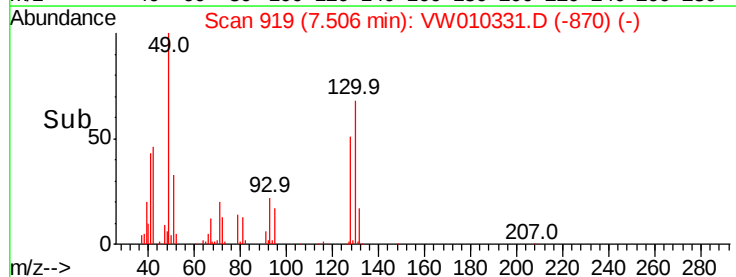
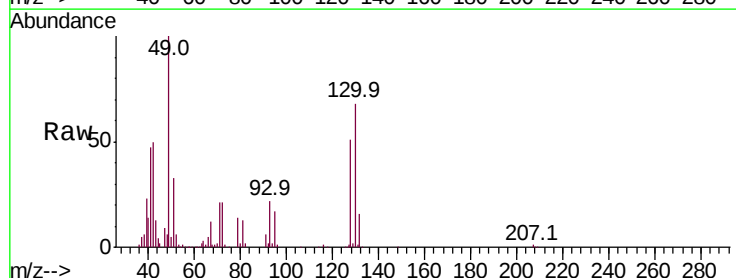
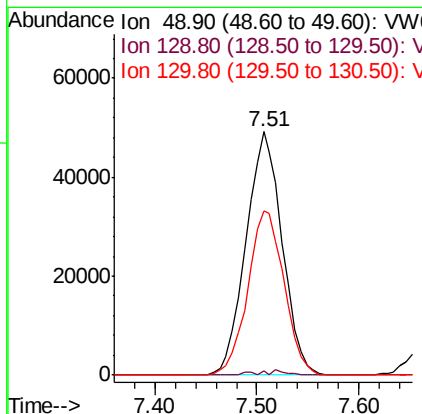
RT: 7.51 min Scan# 919

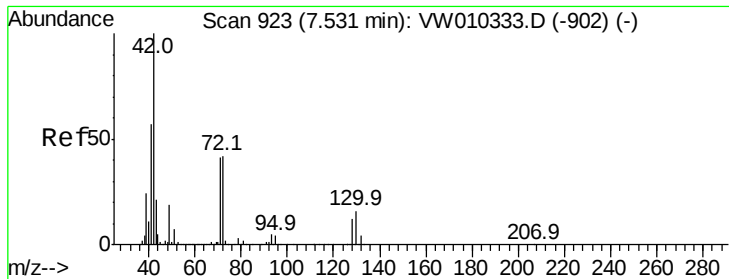
Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	49	Resp:	120844
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.8
130	68.0	54.6	82.0





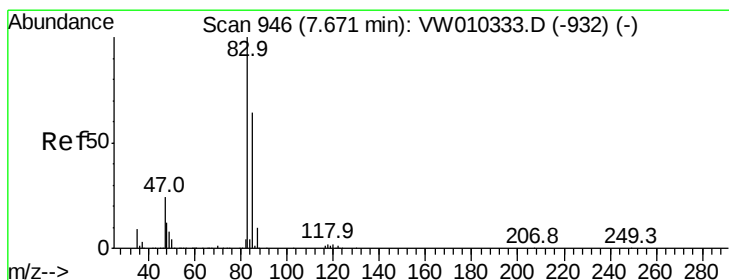
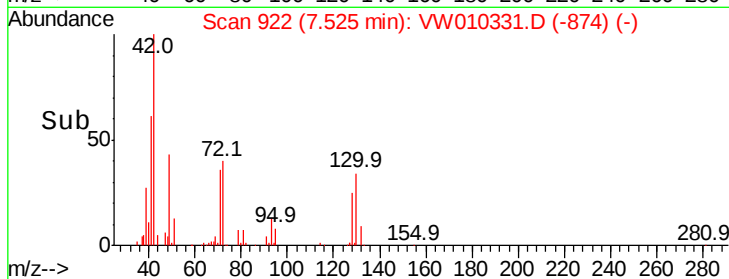
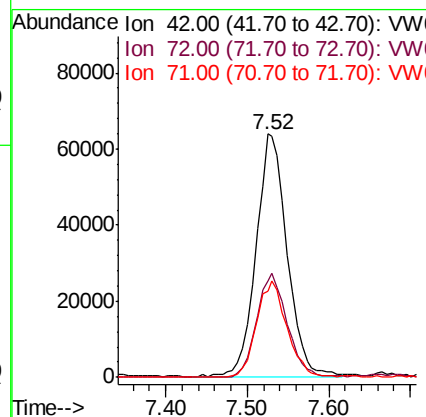
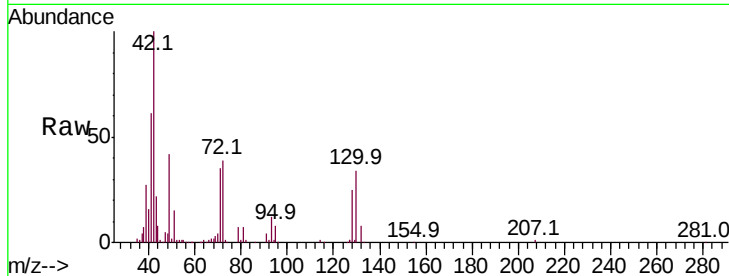
#29
Tetrahydrofuran
Concen: 52.690 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	31.0	46.6
71	39.1	29.7	44.5

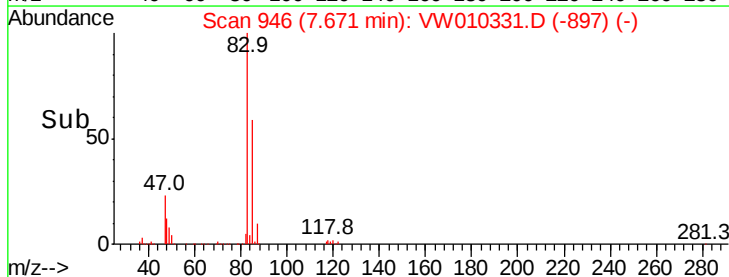
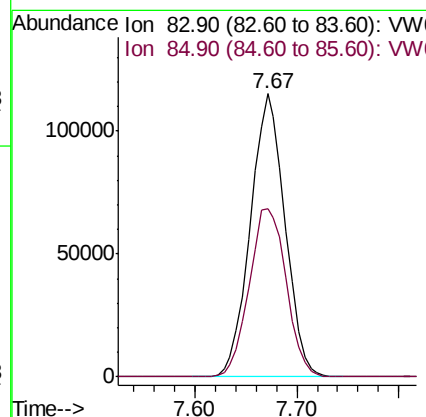
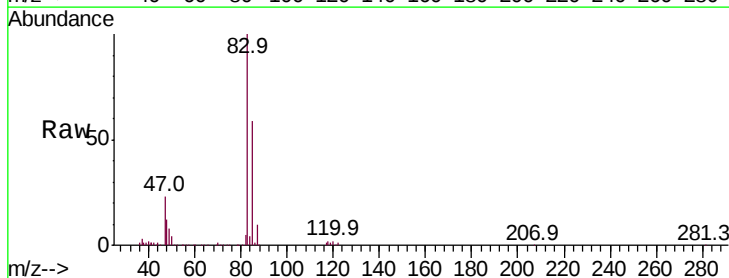
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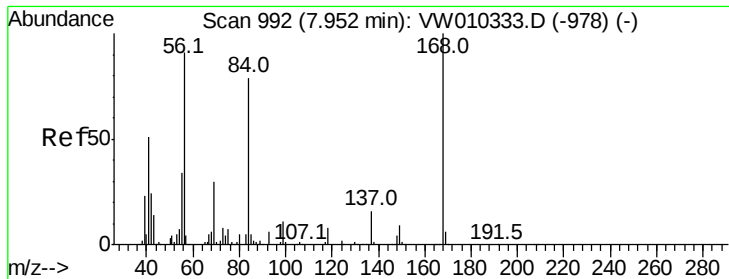
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#30
Chloroform
Concen: 9.469 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	50.7	76.1





#31

Cyclohexane

Concen: 11.045 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

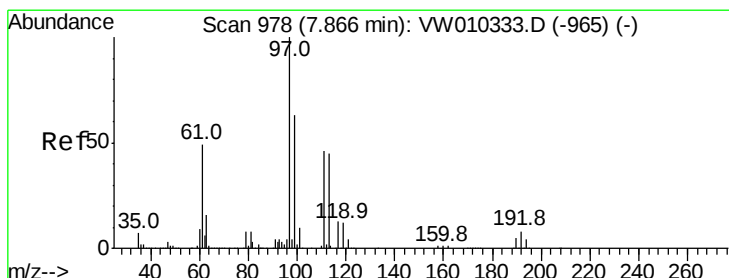
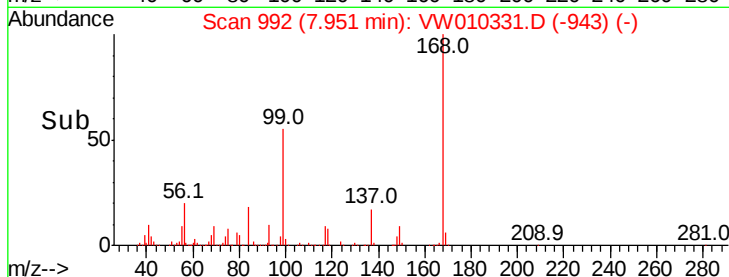
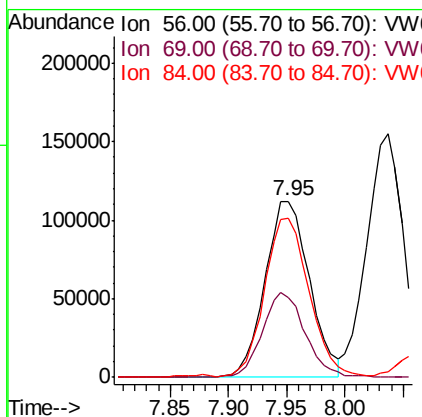
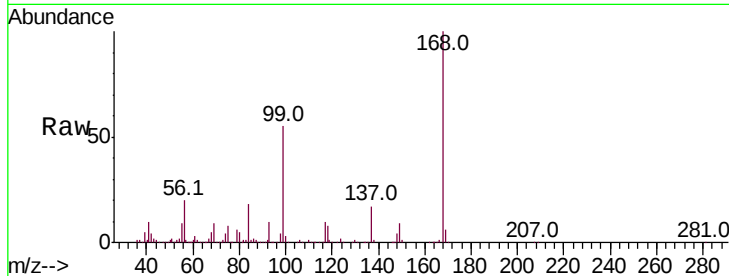
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	296286
Ion	Ratio	Lower	Upper
56	100		
69	45.0	26.6	40.0#
84	88.9	66.2	99.2

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#32

1,1,1-Trichloroethane

Concen: 9.310 ug/l

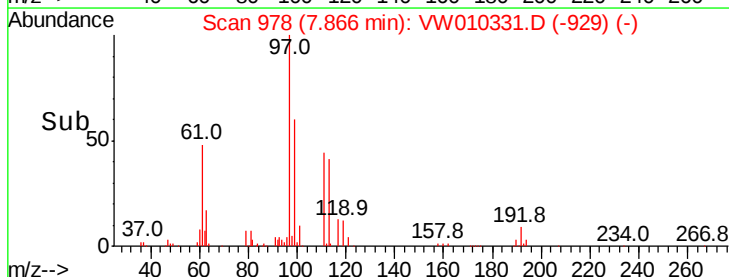
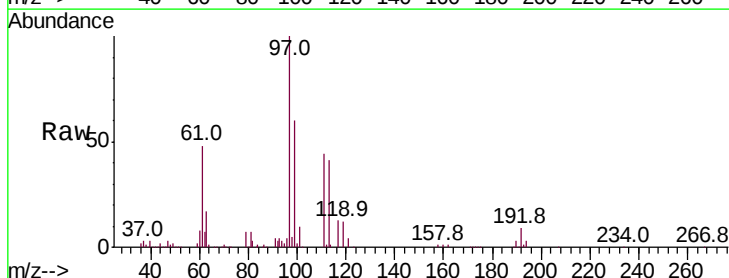
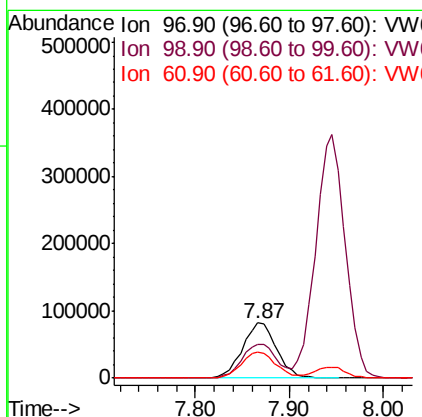
RT: 7.87 min Scan# 978

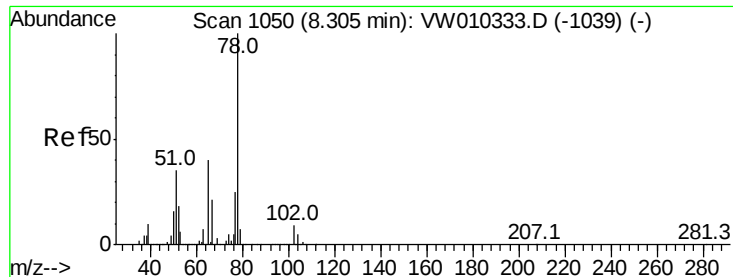
Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	97	Resp:	209799
Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.2	75.2
61	48.4	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 8.872 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 147166

Ion Ratio Lower Upper

65 100

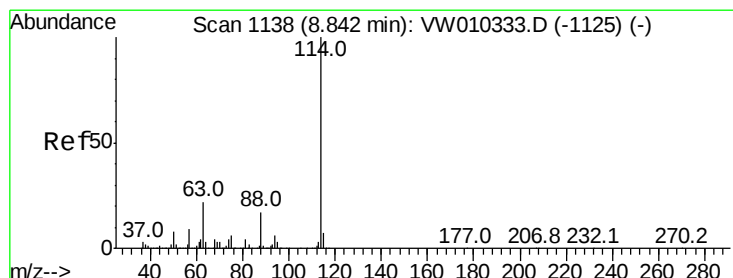
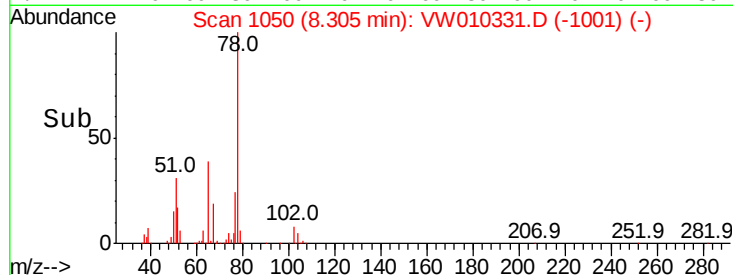
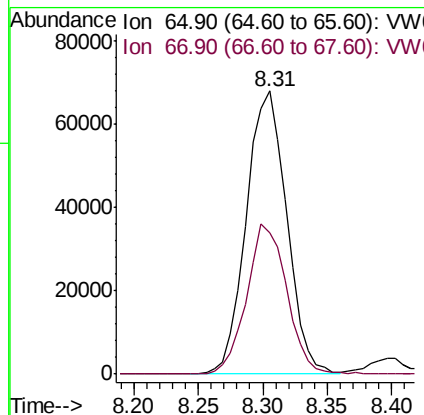
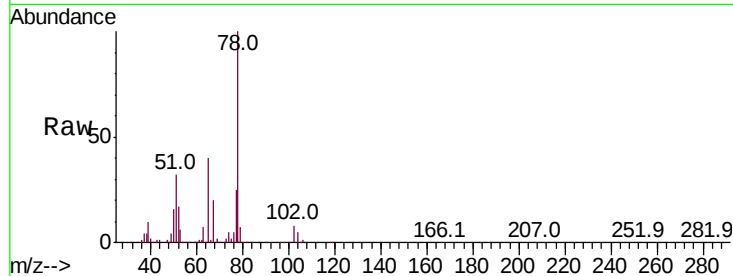
67 52.7 0.0 100.8

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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: VW010331.D

Acq: 09 May 2019 11:38

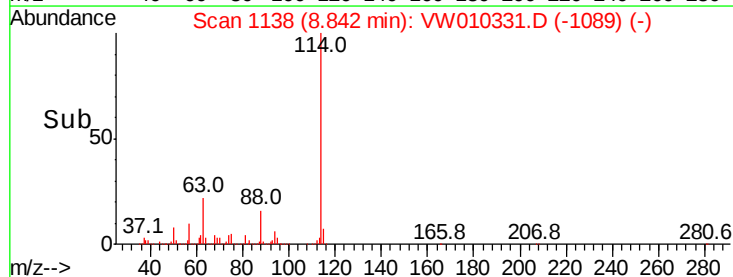
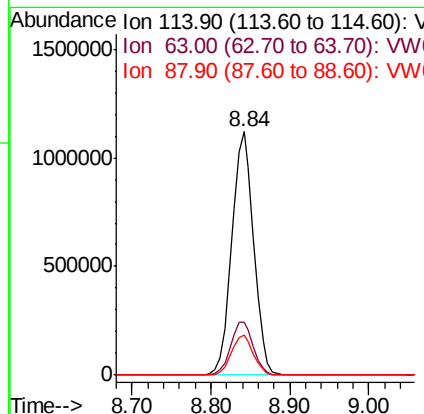
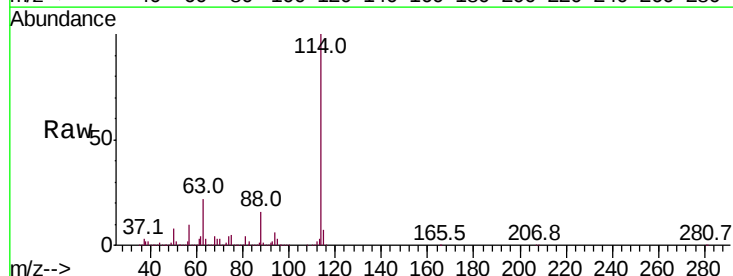
Tgt Ion: 114 Resp: 2150823

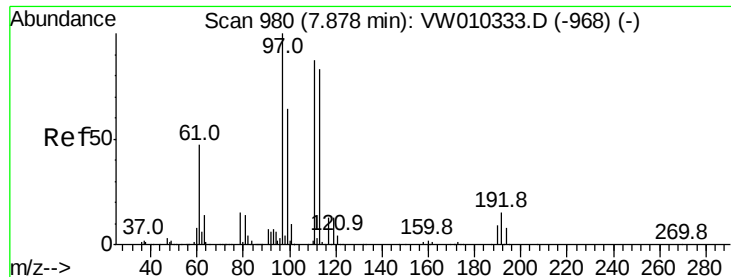
Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.2

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 9.302 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

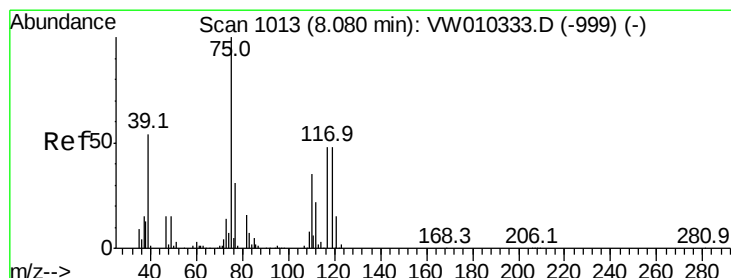
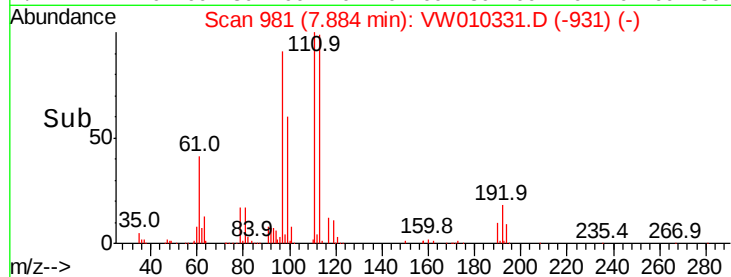
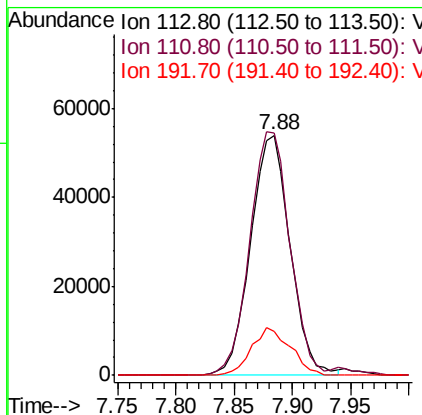
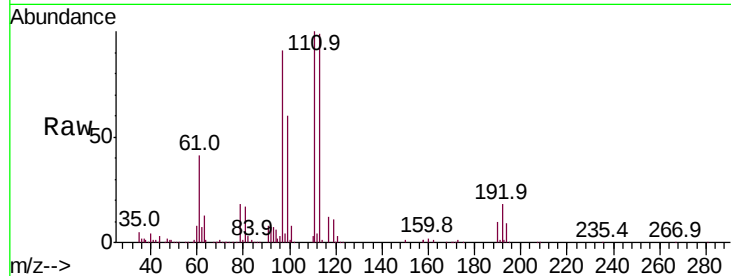
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	127201
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.6	123.8
192	19.6	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 10.481 ug/l

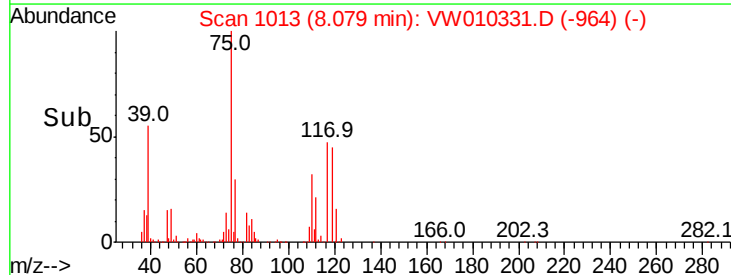
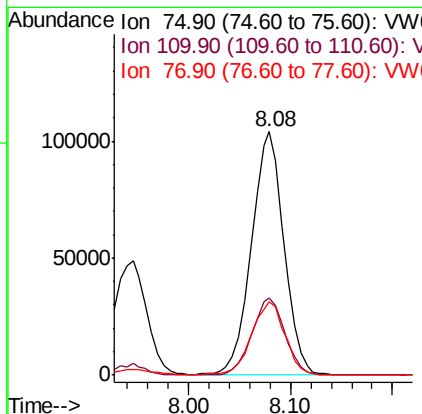
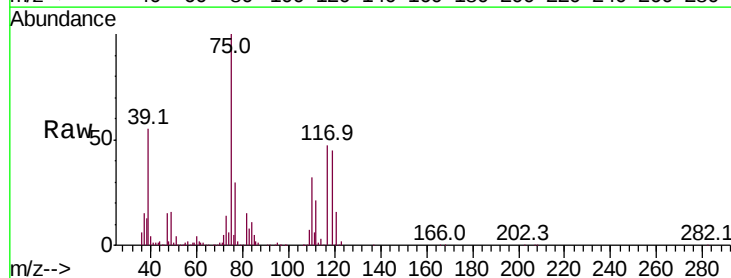
RT: 8.08 min Scan# 1013

