

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009234.D
 Acq On : 19 Mar 2019 11:24
 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
 3/22/2019 3:52:57 AM

Quant Time: Mar 20 07:11:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	306296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	462599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	419483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227185	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	32337	9.93	ug/l	0.00
Spiked Amount			Recovery	=	19.86%	
35) Dibromofluoromethane	7.88	113	29250	9.97	ug/l	0.00
Spiked Amount			Recovery	=	19.94%	
50) Toluene-d8	10.32	98	104437	9.79	ug/l	0.00
Spiked Amount			Recovery	=	19.58%	
62) 4-Bromofluorobenzene	12.62	95	38291	9.78	ug/l	0.00
Spiked Amount			Recovery	=	19.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	24766	11.525	ug/l	90
3) Chloromethane	2.21	50	22154	9.978	ug/l	100
4) Vinyl Chloride	2.37	62	35855	11.003	ug/l	99
5) Bromomethane	2.78	94	27148	10.215	ug/l	99
6) Chloroethane	2.93	64	25309	10.010	ug/l	89
7) Trichlorofluoromethane	3.26	101	20532	9.618	ug/l	90
8) Diethyl Ether	3.67	74	16500	10.717	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.05	101	34063	11.015	ug/l	98
10) Methyl Iodide	4.28	142	47605	10.679	ug/l	97
11) Tert butyl alcohol	5.17	59	9752	51.584	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	31797	10.877	ug/l	90
13) Acrolein	3.89	56	7418	48.048	ug/l	94
14) Allyl chloride	4.65	41	43253	10.037	ug/l	94
15) Acrylonitrile	5.37	53	32991	50.988	ug/l	99
16) Acetone	4.12	43	35709	53.422	ug/l	97
17) Carbon Disulfide	4.38	76	88437	10.852	ug/l	96
18) Methyl Acetate	4.67	43	16017	9.337	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	35586	9.919	ug/l	97
20) Methylene Chloride	4.92	84	34093	10.924	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	30901	10.275	ug/l	94
22) Diisopropyl ether	6.31	45	92052	9.908	ug/l	98
23) Vinyl Acetate	6.26	43	277028	47.524	ug/l	98
24) 1,1-Dichloroethane	6.21	63	59253	10.334	ug/l	96
25) 2-Butanone	7.17	43	46444	48.491	ug/l	96
26) 2,2-Dichloropropane	7.17	77	34811	10.866	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	32636	10.017	ug/l	96
28) Bromochloromethane	7.51	49	24739	9.837	ug/l #	100
29) Tetrahydrofuran	7.52	42	28851	47.391	ug/l	98
30) Chloroform	7.67	83	62486	10.474	ug/l	99
31) Cyclohexane	7.95	56	57551	10.766	ug/l #	89
32) 1,1,1-Trichloroethane	7.87	97	49447	10.384	ug/l	99
36) 1,1-Dichloropropene	8.08	75	48168	10.464	ug/l	100
37) Ethyl Acetate	7.25	43	20906	9.953	ug/l	97
38) Carbon Tetrachloride	8.06	117	50804	10.429	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	52661	9.888	ug/l	93
40) Benzene	8.32	78	129640	10.385	ug/l	98
41) Methacrylonitrile	7.48	41	10143	8.959	ug/l	89
42) 1,2-Dichloroethane	8.40	62	41714	10.222	ug/l	98
43) Isopropyl Acetate	8.43	43	40970	9.740	ug/l	99
44) Trichloroethene	9.09	130	35511	10.384	ug/l	92
45) 1,2-Dichloropropane	9.37	63	32524	10.249	ug/l	98
46) Dibromomethane	9.45	93	18026	10.330	ug/l	99
47) Bromodichloromethane	9.65	83	44108	10.003	ug/l	97
48) Methyl methacrylate	9.43	41	17910	9.197	ug/l	95
49) 1,4-Dioxane	9.44	88	5069	187.280	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	103246	47.099	ug/l	99
52) Toluene	10.38	92	79195	10.012	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	41713	9.700	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	47439	9.806	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	22979	9.725	ug/l #	87
56) Ethyl methacrylate	10.65	69	25587	9.094	ug/l	99
57) 1,3-Dichloropropane	10.93	76	40052	9.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	61658	74.895	ug/l	99
59) 2-Hexanone	10.97	43	68499	46.028	ug/l	96
60) Dibromochloromethane	11.13	129	28645	9.812	ug/l	98
61) 1,2-Dibromoethane	11.23	107	22668	10.072	ug/l	97
64) Tetrachloroethene	10.86	164	29980	10.436	ug/l	93
65) Chlorobenzene	11.66	112	89846	10.356	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	33878	10.455	ug/l	97
67) Ethyl Benzene	11.73	91	147414	9.810	ug/l	99
68) m/p-Xylenes	11.84	106	119134	20.455	ug/l	96
69) o-Xylene	12.17	106	52084	9.630	ug/l	99
70) Styrene	12.18	104	87038	9.761	ug/l	99
71) Bromoform	12.35	173	17386	9.823	ug/l #	94
73) Isopropylbenzene	12.46	105	145849	9.605	ug/l	99
74) N-amyl acetate	12.27	43	36945	9.327	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	28970	10.199	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	23990m	10.444	ug/l	
77) Bromobenzene	12.75	156	37238	10.353	ug/l	95
78) n-propylbenzene	12.80	91	185115	9.926	ug/l	99
79) 2-Chlorotoluene	12.89	91	106681	10.070	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	127010	9.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	8270	9.505	ug/l	94
82) 4-Chlorotoluene	12.99	91	111853	10.022	ug/l	99
83) tert-Butylbenzene	13.21	119	107644	9.754	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	130990	9.895	ug/l	98
85) sec-Butylbenzene	13.38	105	161845	9.925	ug/l	99
86) p-Isopropyltoluene	13.50	119	141999	9.779	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	76530	10.282	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	76571	10.332	ug/l	97
89) n-Butylbenzene	13.83	91	133013	9.542	ug/l	99
90) Hexachloroethane	14.10	117	27607	9.643	ug/l	89
91) 1,2-Dichlorobenzene	13.87	146	67340	10.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5093	10.014	ug/l	97

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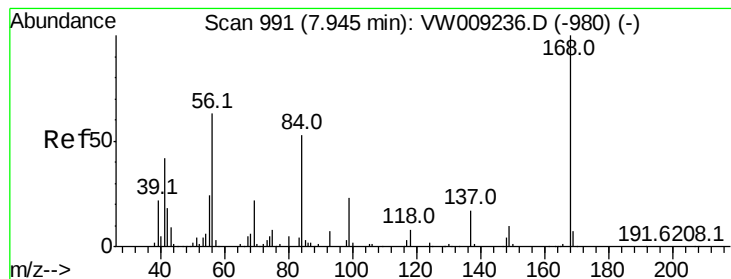
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	46083	10.281	ug/l	96
94) Hexachlorobutadiene	15.24	225	31050	10.891	ug/l	97
95) Naphthalene	15.37	128	73860	9.511	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	40755	10.186	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: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 306296

Ion Ratio Lower Upper

168 100

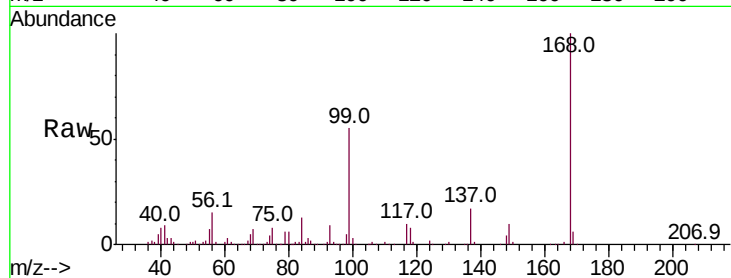
99 54.8 45.4 68.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

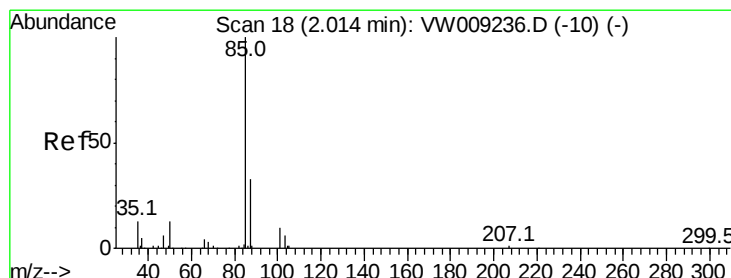
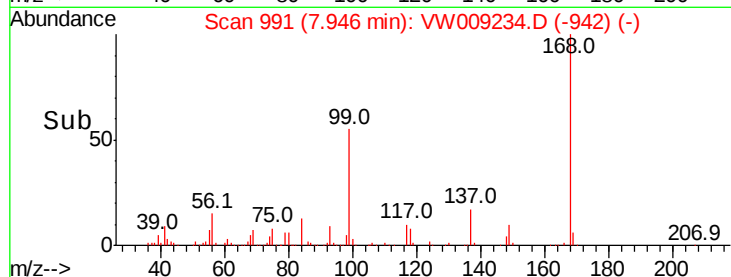
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 11.525 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009234.D

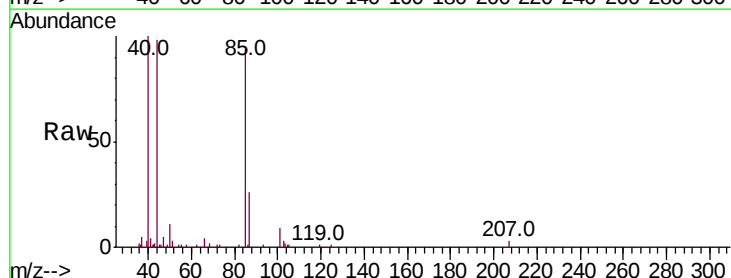
Acq: 19 Mar 2019 11:24

Tgt Ion: 85 Resp: 24766

Ion Ratio Lower Upper

85 100

87 27.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

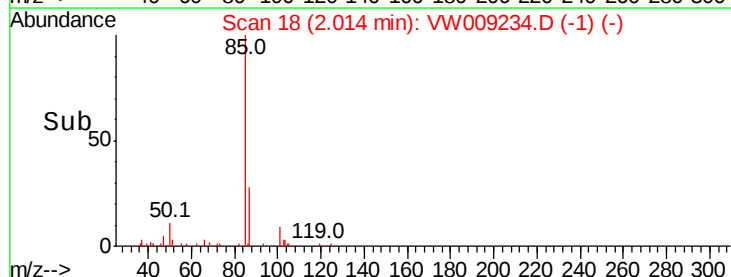
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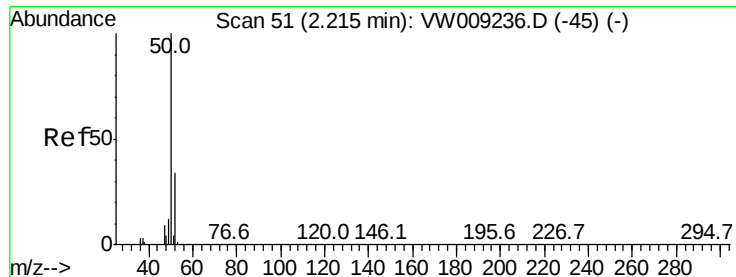
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 9.978 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 22154

Ion Ratio Lower Upper

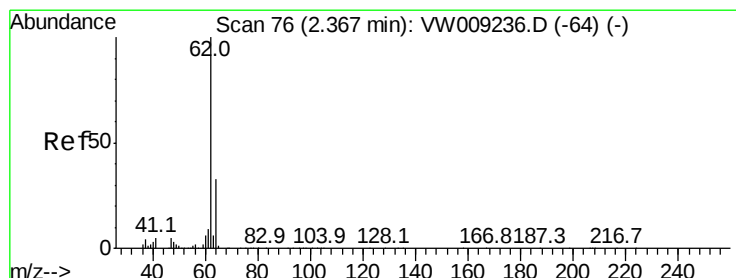
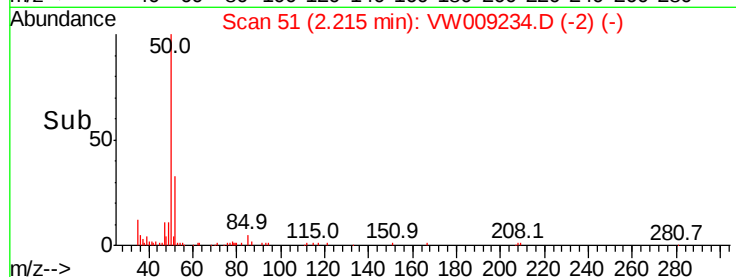
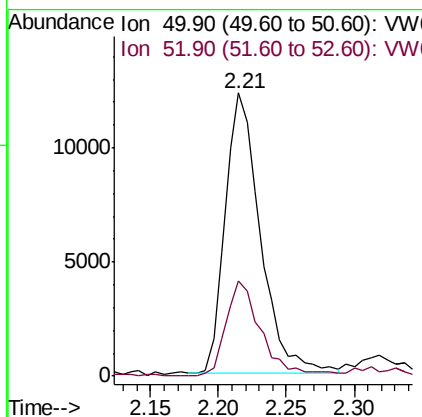
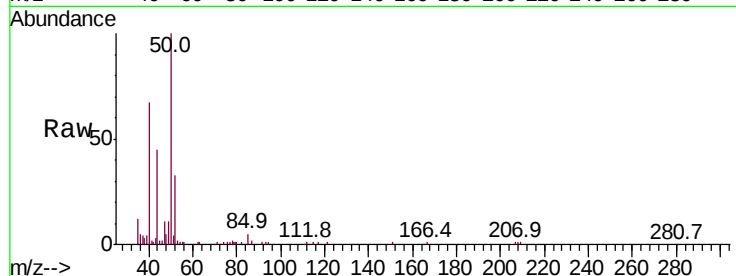
50 100

52 33.8 27.2 40.8

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#4

Vinyl Chloride

Concen: 11.003 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009234.D

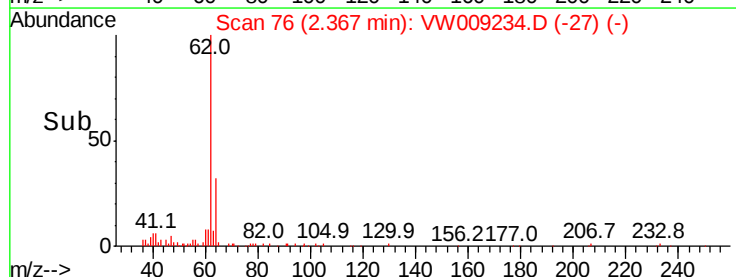
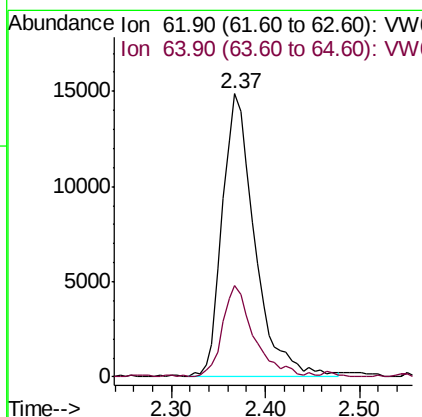
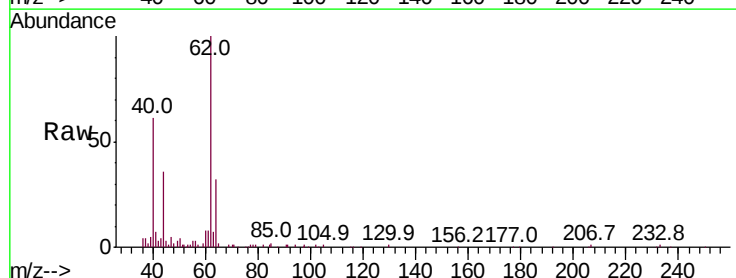
Acq: 19 Mar 2019 11:24

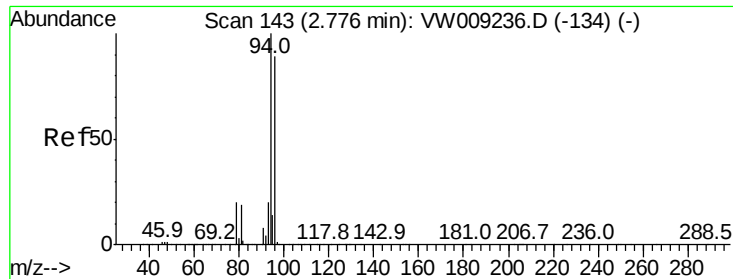
Tgt Ion: 62 Resp: 35855

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.2





#5

Bromomethane

Concen: 10.215 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 27148

Ion Ratio Lower Upper

94 100

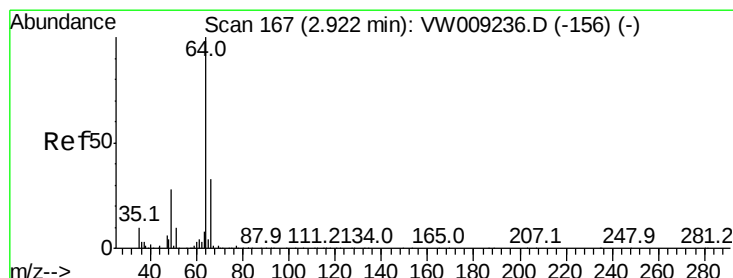
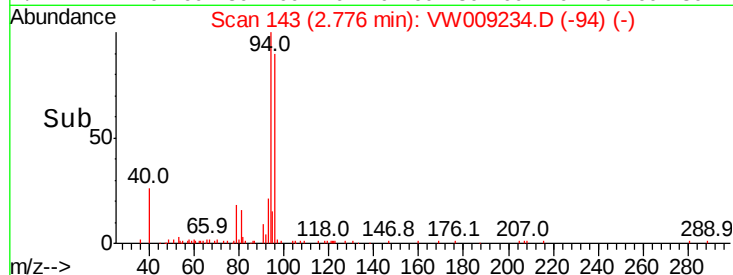
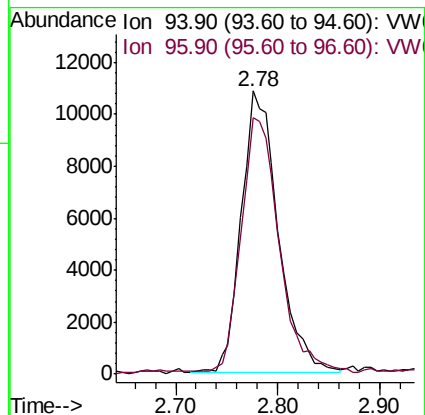
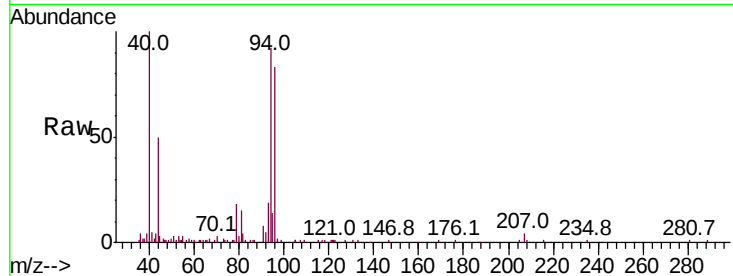
96 90.1 71.4 107.2

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#6

Chloroethane

Concen: 10.010 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009234.D

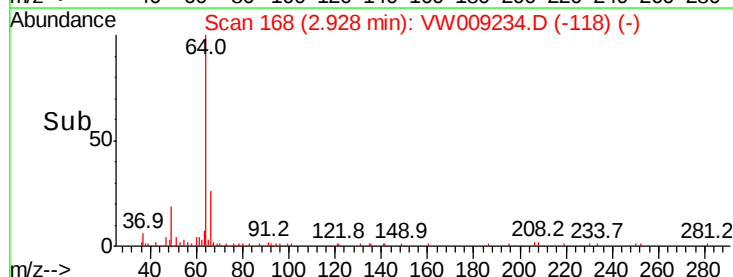
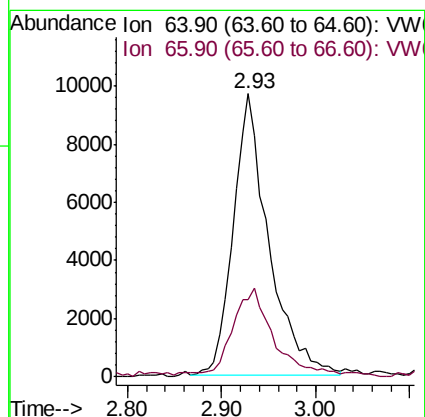
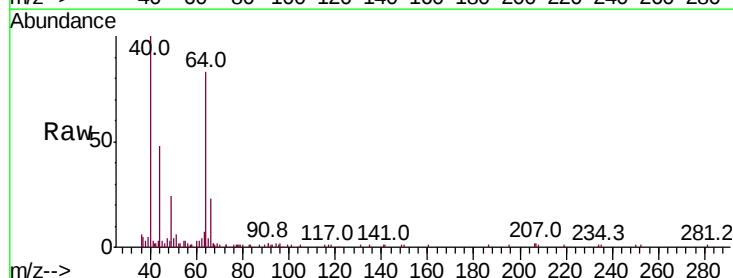
Acq: 19 Mar 2019 11:24

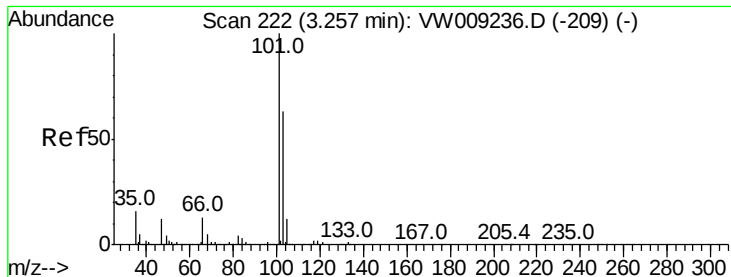
Tgt Ion: 64 Resp: 25309

Ion Ratio Lower Upper

64 100

66 26.4 26.2 39.2





#7

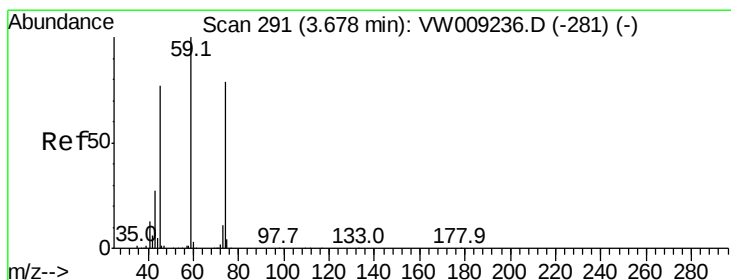
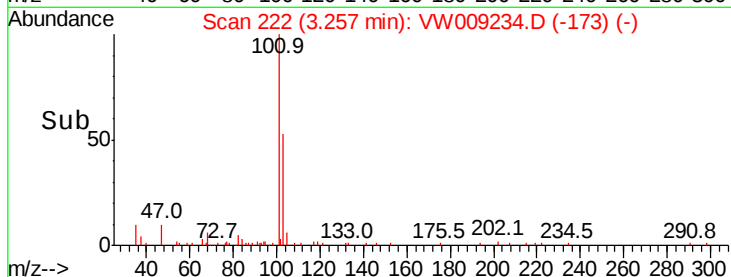
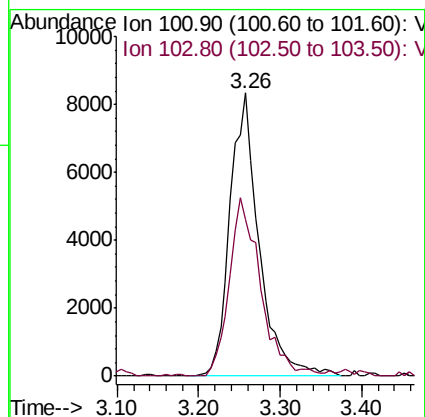
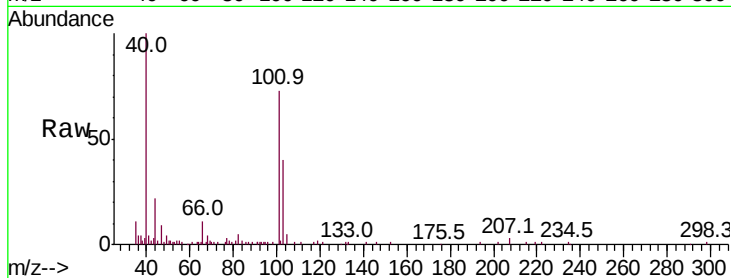
Trichlorofluoromethane
Concen: 9.618 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009234.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	55.2	50.5	75.7

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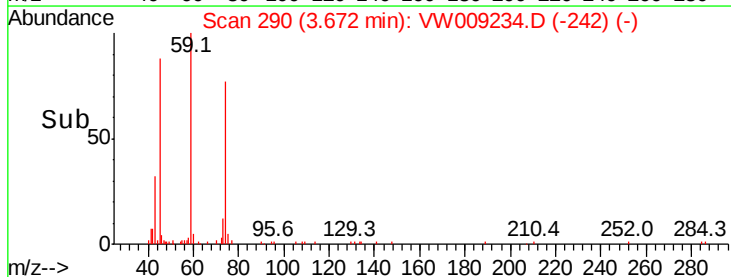
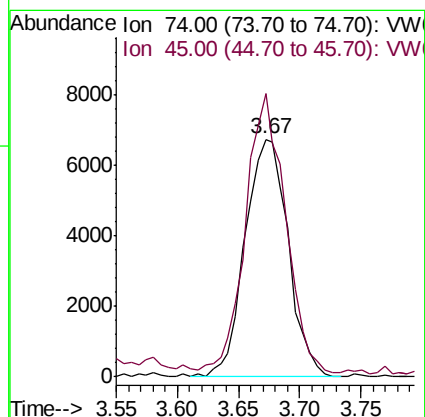
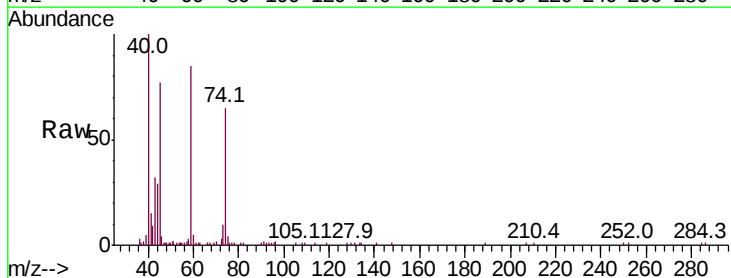
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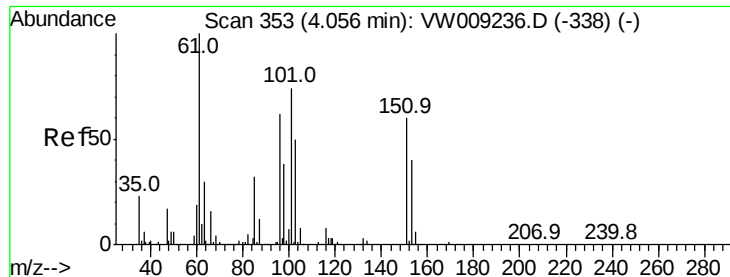


#8

Diethyl Ether
Concen: 10.717 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.9	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.015 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