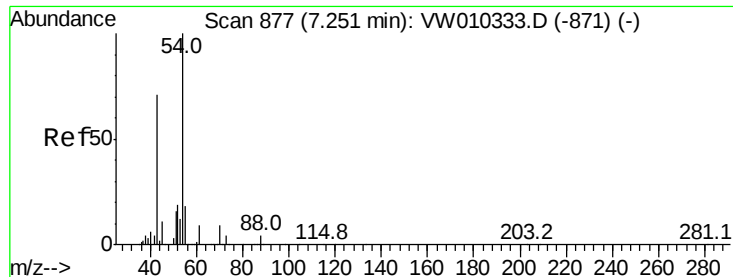
Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	75	Resp:	230271
Ion Ratio	Lower	Upper	
75	100		
110	32.3	16.6	49.8
77	30.8	24.8	37.2





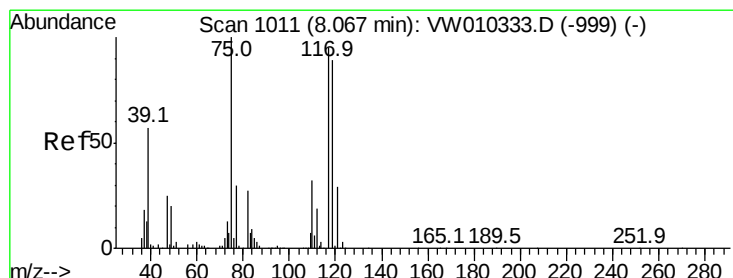
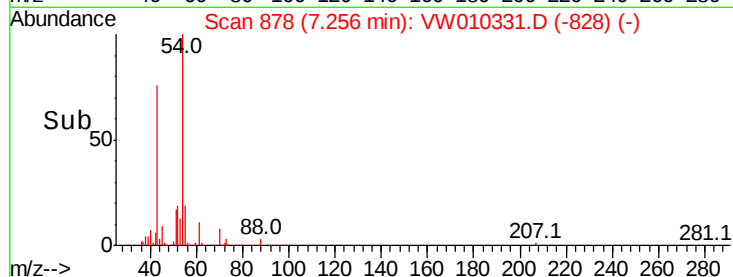
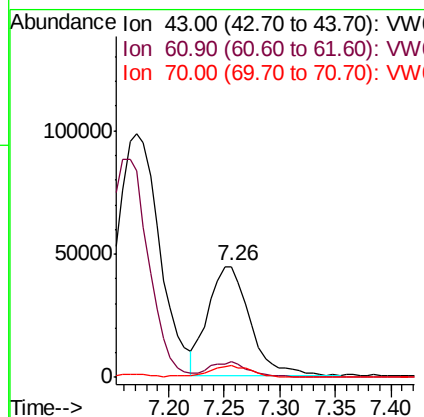
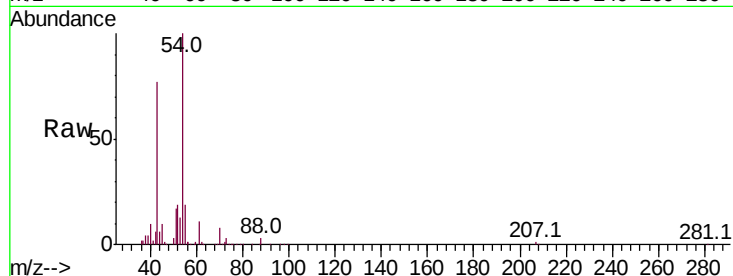
#37
Ethyl Acetate
Concen: 10.413 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	9.8	14.8
70	11.3	7.4	11.0

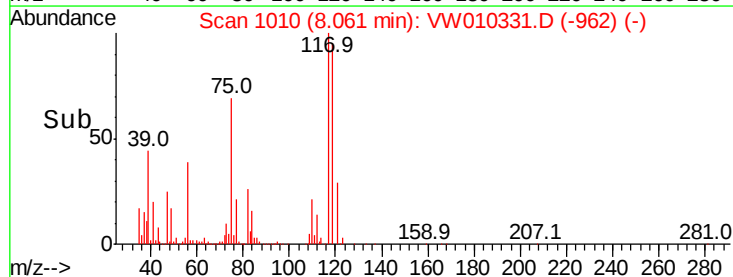
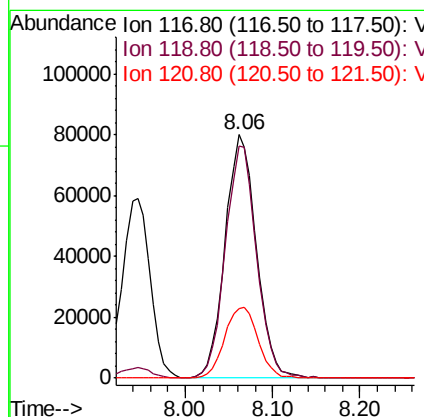
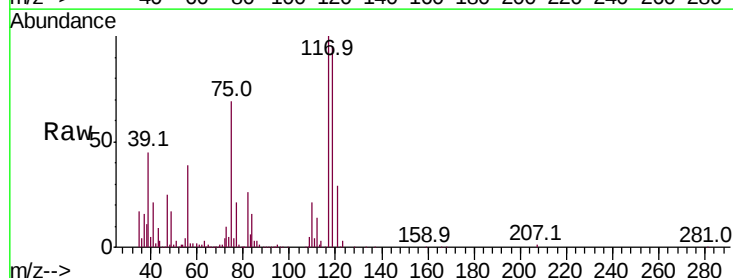
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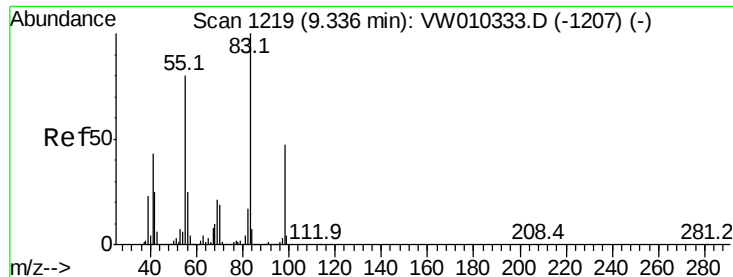
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#38
Carbon Tetrachloride
Concen: 9.235 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.3	112.9
121	28.8	24.4	36.6





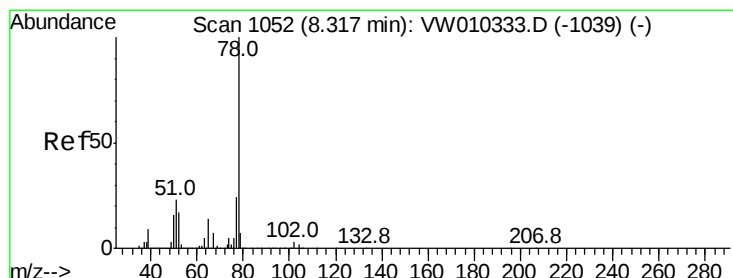
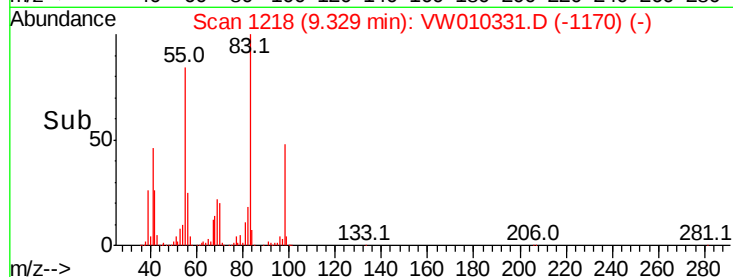
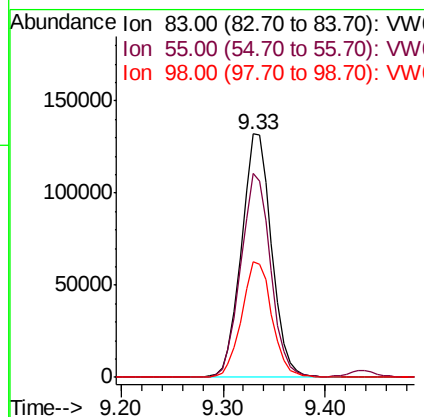
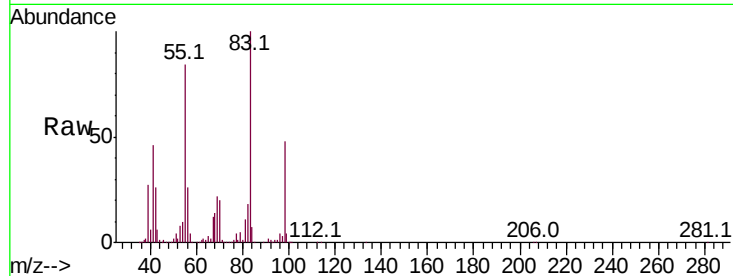
#39
Methvlcvclohexane
Concen: 10.982 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	271515		
55	84.0		67.1	100.7
98	47.7		39.2	58.8

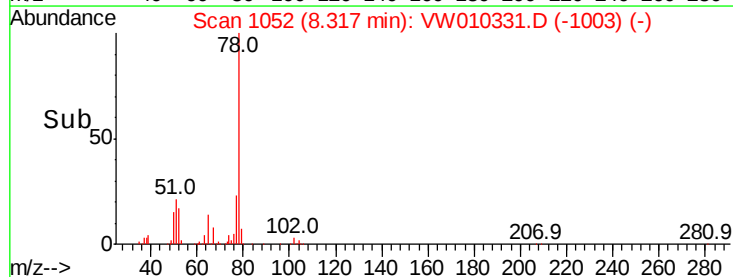
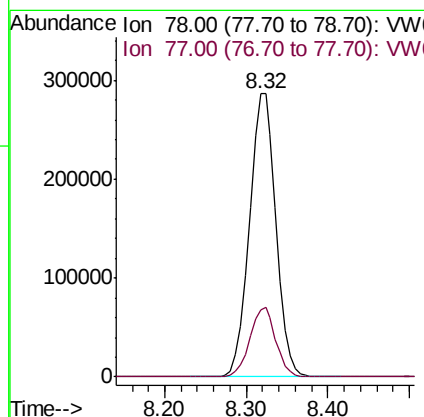
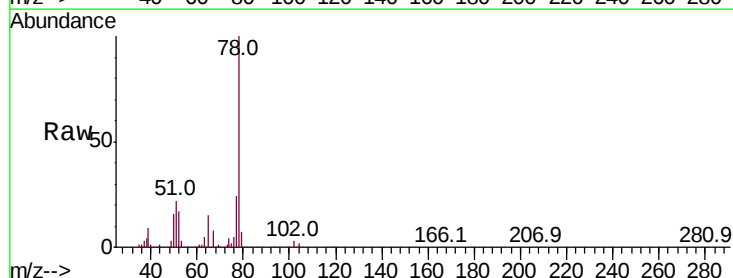
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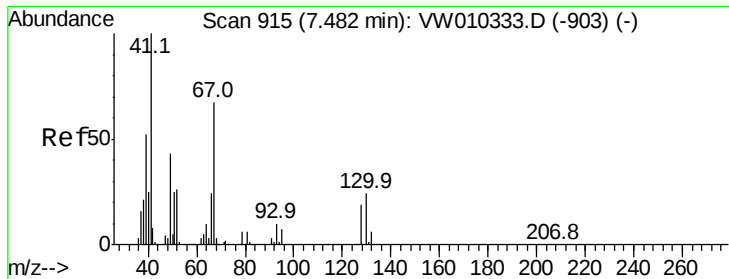
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#40
Benzene
Concen: 10.783 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	647762		
77	23.6		19.1	28.7





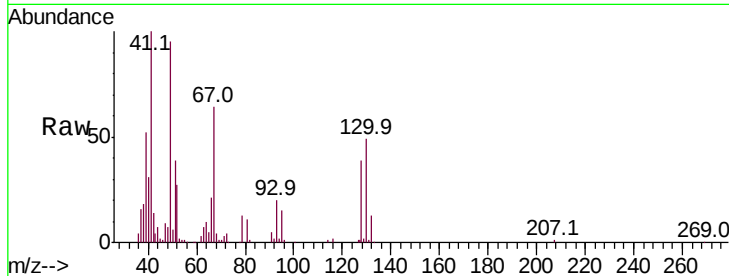
#41
Methacrylonitrile
Concen: 9.852 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

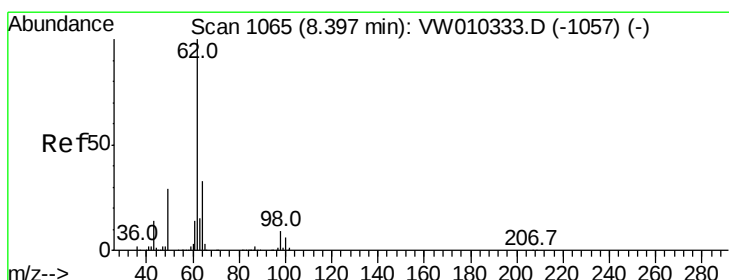
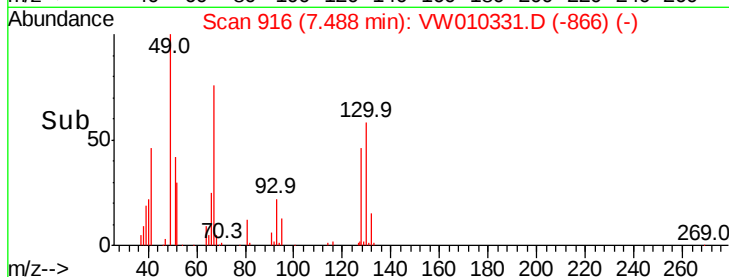
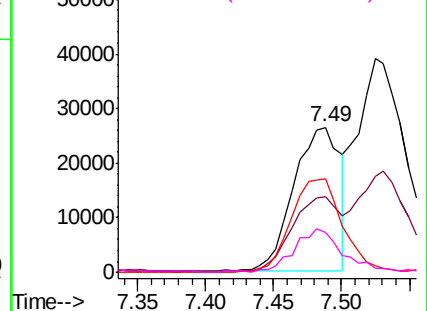
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.5	45.0	67.4
67	72.0	50.7	76.1
52	32.0	22.6	33.8

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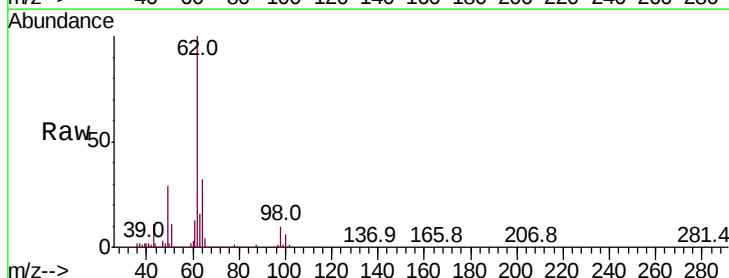


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

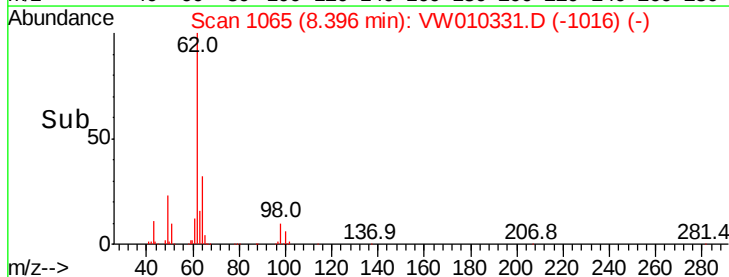
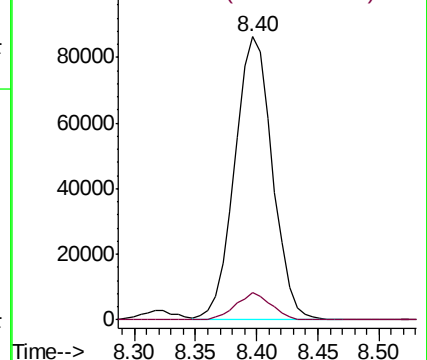


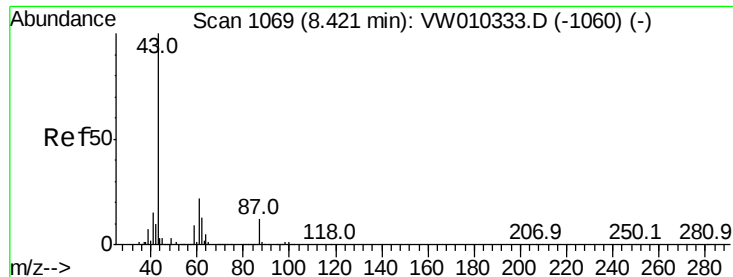
#42
1,2-Dichloroethane
Concen: 8.888 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 8.933 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

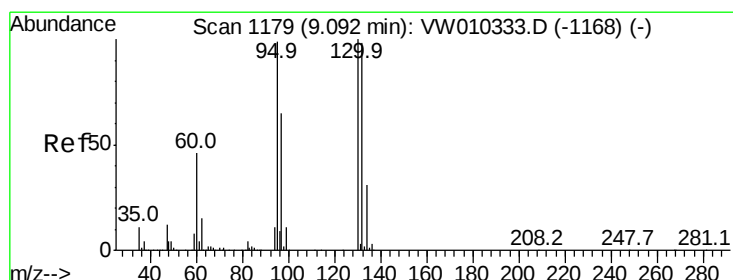
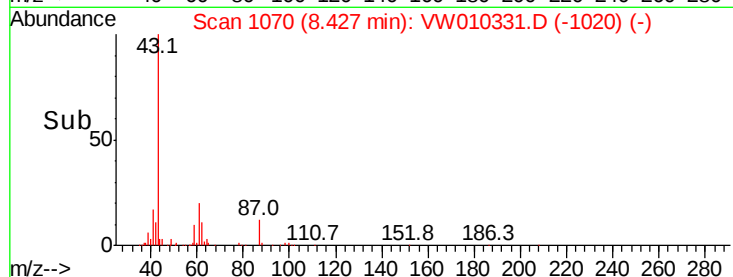
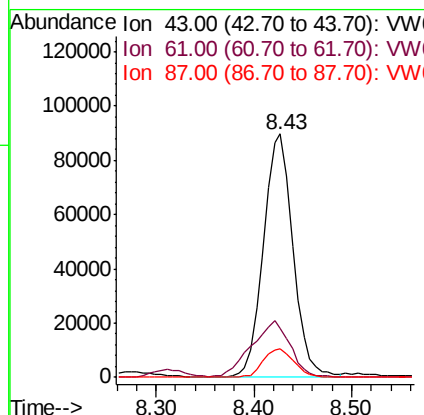
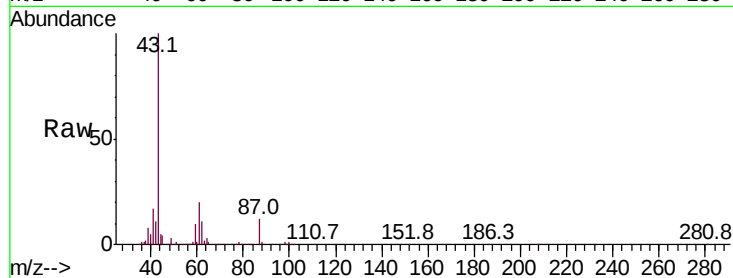
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	186883
Ion Ratio	Lower	Upper	
43	100		
61	30.6	23.0	34.6
87	12.4	9.3	13.9

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#44

Trichloroethene

Concen: 10.382 ug/l

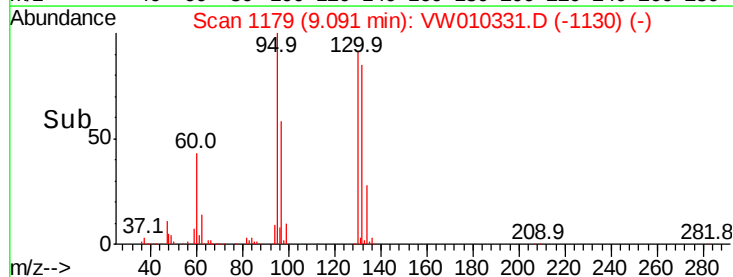
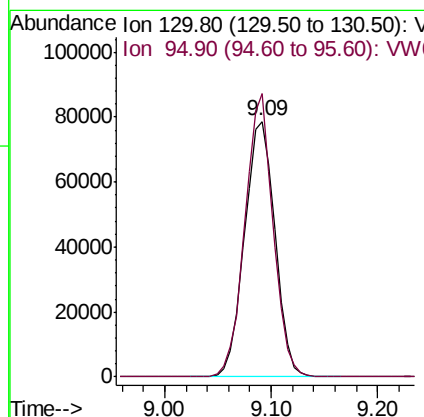
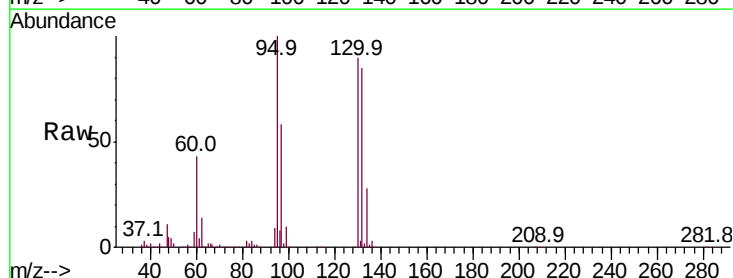
RT: 9.09 min Scan# 1179

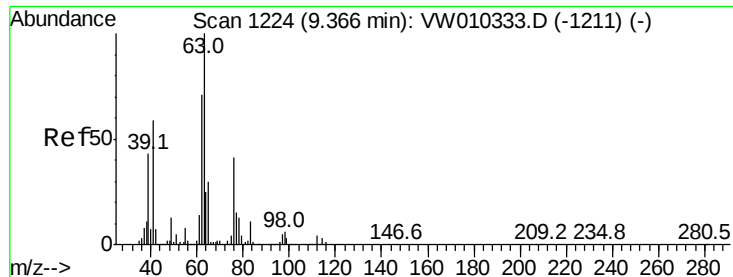
Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	130	Resp:	158403
Ion Ratio	Lower	Upper	
130	100		
95	110.6	0.0	205.4





#45

1,2-Dichloropropane

Concen: 10.096 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 159418

Ion Ratio Lower Upper

63 100

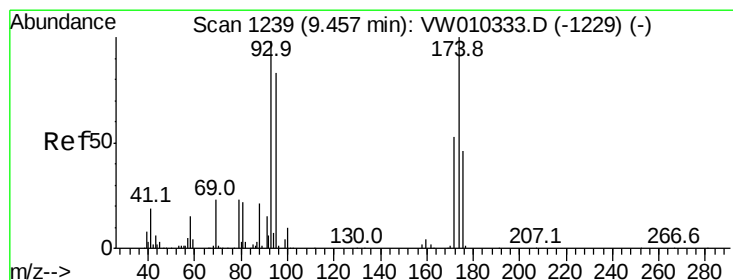
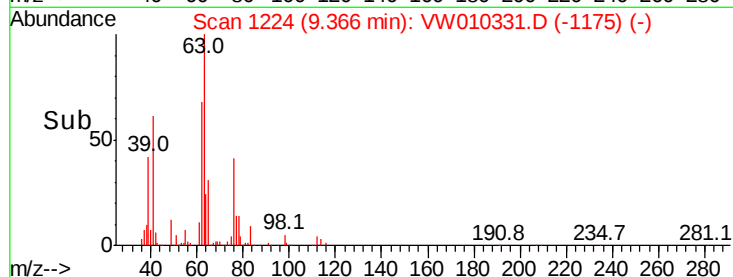
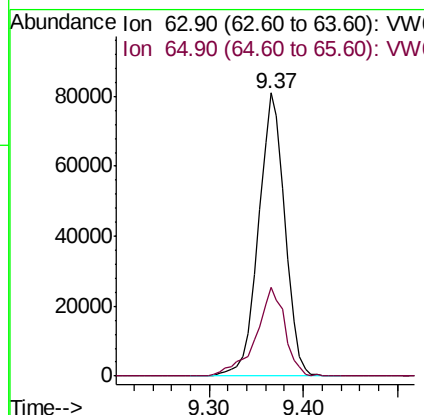
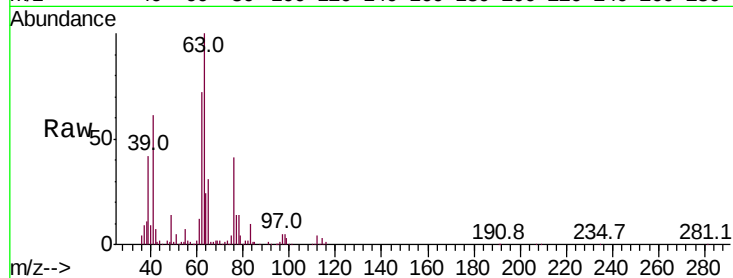
65 31.3 23.8 35.6

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#46

Dibromomethane

Concen: 10.210 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

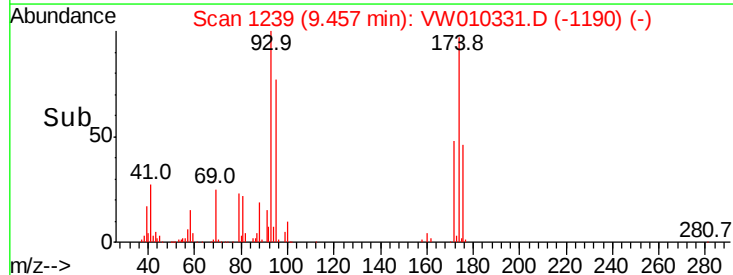
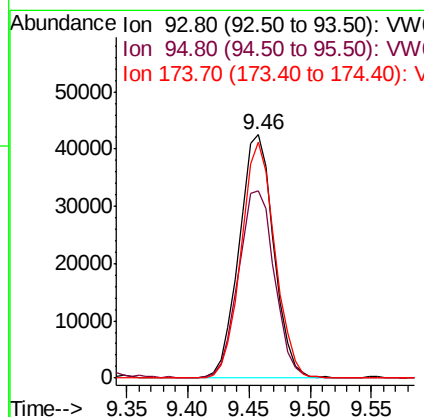
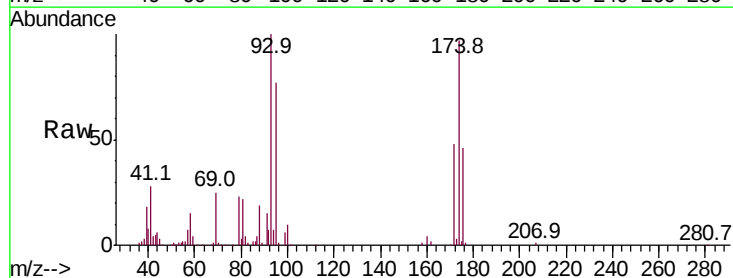
Tgt Ion: 93 Resp: 83557

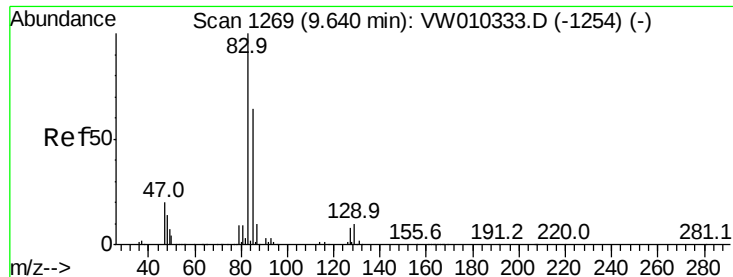
Ion Ratio Lower Upper

93 100

95 80.2 65.8 98.8

174 94.2 75.5 113.3





#47

Bromodichloromethane

Concen: 9.053 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

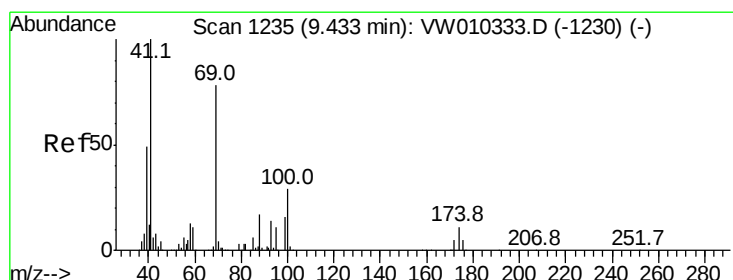
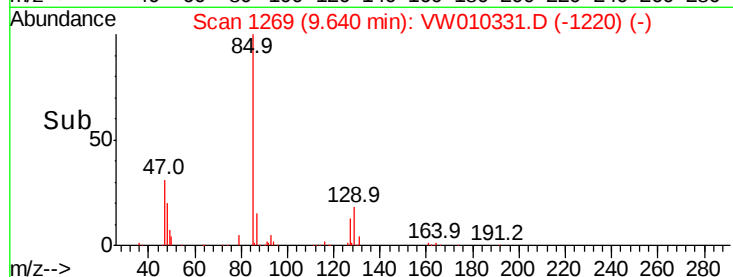
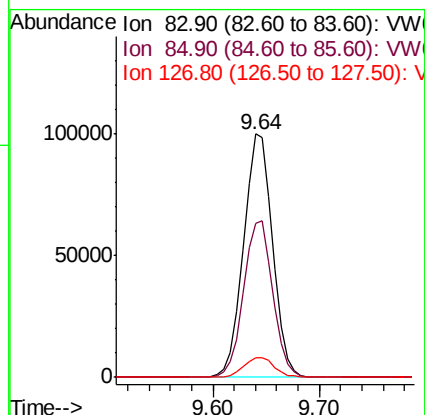
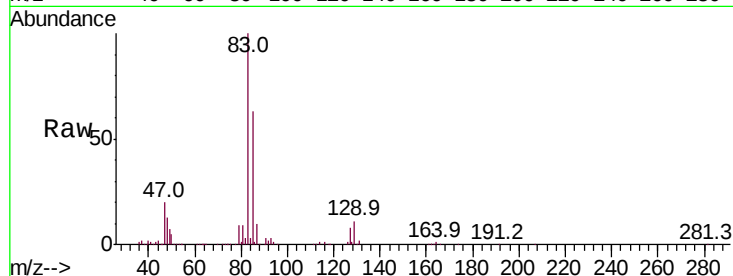
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	191249
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.6	75.8
127	8.0	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 8.366 ug/l

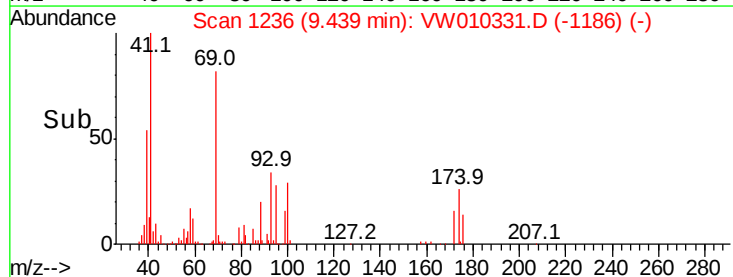
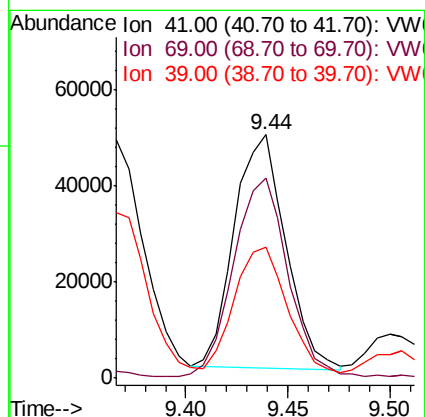
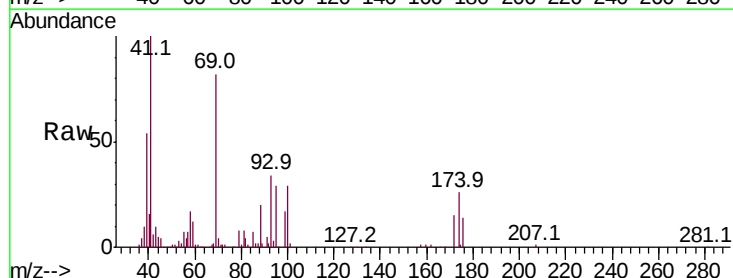
RT: 9.44 min Scan# 1236

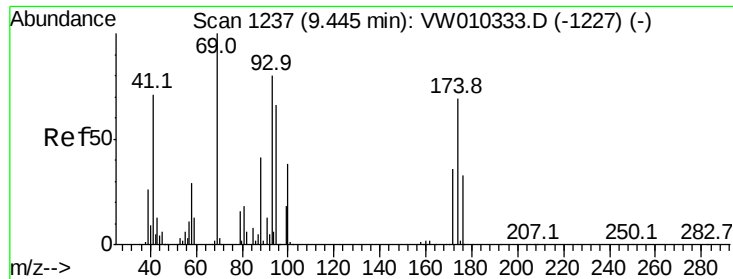
Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	41	Resp:	85192
Ion Ratio	Lower	Upper	
41	100		
69	90.4	60.1	90.1#
39	54.4	51.0	76.6





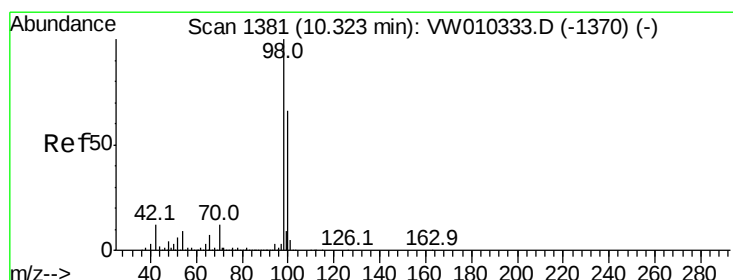
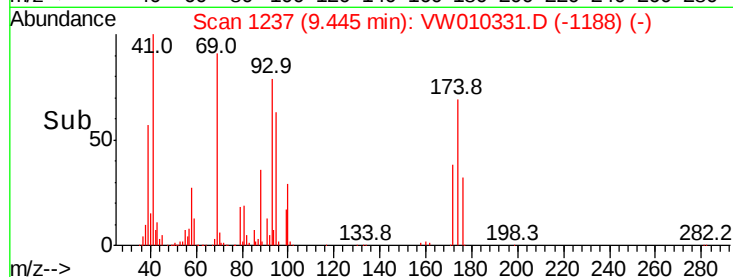
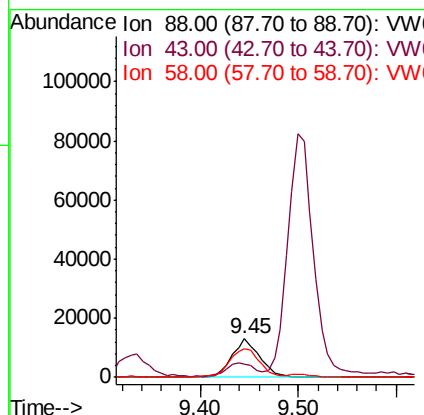
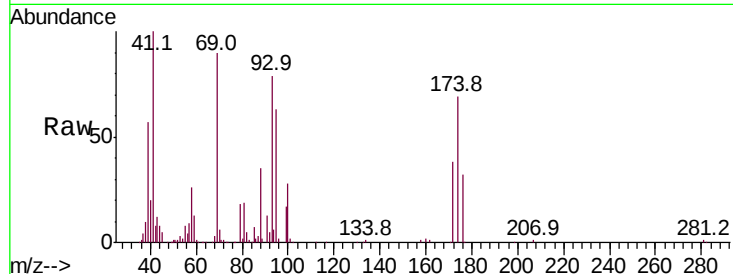
#49
1,4-Dioxane
Concen: 206.966 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	88	Resp	25881
Ion	Ratio	Lower	Upper
88	100		
43	34.6	31.9	47.9
58	80.8	61.8	92.6

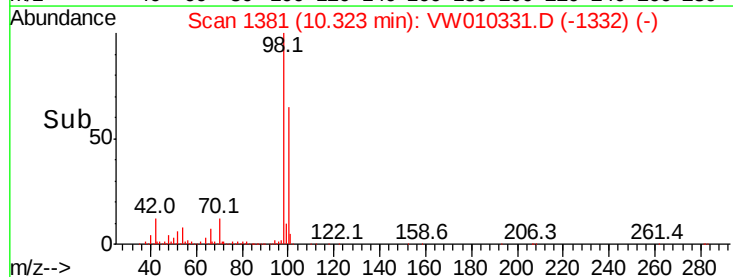
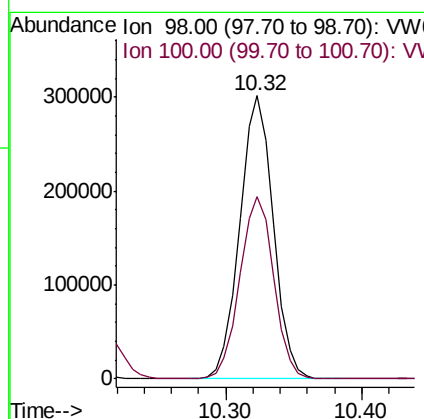
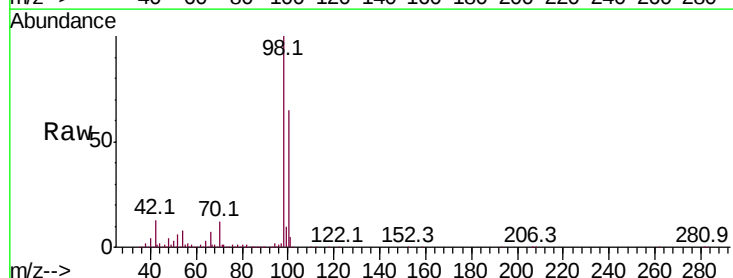
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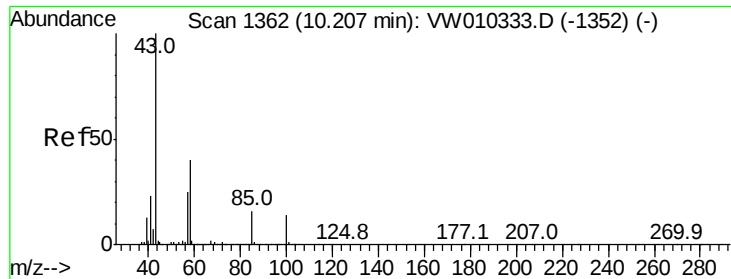
MMDadoda
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#50
Toluene-d8
Concen: 10.111 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	98	Resp	518077
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5





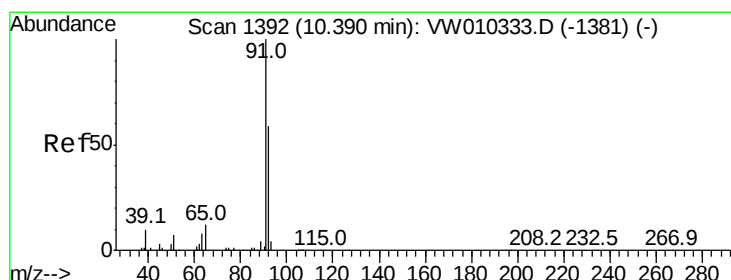
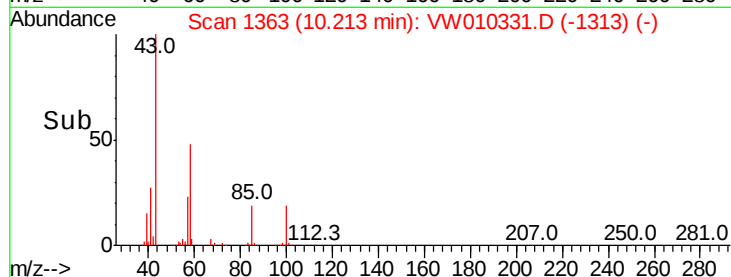
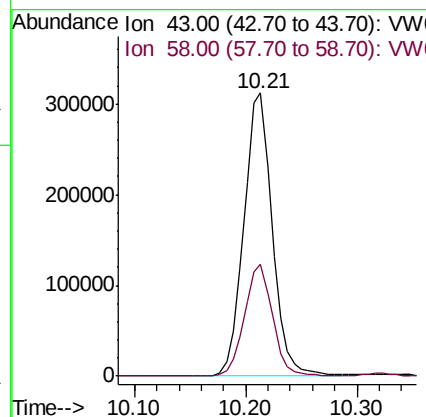
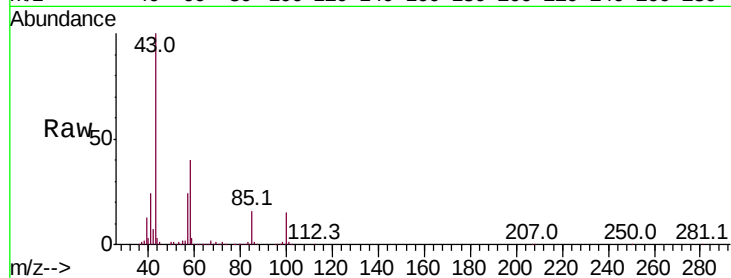
#51
4-Methyl-2-Pentanone
Concen: 50.150 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	43	58	Ratio	100	39.0	Resp	549504	Lower	28.9	Upper	43.3
Ion	43	58	Ratio	100	39.0	Resp	549504	Lower	28.9	Upper	43.3

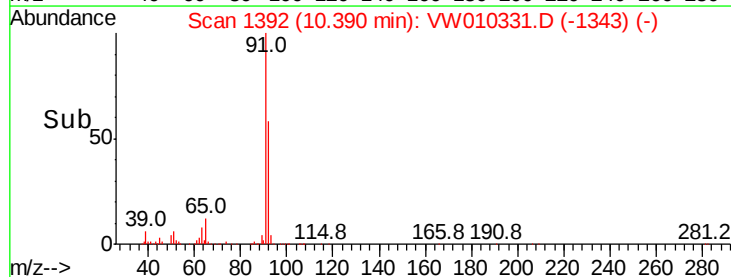
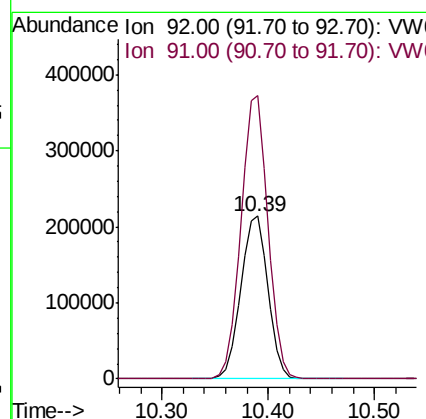
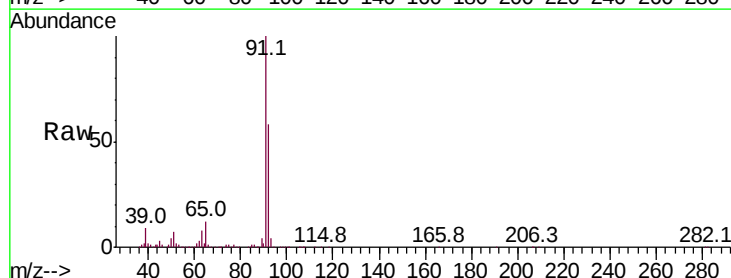
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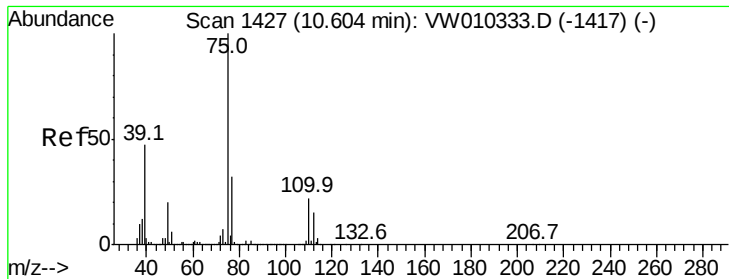
MMDadoda
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#52
Toluene
Concen: 10.282 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	92	91	Ratio	100	172.8	Resp	384763	Lower	138.5	Upper	207.7
Ion	92	91	Ratio	100	172.8	Resp	384763	Lower	138.5	Upper	207.7





#53

t-1,3-Dichloropropene

Concen: 8.960 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 187676

Ion Ratio Lower Upper

75 100

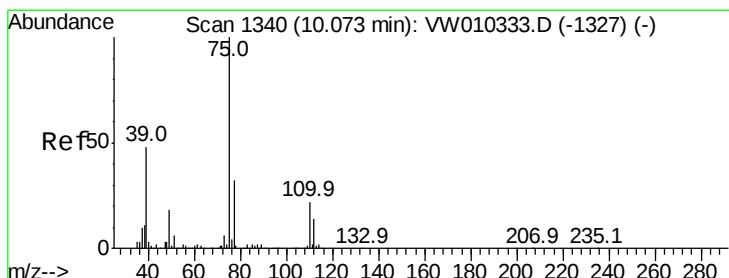
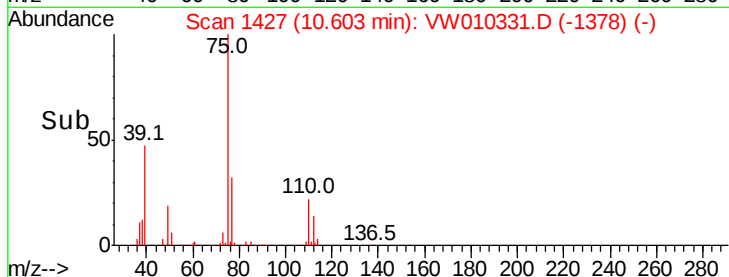
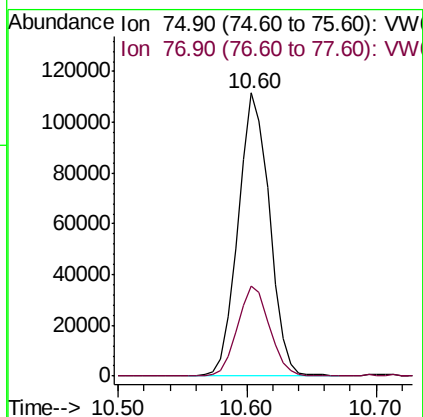
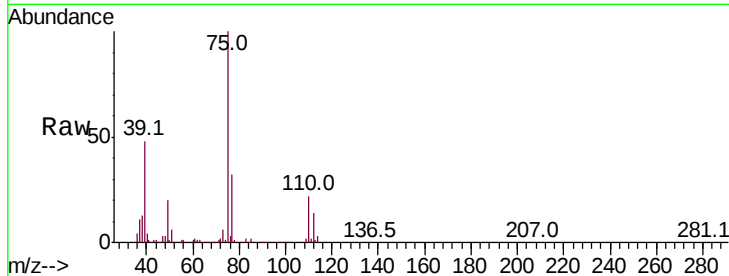
77 31.8 26.9 40.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 9.315 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