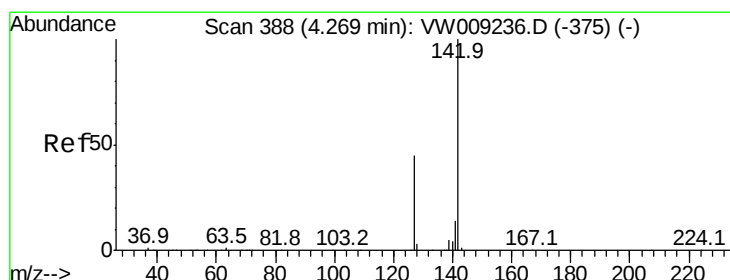
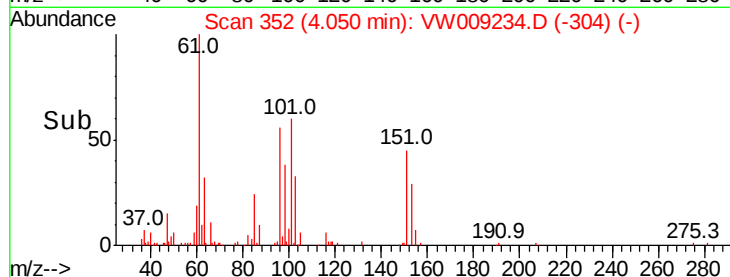
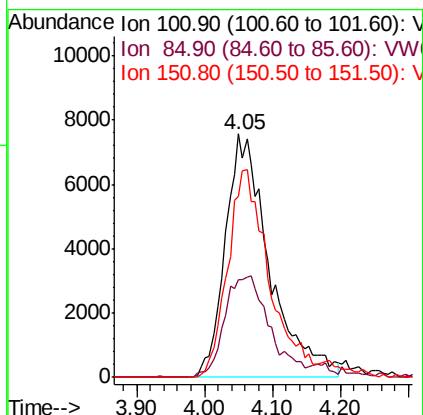
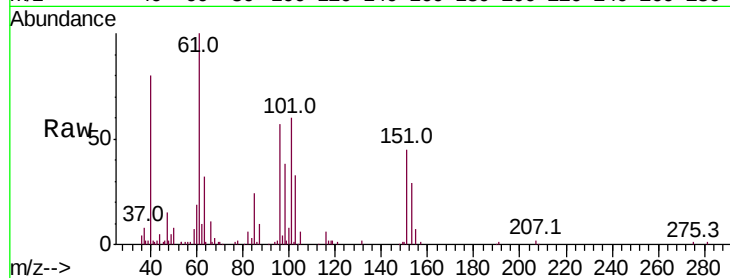
ClientSampleId :

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Tot Ion:	101	Resp:	34063
Ion Ratio	Lower	Upper	
101	100		
85	42.5	35.1	52.7
151	80.0	62.9	94.3

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#10

Methyl Iodide

Concen: 10.679 ug/l

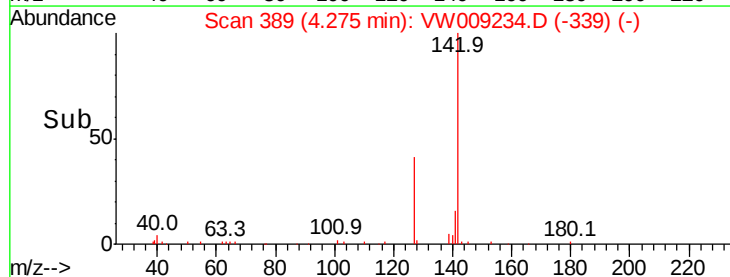
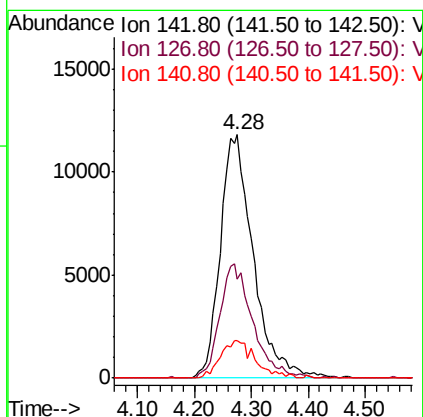
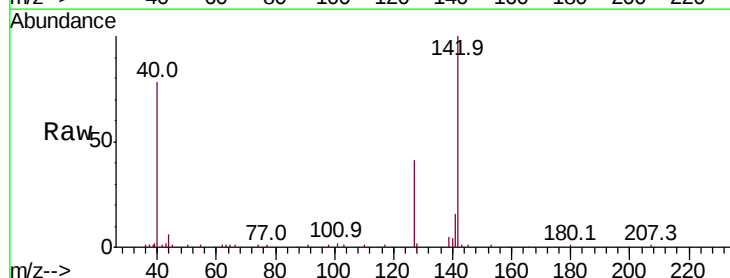
RT: 4.28 min Scan# 389

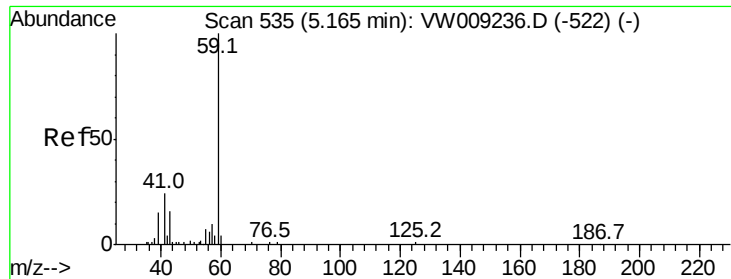
Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion:	142	Resp:	47605
Ion Ratio	Lower	Upper	
142	100		
127	46.6	35.9	53.9
141	16.1	11.4	17.2





#11

Tert butyl alcohol

Concen: 51.584 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

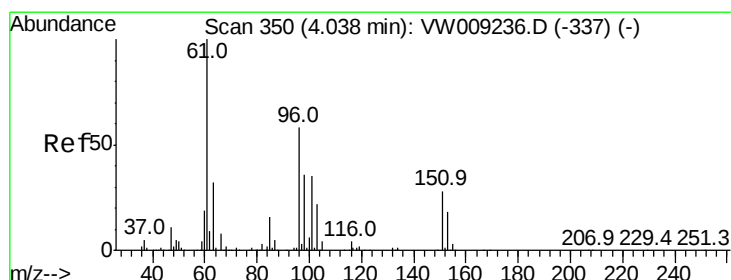
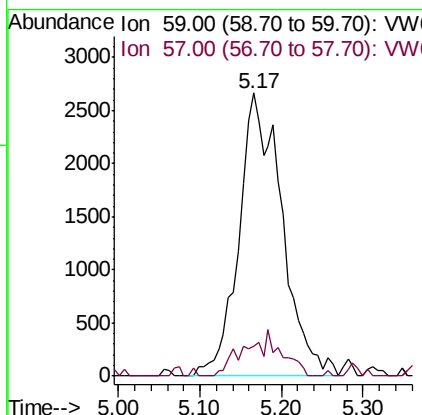
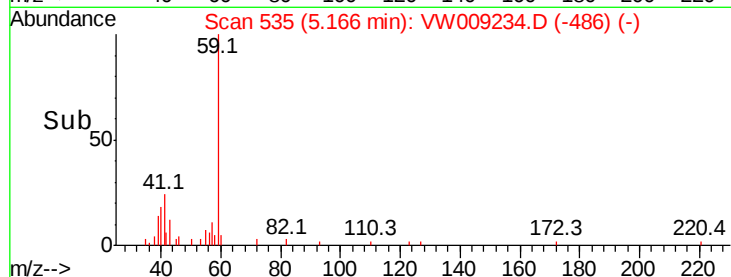
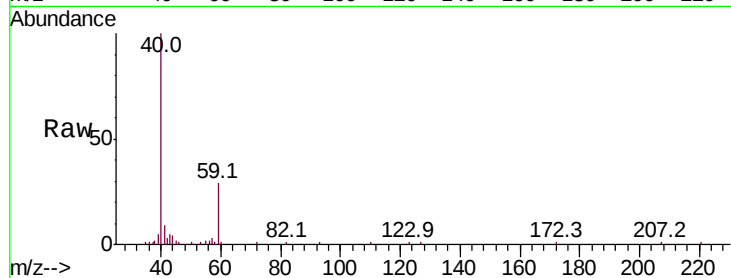
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 9752

Ion	Ratio	Lower	Upper
59	100		
57	7.5	9.4	14.0#

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#12

1,1-Dichloroethene

Concen: 10.877 ug/l

RT: 4.03 min Scan# 349

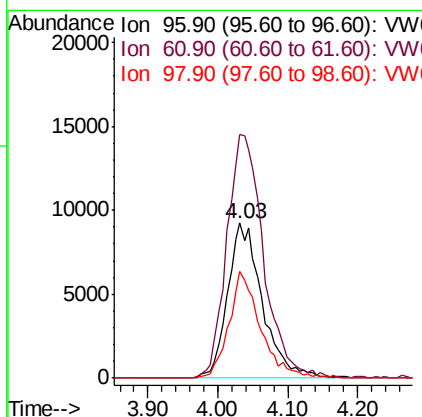
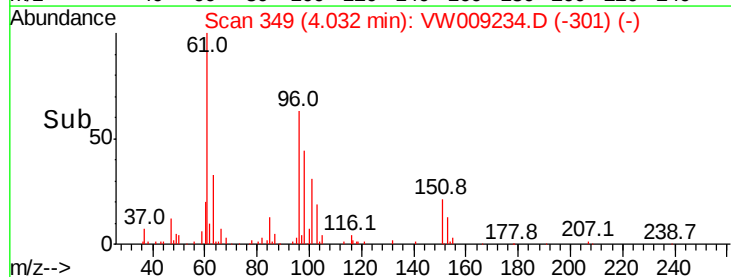
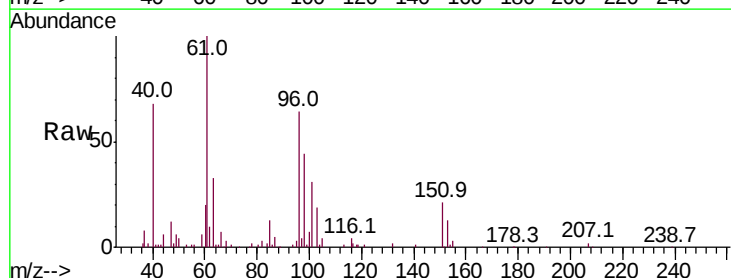
Delta R.T. -0.01 min

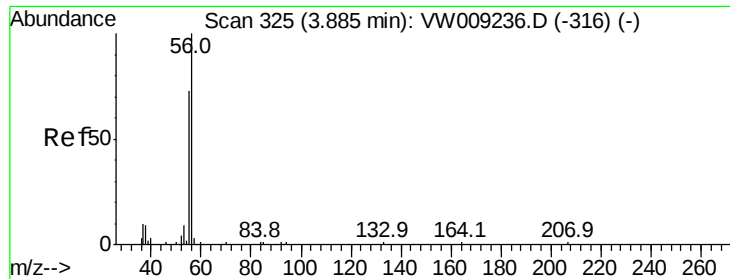
Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion: 96 Resp: 31797

Ion	Ratio	Lower	Upper
96	100		
61	157.4	138.0	207.0
98	69.3	49.8	74.8





#13

Acrolein

Concen: 48.048 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 7418

Ion Ratio Lower Upper

56 100

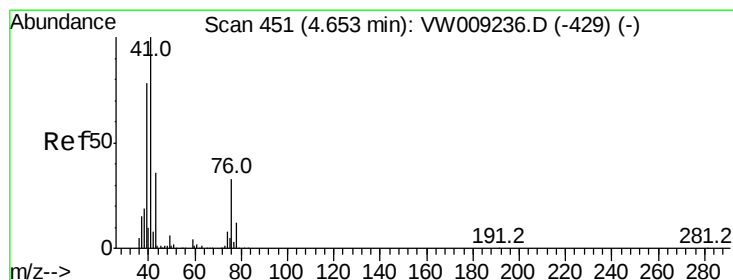
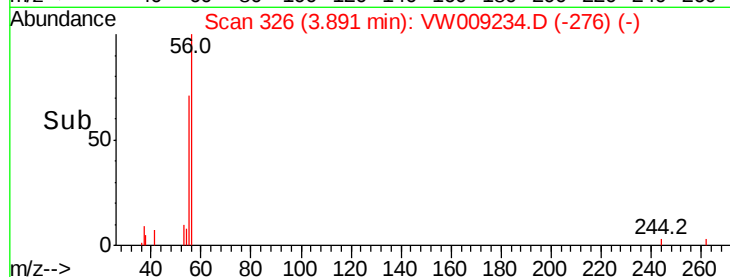
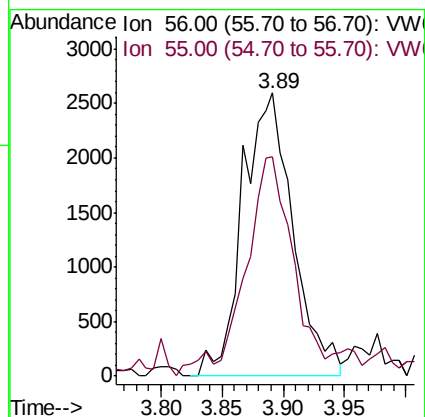
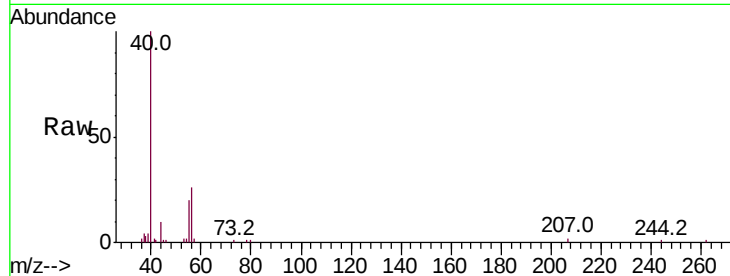
55 64.0 55.2 82.8

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#14

Allyl chloride

Concen: 10.037 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

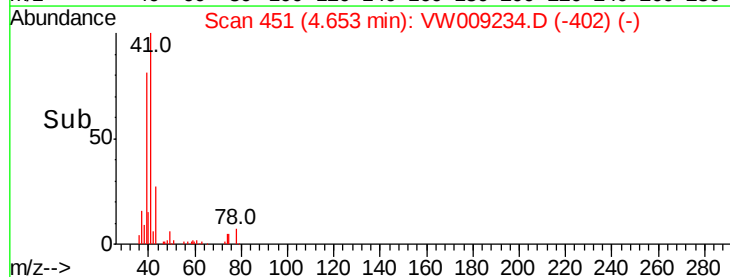
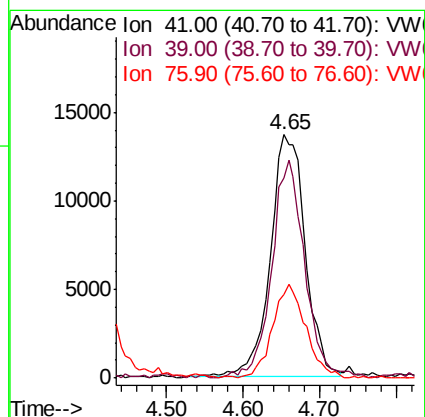
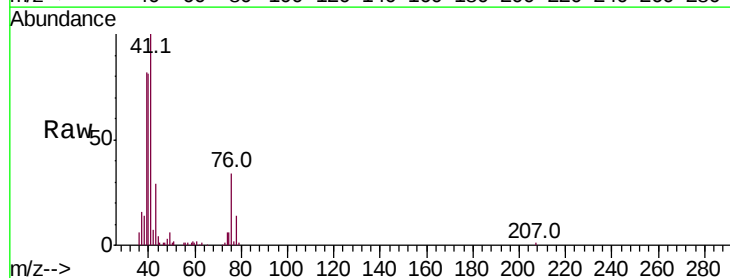
Tgt Ion: 41 Resp: 43253

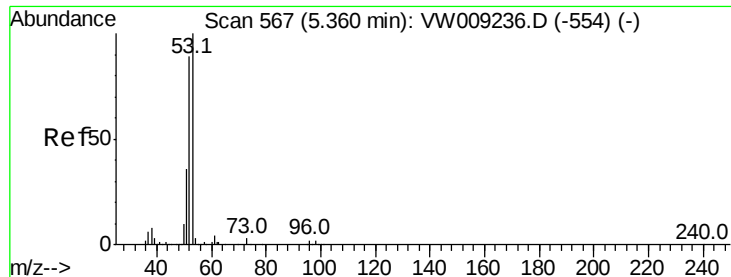
Ion Ratio Lower Upper

41 100

39 85.7 63.8 95.6

76 36.9 27.8 41.6





#15

Acrylonitrile

Concen: 50.988 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

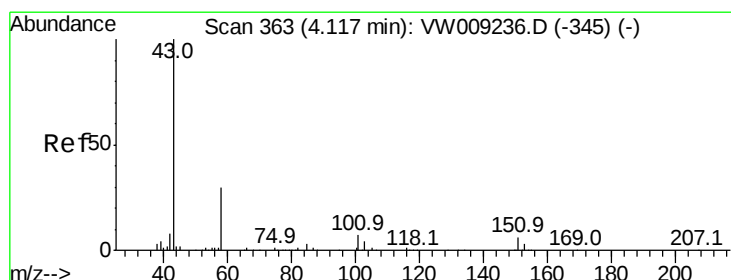
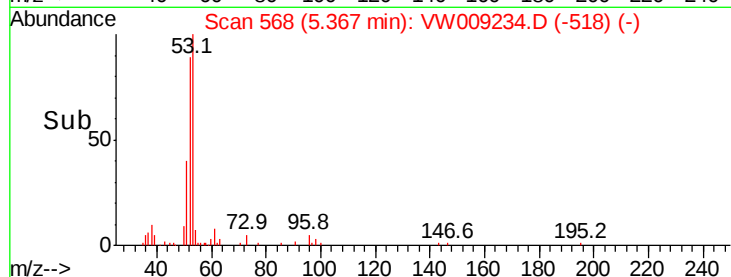
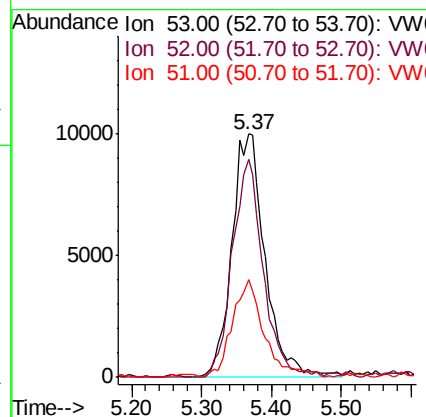
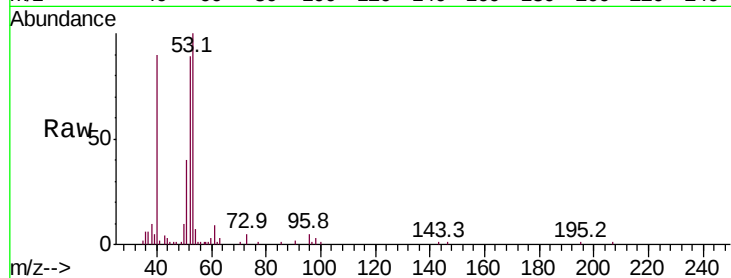
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	32991
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.6	101.4
51	38.7	30.6	45.8

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#16

Acetone

Concen: 53.422 ug/l

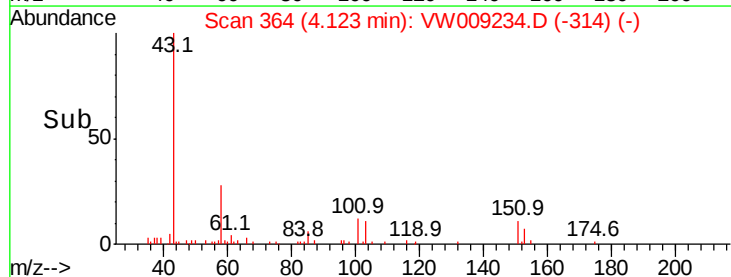
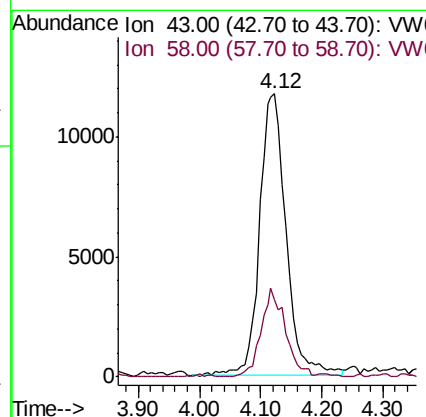
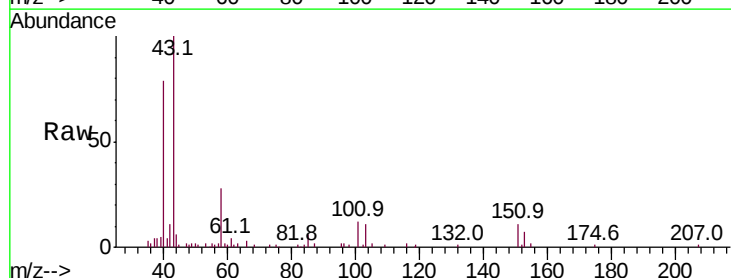
RT: 4.12 min Scan# 364

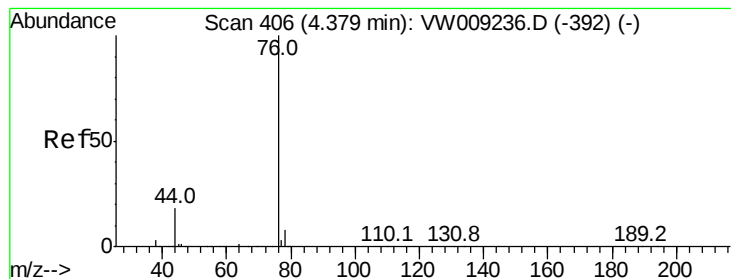
Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion:	43	Resp:	35709
Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.6	35.4





#17

Carbon Disulfide

Concen: 10.852 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tot Ion: 76 Resp: 88437

Ion Ratio Lower Upper

76 100

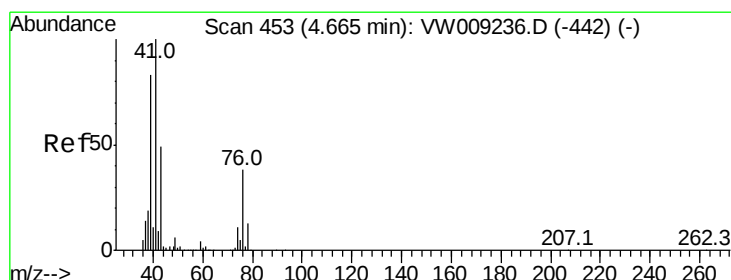
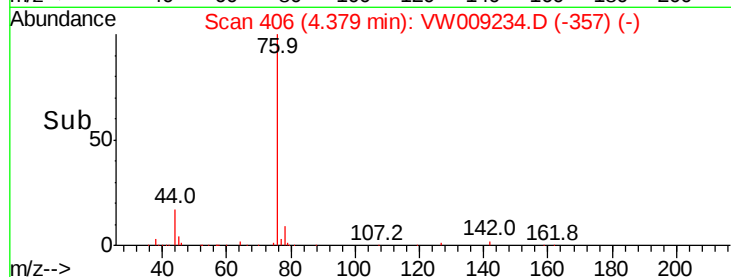
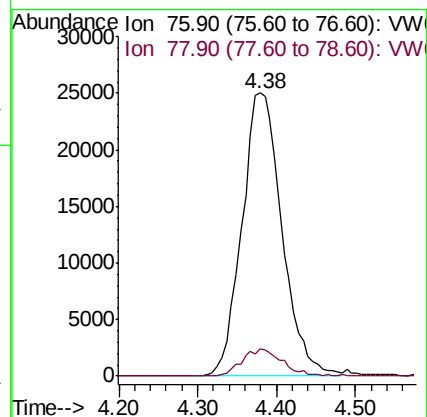
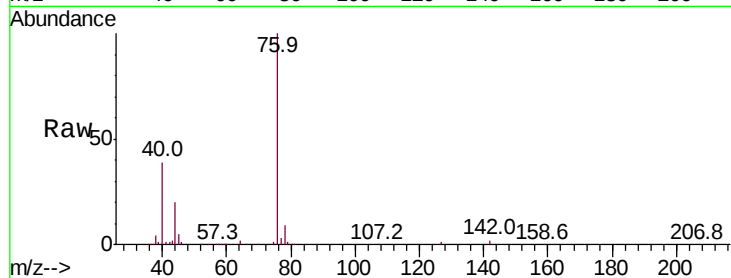
78 9.5 6.6 9.8

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#18

Methyl Acetate

Concen: 9.337 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW009234.D

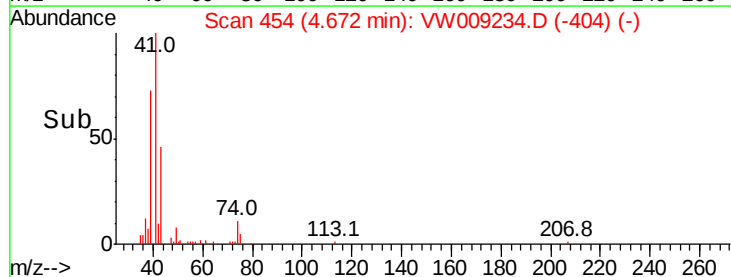
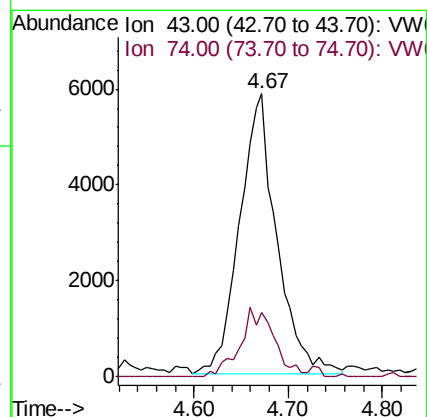
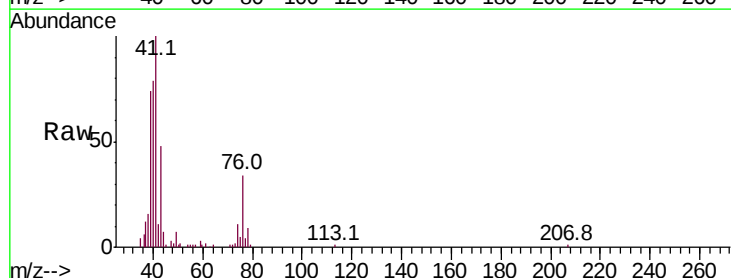
Acq: 19 Mar 2019 11:24