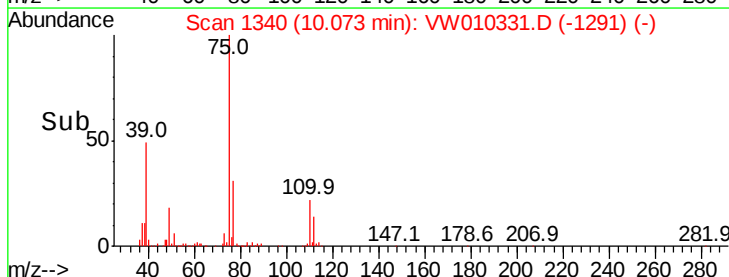
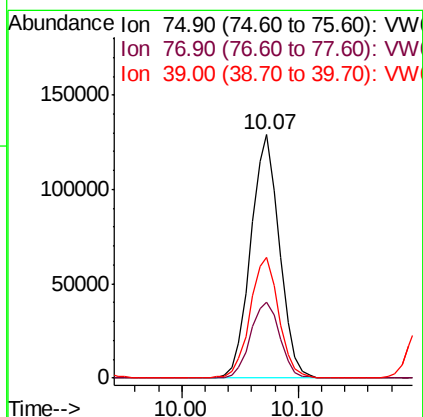
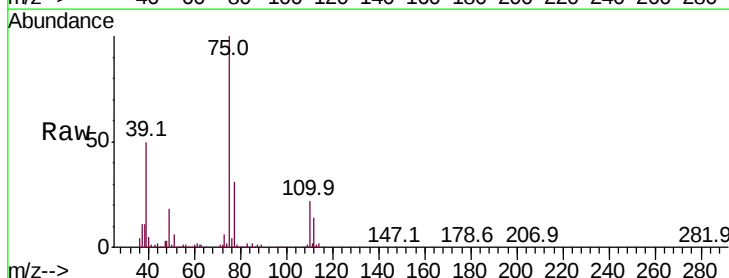
Tgt Ion: 75 Resp: 222794

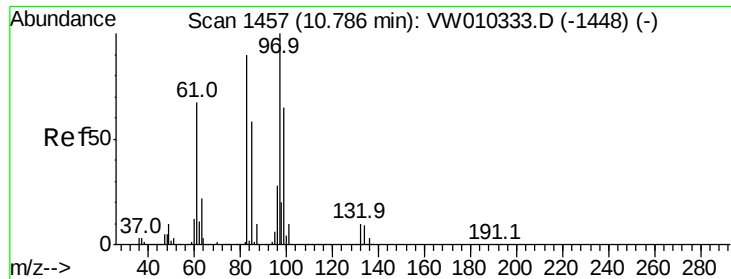
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 49.6 47.8 71.6





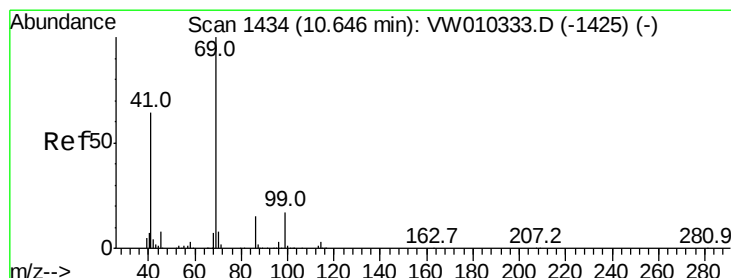
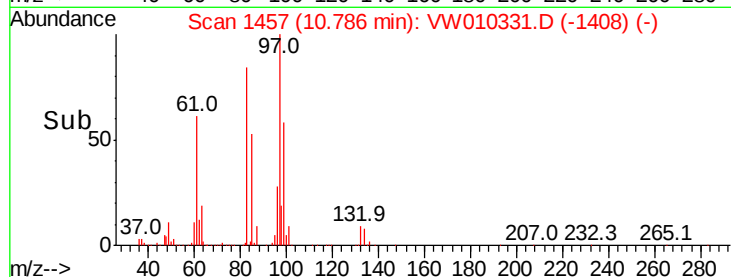
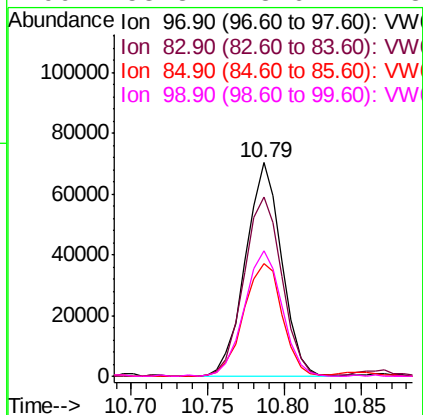
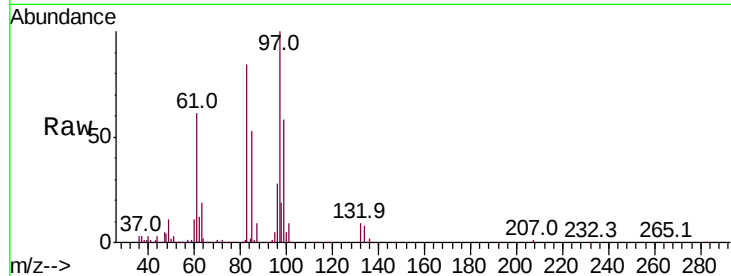
#55
 1,1,2-Trichloroethane
 Concen: 10.147 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	115905
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.9	103.3
85	52.5	42.9	64.3
99	58.3	48.6	72.8

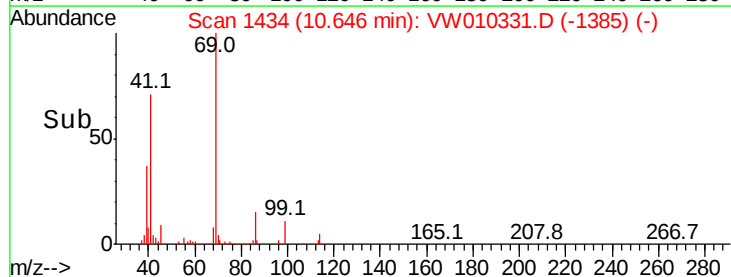
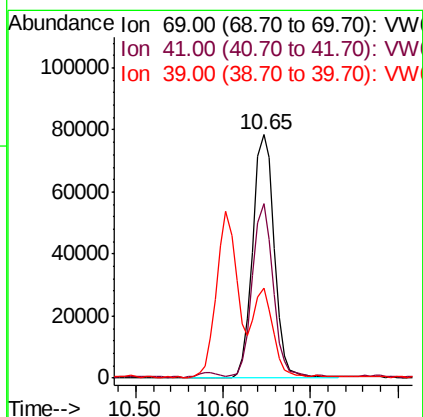
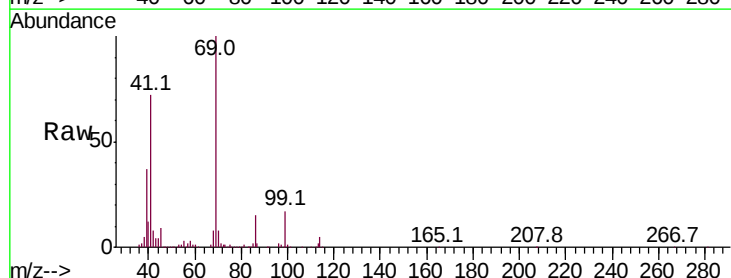
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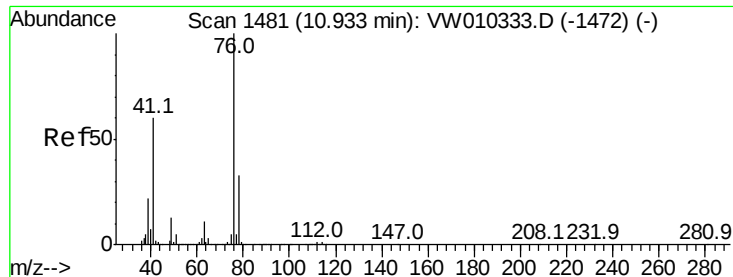
MMDadoda
 5/10/2019 10:07:16 AM



#56
 Ethyl methacrylate
 Concen: 9.507 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion:	69	Resp:	135004
Ion	Ratio	Lower	Upper
69	100		
41	67.4	61.0	91.6
39	32.5	33.8	50.6#





#57

1,3-Dichloropropane

Concen: 9.962 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 203955

Ion Ratio Lower Upper

76 100

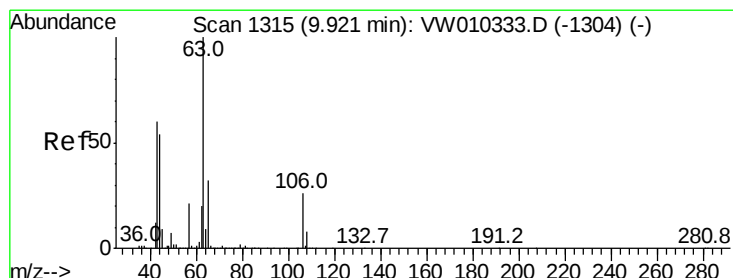
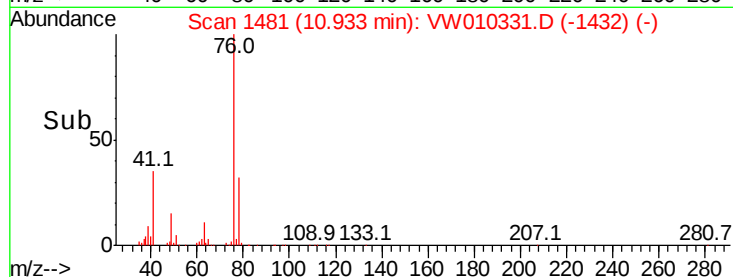
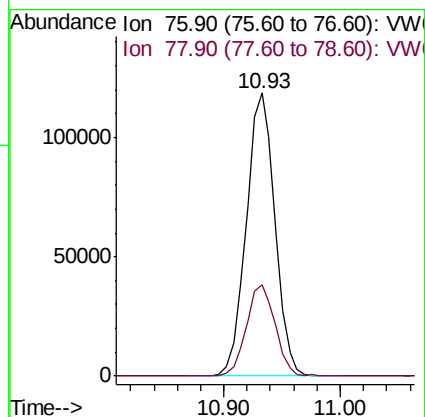
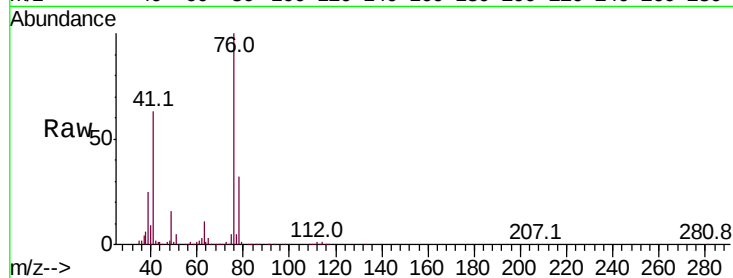
78 32.4 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 51.017 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010331.D

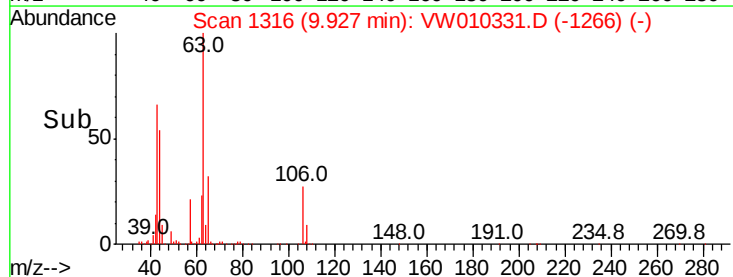
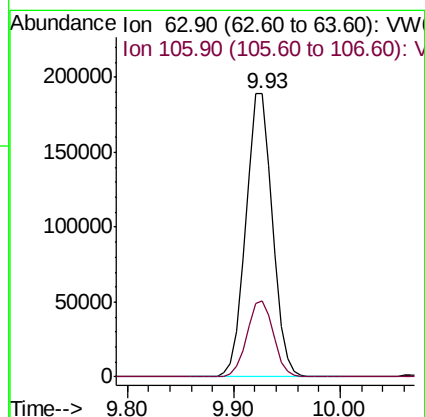
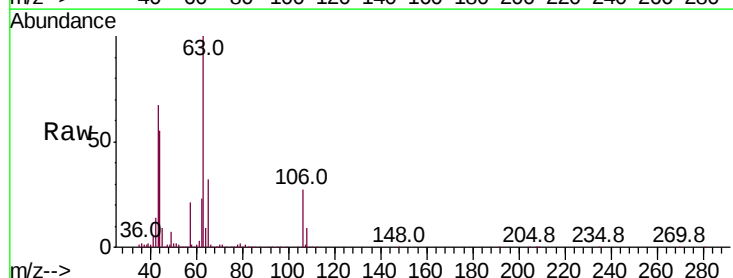
Acq: 09 May 2019 11:38

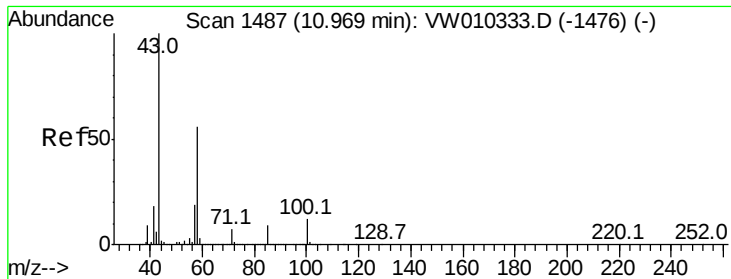
Tgt Ion: 63 Resp: 333629

Ion Ratio Lower Upper

63 100

106 26.9 21.4 32.0





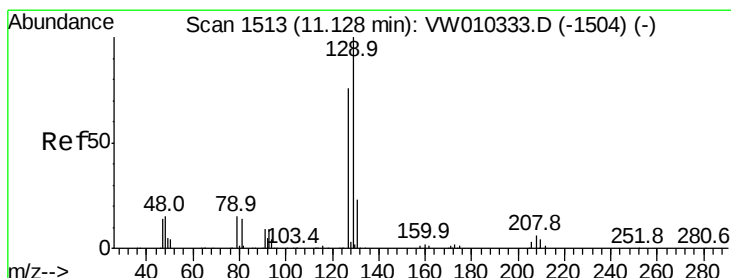
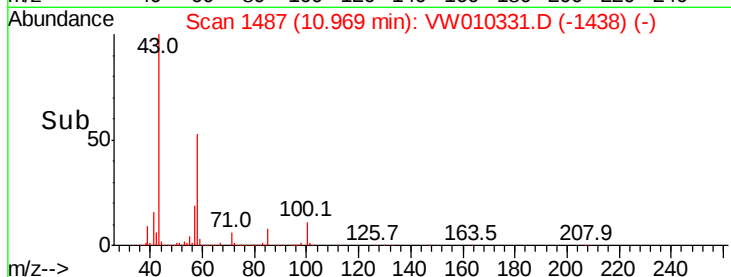
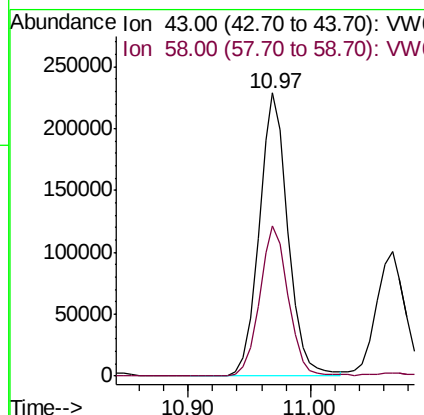
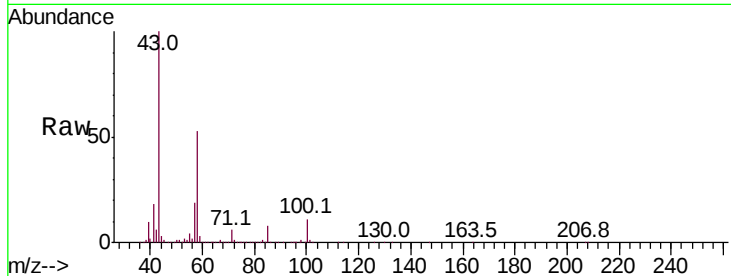
#59
2-Hexanone
Concen: 48.993 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 373689
Ion Ratio Lower Upper
43 100
58 52.9 24.9 74.7

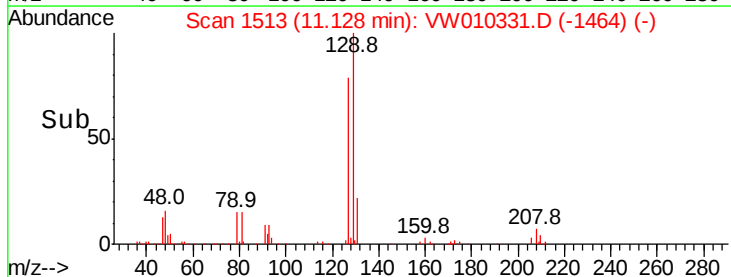
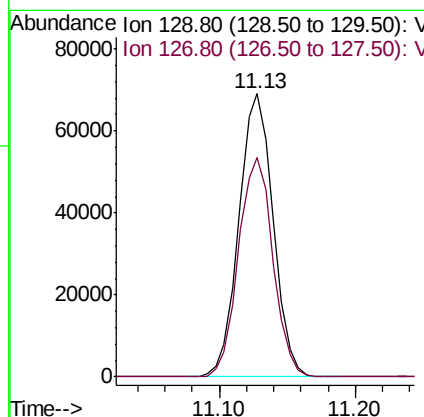
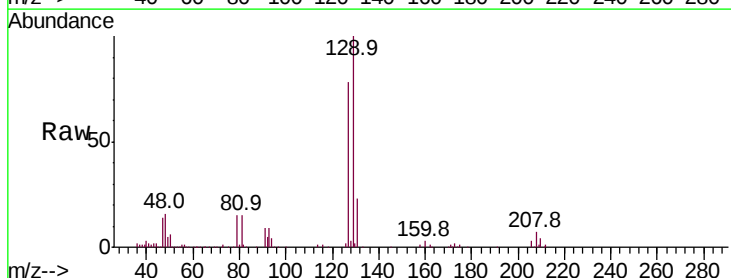
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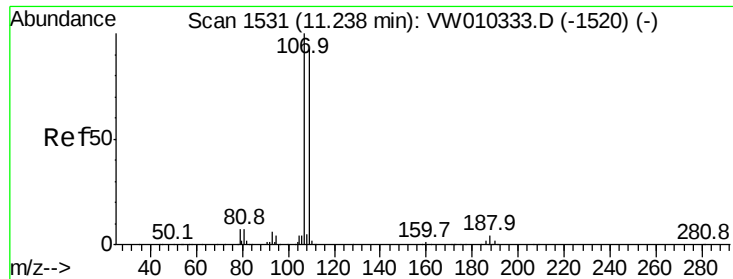
MMDadoda
5/10/2019 10:07:16 AM



#60
Dibromochloromethane
Concen: 9.190 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion: 129 Resp: 121328
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 10.232 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 111177

Ion Ratio Lower Upper

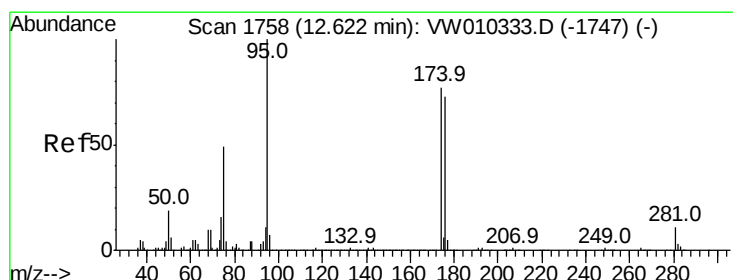
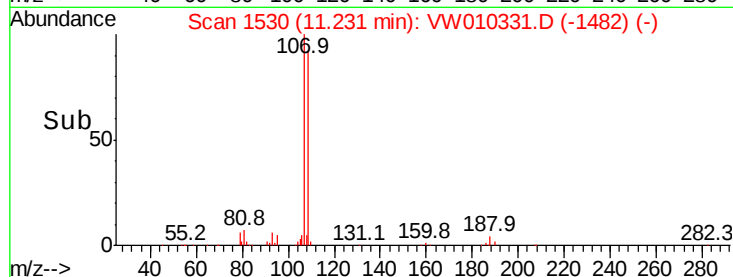
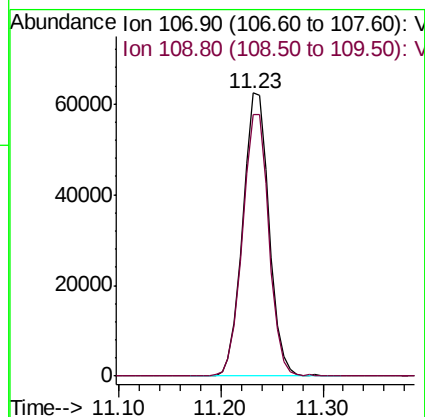
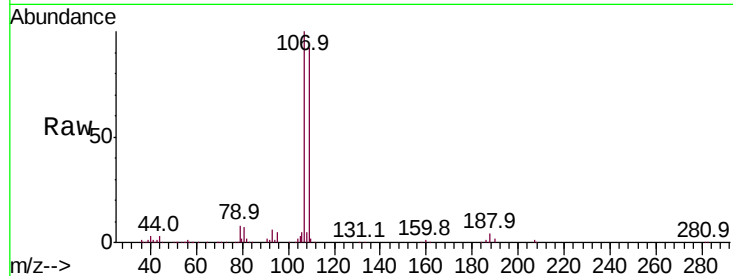
107 100

109 92.8 73.6 110.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 9.186 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

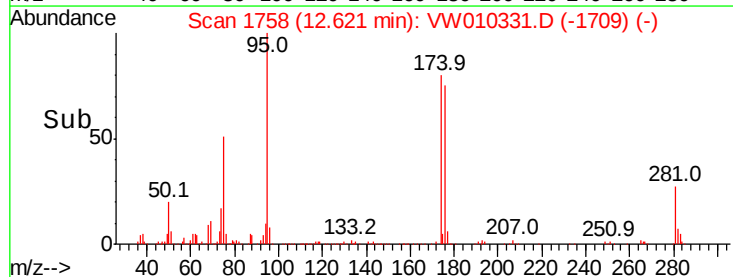
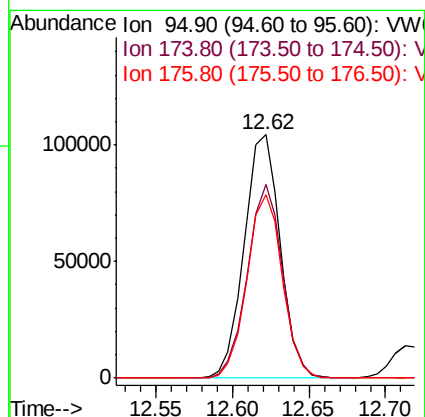
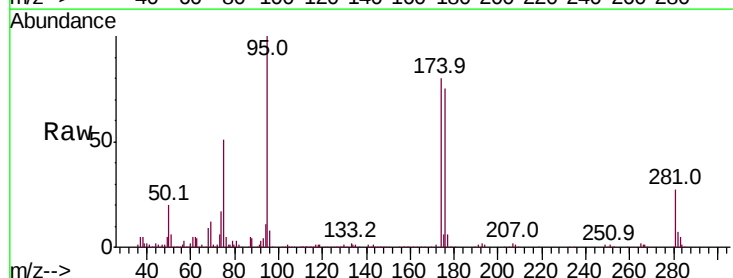
Tgt Ion: 95 Resp: 171085

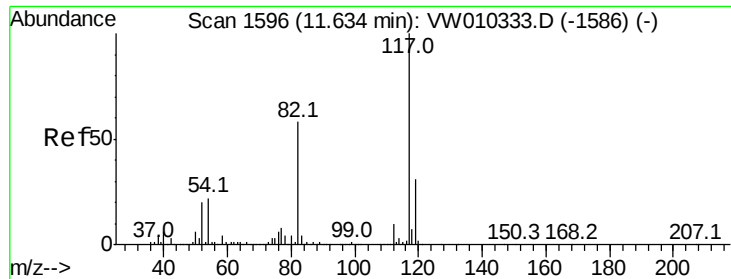
Ion Ratio Lower Upper

95 100

174 77.5 0.0 151.4

176 74.3 0.0 146.2





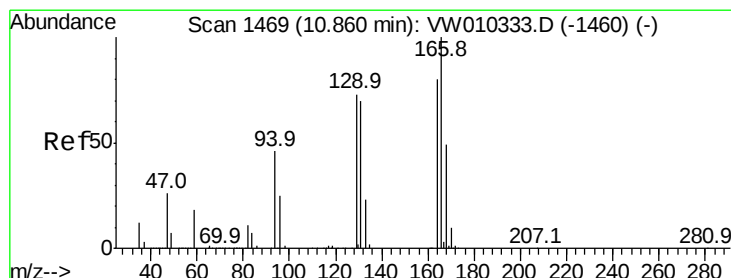
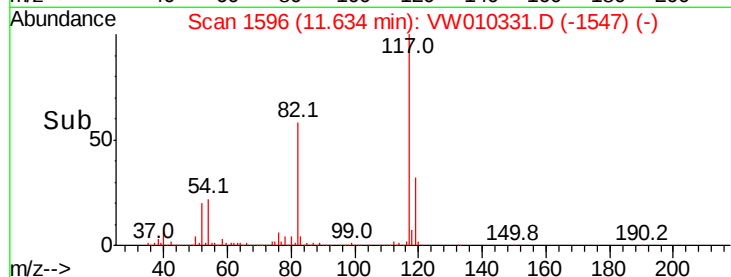
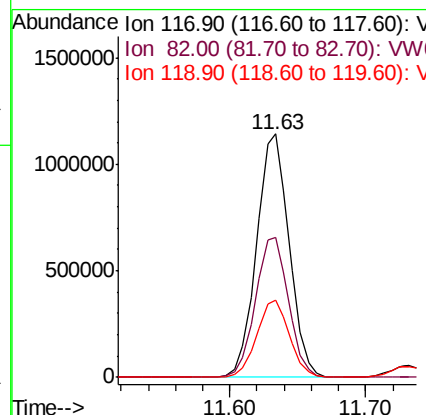
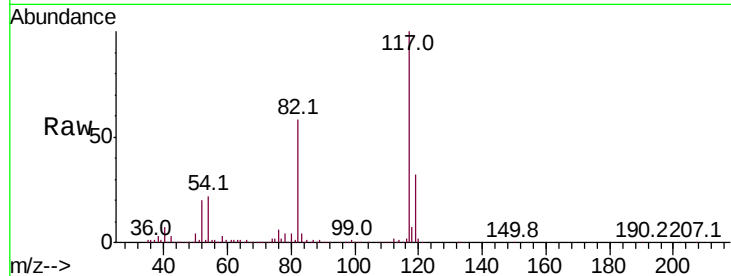
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.2	67.8
119	31.9	25.4	38.2

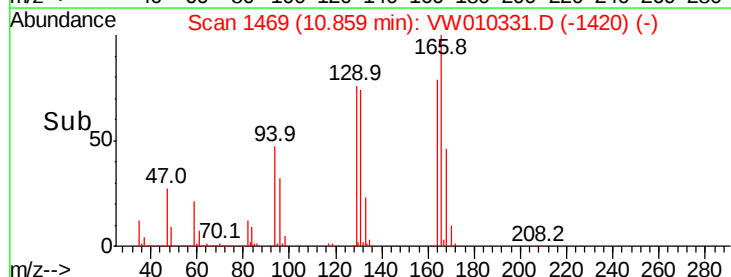
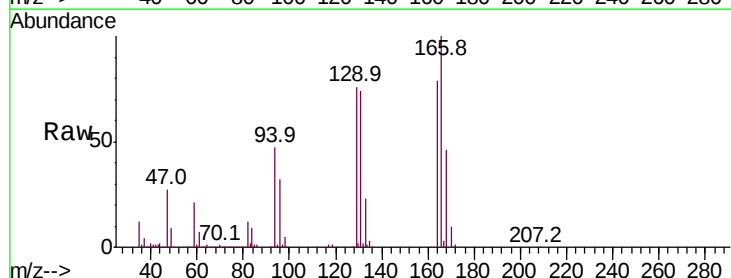
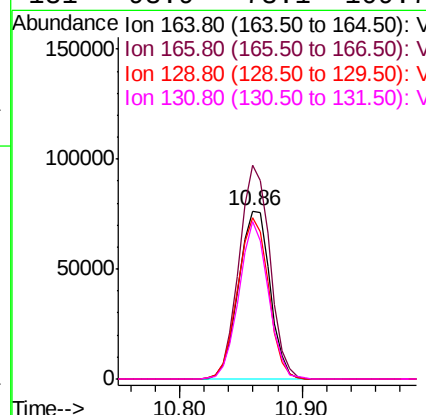
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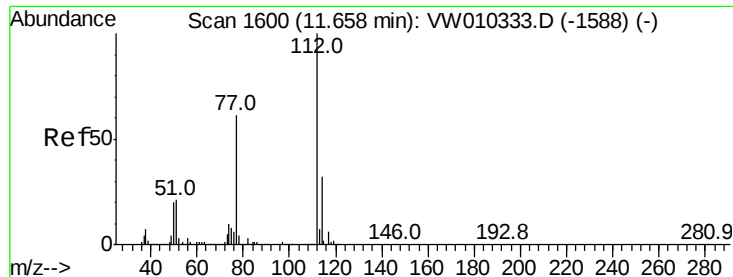
MMDadoda
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#64
Tetrachloroethene
Concen: 10.864 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.2	151.8
129	96.5	77.8	116.6
131	93.9	73.1	109.7





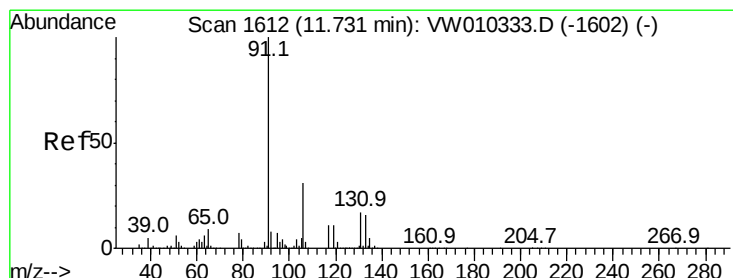
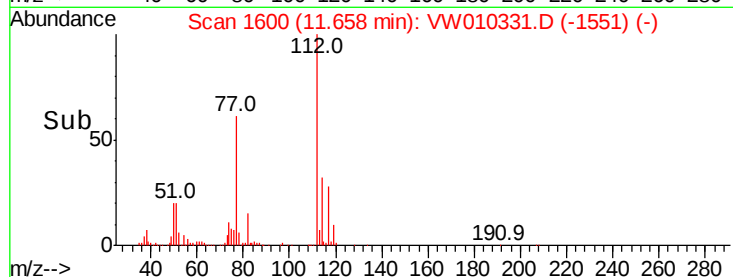
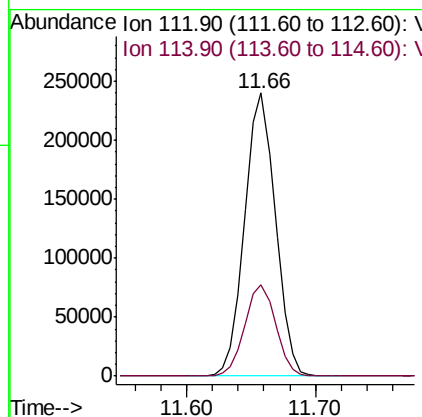
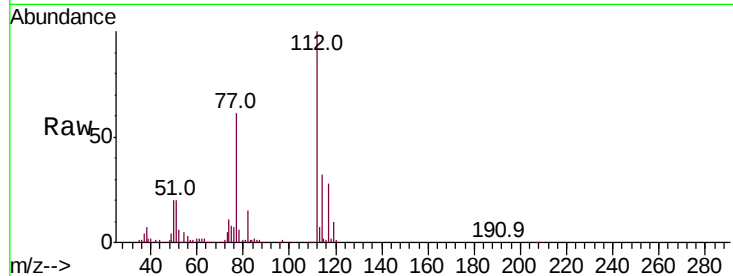
#65
Chlorobenzene
Concen: 10.100 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.5	39.7

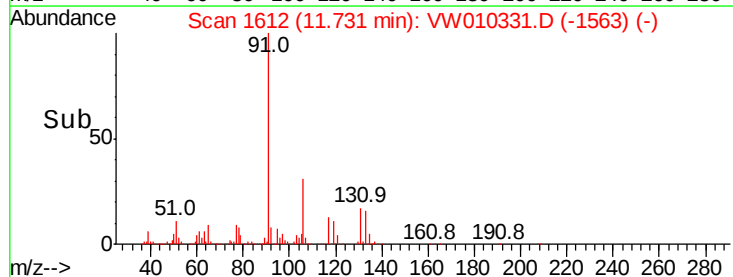
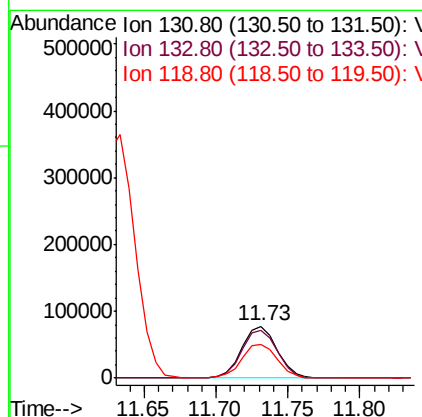
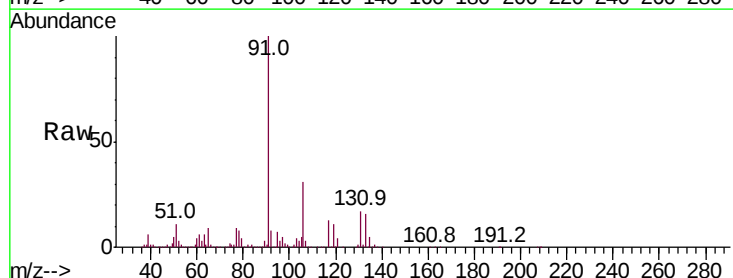
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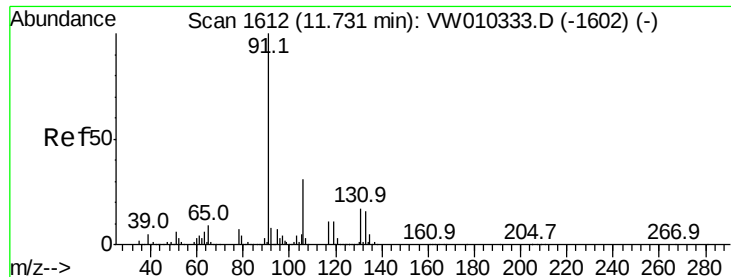
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.342 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	46.5	139.5
119	66.8	31.9	95.5





#67

Ethyl Benzene

Concen: 10.179 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 712687

Ion Ratio Lower Upper

91 100

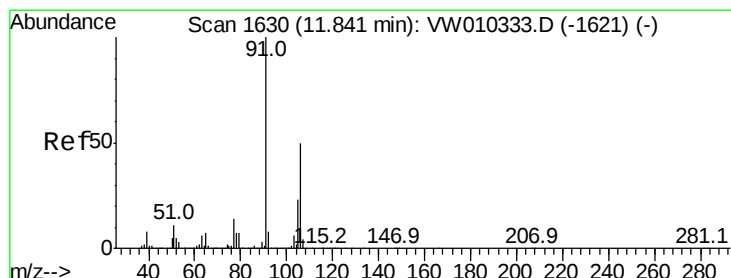
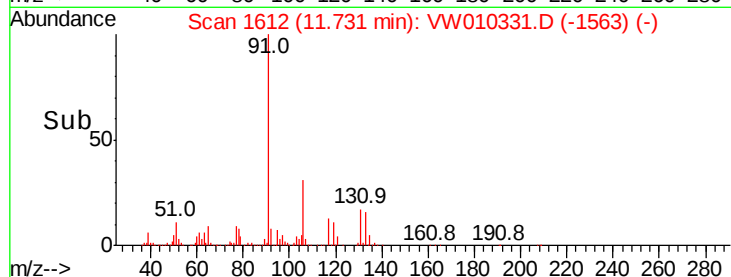
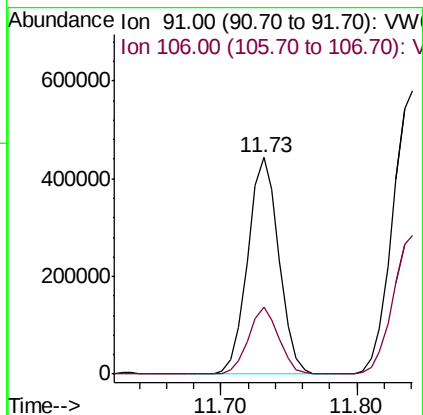
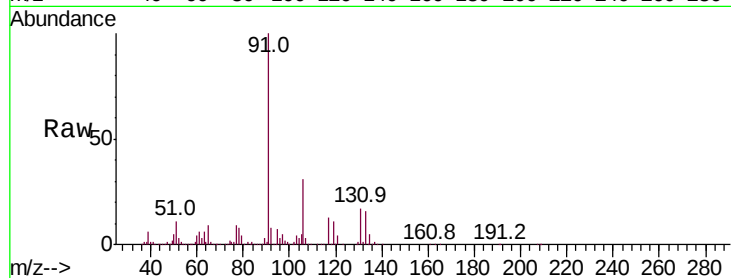
106 30.8 23.8 35.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 20.225 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010331.D

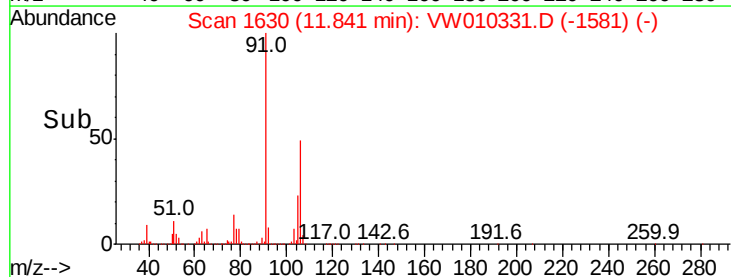
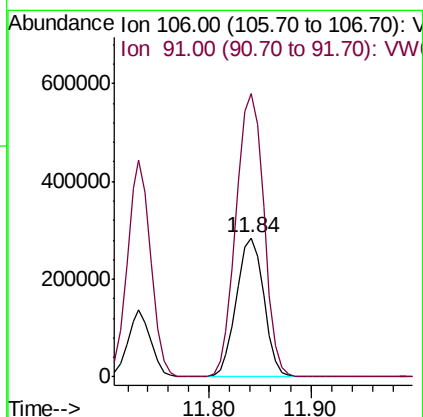
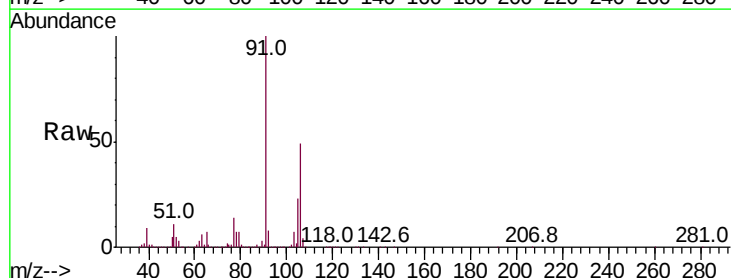
Acq: 09 May 2019 11:38

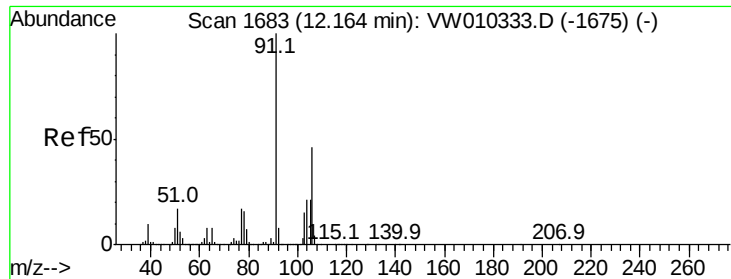
Tgt Ion: 106 Resp: 529336

Ion Ratio Lower Upper

106 100

91 207.1 165.0 247.6





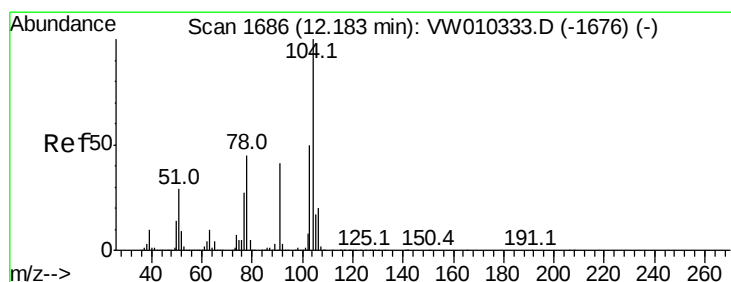
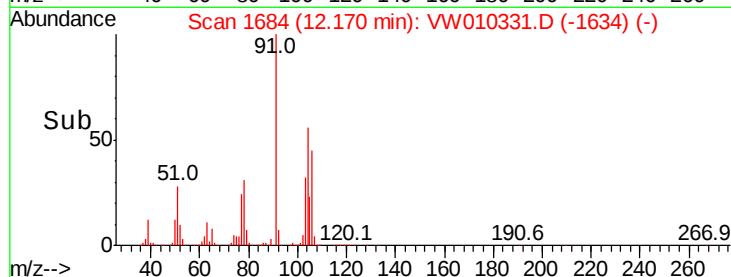
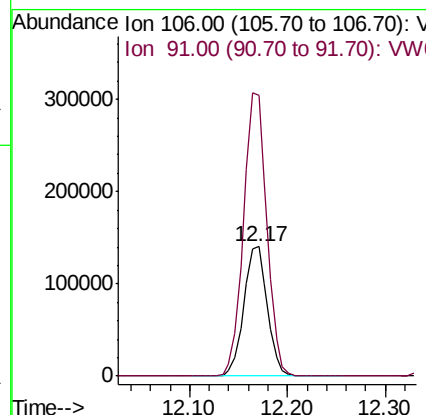
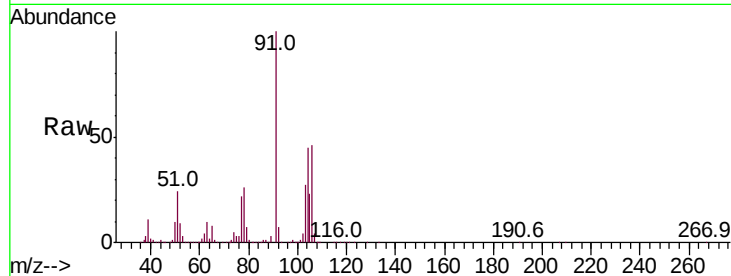
#69
o-Xylene
Concen: 9.785 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 233185
Ion Ratio Lower Upper
106 100
91 217.5 110.5 331.4

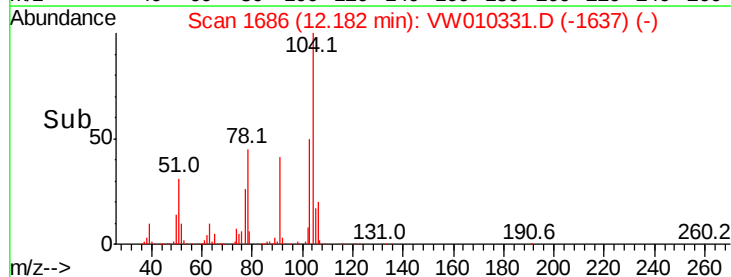
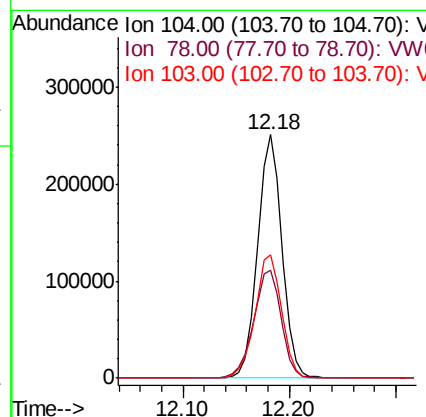
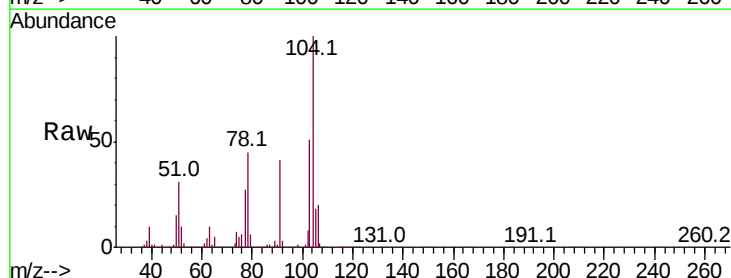
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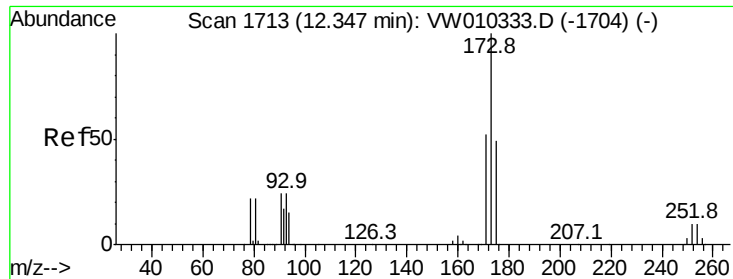
MMDadoda
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#70
Styrene
Concen: 9.804 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion:104 Resp: 402851
Ion Ratio Lower Upper
104 100
78 50.3 42.5 63.7
103 55.1 43.6 65.4