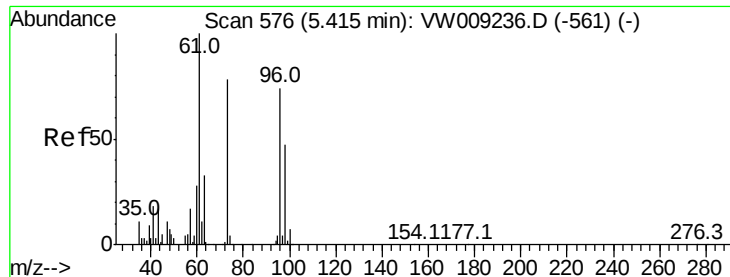
Tgt Ion: 43 Resp: 16017

Ion Ratio Lower Upper

43 100

74 22.8 17.7 26.5





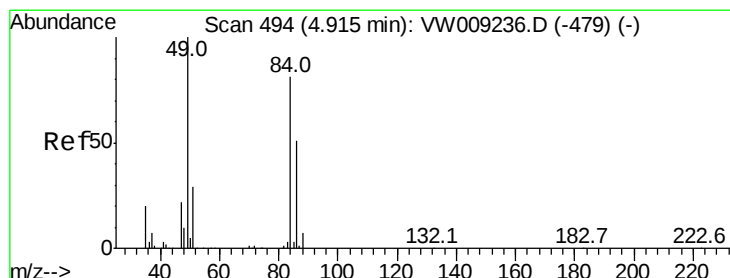
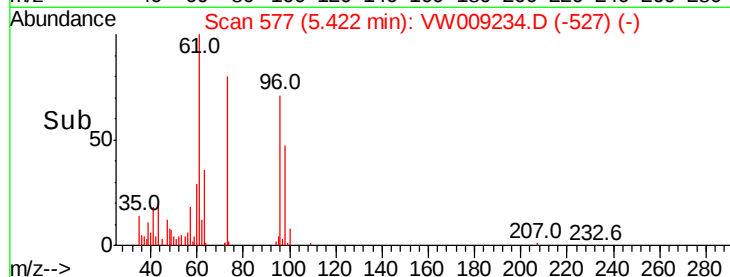
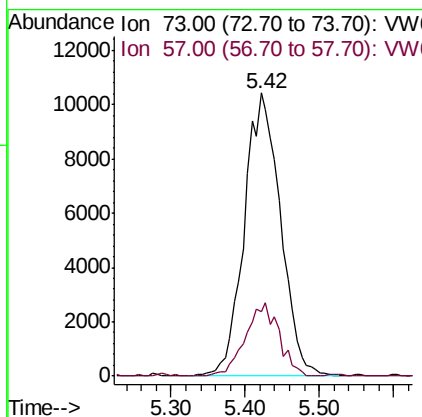
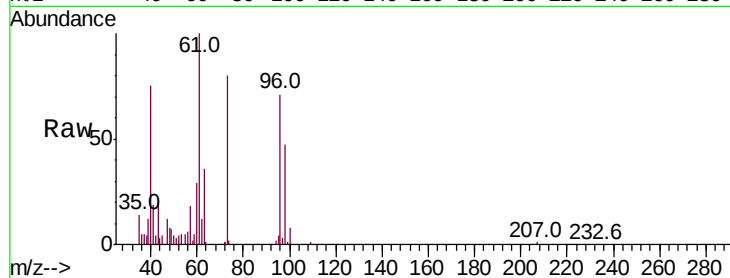
#19
Methvl tert-butvl Ether
Concen: 9.919 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 35586
Ion Ratio Lower Upper
73 100
57 22.8 17.0 25.6

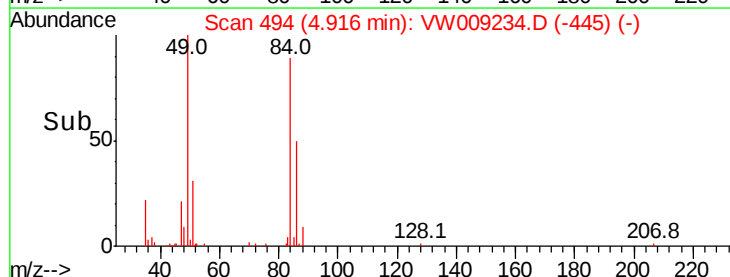
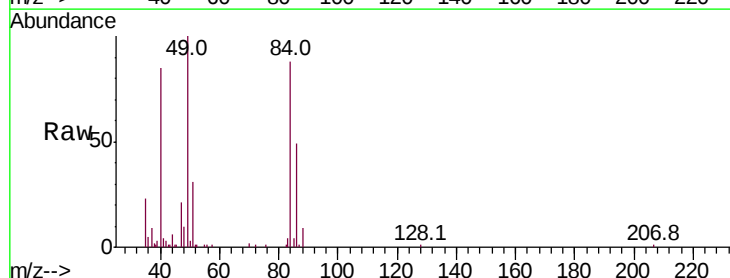
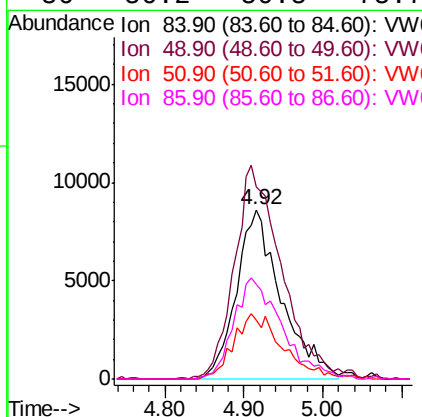
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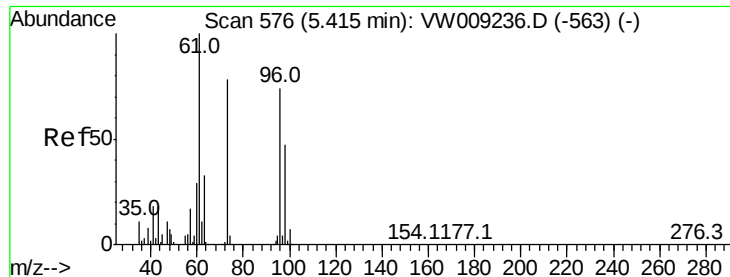
MMDadoda
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#20
Methylene Chloride
Concen: 10.924 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 84 Resp: 34093
Ion Ratio Lower Upper
84 100
49 113.6 99.1 148.7
51 34.9 28.7 43.1
86 56.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 10.275 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

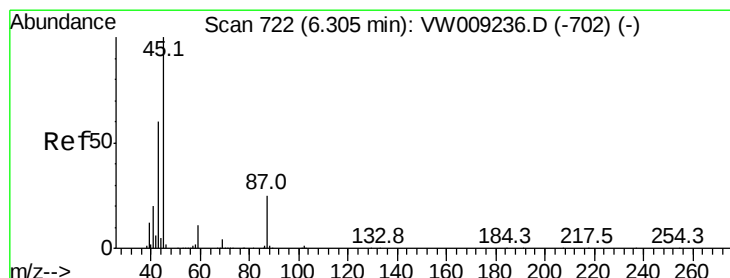
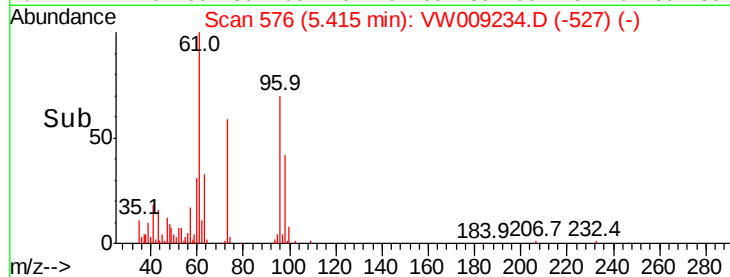
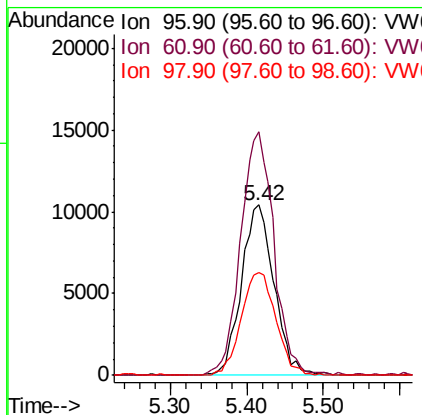
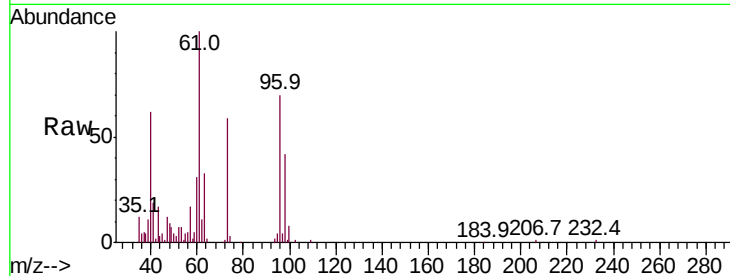
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	30901
Ion	Ratio	Lower	Upper
96	100		
61	142.9	108.2	162.4
98	60.5	50.9	76.3

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#22

Diisopropyl ether

Concen: 9.908 ug/l

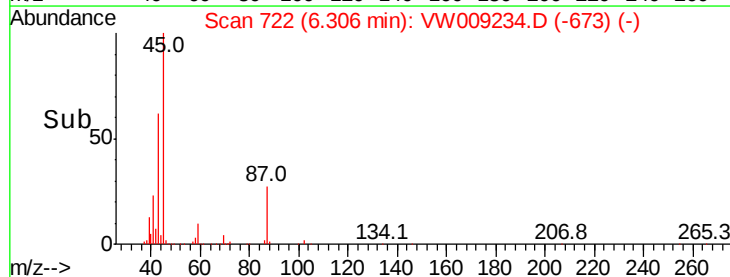
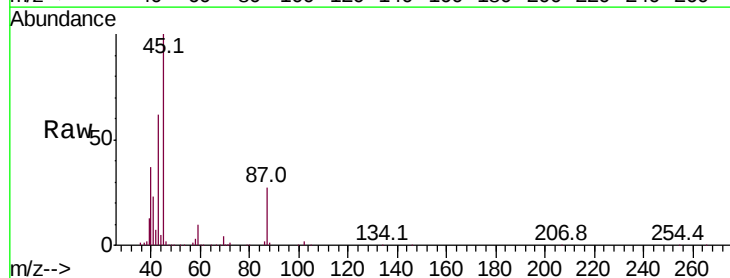
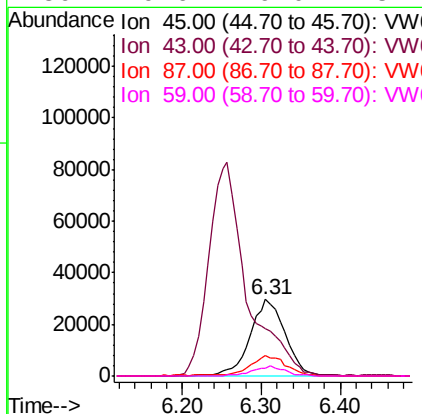
RT: 6.31 min Scan# 722

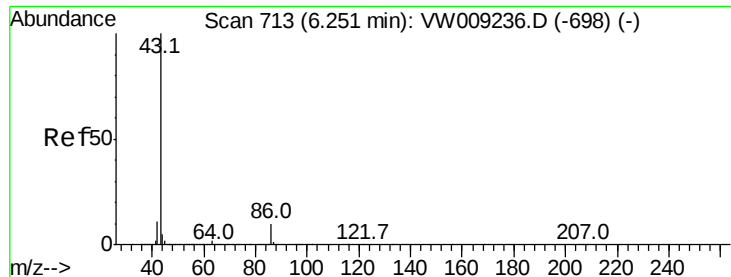
Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion:	45	Resp:	92052
Ion	Ratio	Lower	Upper
45	100		
43	61.3	47.9	71.9
87	27.2	20.6	30.8
59	9.6	9.0	13.4





#23

Vinyl Acetate

Concen: 47.524 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 277028

Ion Ratio Lower Upper

43 100

86 8.9

7.7

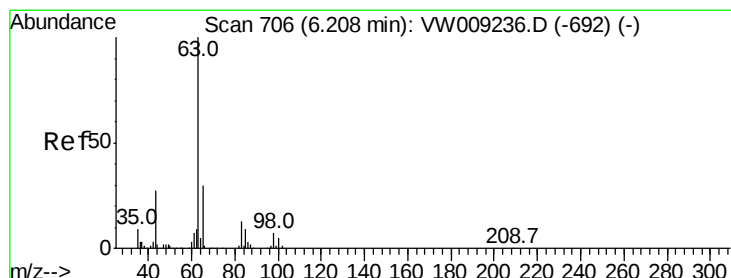
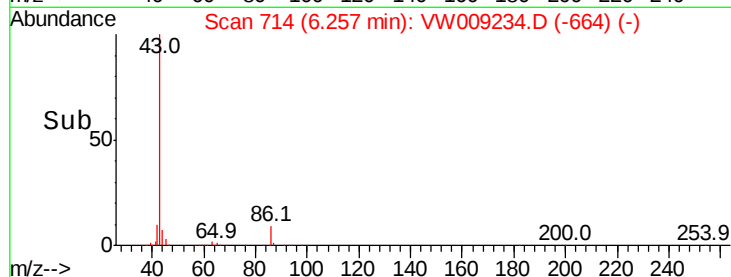
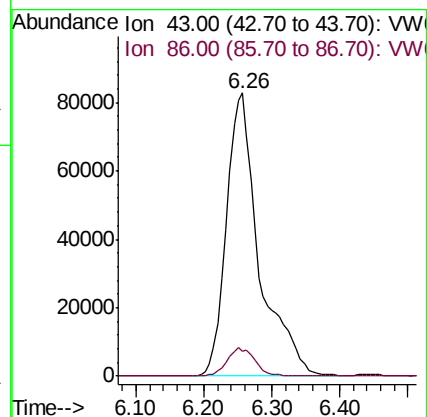
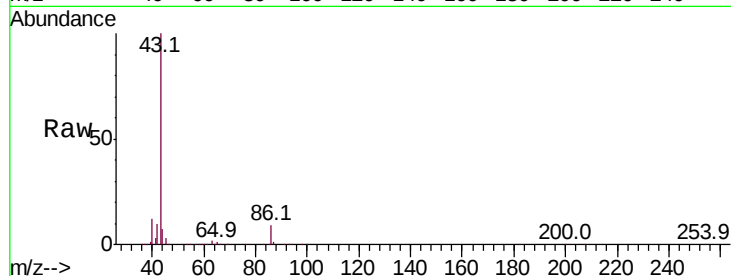
11.5

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#24

1,1-Dichloroethane

Concen: 10.334 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion: 63 Resp: 59253

Ion Ratio Lower Upper

63 100

98 6.1

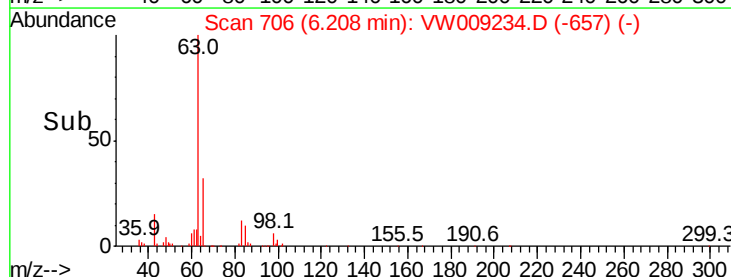
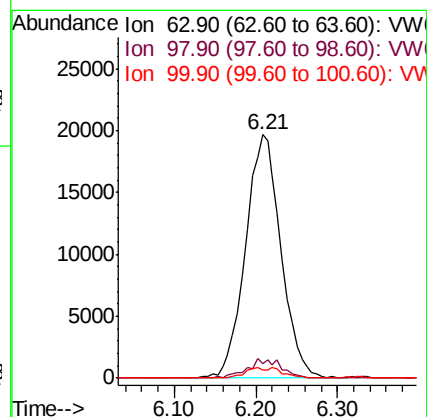
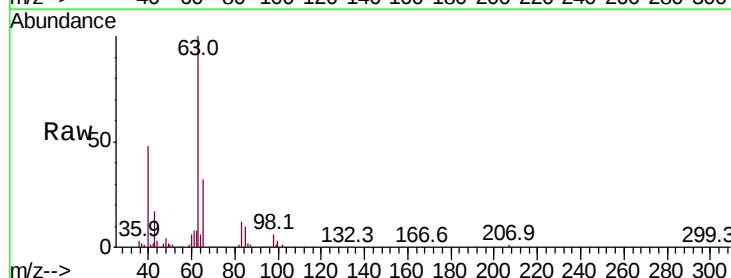
3.7

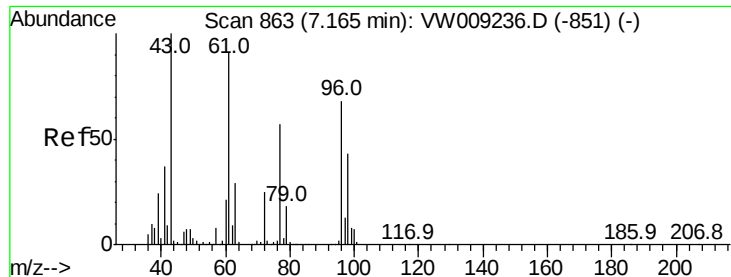
11.1

100 3.2

2.4

7.1





#25

2-Butanone

Concen: 48.491 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 46444

Ion Ratio Lower Upper

43 100

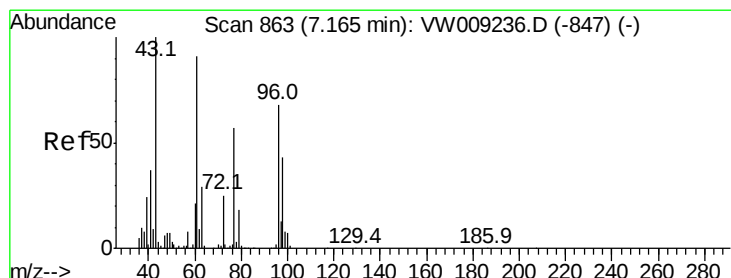
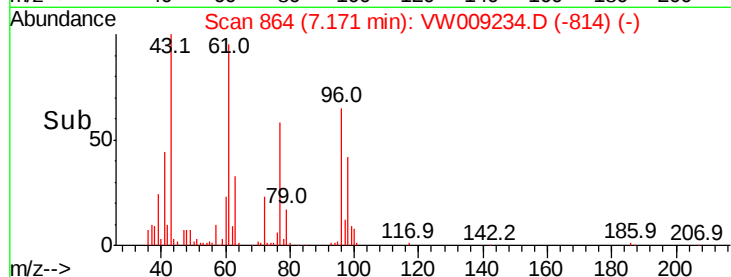
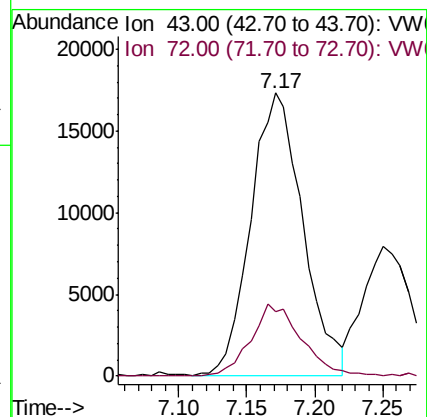
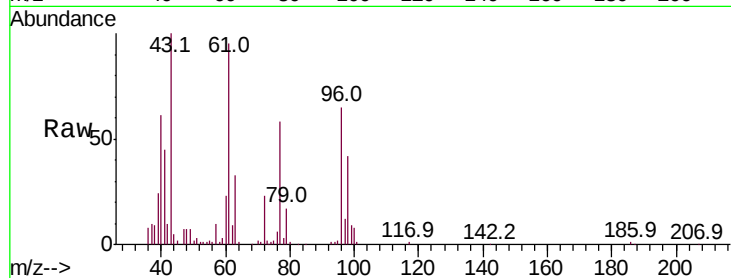
72 23.0 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.866 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009234.D

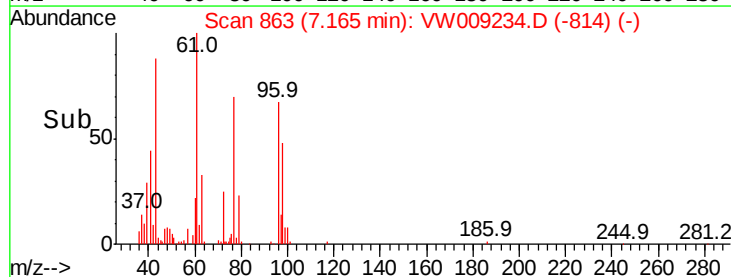
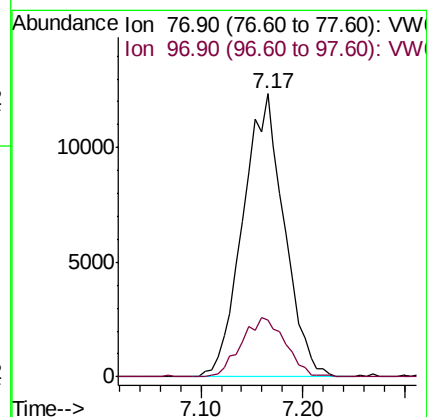
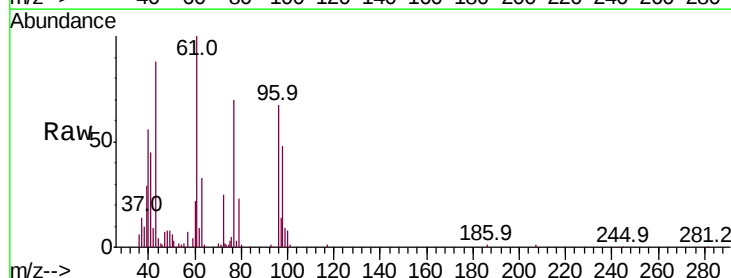
Acq: 19 Mar 2019 11:24

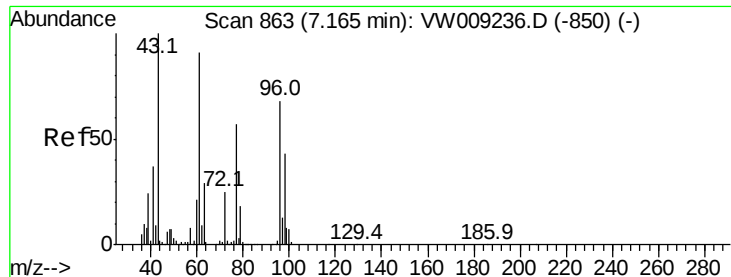
Tgt Ion: 77 Resp: 34811

Ion Ratio Lower Upper

77 100

97 22.2 11.6 34.7





#27

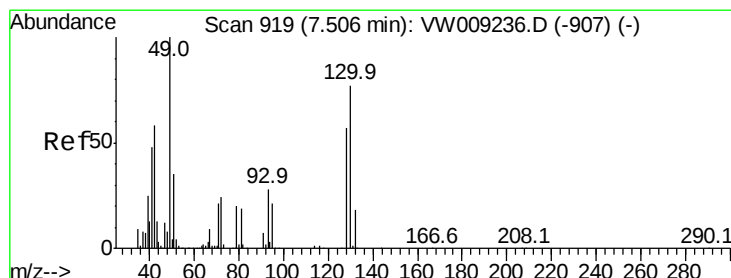
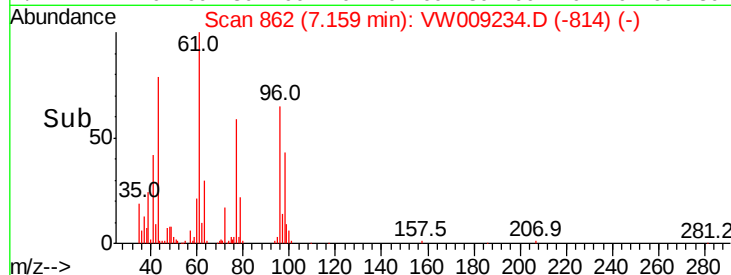
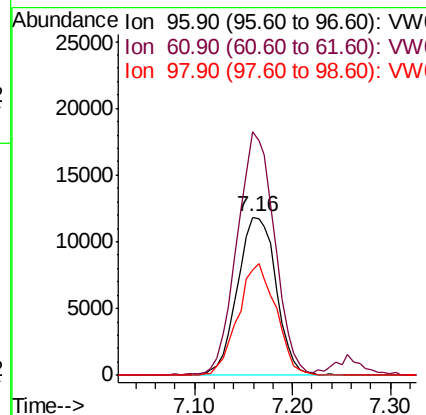
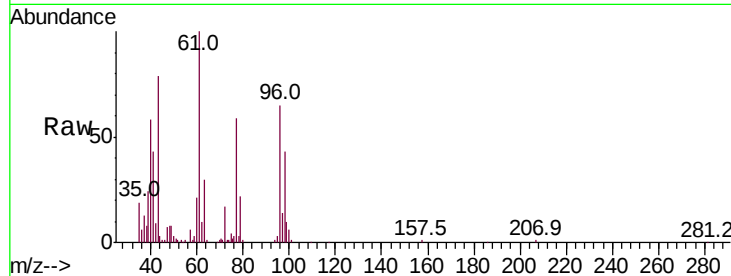
cis-1,2-Dichloroethene
Concen: 10.017 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.3	0.0	289.8	
98	69.2	0.0	130.8	

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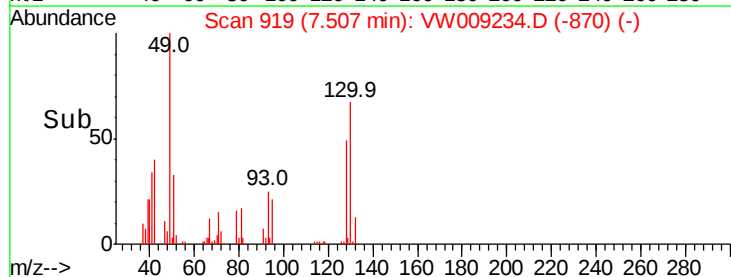
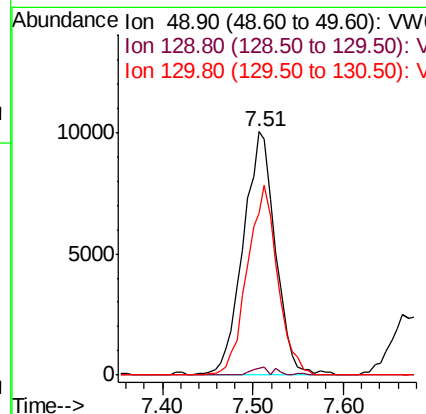
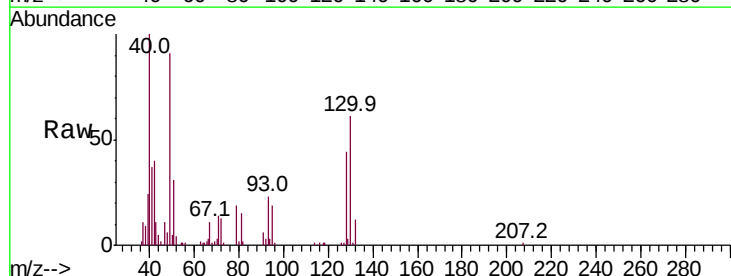
MMDadoda
3/22/2019 3:52:57 AM

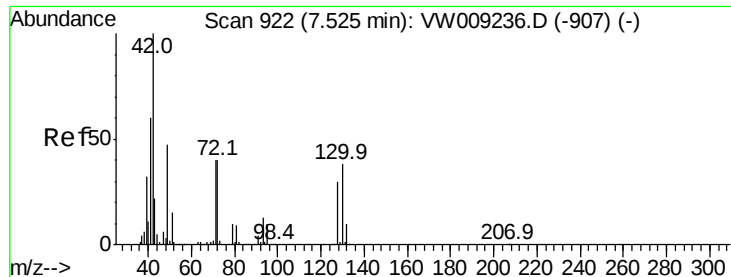


#28

Bromochloromethane
Concen: 9.837 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	1.4#	
130	73.0	58.6	88.0	





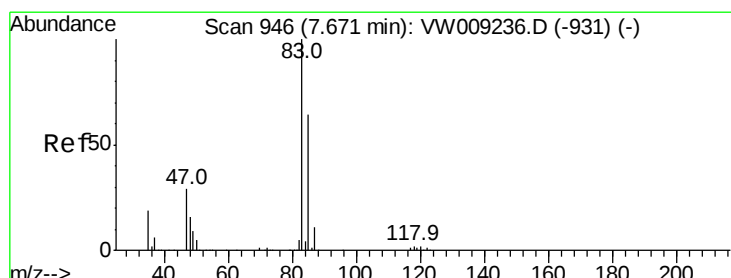
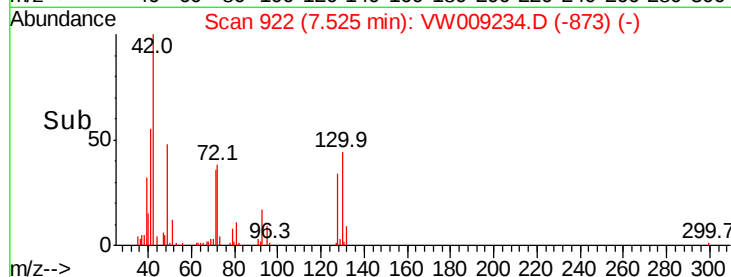
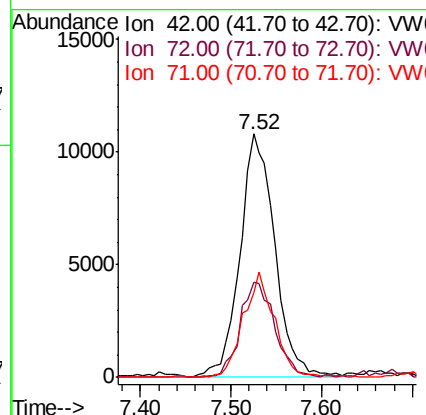
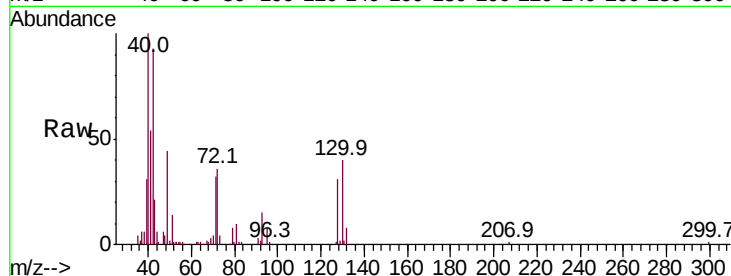
#29
Tetrahydrofuran
Concen: 47.391 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.4	48.6
71	39.0	30.1	45.1

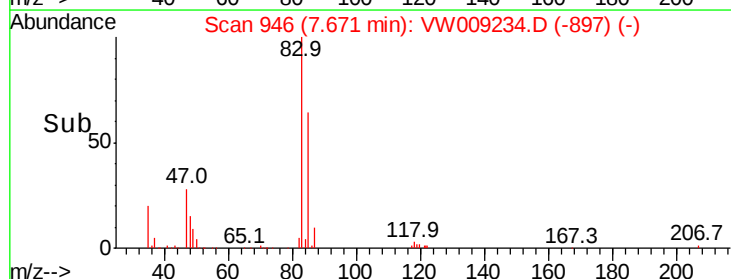
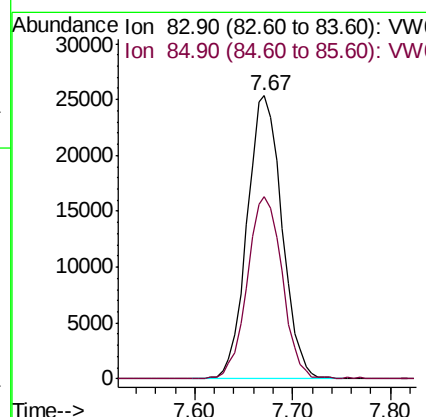
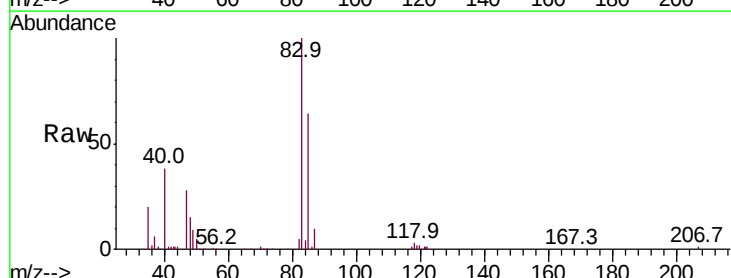
Manual Integrations
APPROVED

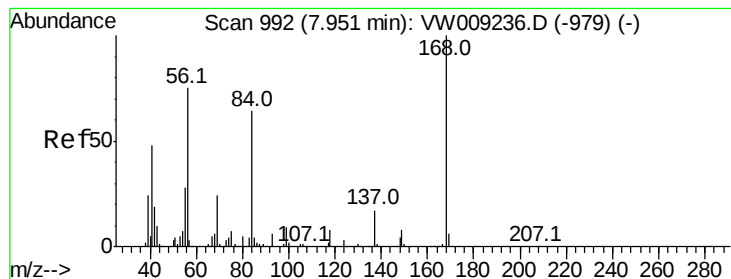
MMDadoda
3/22/2019 3:52:57 AM



#30
Chloroform
Concen: 10.474 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.6





#31

Cyclohexane

Concen: 10.766 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

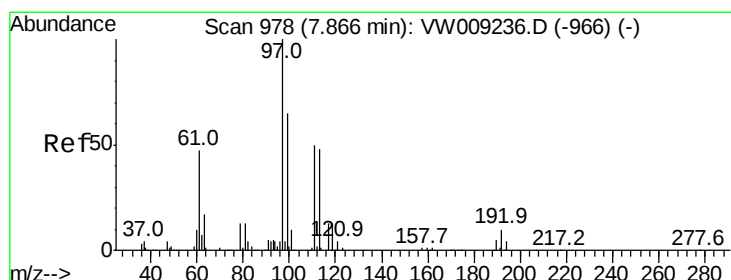
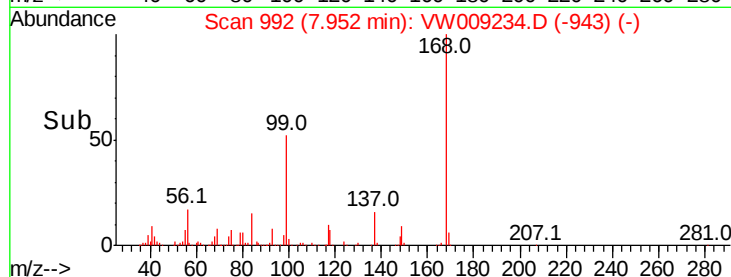
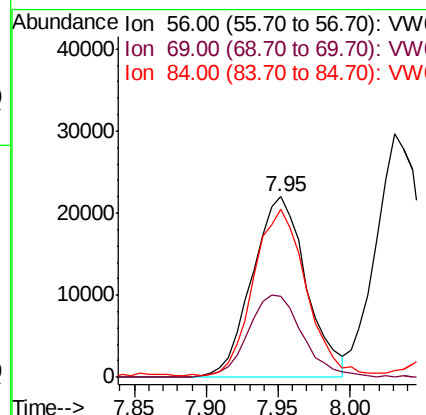
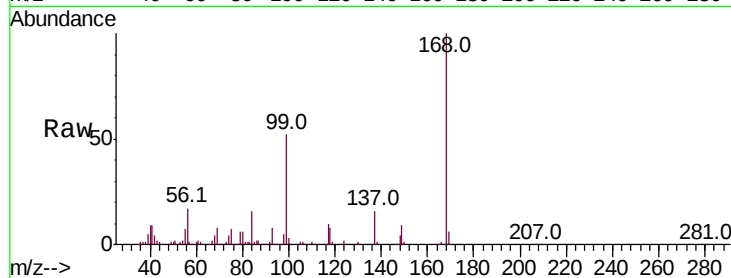
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	57551
Ion	Ratio	Lower	Upper
56	100		
69	44.8	26.1	39.1#
84	92.0	68.6	103.0

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#32

1,1,1-Trichloroethane

Concen: 10.384 ug/l

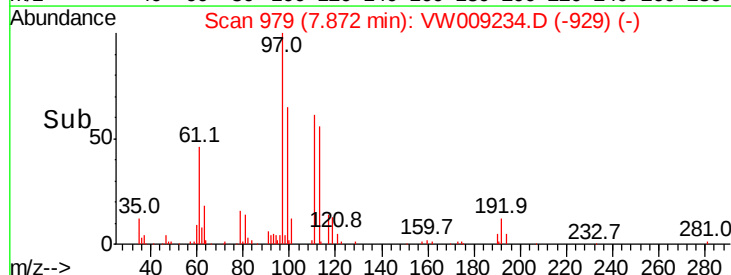
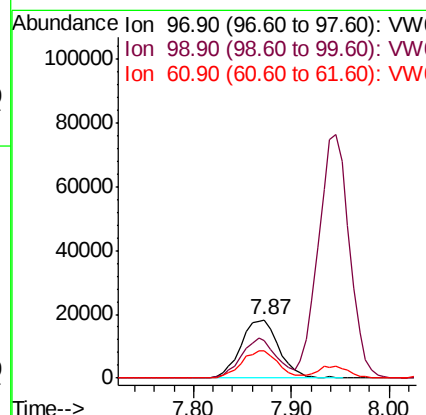
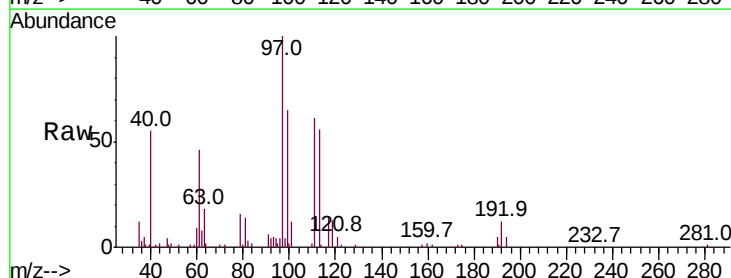
RT: 7.87 min Scan# 979

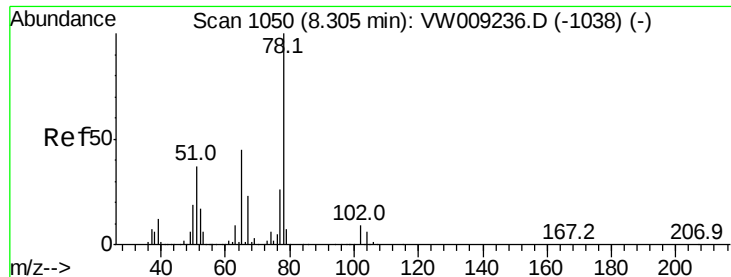
Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion:	97	Resp:	49447
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.9	77.9
61	45.3	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 9.925 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 32337

Ion Ratio Lower Upper

65 100

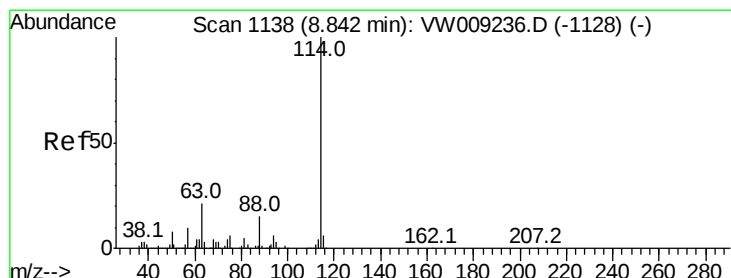
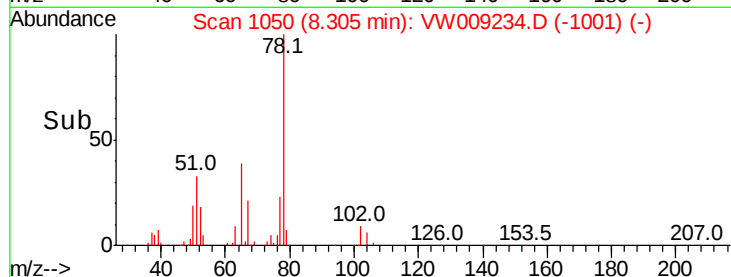
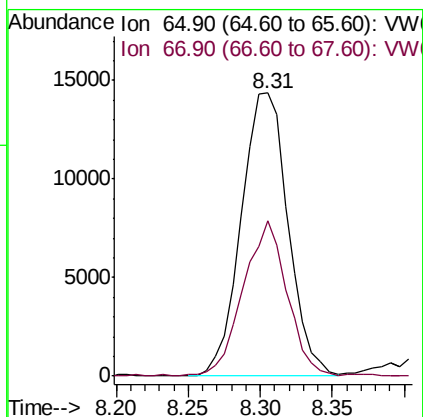
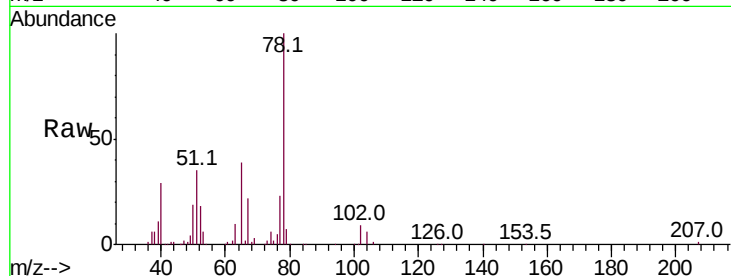
67 51.7 0.0 102.4

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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: VW009234.D

Acq: 19 Mar 2019 11:24

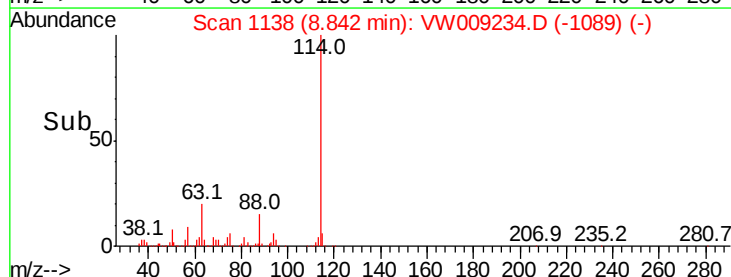
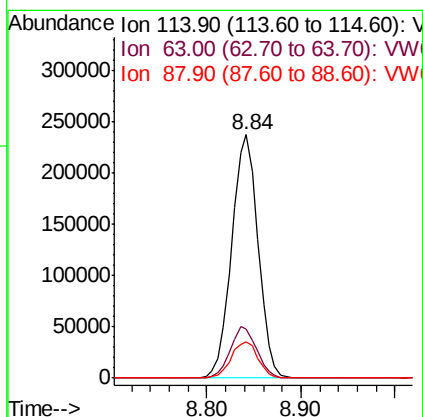
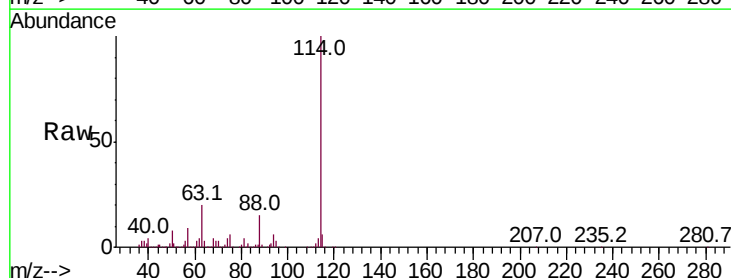
Tgt Ion: 114 Resp: 462599

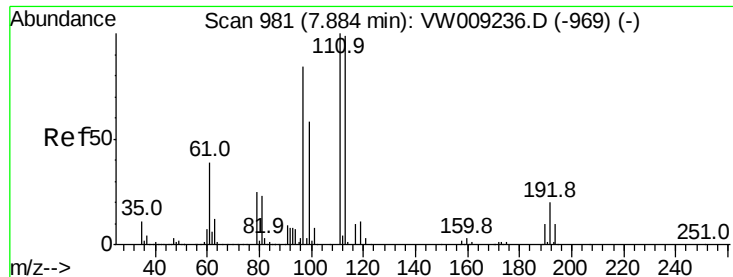
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.2

88 14.7 0.0 30.8





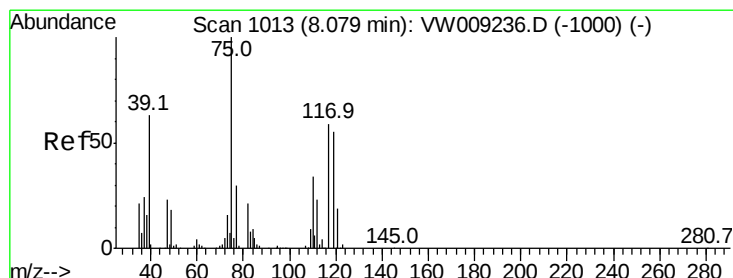
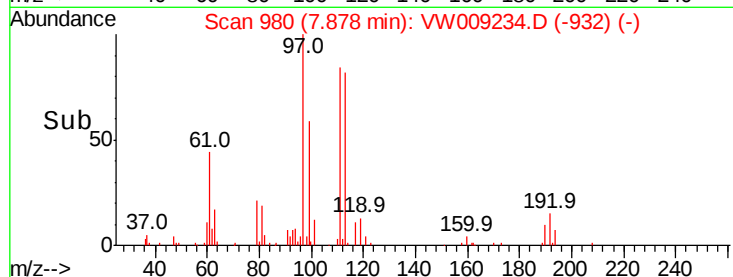
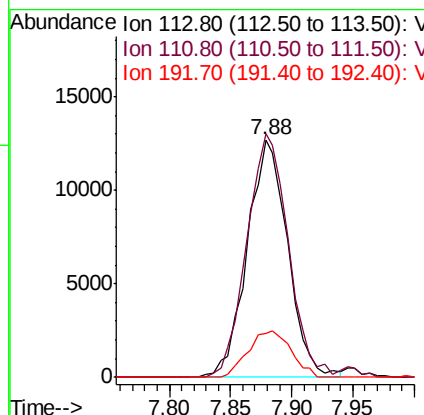
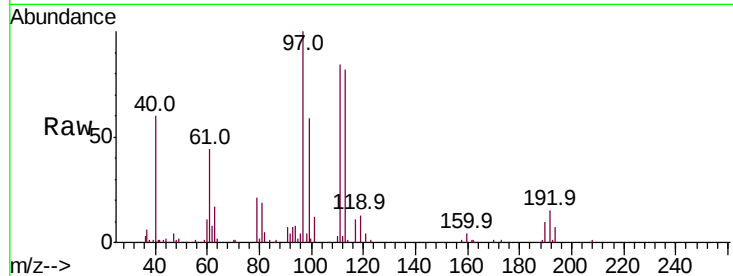
#35
 Dibromofluoromethane
 Concen: 9.968 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.6	124.0
192	20.7	16.4	24.6

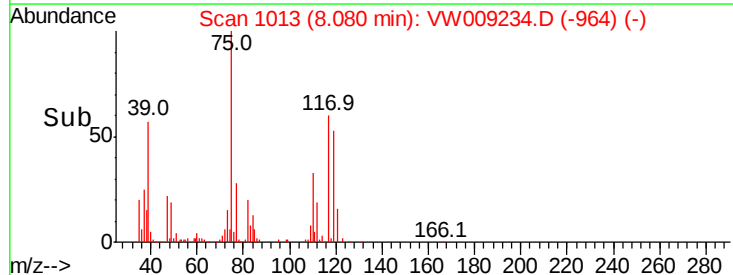
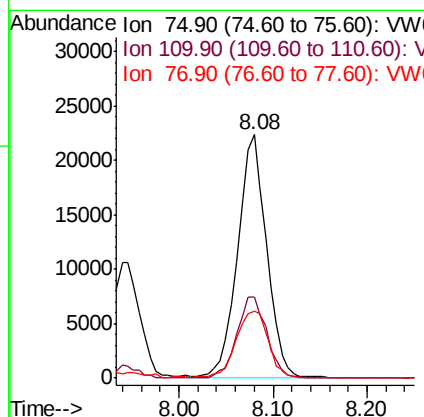
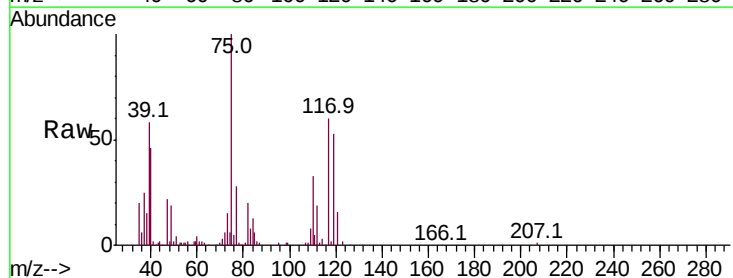
Manual Integrations
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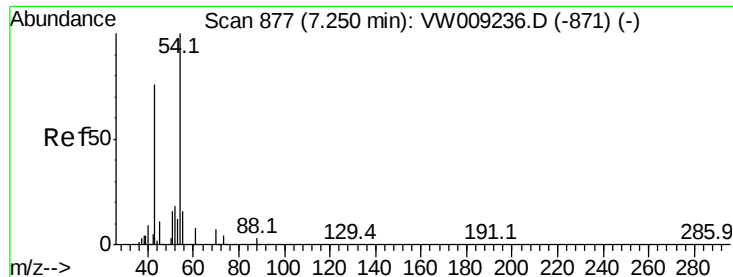
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 10.464 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.8	50.4
77	30.6	24.6	36.8





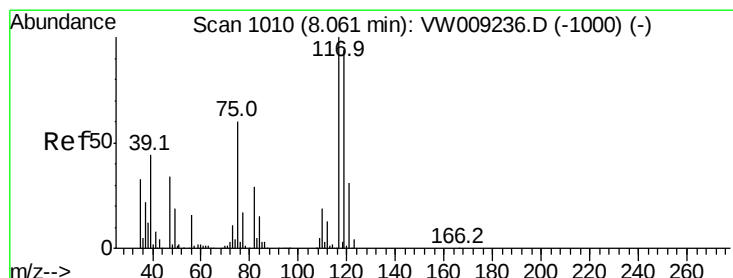
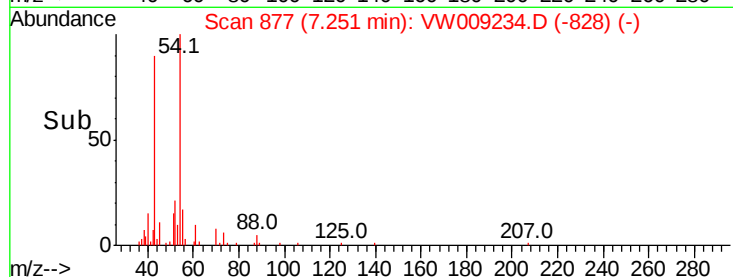
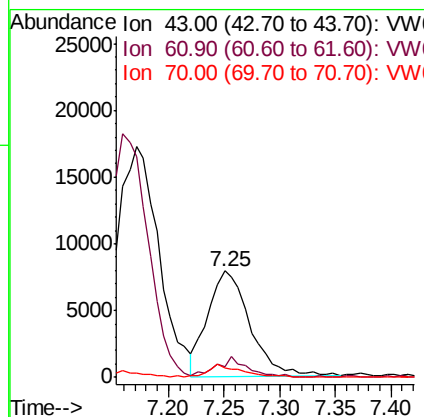
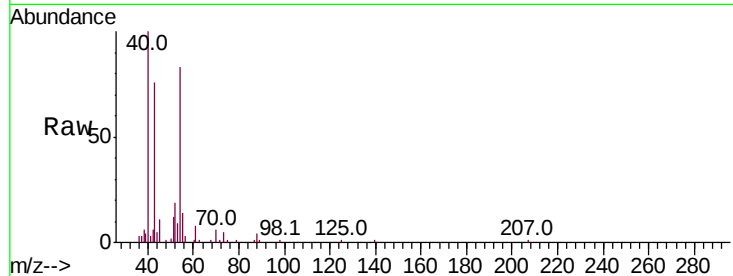
#37
Ethyl Acetate
Concen: 9.953 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.0	15.0
70	9.6	7.3	10.9

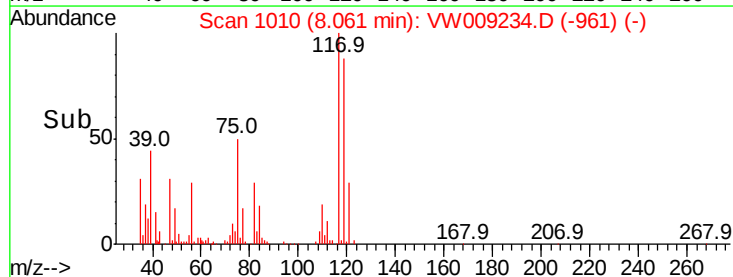
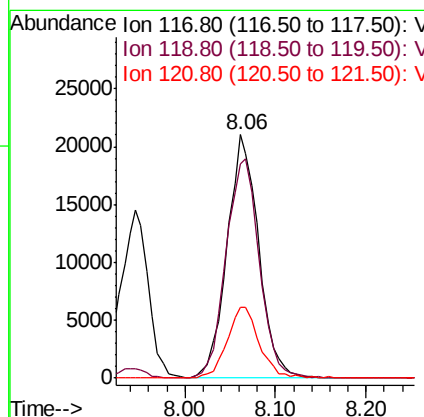
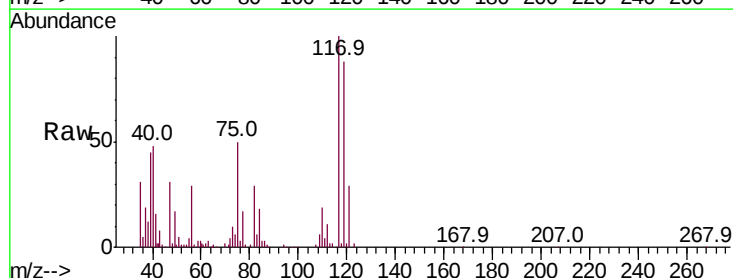
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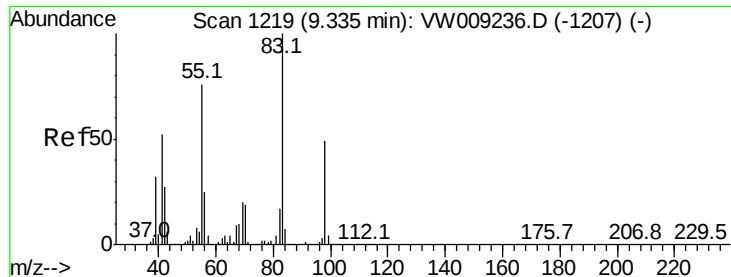
MMDadoda
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#38
Carbon Tetrachloride
Concen: 10.429 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.8	75.4	113.0
121	29.0	24.9	37.3