#71

Bromoform

Concen: 10.018 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

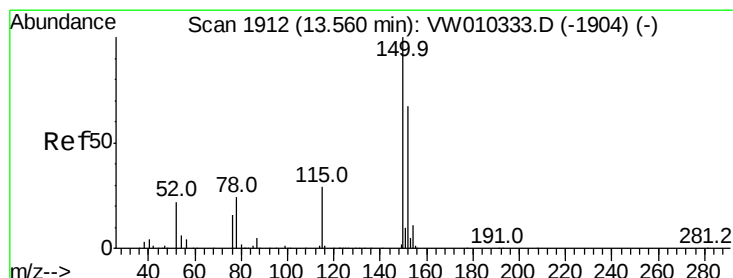
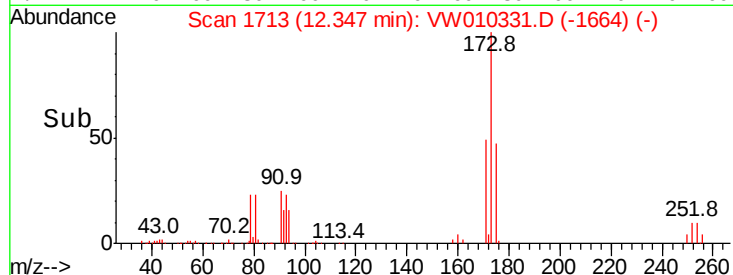
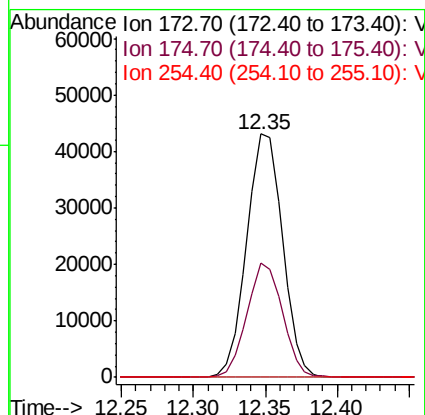
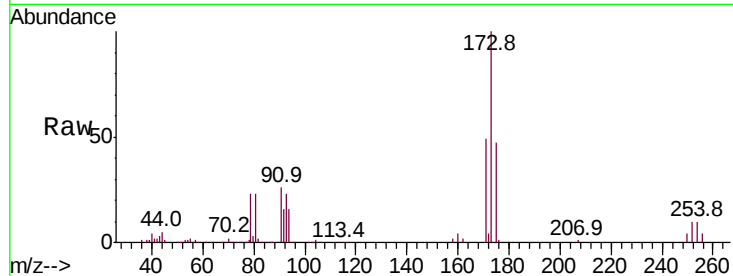
ClientSampleId :

VSTDIC010

Tot Ion:	173	Resp:	74342
Ion Ratio	Lower	Upper	
173	100		
175	46.6	23.8	71.4
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

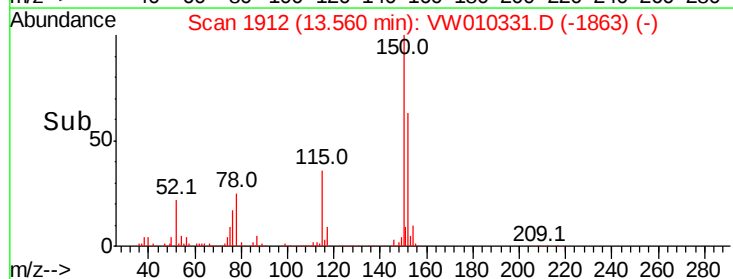
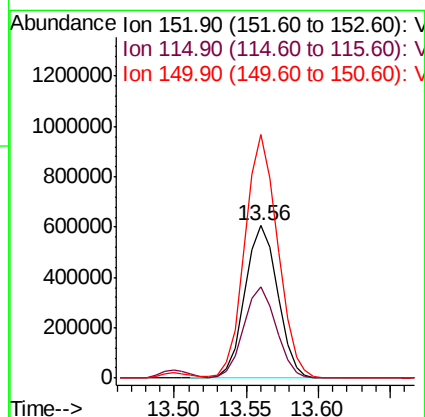
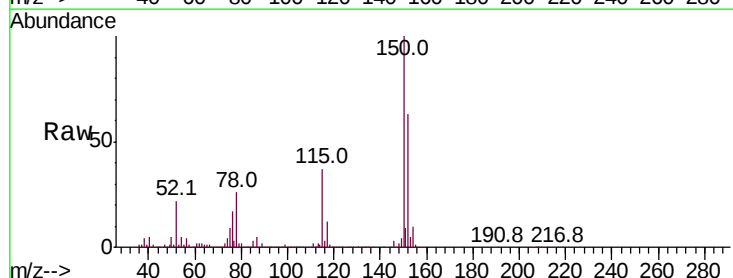
RT: 13.56 min Scan# 1912

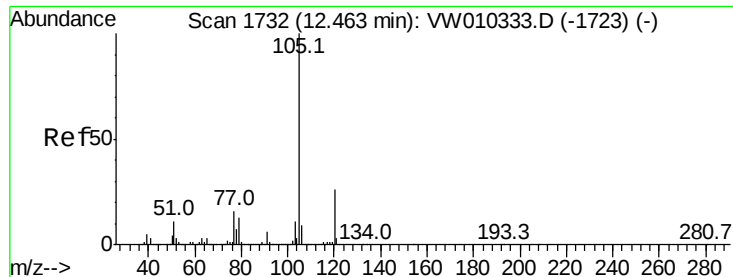
Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	152	Resp:	955481
Ion Ratio	Lower	Upper	
152	100		
115	59.2	30.4	91.2
150	159.8	0.0	347.0





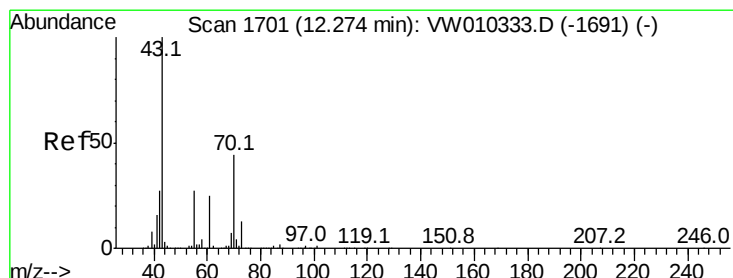
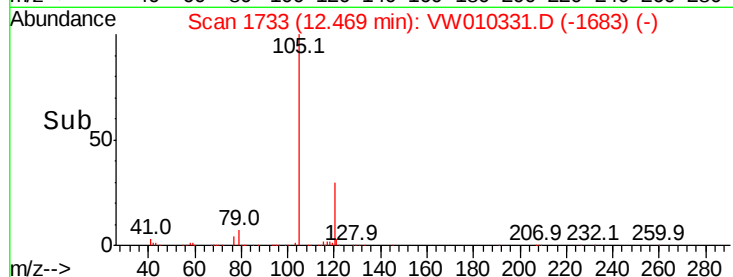
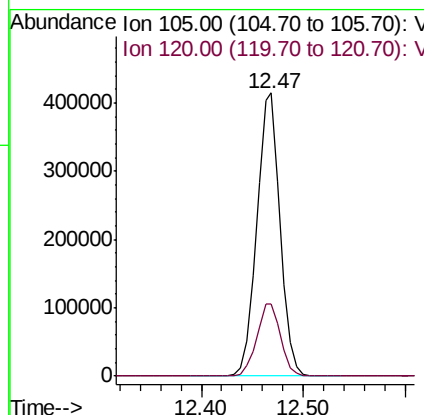
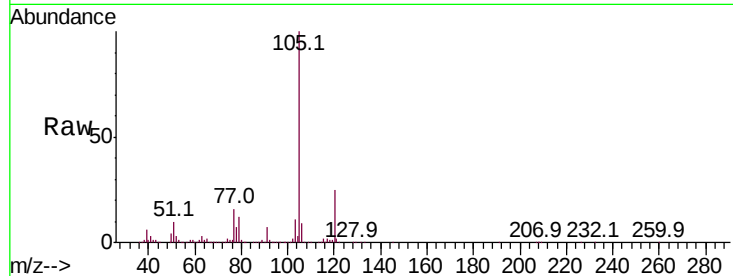
#73
Isopropylbenzene
Concen: 9.910 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

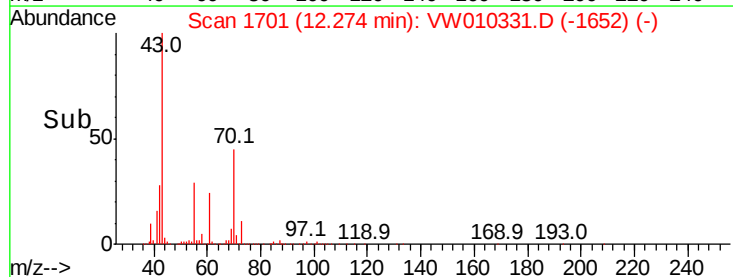
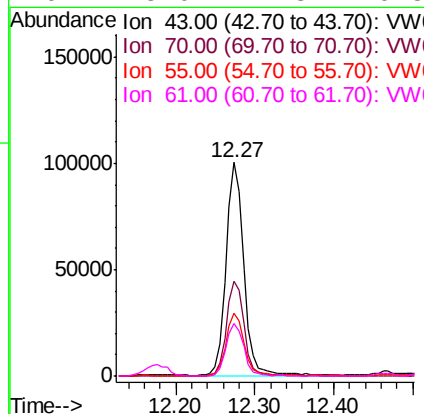
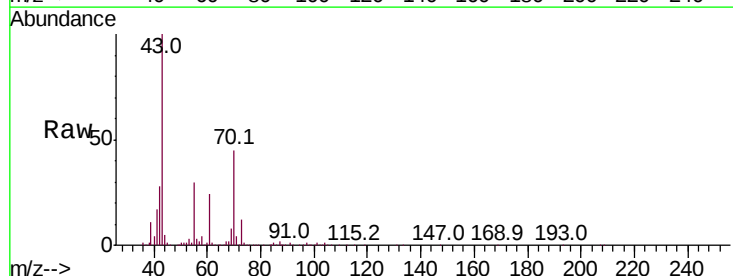
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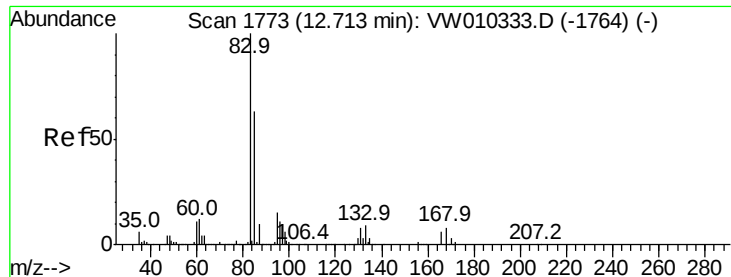
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#74
N-ethyl acetate
Concen: 8.498 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.1	31.3	46.9
55	29.6	20.0	30.0
61	25.0	17.8	26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 11.775 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 154696
Ion Ratio Lower Upper

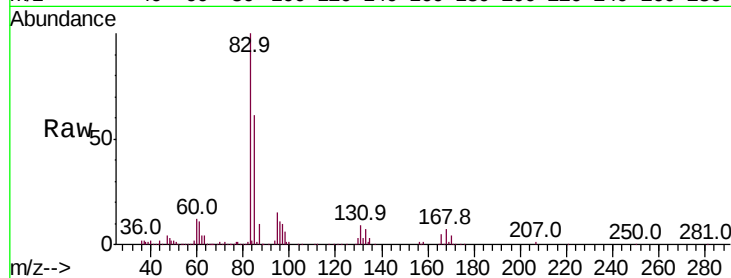
83 100

131 9.4 5.3 15.8

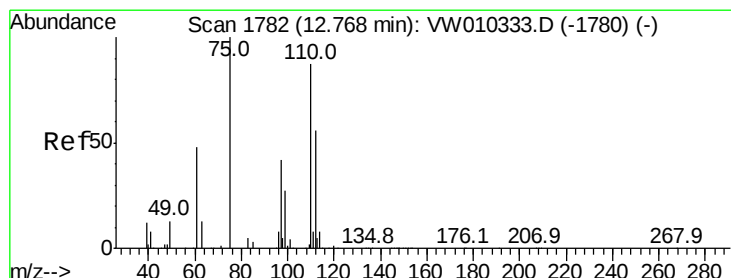
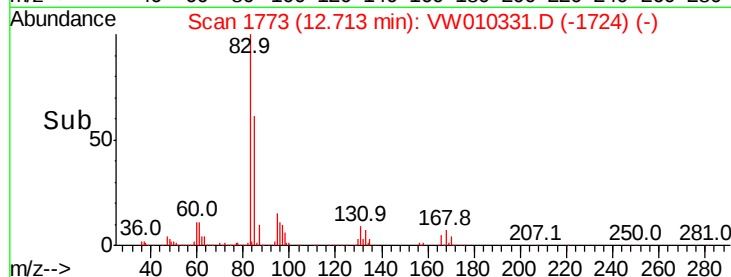
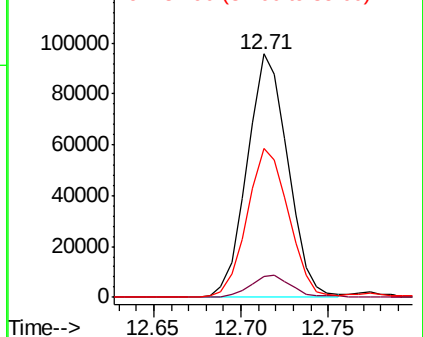
85 62.4 32.0 96.2

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 11.423 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

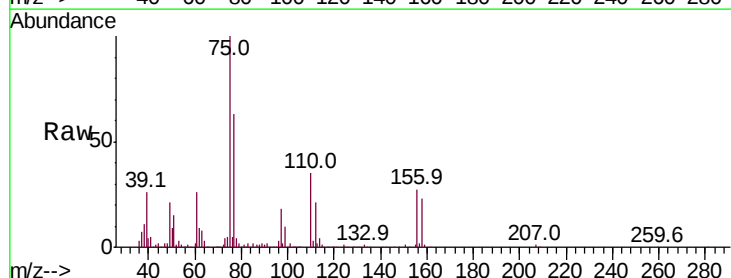
Lab File: VW010331.D

Acq: 09 May 2019 11:38

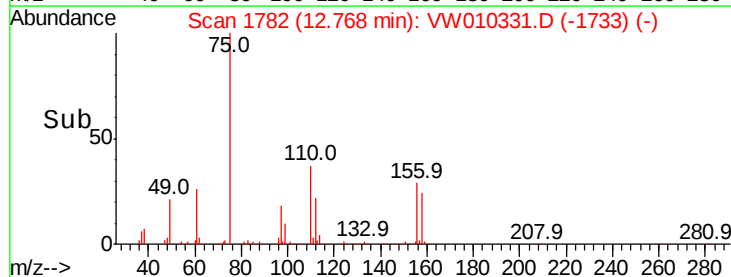
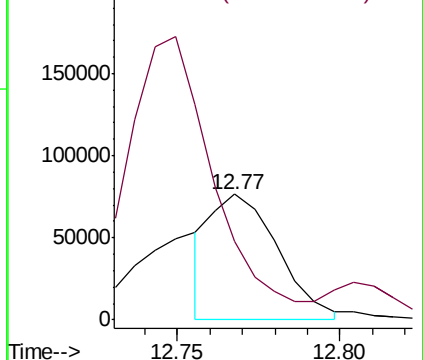
Tgt Ion: 75 Resp: 109234
Ion Ratio Lower Upper

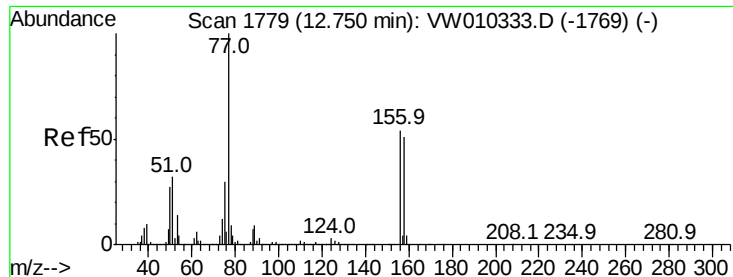
75 100

77 290.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.999 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 152926

Ion Ratio Lower Upper

156 100

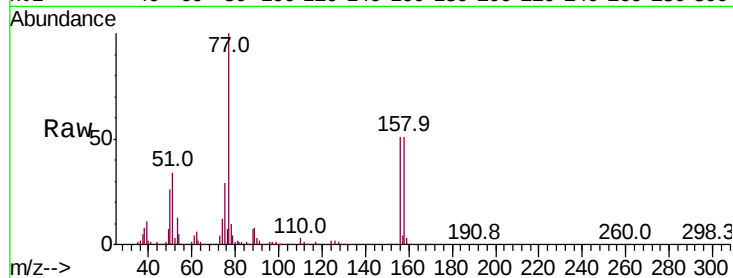
77 207.8 102.5 307.4

158 97.4 48.8 146.4

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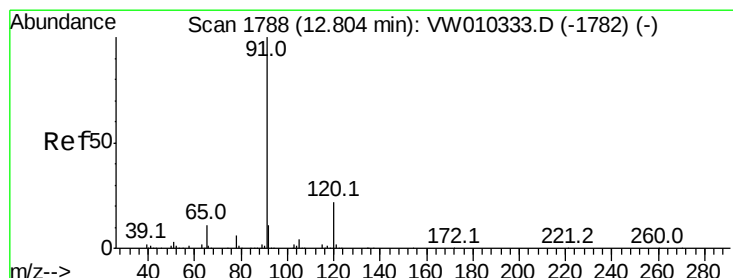
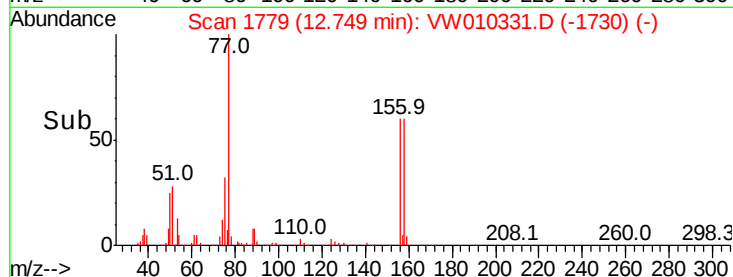
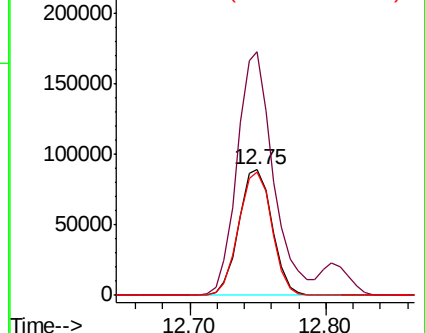
5/10/2019 10:07:16 AM



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: 10.028 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010331.D

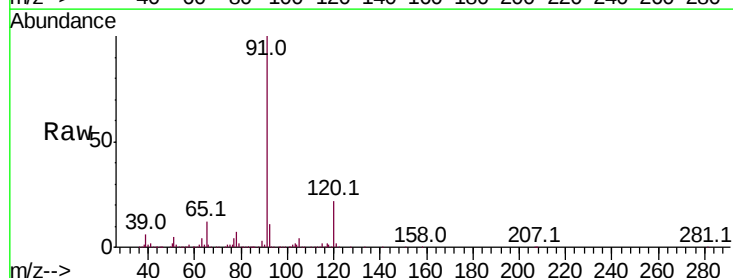
Acq: 09 May 2019 11:38

Tgt Ion: 91 Resp: 826516

Ion Ratio Lower Upper

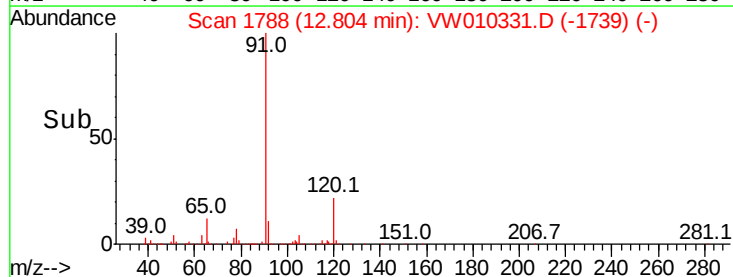
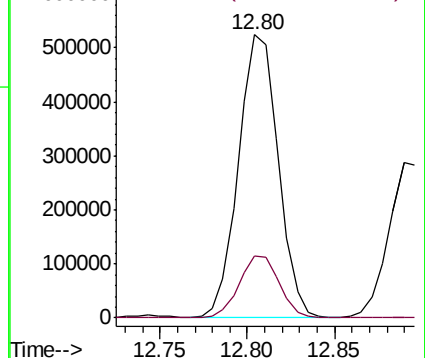
91 100

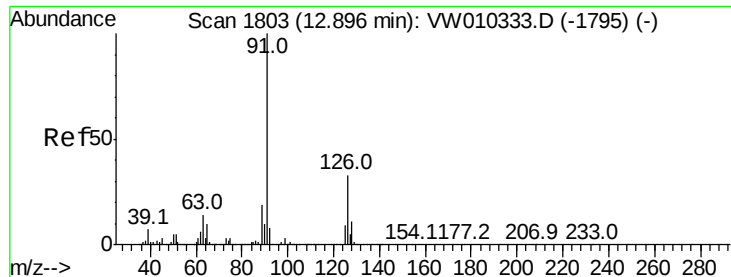
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.033 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 475588

Ion Ratio Lower Upper

91 100

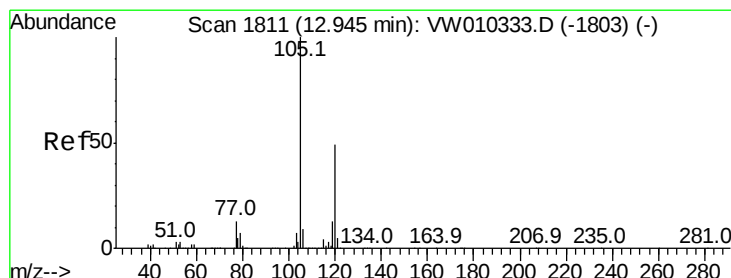
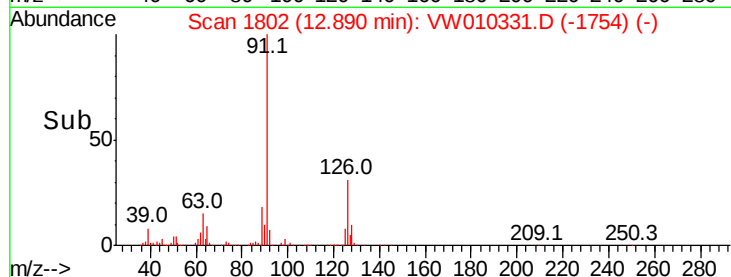
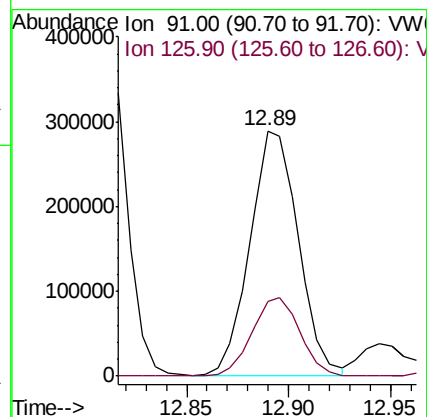
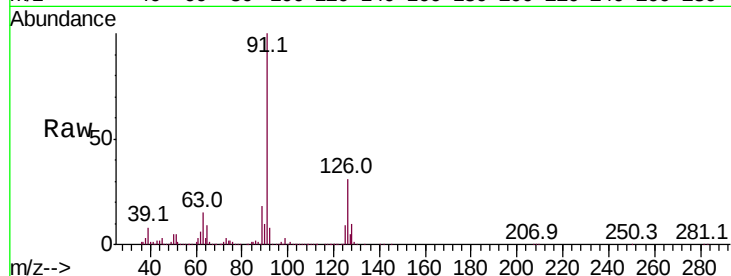
126 31.9 16.3 48.8

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#80

1,3,5-Trimethylbenzene

Concen: 9.978 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010331.D

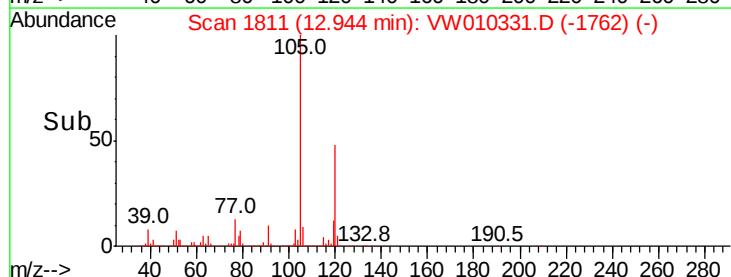
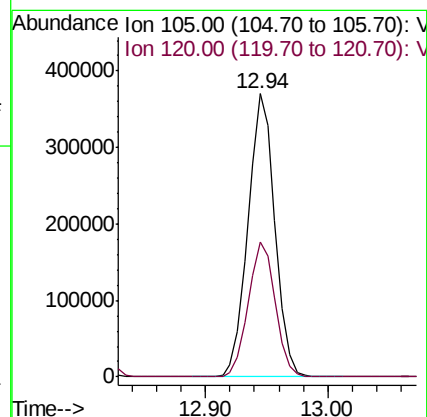
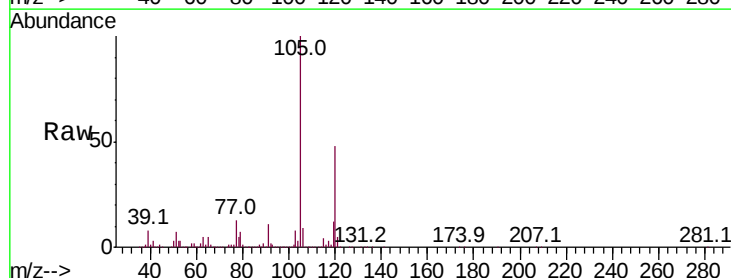
Acq: 09 May 2019 11:38

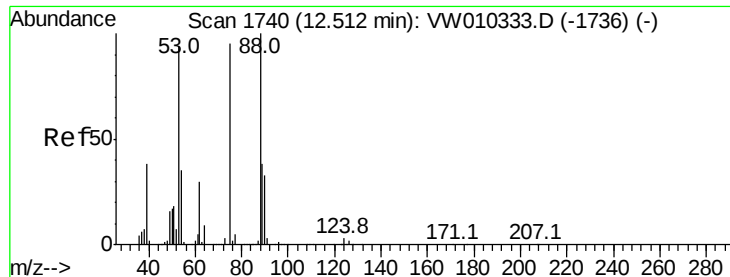
Tgt Ion:105 Resp: 562600

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 10.788 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

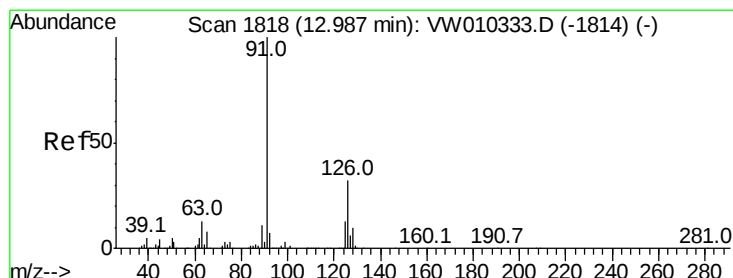
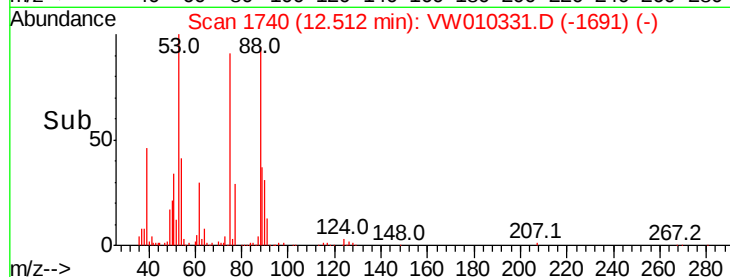
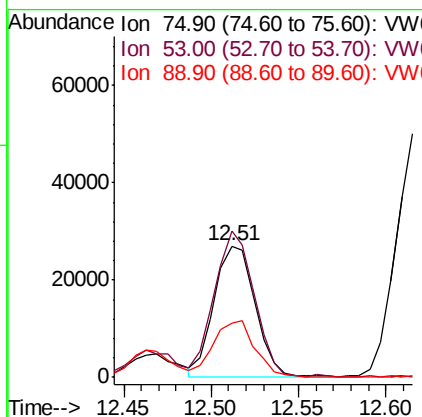
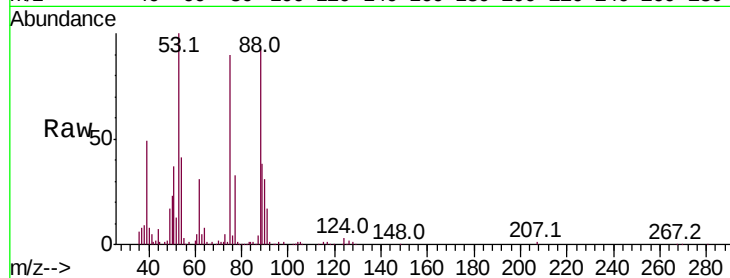
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	43751
Ion	Ratio	Lower	Upper
75	100		
53	108.0	89.8	134.8
89	44.6	36.6	54.8

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#82

4-Chlorotoluene

Concen: 10.173 ug/l

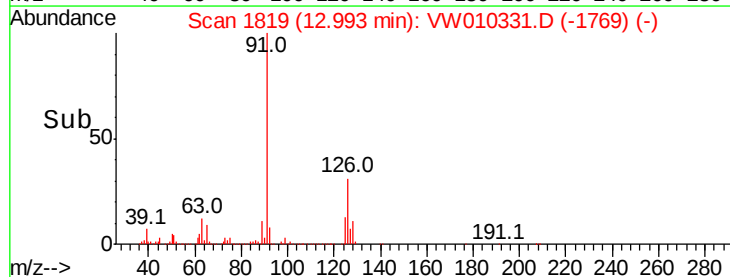
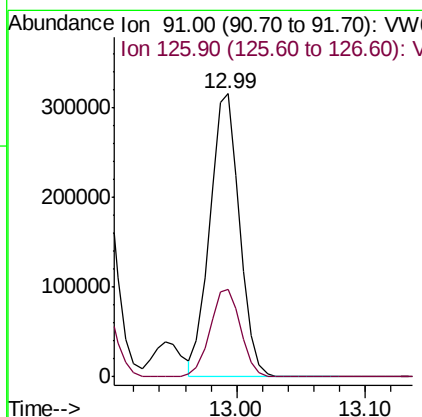
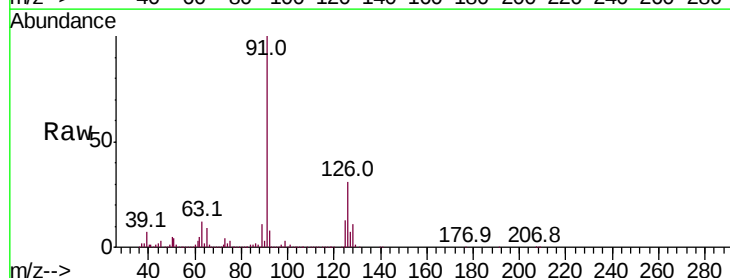
RT: 12.99 min Scan# 1819

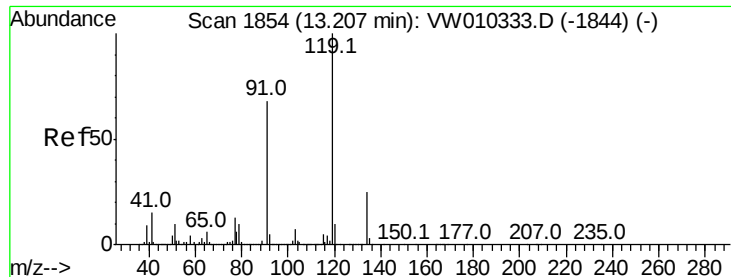
Delta R.T. 0.01 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	91	Resp:	507499
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.1





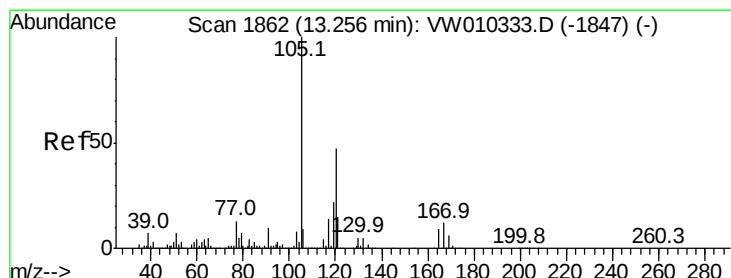
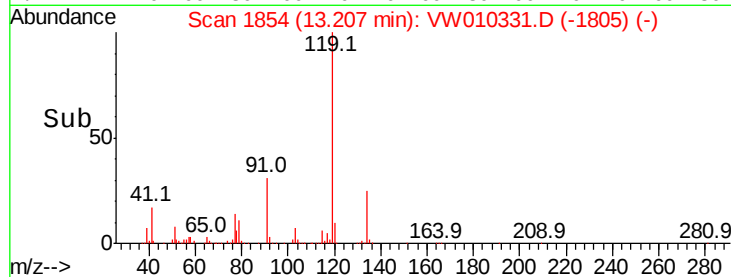
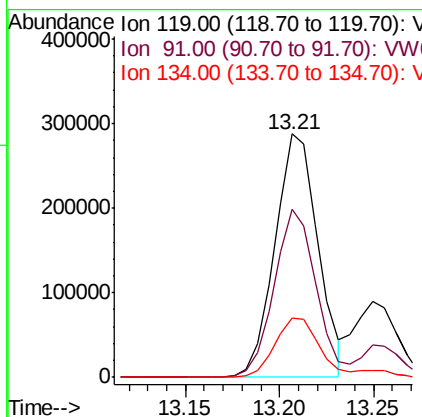
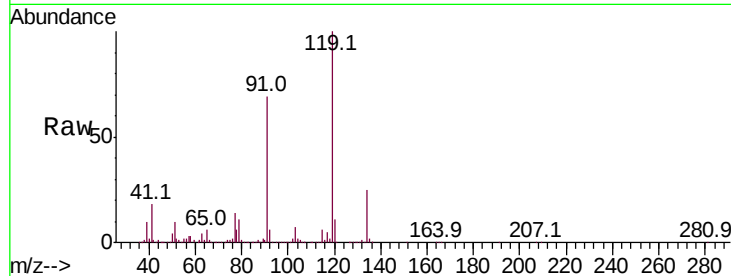
#83
 tert-Butylbenzene
 Concen: 9.756 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:119	Resp:	455551
Ion Ratio	Lower	Upper
119 100		
91 67.6	34.8	104.4
134 25.0	13.7	41.1

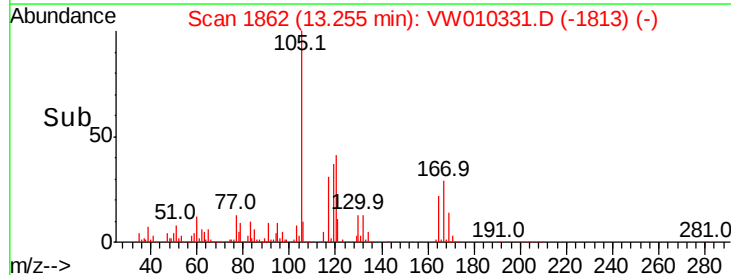
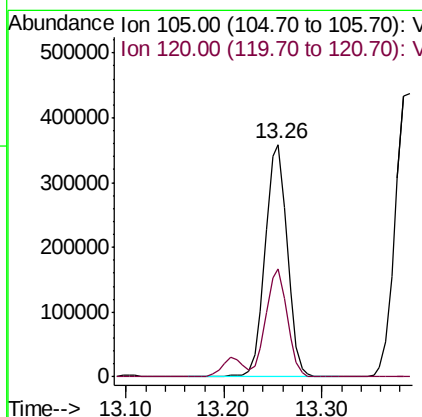
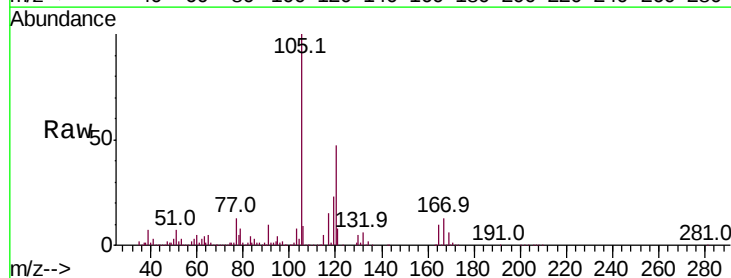
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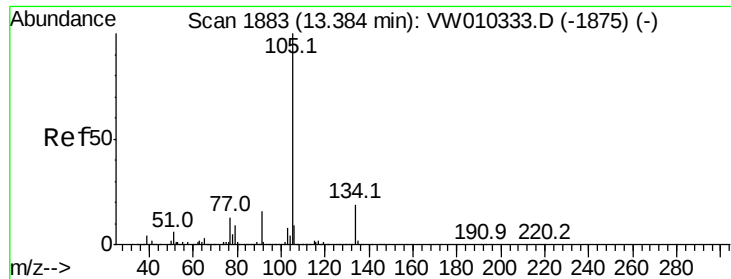
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.868 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion:105	Resp:	564112
Ion Ratio	Lower	Upper
105 100		
120 45.0	22.6	67.7





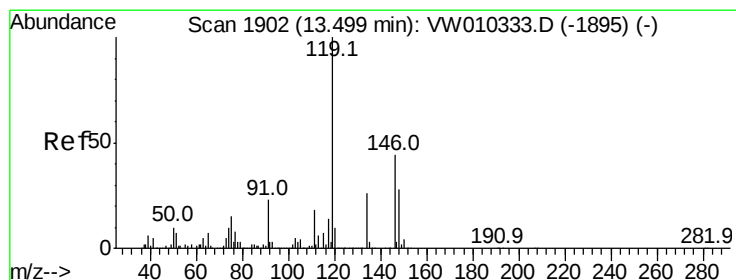
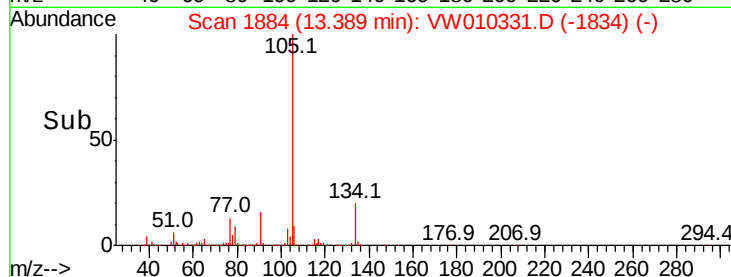
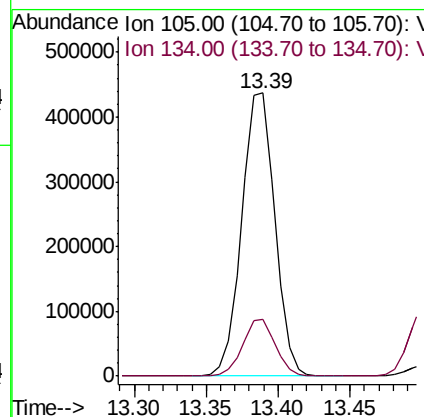
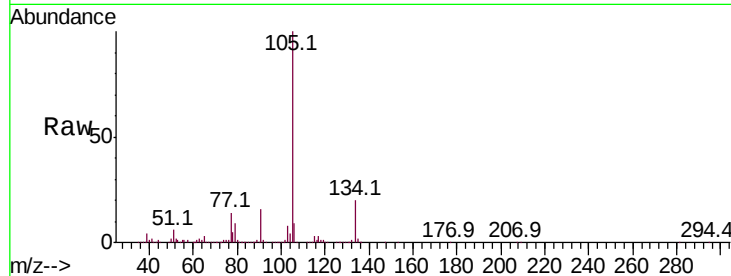
#85
 sec-Butylbenzene
 Concen: 9.972 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	695803		
134	19.8		9.8	29.5

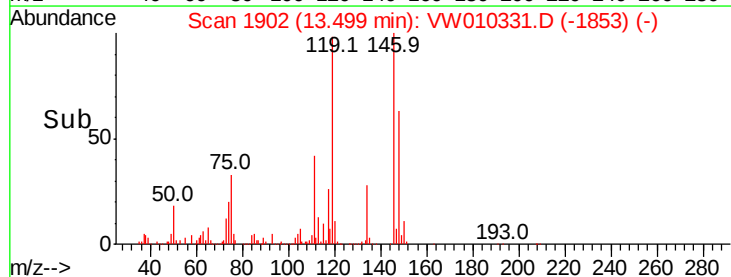
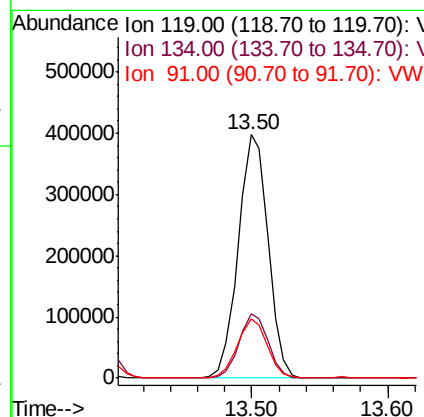
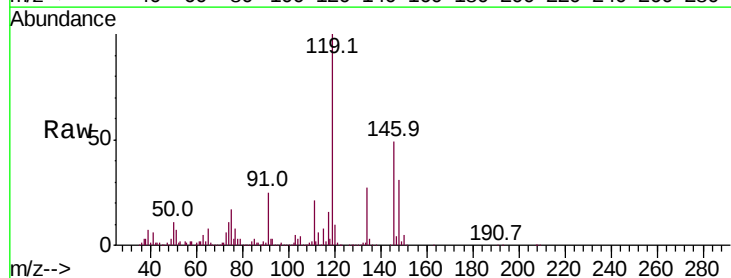
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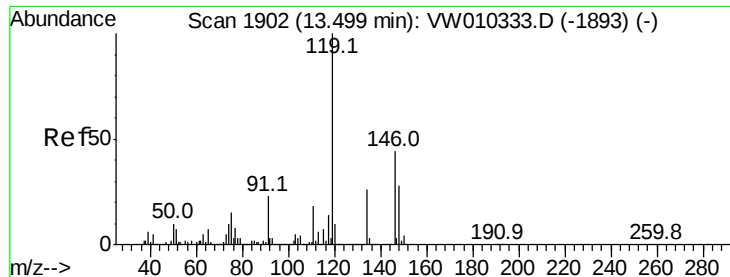
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#86
 p-Isopropyltoluene
 Concen: 9.825 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	604219		
134	25.9		13.0	38.9
91	24.3		12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 10.112 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010331.D

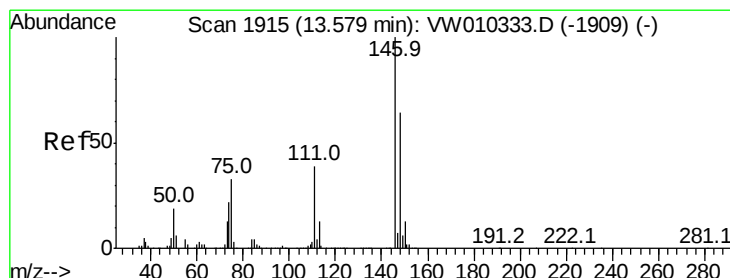
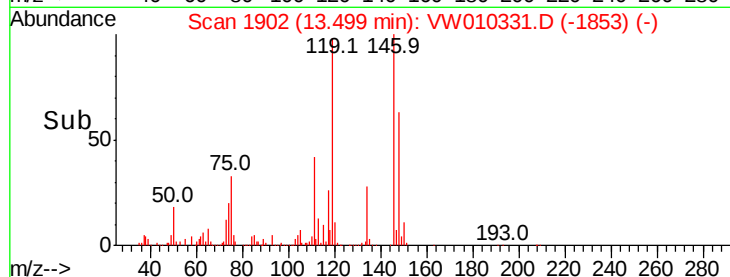
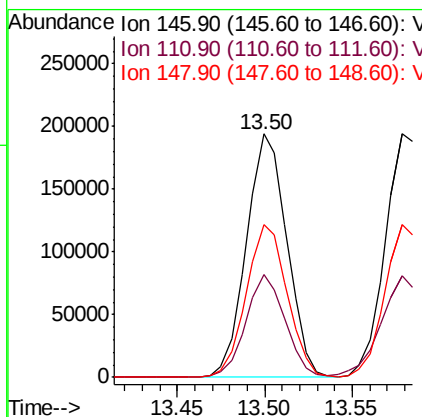
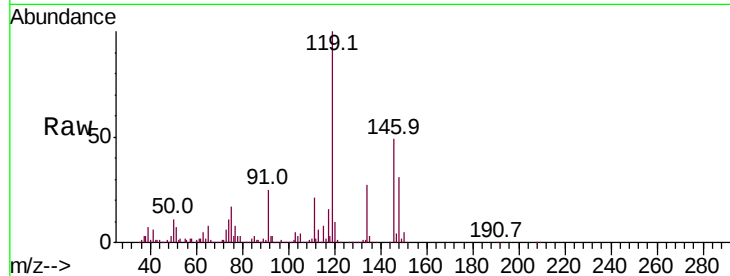
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
146	100	312622		
111	40.8	20.3	61.0	
148	63.4	32.0	96.2	