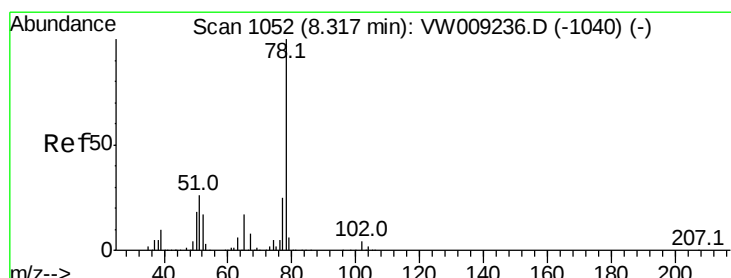
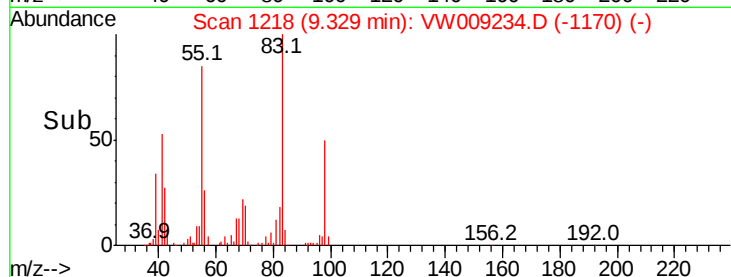
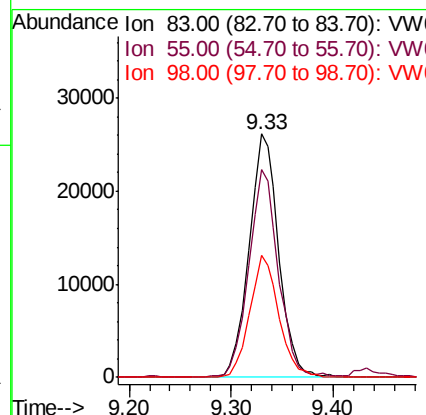
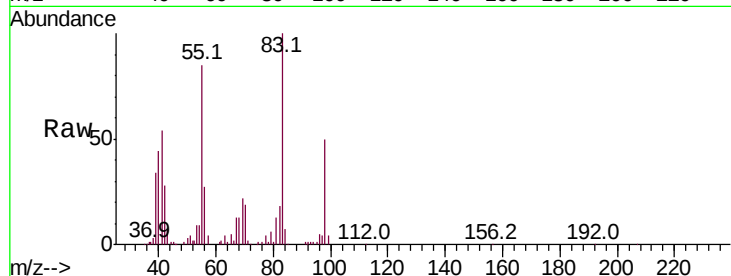
#39
Methvlcvclohexane
Concen: 9.888 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.1	61.1	91.7
98	50.0	39.0	58.4

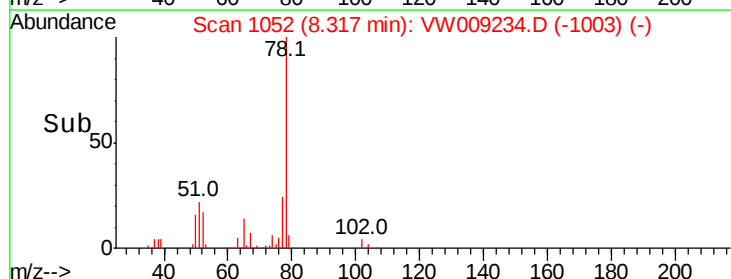
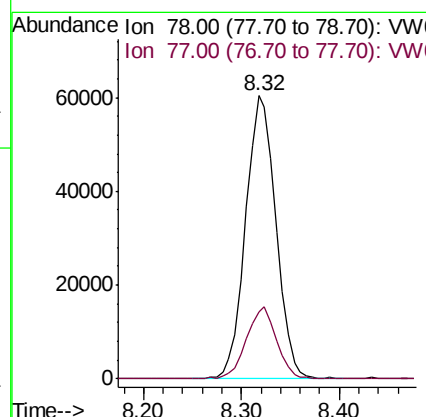
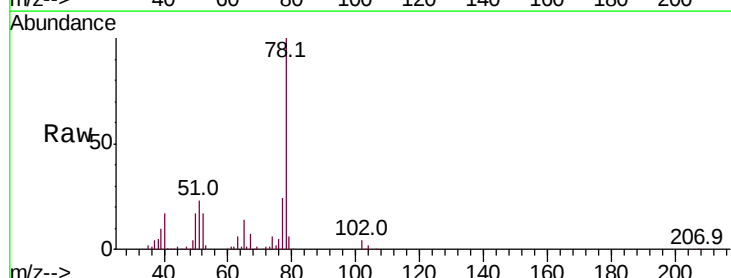
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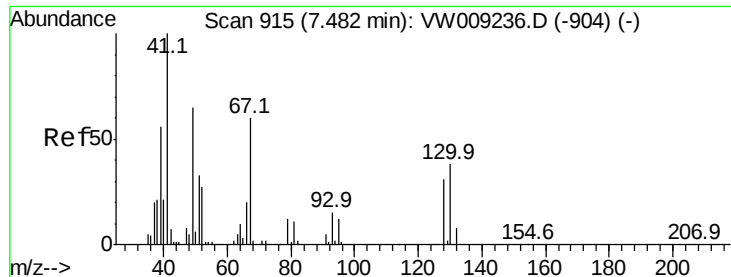
MMDadoda
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#40
Benzene
Concen: 10.385 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.6





#41

Methacrylonitrile

Concen: 8.959 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 10143

Ion Ratio Lower Upper

41 100

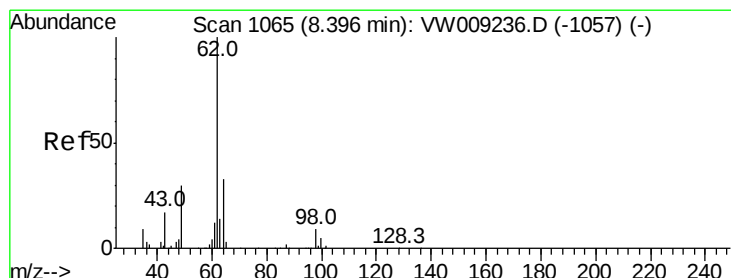
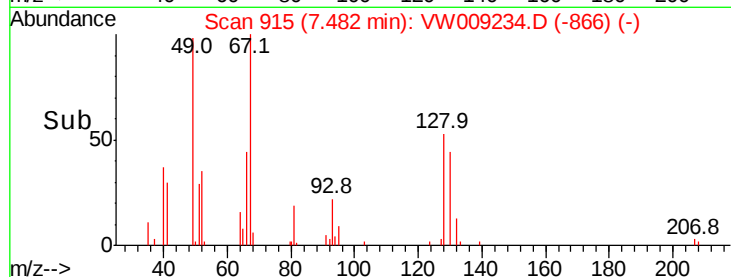
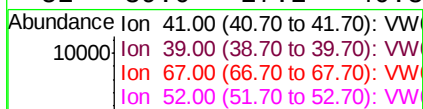
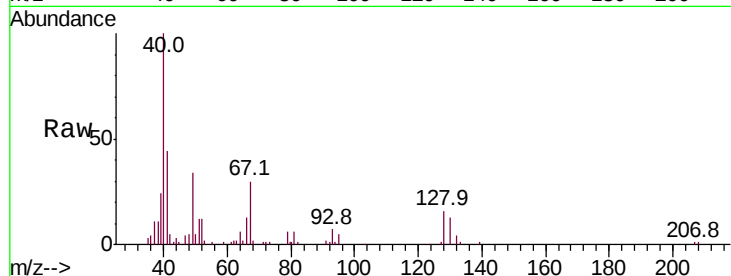
39 72.2 52.5 78.7

67 83.1 56.6 84.8

52 39.0 27.2 40.8

Manual Integrations
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MMDadoda
3/22/2019 3:52:57 AM



#42

1,2-Dichloroethane

Concen: 10.222 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009234.D

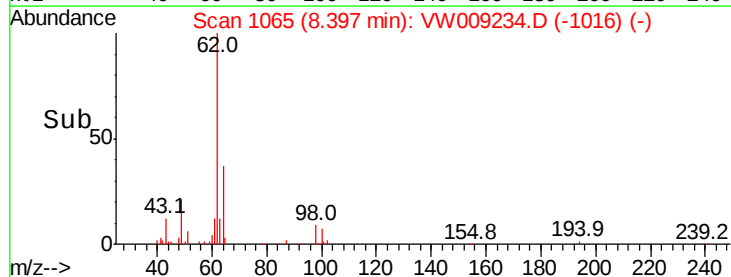
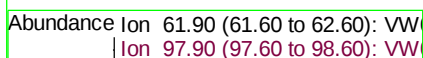
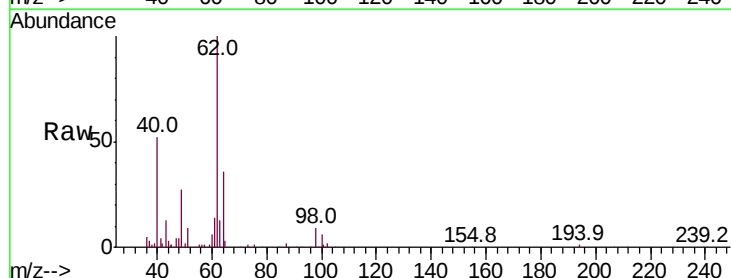
Acq: 19 Mar 2019 11:24

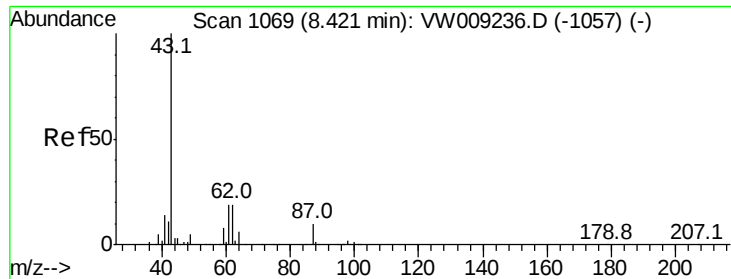
Tgt Ion: 62 Resp: 41714

Ion Ratio Lower Upper

62 100

98 9.3 0.0 17.4





#43

Isopropyl Acetate

Concen: 9.740 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

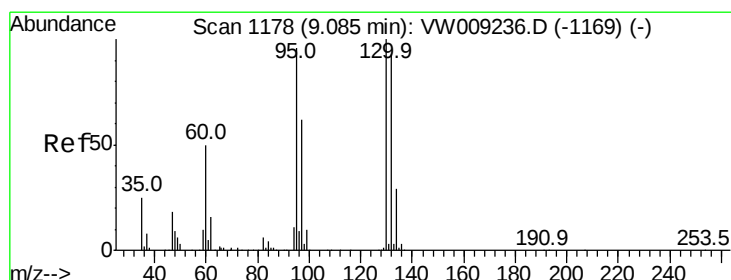
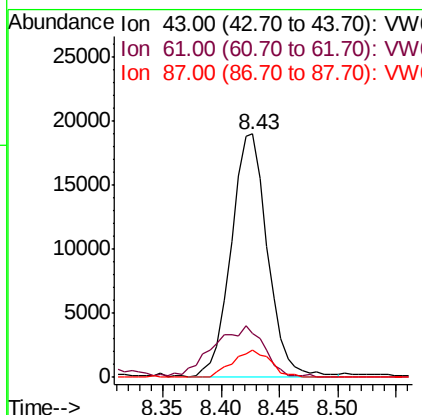
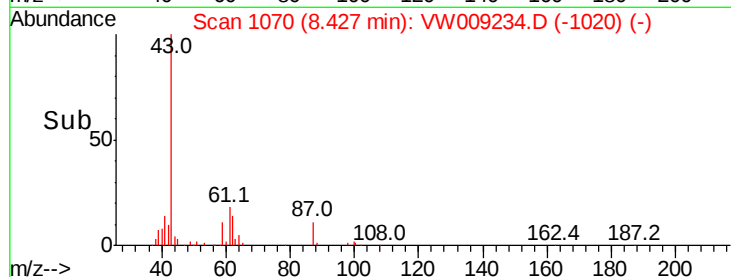
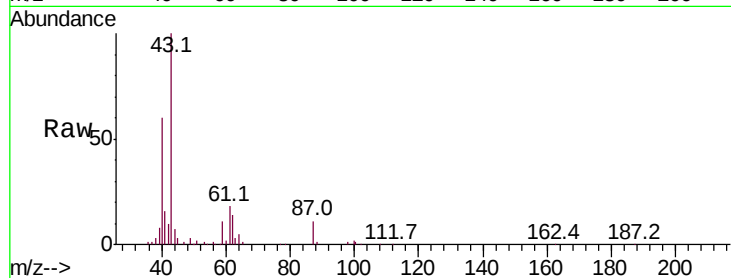
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	40970
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.2	33.2
87	11.7	9.6	14.4

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#44

Trichloroethene

Concen: 10.384 ug/l

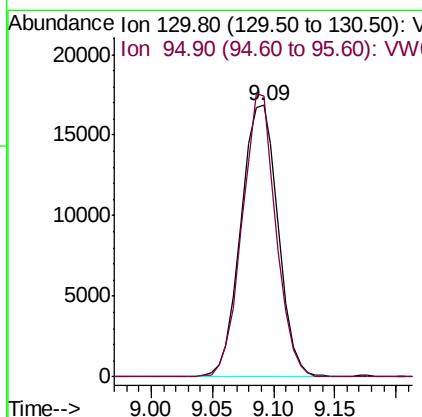
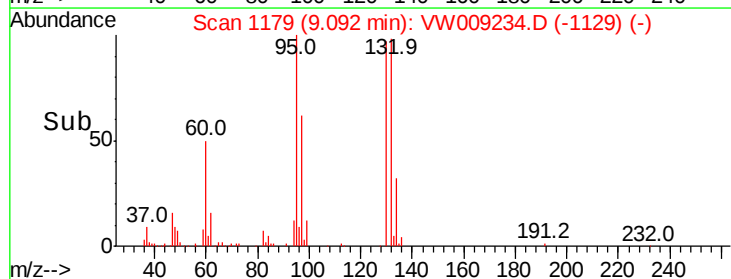
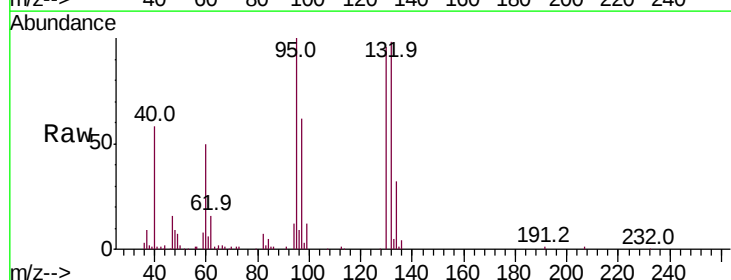
RT: 9.09 min Scan# 1179

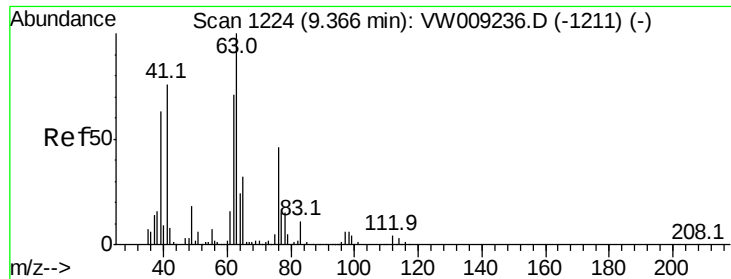
Delta R.T. 0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion:	130	Resp:	35511
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	192.6





#45

1,2-Dichloropropane

Concen: 10.249 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 32524

Ion Ratio Lower Upper

63 100

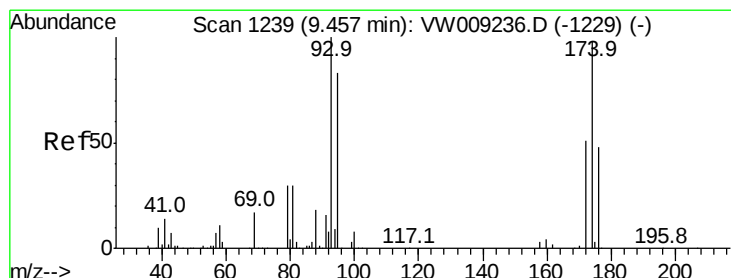
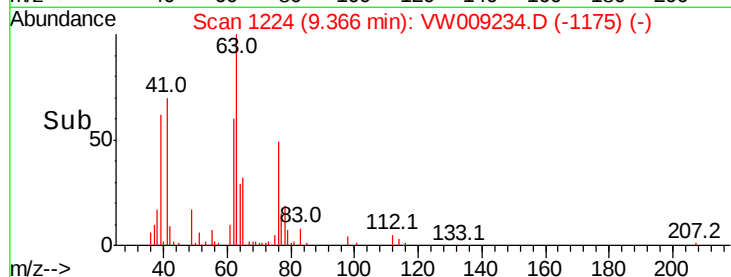
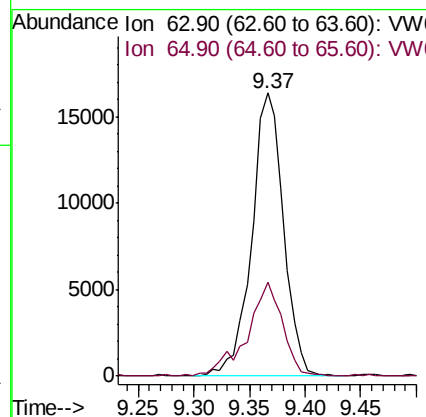
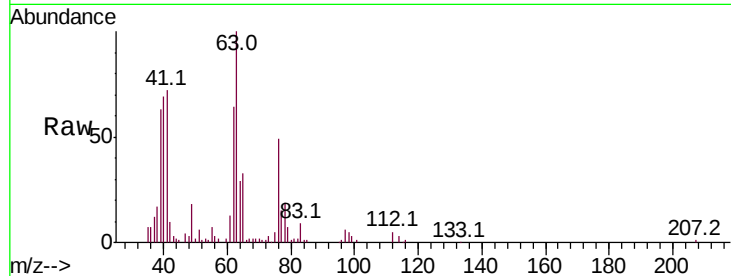
65 33.2 25.8 38.8

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#46

Dibromomethane

Concen: 10.330 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

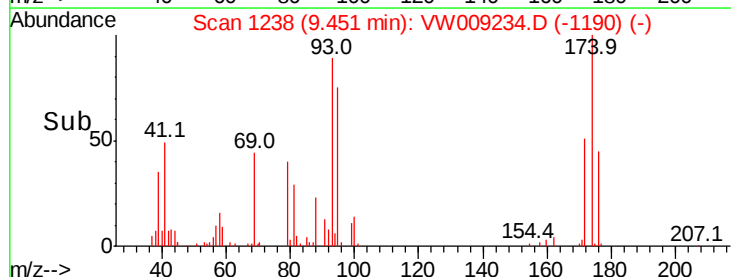
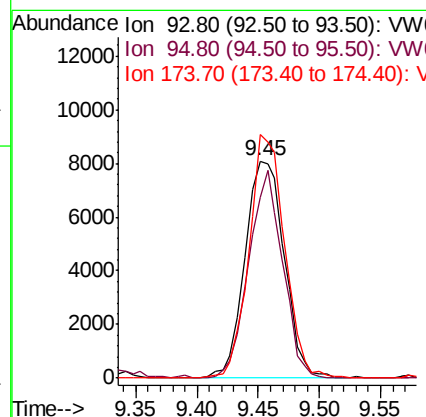
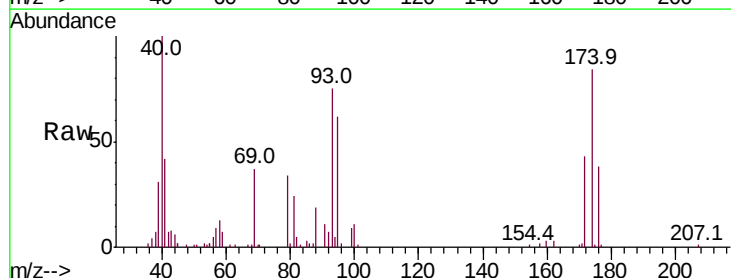
Tgt Ion: 93 Resp: 18026

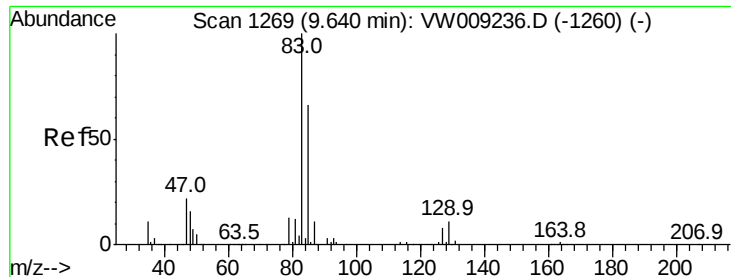
Ion Ratio Lower Upper

93 100

95 82.9 66.9 100.3

174 102.4 80.8 121.2





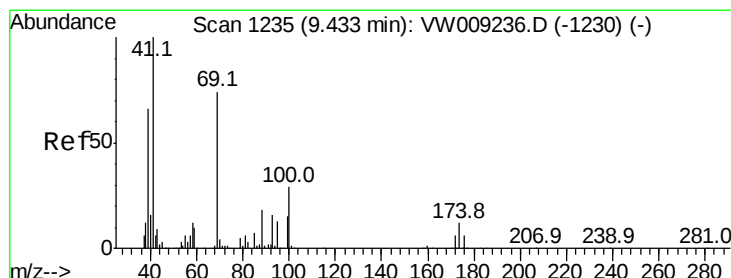
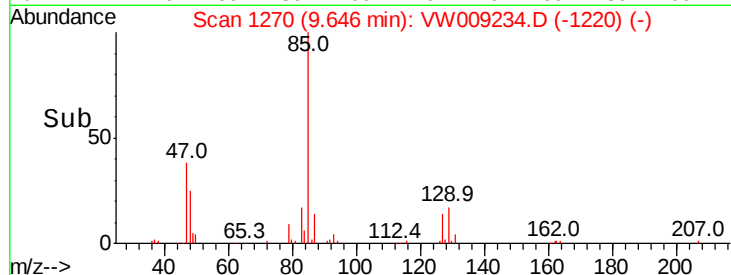
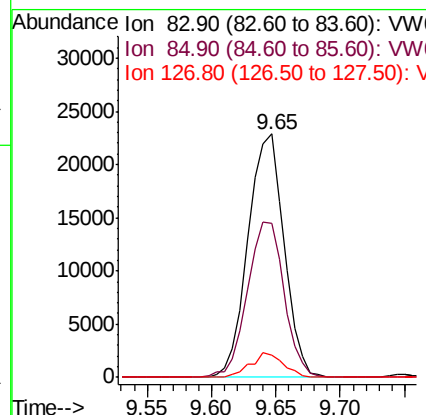
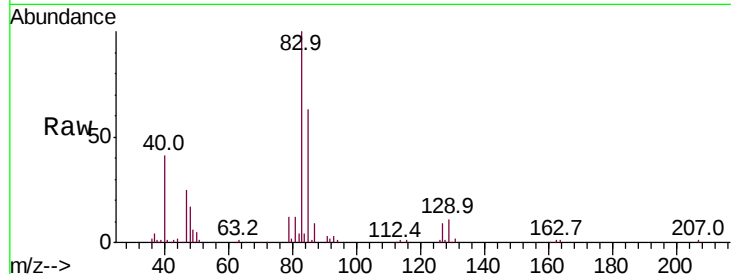
#47
Bromodichloromethane
Concen: 10.003 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	85	127	Ratio	Lower	Upper
44108	100	63.4	8.9		52.6	79.0
					6.5	9.7

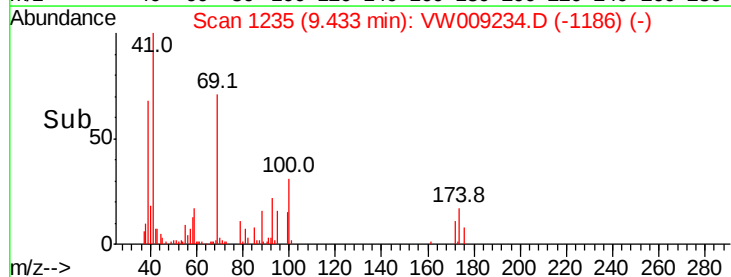
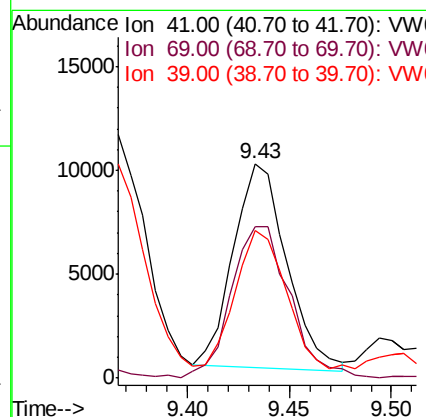
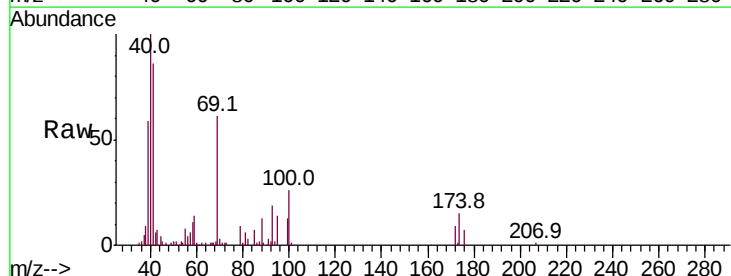
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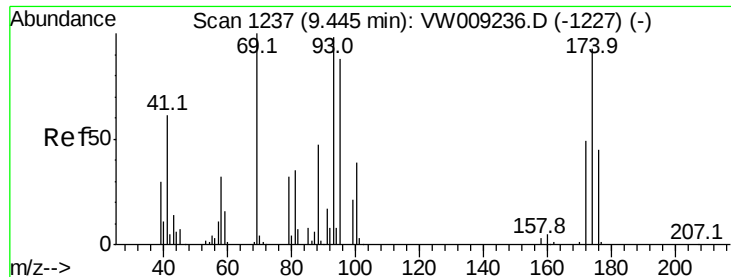
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3/22/2019 3:52:57 AM



#48
Methyl methacrylate
Concen: 9.197 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	41	69	39	Ratio	Lower	Upper
17910	100	81.2	64.6		63.0	94.6
					57.2	85.8





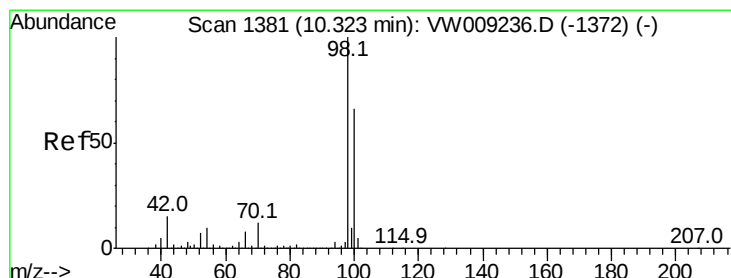
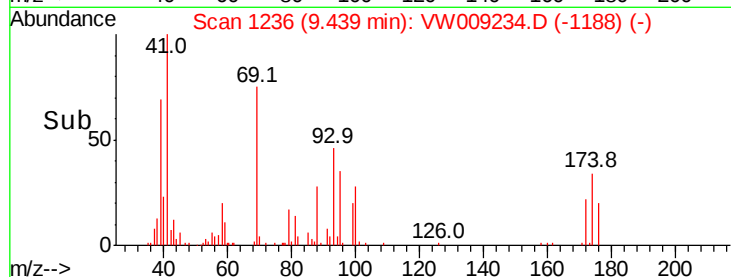
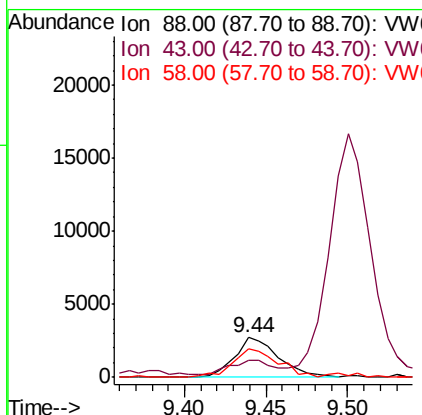
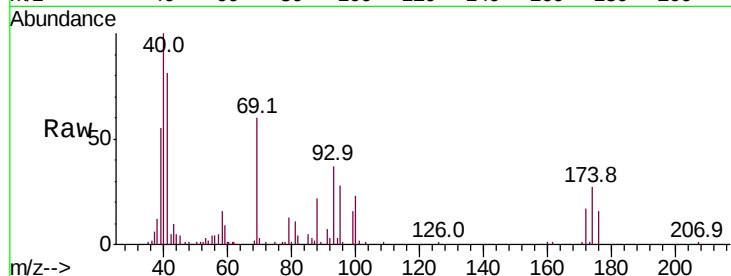
#49
1,4-Dioxane
Concen: 187.280 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 5069
Ion Ratio Lower Upper
88 100
43 39.0 29.7 44.5
58 73.0 58.1 87.1

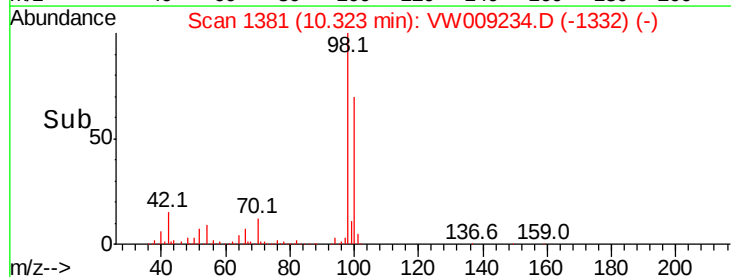
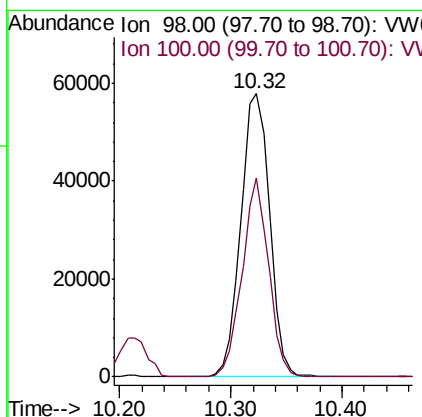
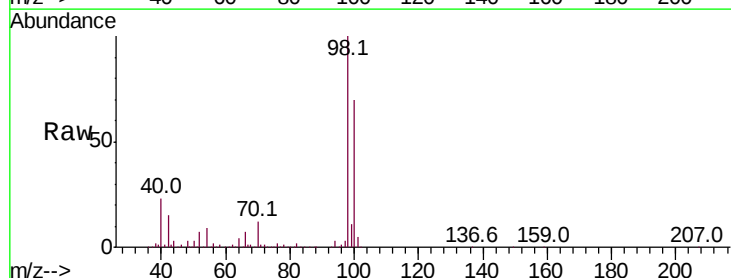
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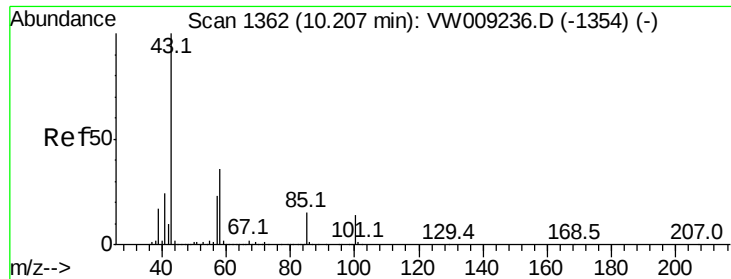
MMDadoda
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#50
Toluene-d8
Concen: 9.793 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 98 Resp: 104437
Ion Ratio Lower Upper
98 100
100 64.2 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 47.099 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 103246

Ion Ratio Lower Upper

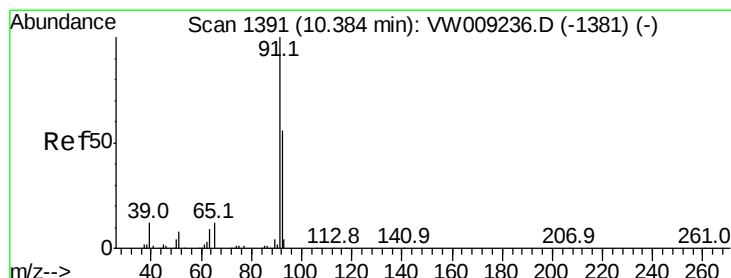
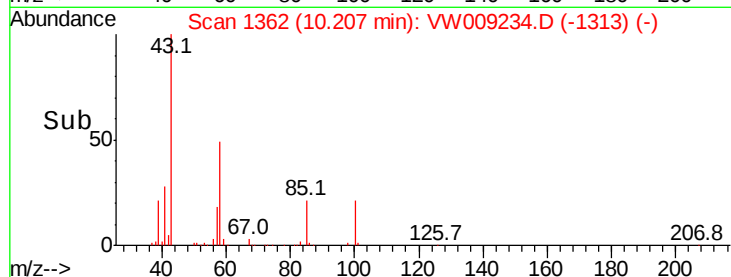
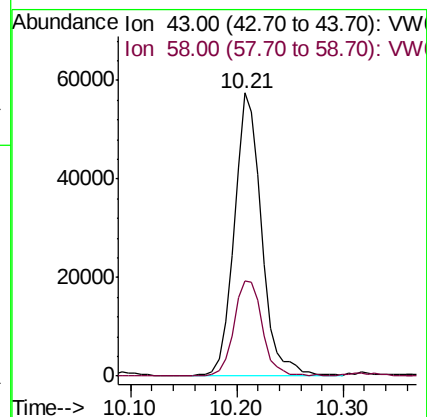
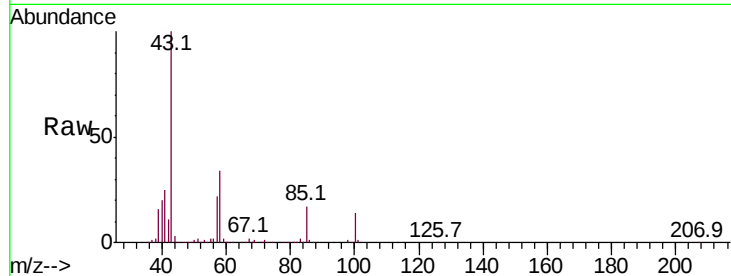
43 100

58 35.2 28.6 42.8

Manual Integrations
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#52

Toluene

Concen: 10.012 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009234.D

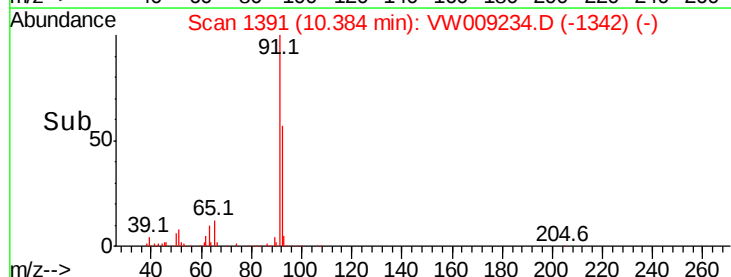
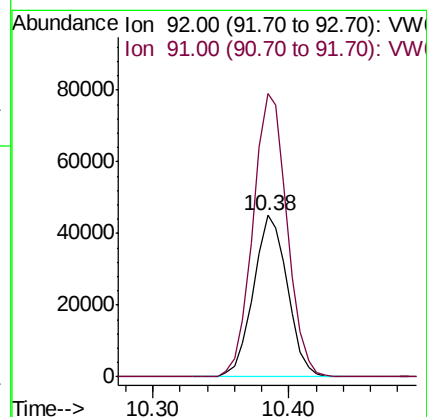
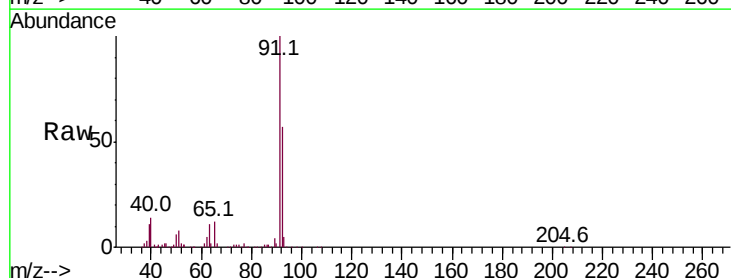
Acq: 19 Mar 2019 11:24

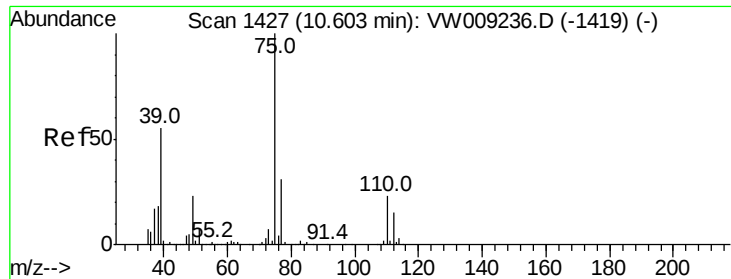
Tgt Ion: 92 Resp: 79195

Ion Ratio Lower Upper

92 100

91 175.6 140.1 210.1





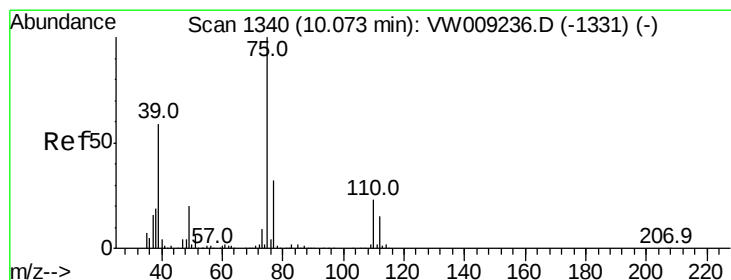
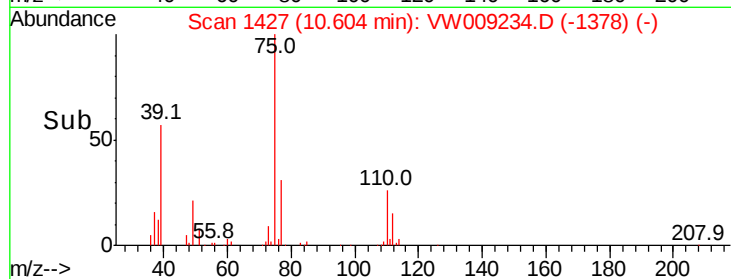
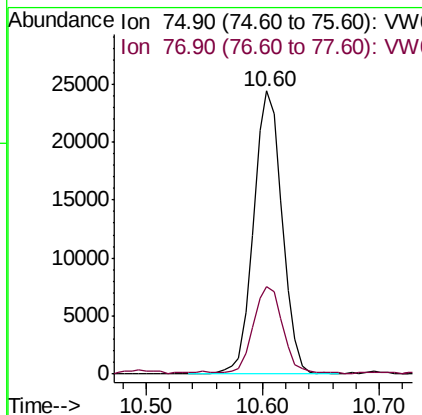
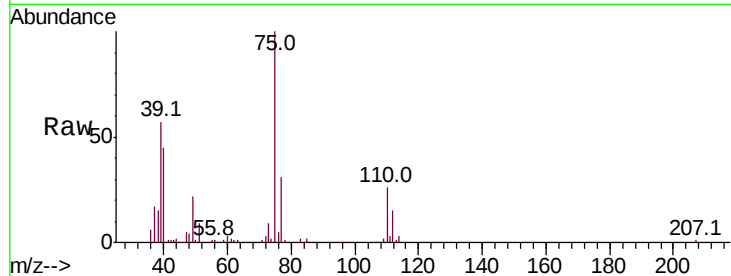
#53
t-1,3-Dichloropropene
Concen: 9.700 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 41713
Ion Ratio Lower Upper
75 100
77 30.3 24.8 37.2

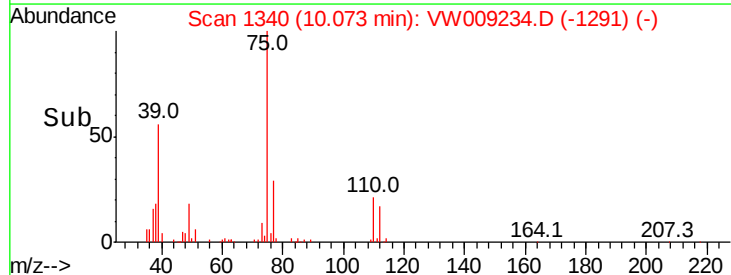
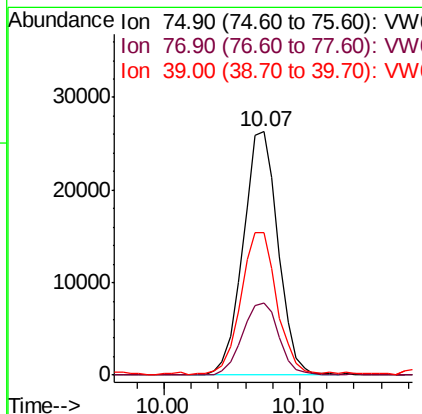
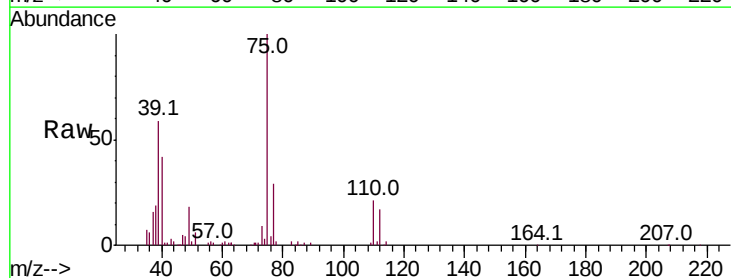
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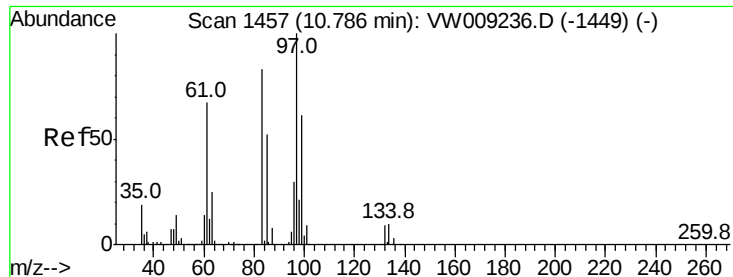
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#54
cis-1,3-Dichloropropene
Concen: 9.806 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 75 Resp: 47439
Ion Ratio Lower Upper
75 100
77 29.4 25.9 38.9
39 58.4 46.8 70.2





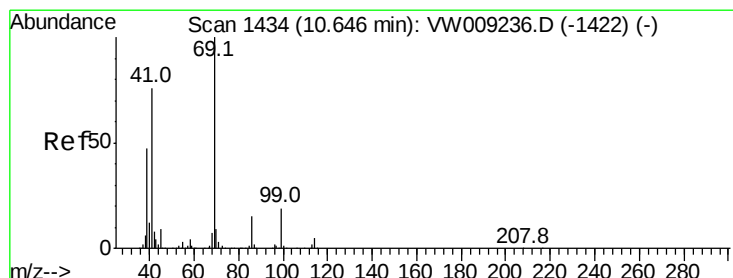
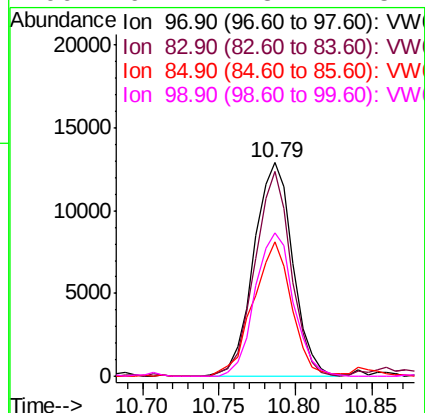
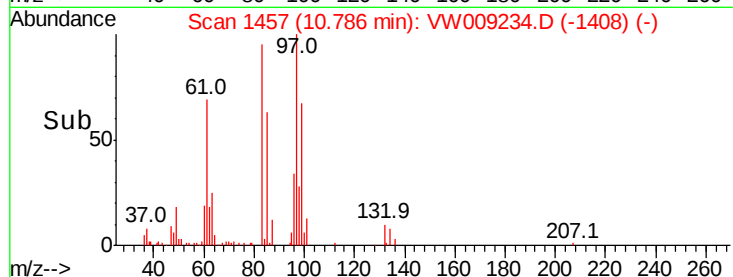
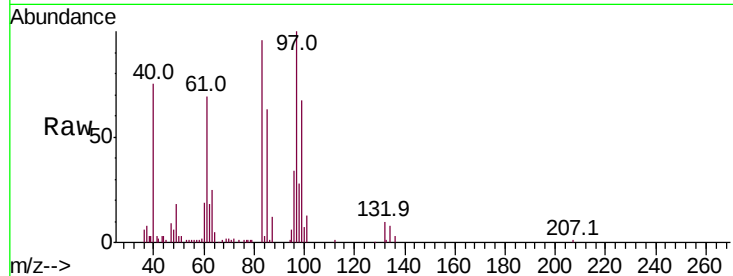
#55
 1,1,2-Trichloroethane
 Concen: 9.725 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	22979
Ion	Ratio	Lower	Upper
97	100		
83	96.1	66.3	99.5
85	63.2	41.4	62.2#
99	67.4	48.7	73.1

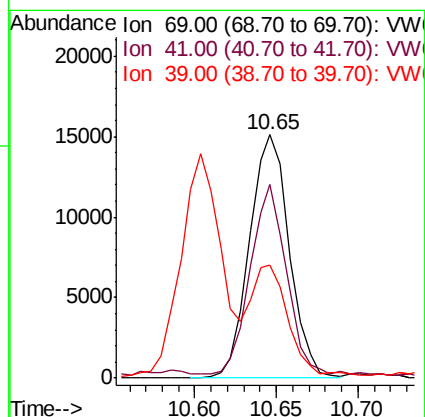
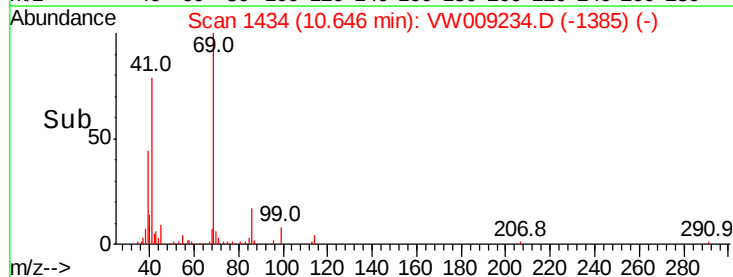
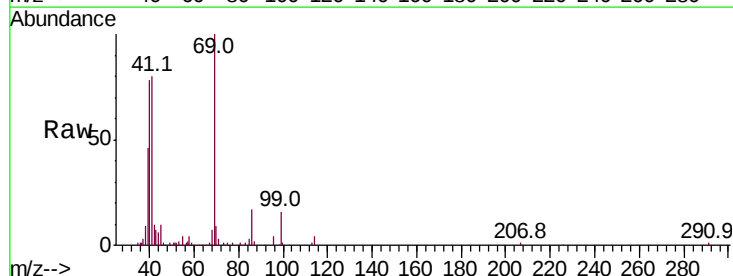
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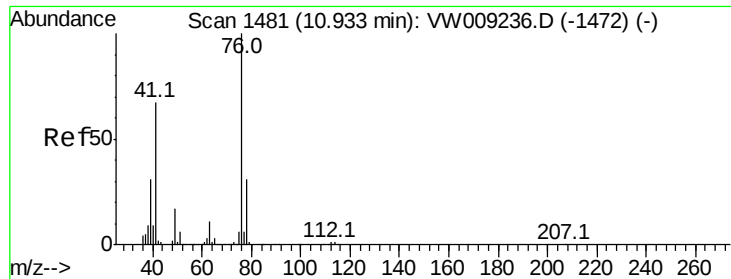
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#56
 Ethyl methacrylate
 Concen: 9.094 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion:	69	Resp:	25587
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.3	88.9
39	43.5	36.2	54.2





#57

1,3-Dichloropropane

Concen: 9.828 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

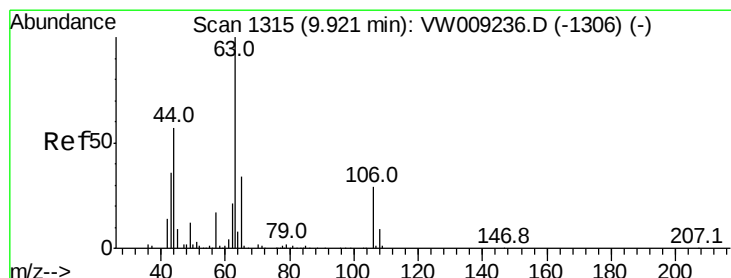
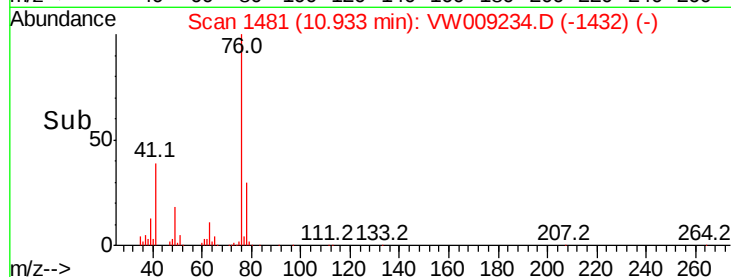
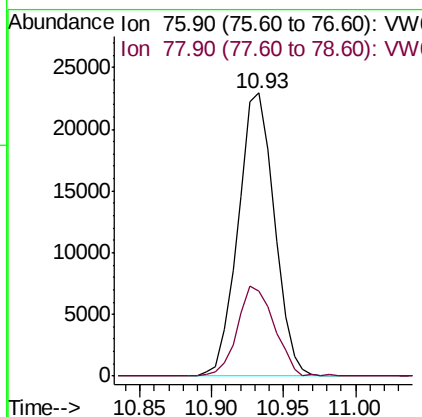
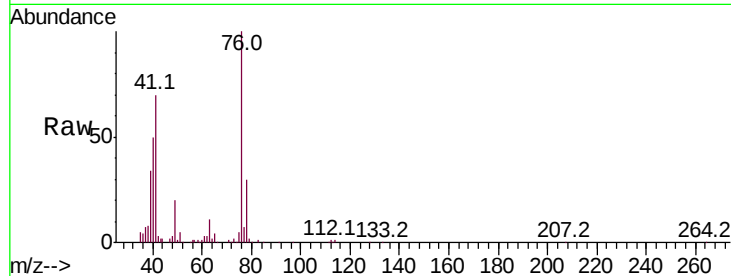
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 76 Resp: 40052

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 74.895 ug/l

RT: 9.93 min Scan# 1316

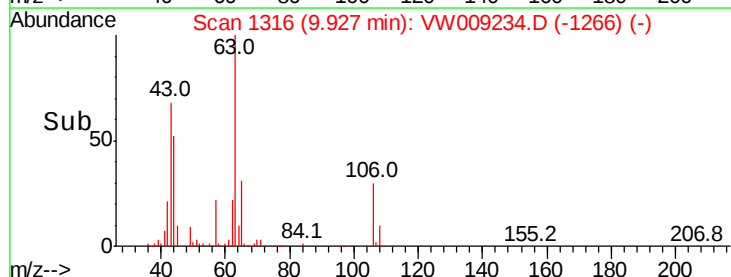
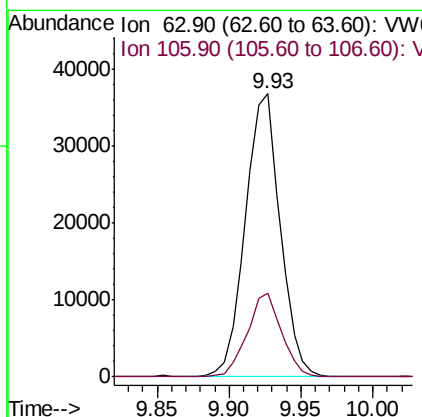
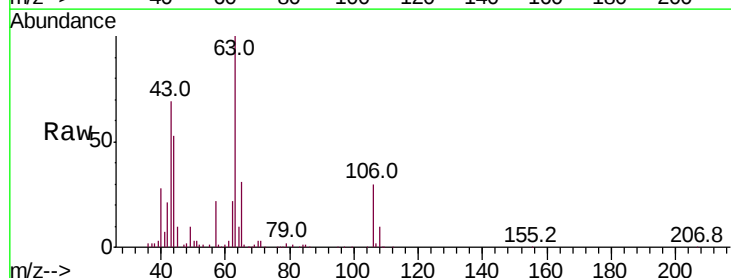
Delta R.T. 0.01 min

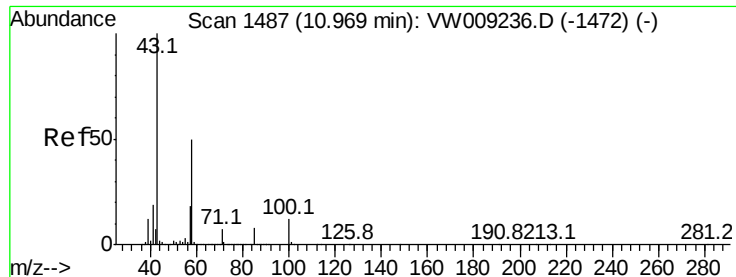
Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion: 63 Resp: 61658