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#88

1,4-Dichlorobenzene

Concen: 10.080 ug/l

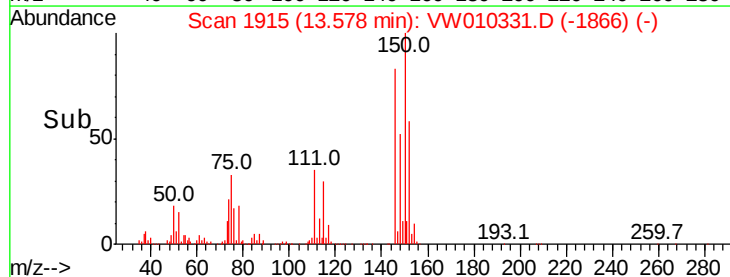
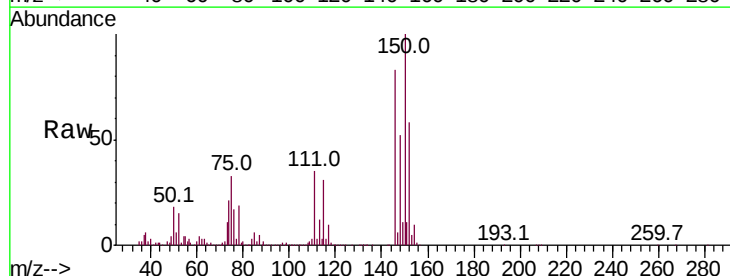
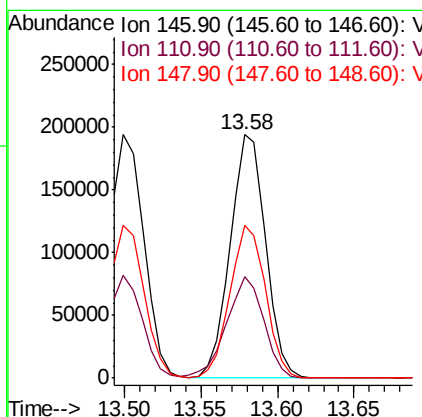
RT: 13.58 min Scan# 1915

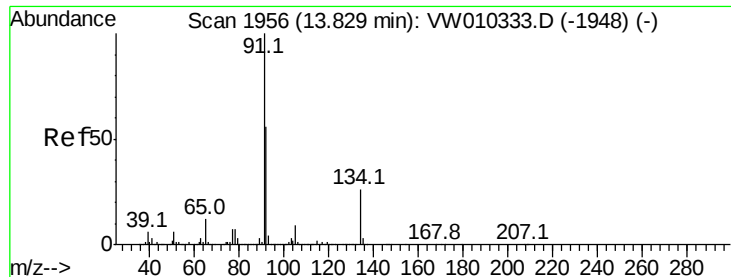
Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	311073		
111	44.0	20.1	60.3	
148	63.4	31.8	95.3	





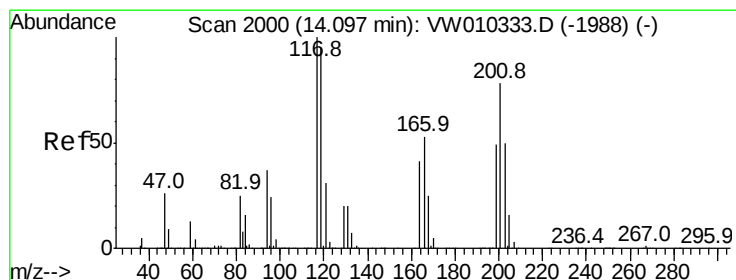
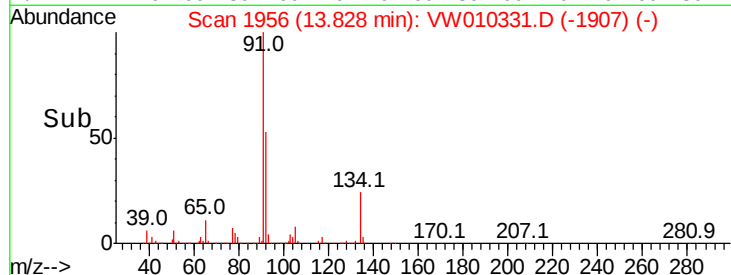
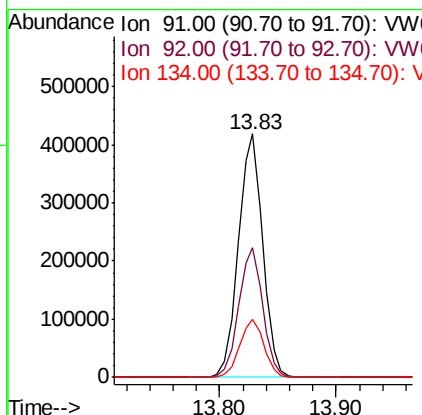
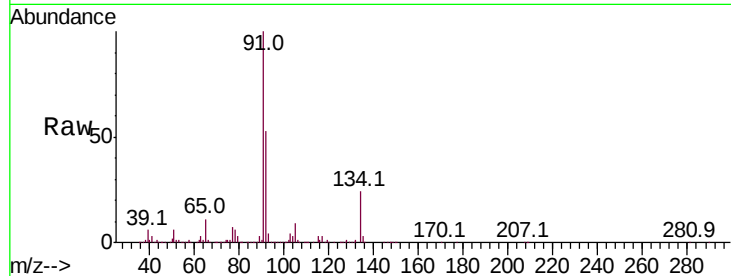
#89
n-Butylbenzene
Concen: 9.964 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.4
134	23.9	12.4	37.0

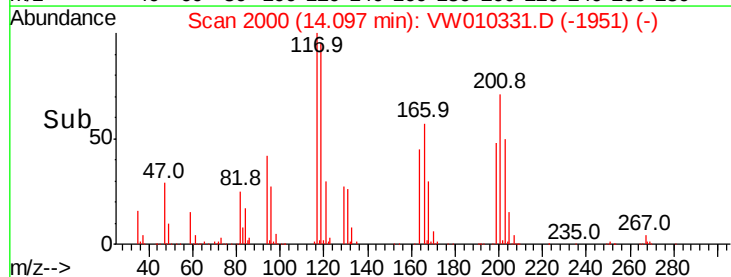
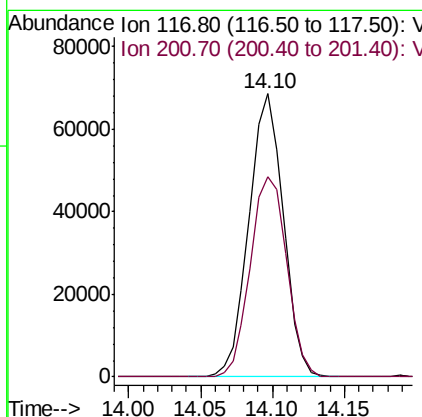
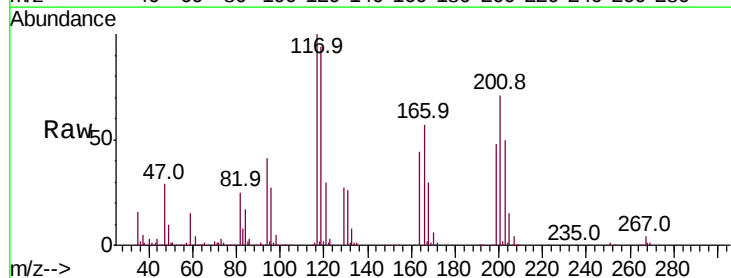
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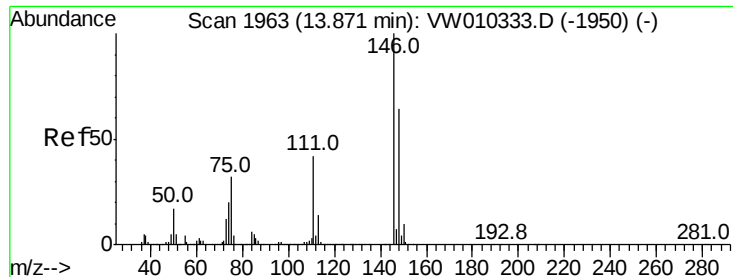
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#90
Hexachloroethane
Concen: 9.576 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	36.1	108.3





#91

1,2-Dichlorobenzene

Concen: 10.089 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Instrument :

MSVOA_W

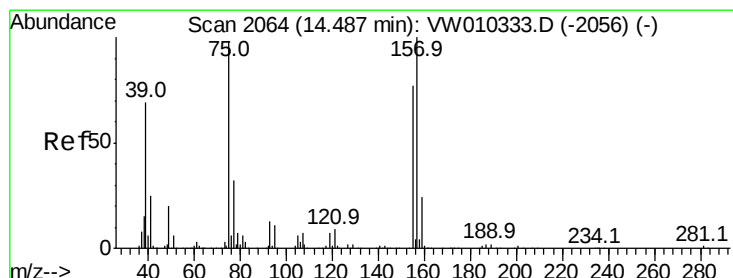
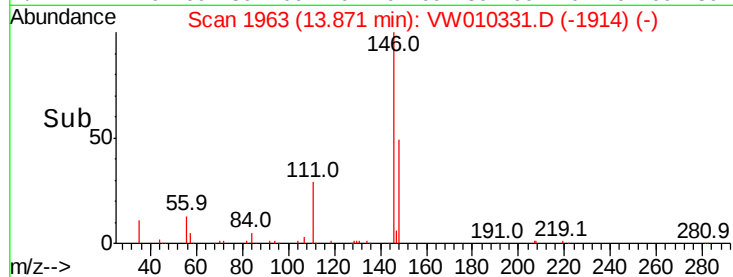
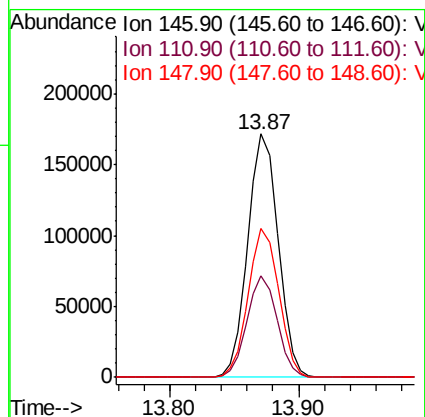
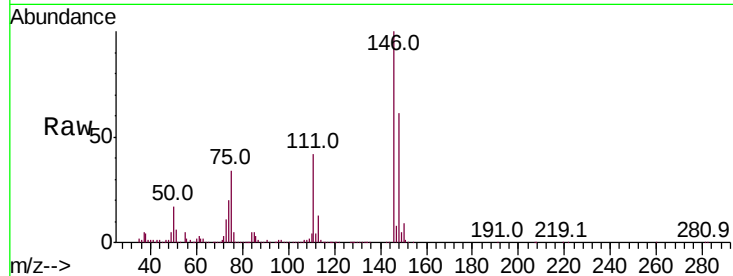
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	279660
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.9	62.8
148	61.6	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 10.971 ug/l

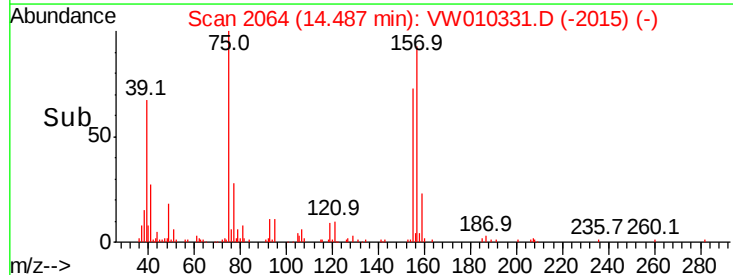
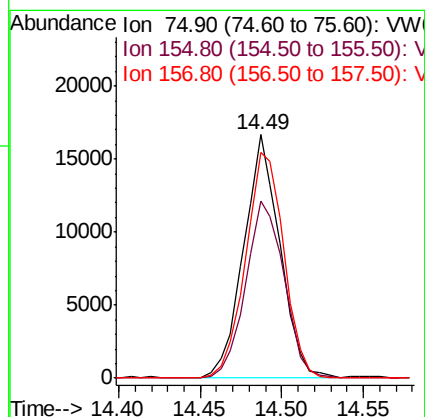
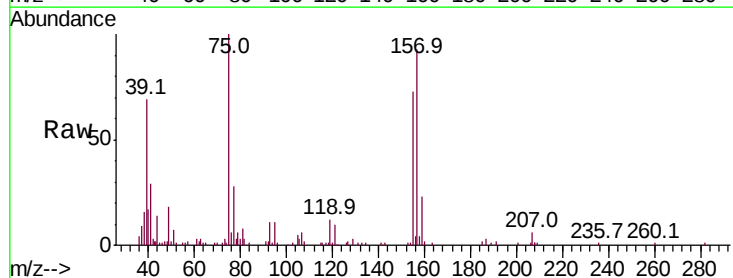
RT: 14.49 min Scan# 2064

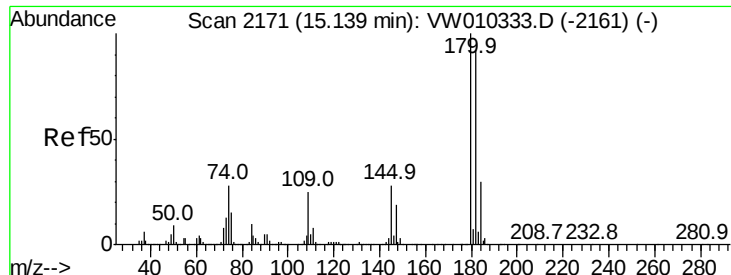
Delta R.T. -0.00 min

Lab File: VW010331.D

Acq: 09 May 2019 11:38

Tgt Ion:	75	Resp:	25795
Ion Ratio	Lower	Upper	
75	100		
155	76.9	37.1	111.5
157	97.5	47.3	141.9





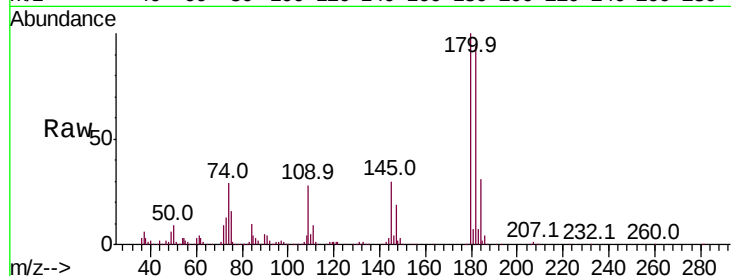
#93
 1,2,4-Trichlorobenzene
 Concen: 9.552 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

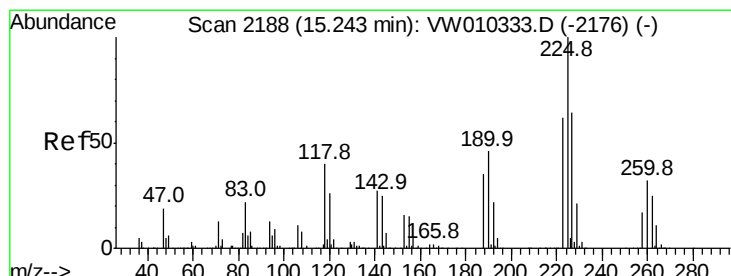
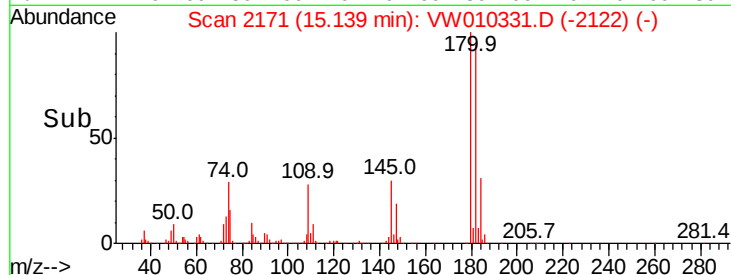
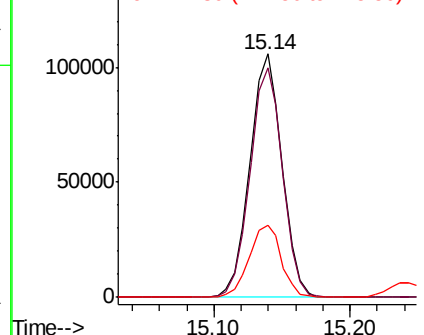
Tot Ion	Ratio	Resp	Lower	Upper
180	100	174690		
182	95.0	47.1	141.4	
145	29.8	15.2	45.6	

Manual Integrations
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MMDadoda
 5/10/2019 10:07:16 AM

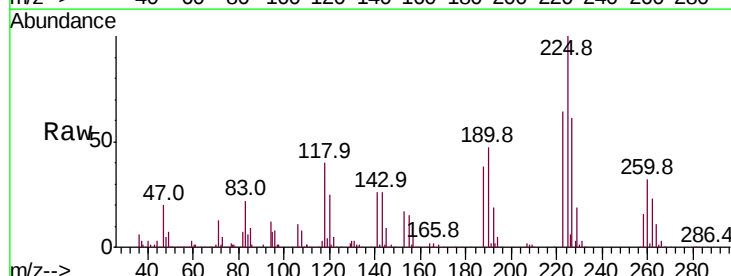


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

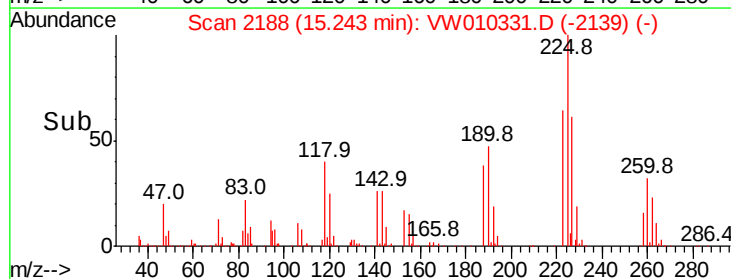
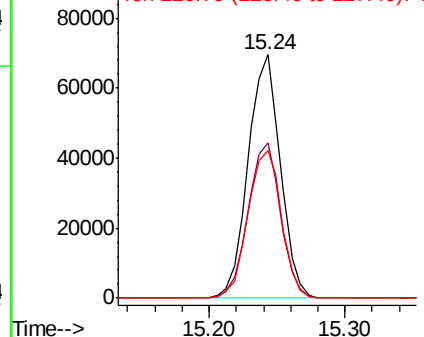


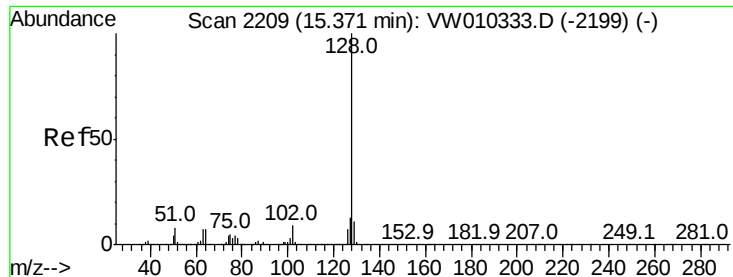
#94
 Hexachlorobutadiene
 Concen: 10.410 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010331.D
 Acq: 09 May 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115608		
223	64.0	31.9	95.5	
227	63.0	31.8	95.3	



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





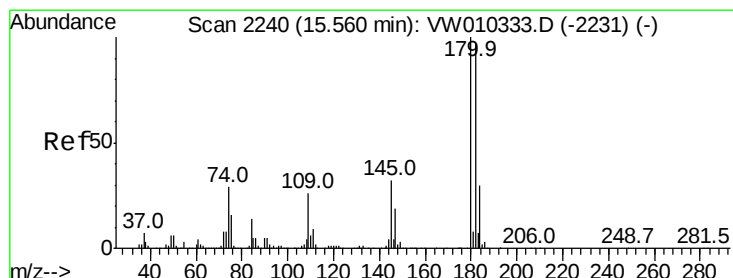
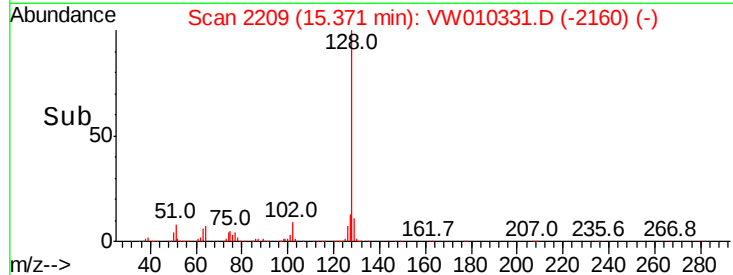
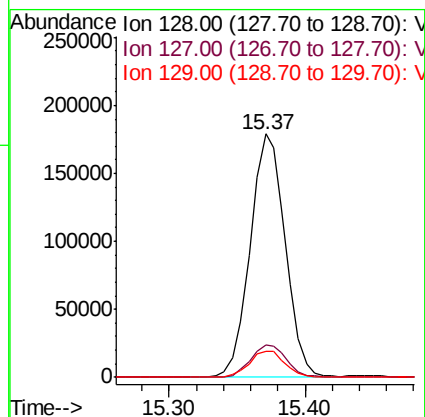
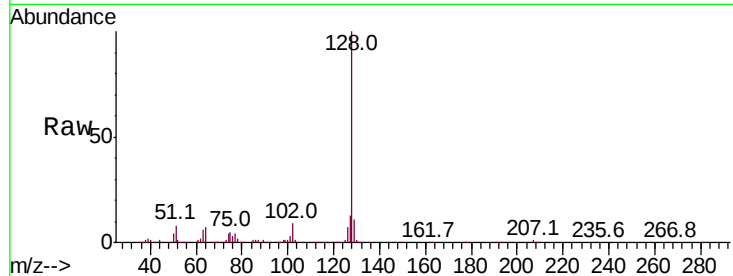
#95
Naphthalene
Concen: 9.835 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	128	Resp:	322917
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 9.881 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010331.D
Acq: 09 May 2019 11:38

Tgt Ion:	180	Resp:	156770
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.8	143.3
145	32.8	16.4	49.2