Ion	Ratio	Lower	Upper
63	100		
106	29.0	22.9	34.3





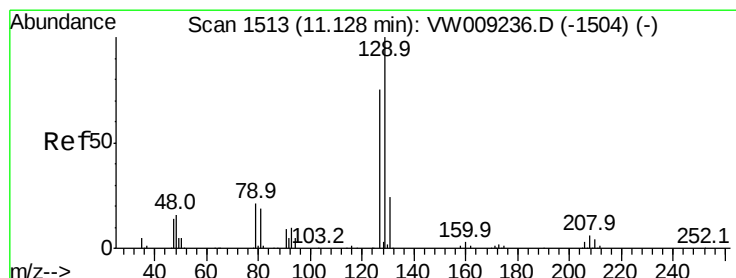
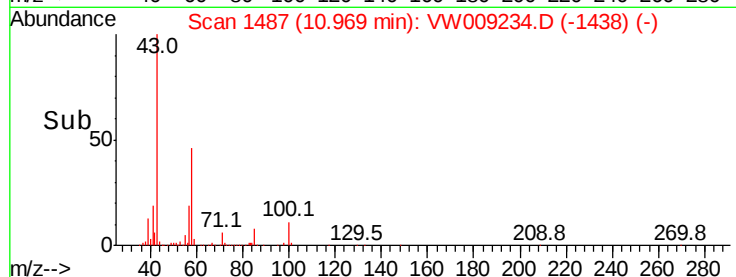
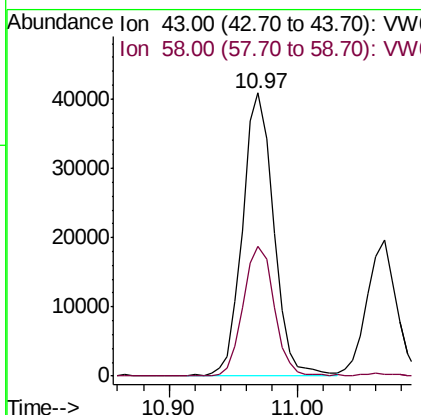
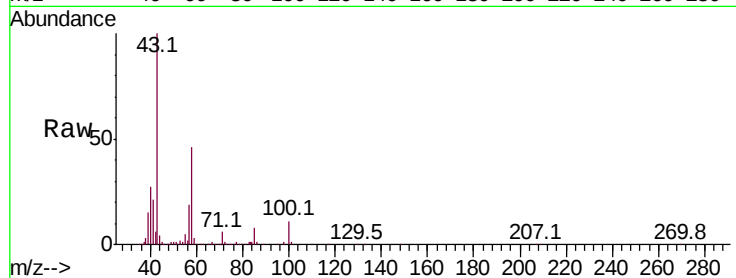
#59
2-Hexanone
Concen: 46.028 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.5	24.2	72.6

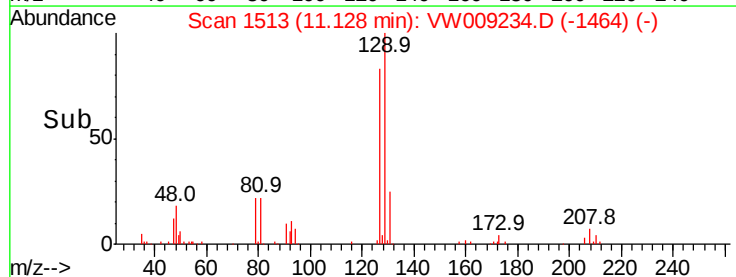
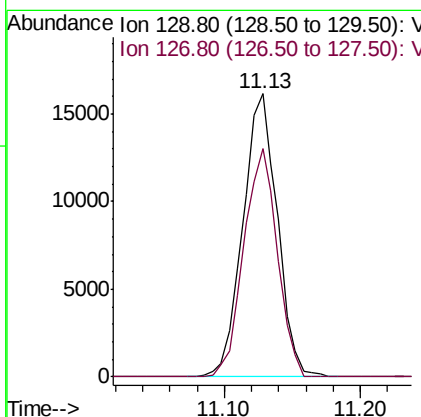
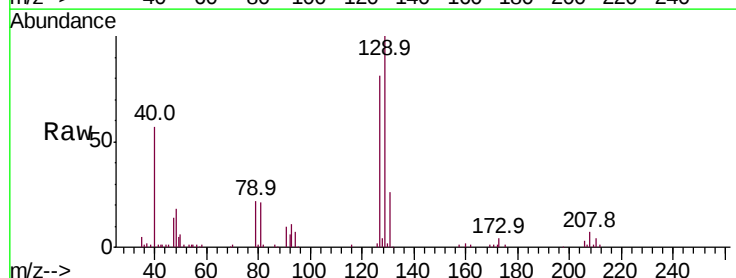
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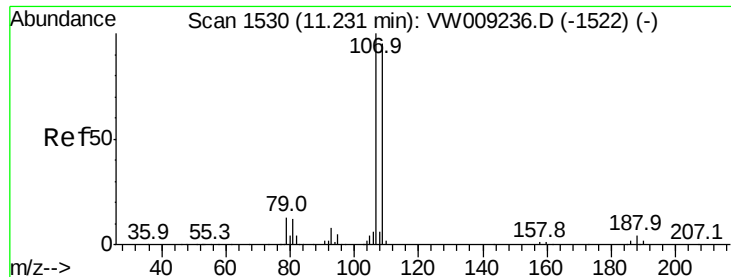
MMDadoda
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#60
Dibromochloromethane
Concen: 9.812 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.1	114.5





#61

1,2-Dibromoethane

Concen: 10.072 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 22668

Ion Ratio Lower Upper

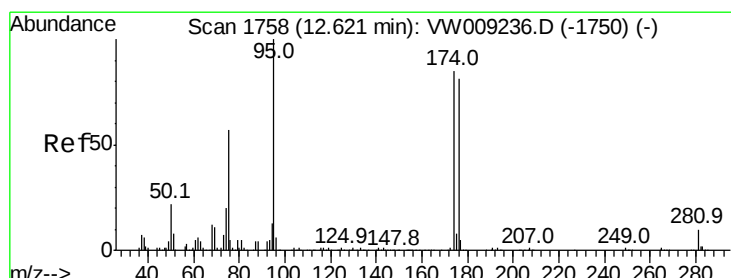
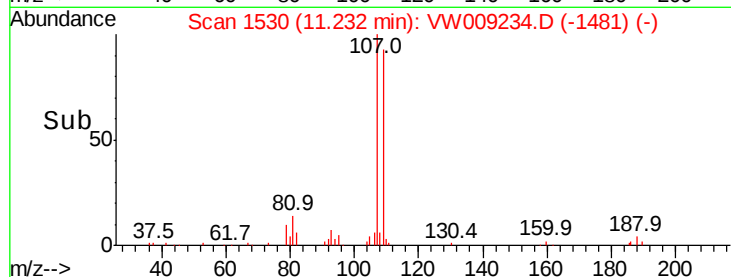
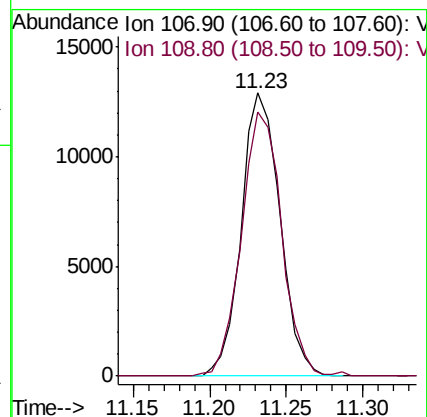
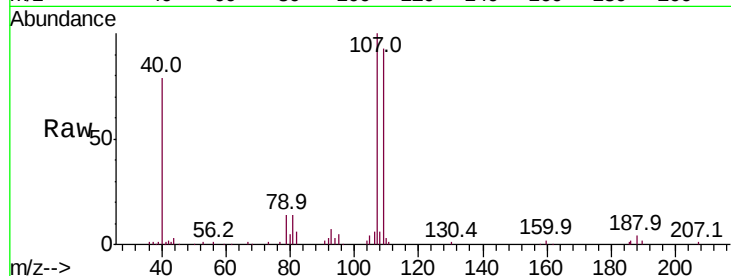
107 100

109 97.2 75.1 112.7

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#62

4-Bromofluorobenzene

Concen: 9.779 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

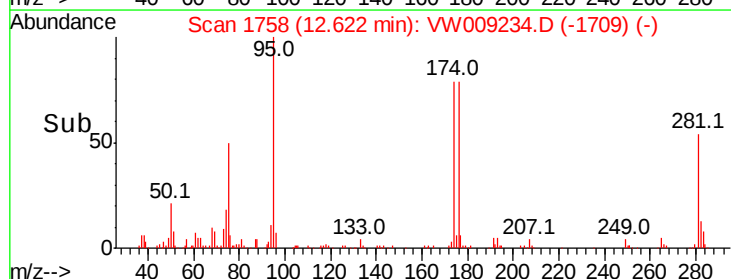
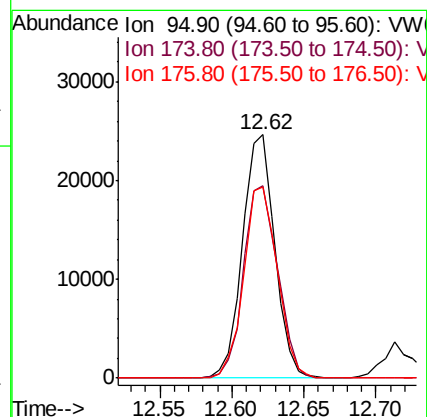
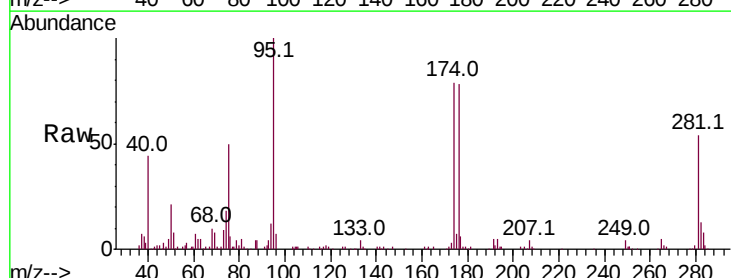
Tgt Ion: 95 Resp: 38291

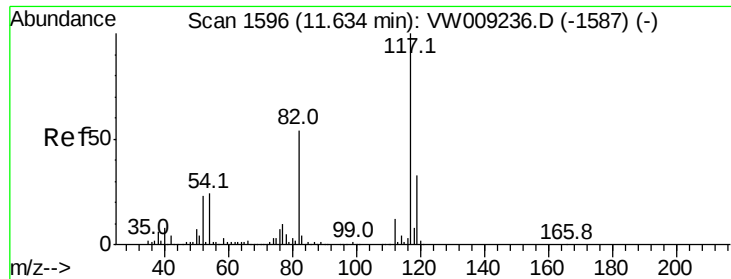
Ion Ratio Lower Upper

95 100

174 83.5 0.0 168.4

176 81.8 0.0 161.6





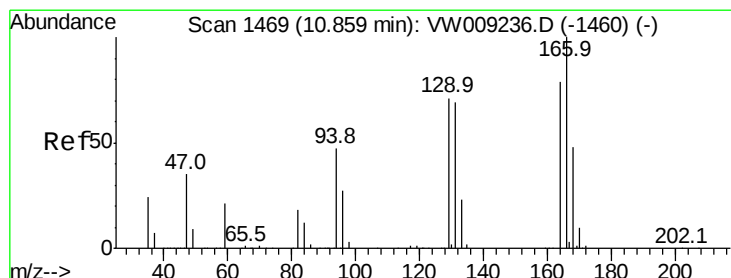
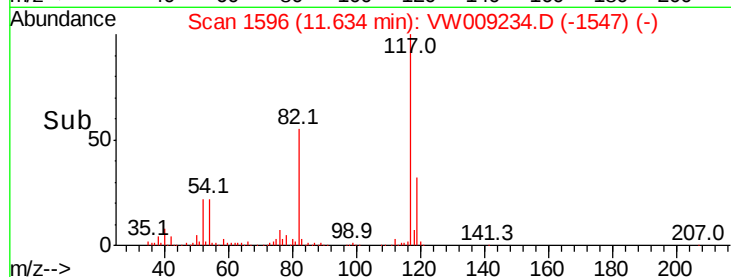
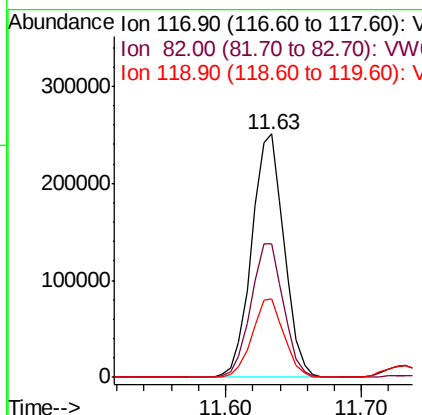
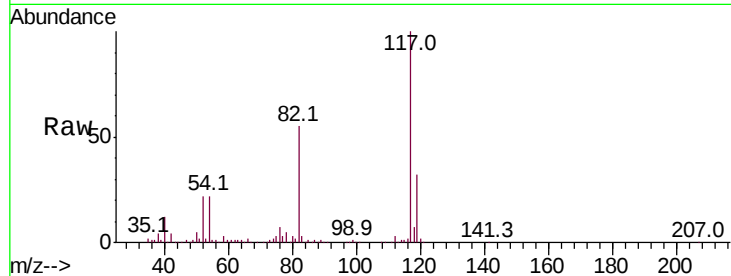
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	419483		
82	55.0		43.6	65.4
119	32.3		26.0	39.0

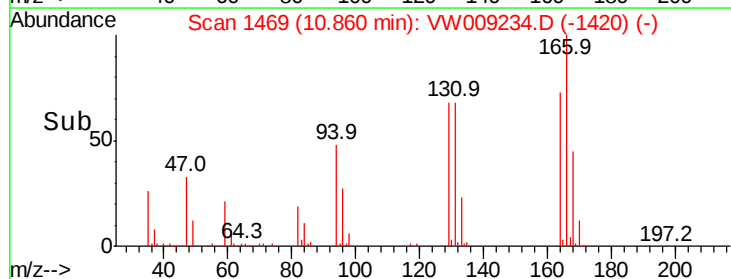
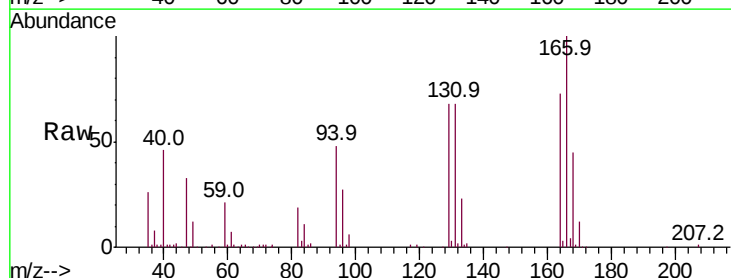
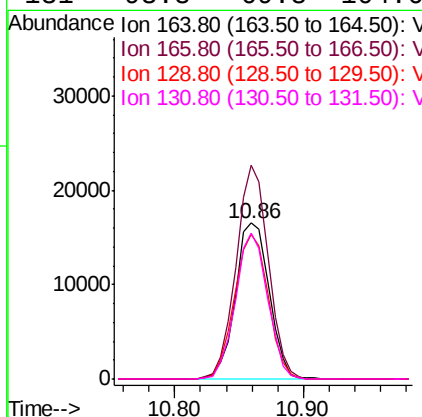
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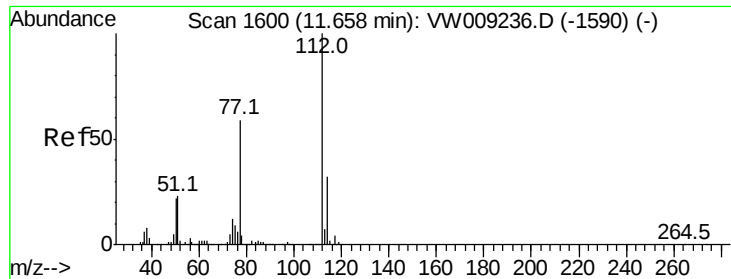
MMDadoda
3/22/2019 3:52:57 AM



#64
Tetrachloroethene
Concen: 10.436 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29980		
166	137.3		100.9	151.3
129	93.4		72.0	108.0
131	93.8		69.8	104.6





#65

Chlorobenzene

Concen: 10.356 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 89846

Ion Ratio Lower Upper

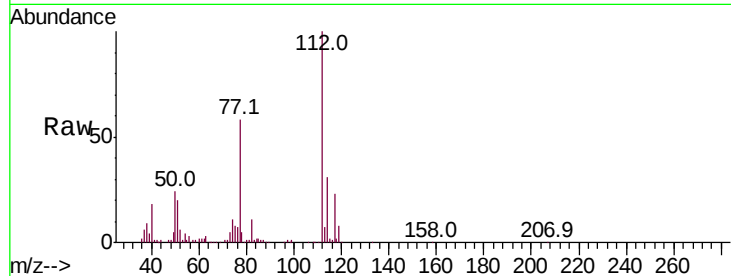
112 100

114 30.9 25.6 38.4

Manual Integrations
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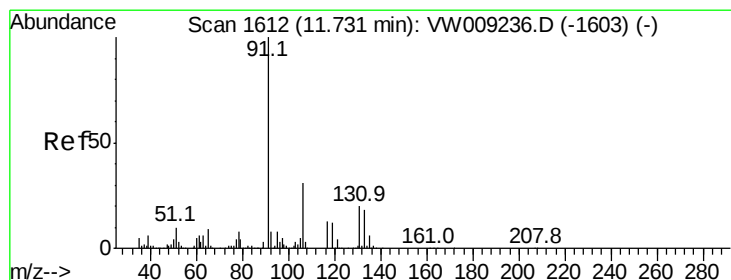
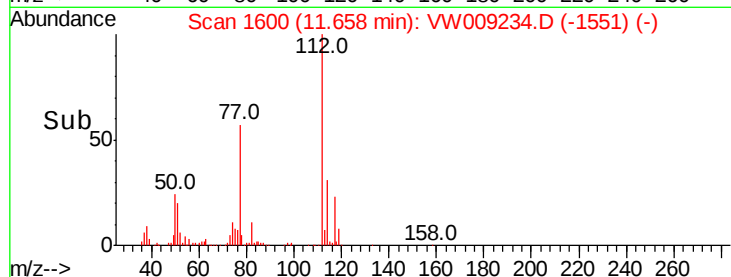
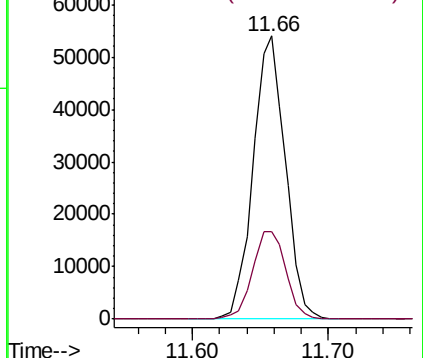
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.455 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

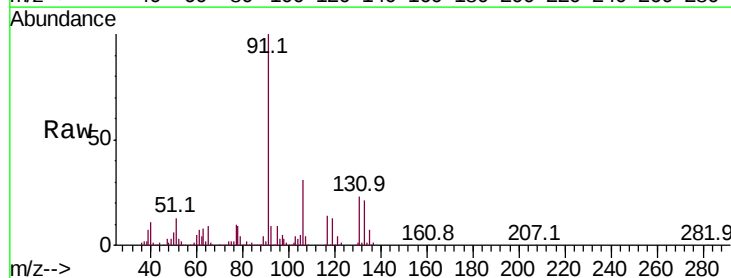
Tgt Ion:131 Resp: 33878

Ion Ratio Lower Upper

131 100

133 91.2 47.3 141.8

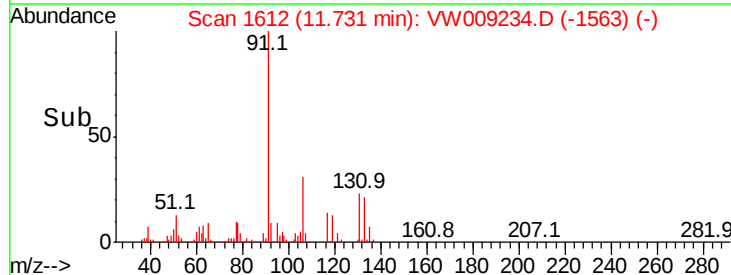
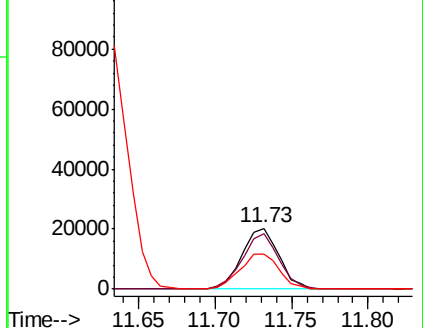
119 62.1 31.6 95.0

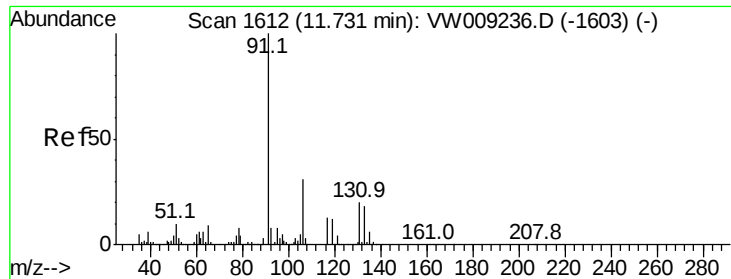


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





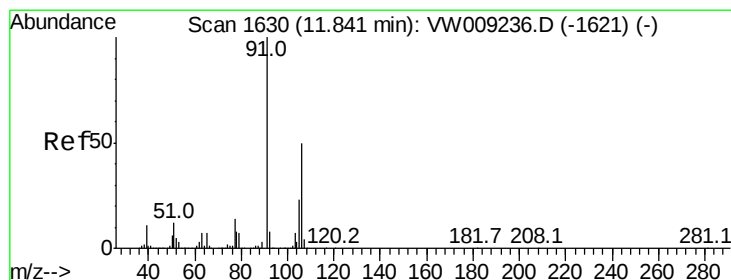
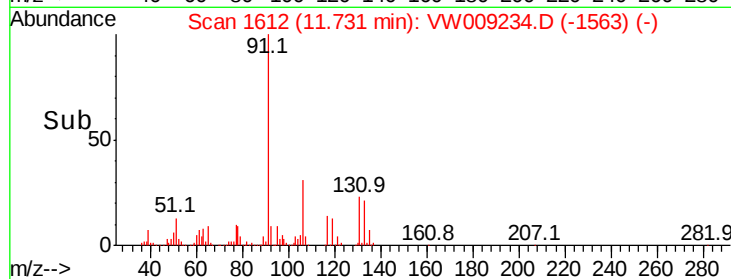
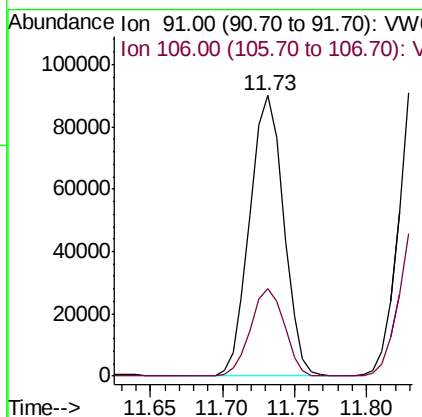
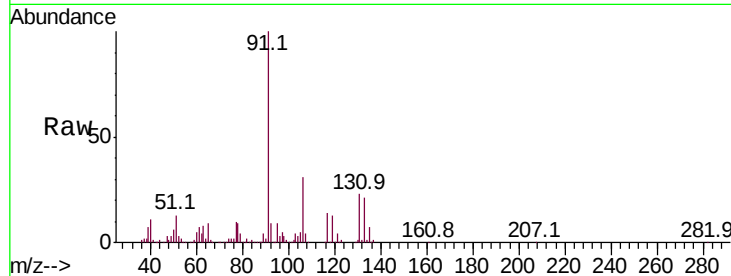
#67
Ethyl Benzene
Concen: 9.810 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 147414
Ion Ratio Lower Upper
91 100
106 31.1 24.6 36.8

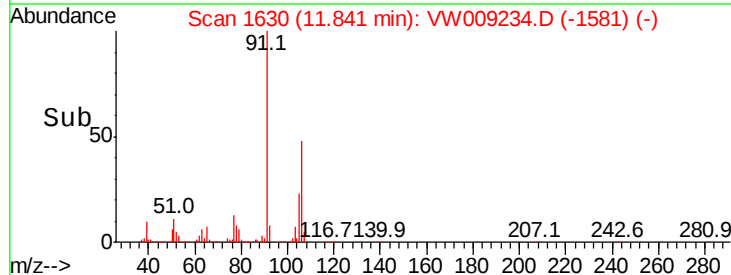
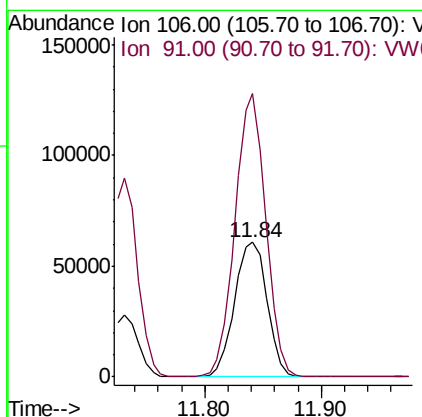
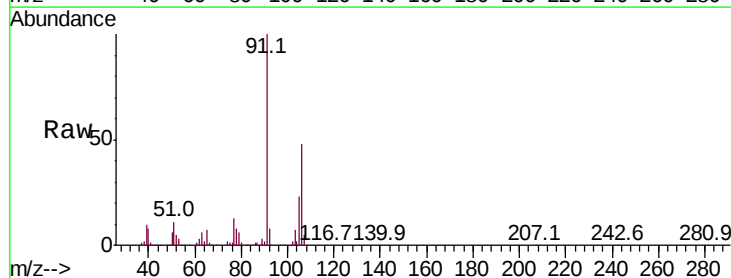
Manual Integrations
APPROVED

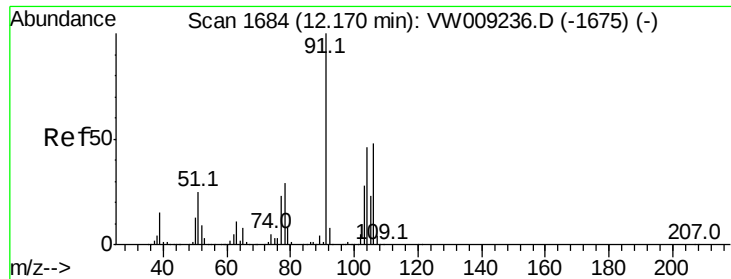
MMDadoda
3/22/2019 3:52:57 AM



#68
m/p-Xylenes
Concen: 20.455 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion: 106 Resp: 119134
Ion Ratio Lower Upper
106 100
91 197.8 163.1 244.7





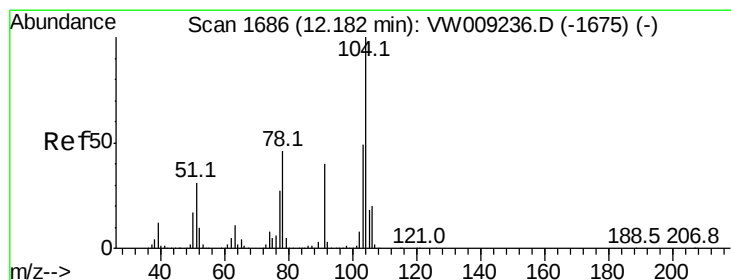
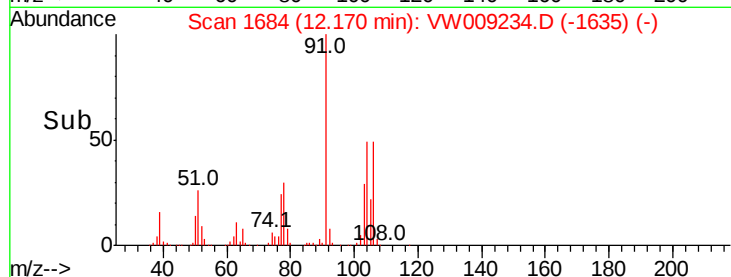
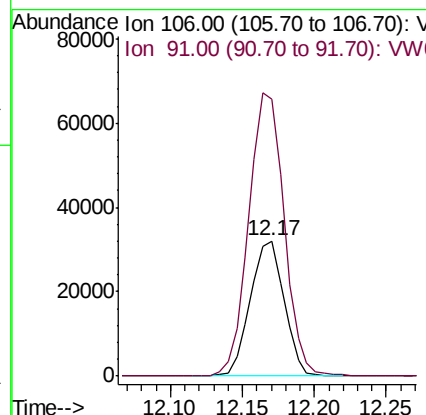
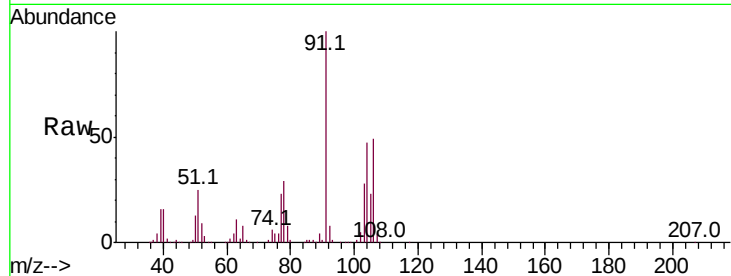
#69
o-Xylene
Concen: 9.630 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 52084
Ion Ratio Lower Upper
106 100
91 219.5 108.6 325.8

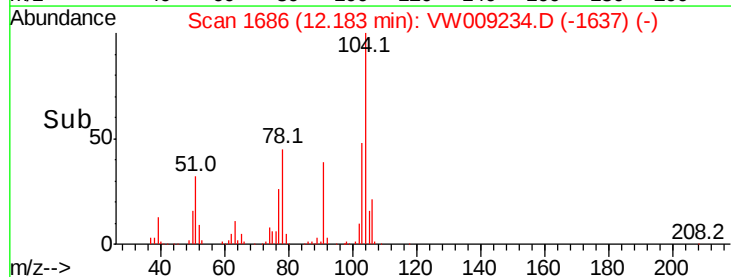
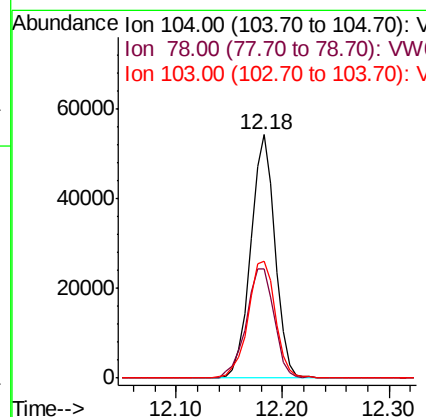
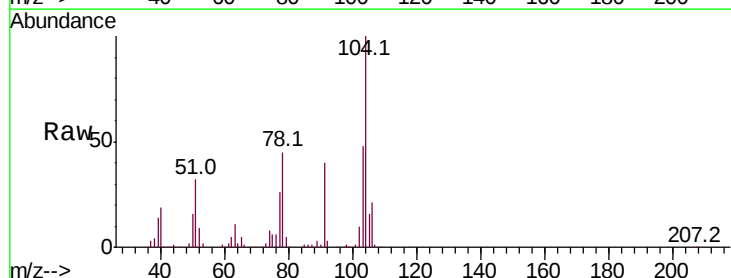
Manual Integrations
APPROVED

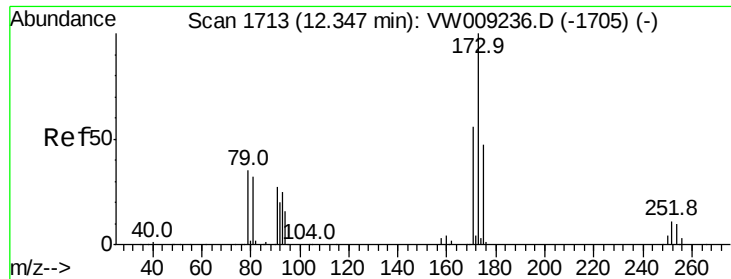
MMDadoda
3/22/2019 3:52:57 AM



#70
Styrene
Concen: 9.761 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion:104 Resp: 87038
Ion Ratio Lower Upper
104 100
78 52.3 42.2 63.4
103 54.4 44.6 66.8





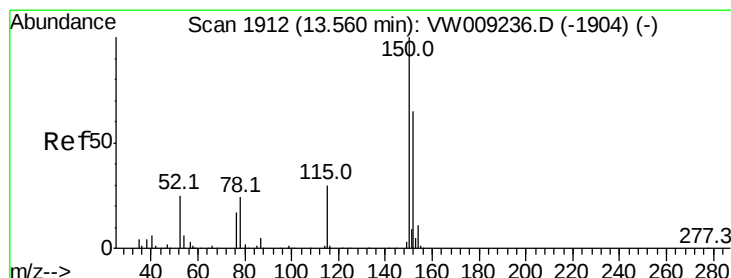
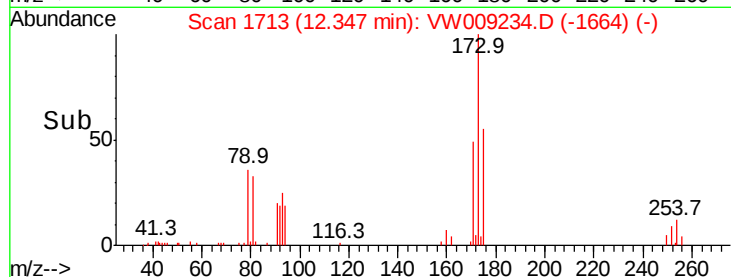
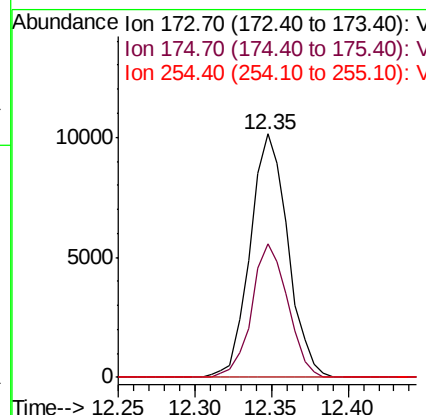
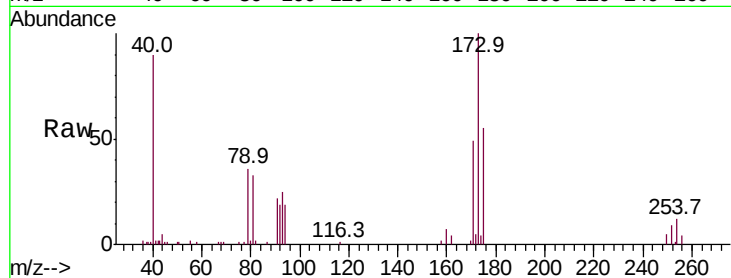
#71
Bromoform
Concen: 9.823 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.2	24.1	72.4
254	0.0	0.2	0.4

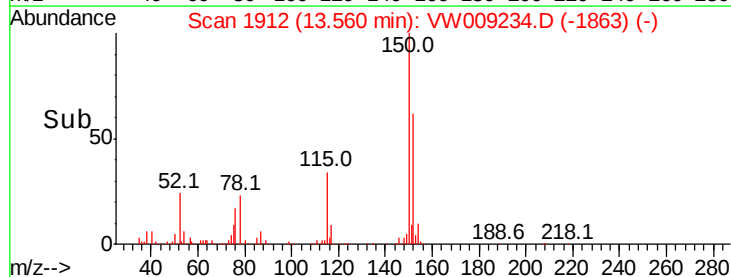
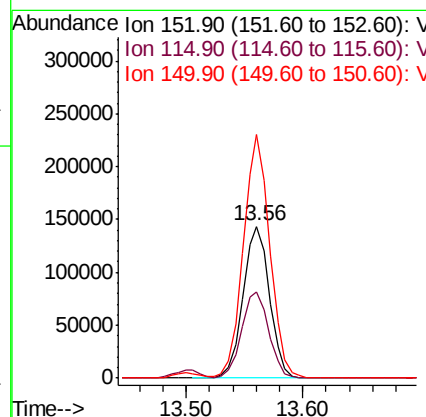
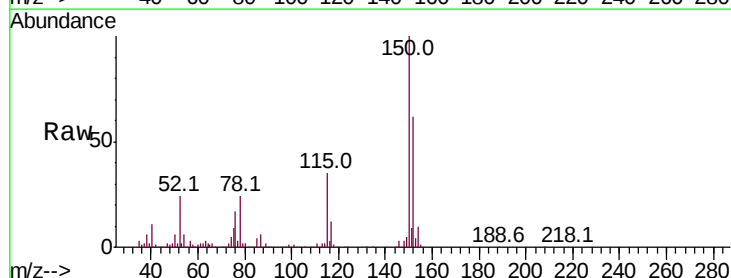
Manual Integrations
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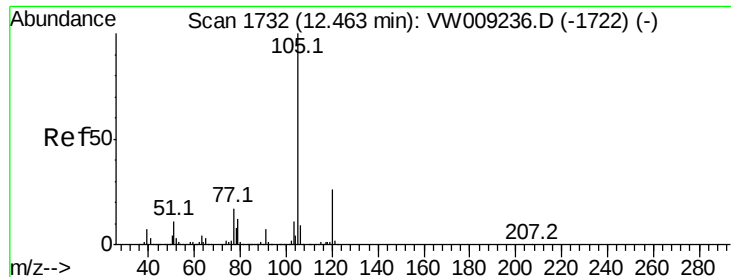
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.6	88.8
150	159.6	0.0	349.2





#73

Isopropylbenzene

Concen: 9.605 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 145849

Ion Ratio Lower Upper

105 100

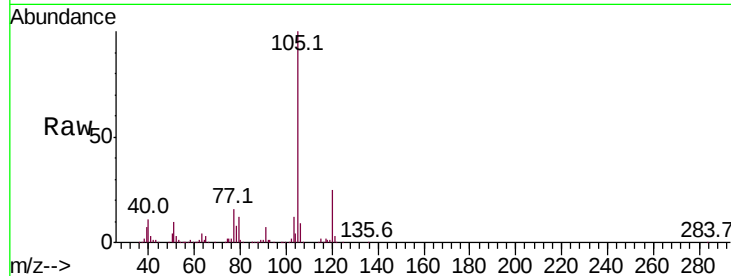
120 26.6 13.0 39.0

Manual Integrations

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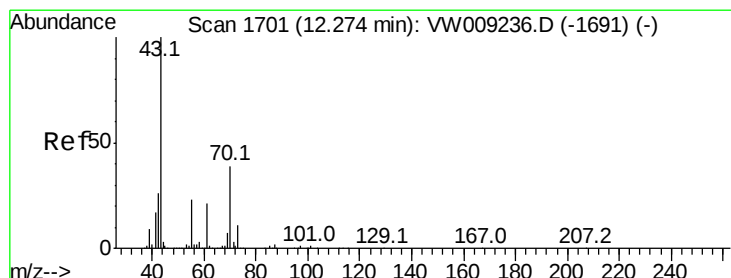
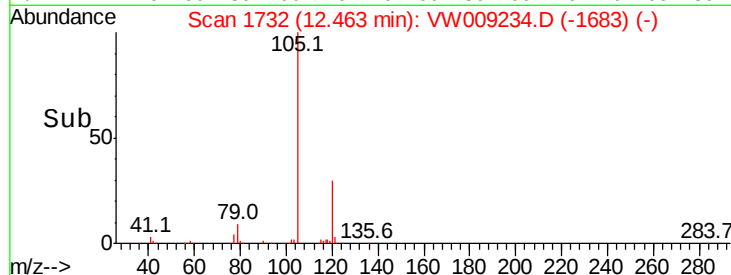
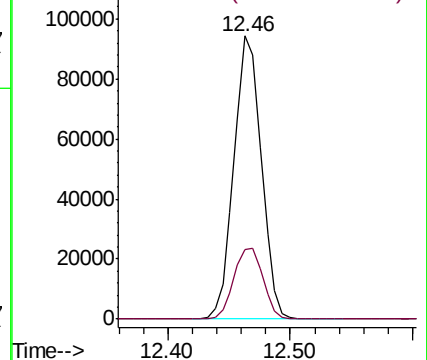
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.327 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion: 43 Resp: 36945

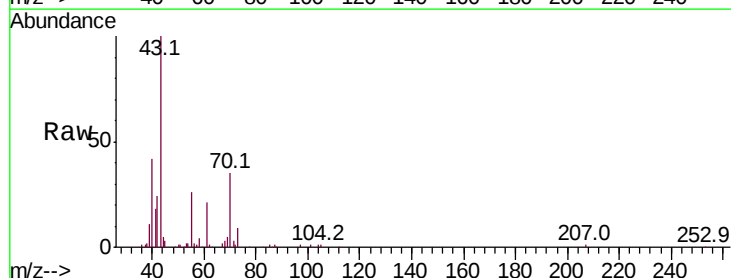
Ion Ratio Lower Upper

43 100

70 38.7 30.6 46.0

55 26.5 19.3 28.9

61 21.8 17.0 25.4

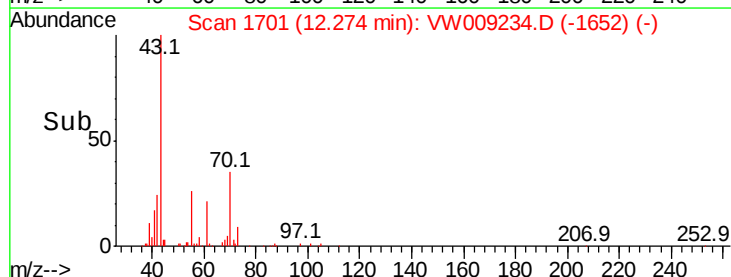
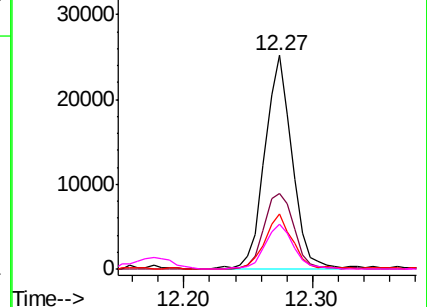


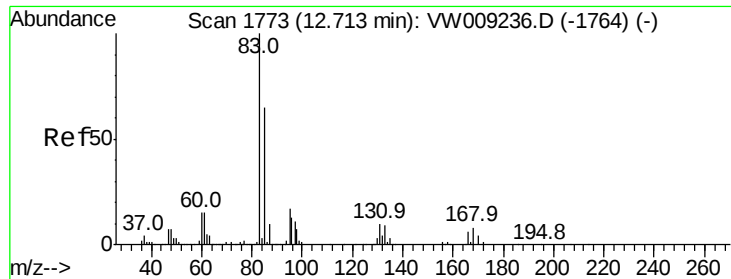
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 10.199 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 28970
Ion Ratio Lower Upper

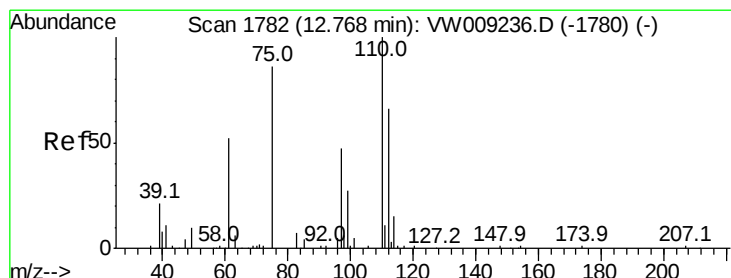
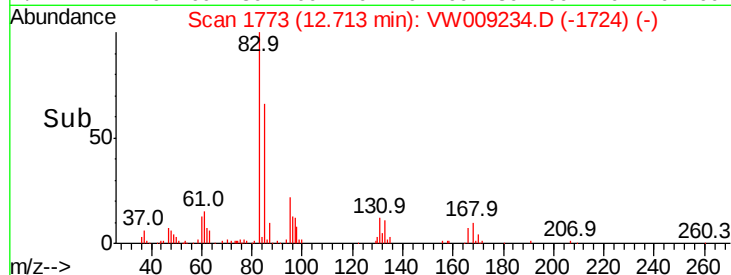
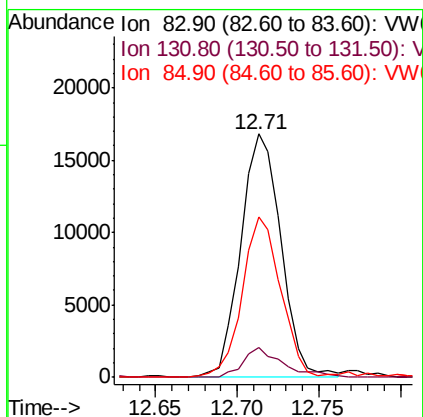
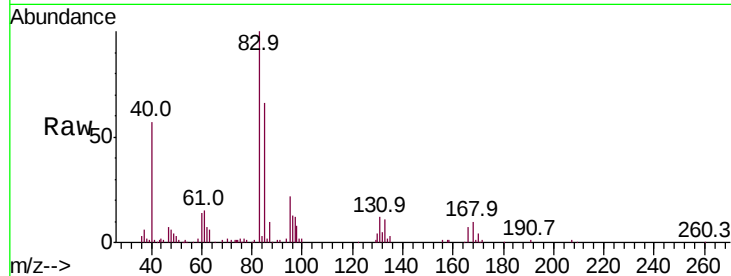
83 100

131 12.0 5.3 16.1

85 62.6 32.6 97.8

Manual Integrations
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3/22/2019 3:52:57 AM



#76

1,2,3-Trichloropropane

Concen: 10.444 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

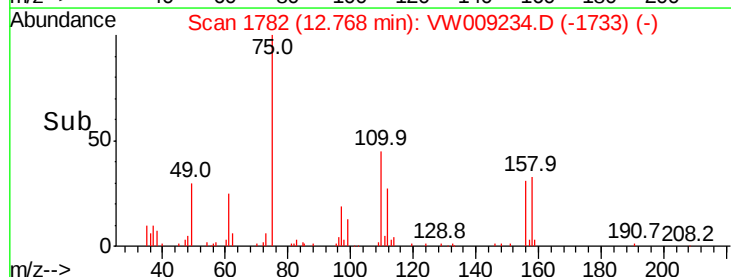
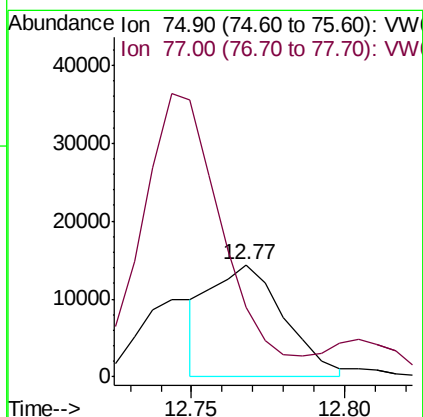
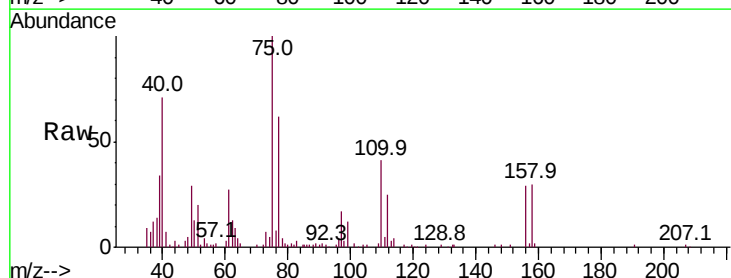
Lab File: VW009234.D

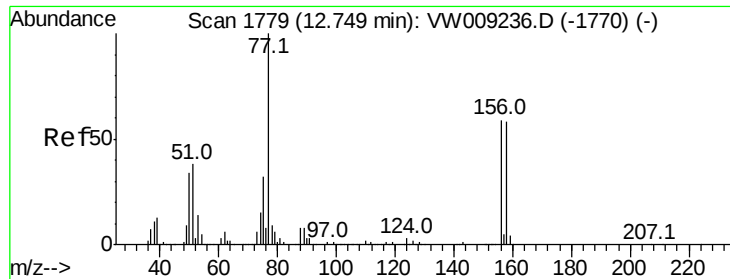
Acq: 19 Mar 2019 11:24

Tgt Ion: 75 Resp: 23990
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





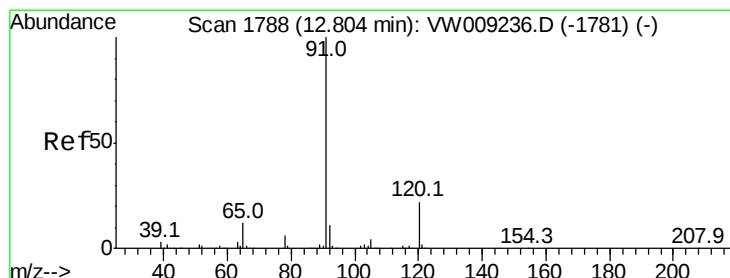
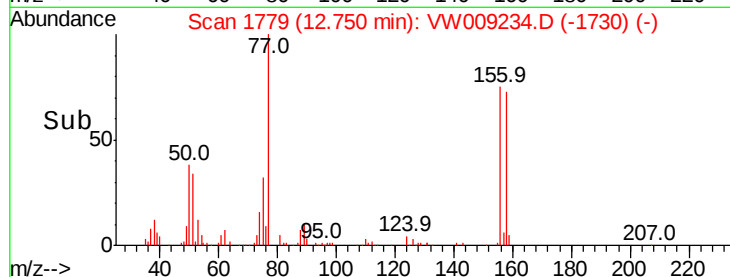
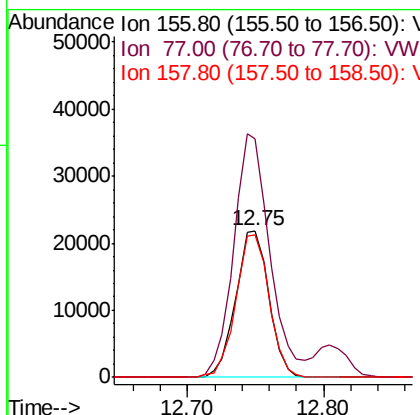
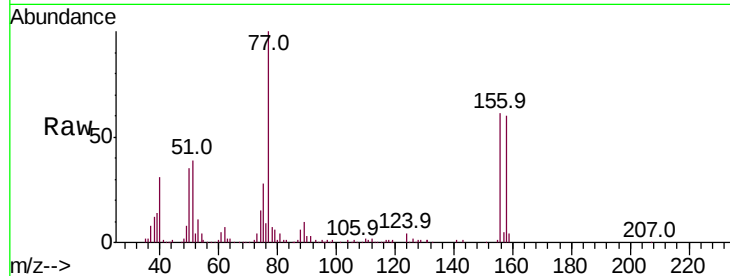
#77
Bromobenzene
Concen: 10.353 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.9	96.0	288.0
158	97.4	49.1	147.3

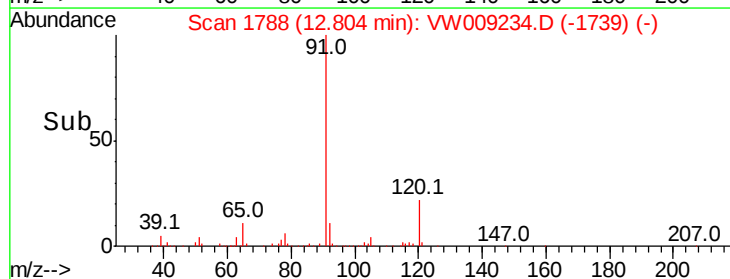
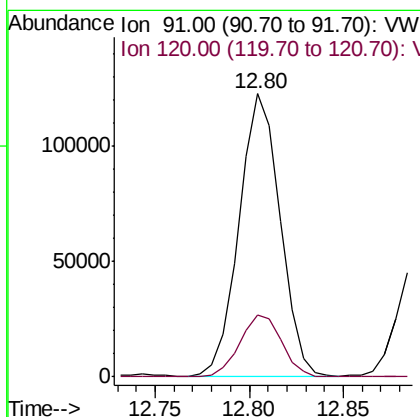
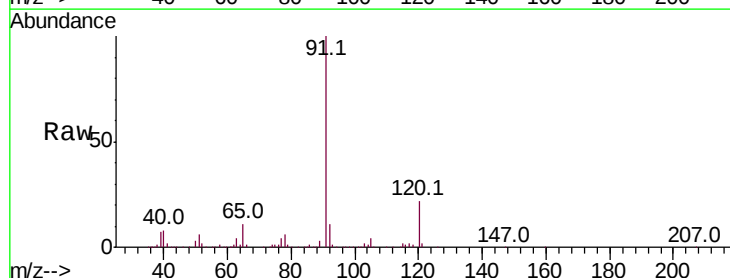
Manual Integrations
APPROVED

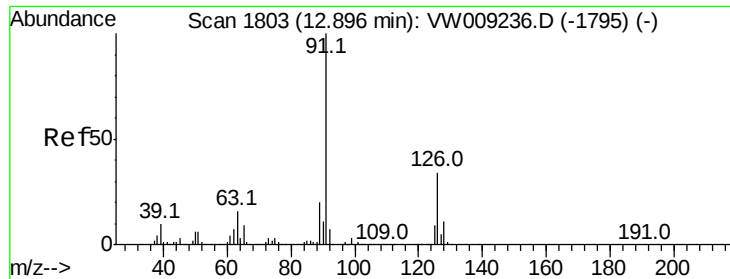
MMDadoda
3/22/2019 3:52:57 AM



#78
n-propylbenzene
Concen: 9.926 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.3





#79

2-Chlorotoluene

Concen: 10.070 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 106681

Ion Ratio Lower Upper

91 100

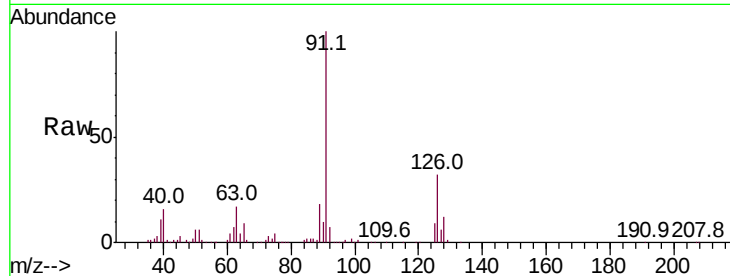
126 33.5 17.0 51.0

Manual Integrations

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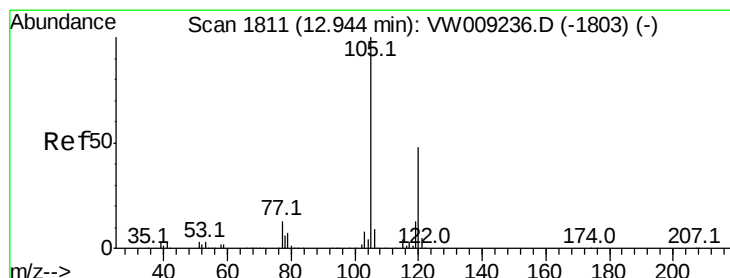
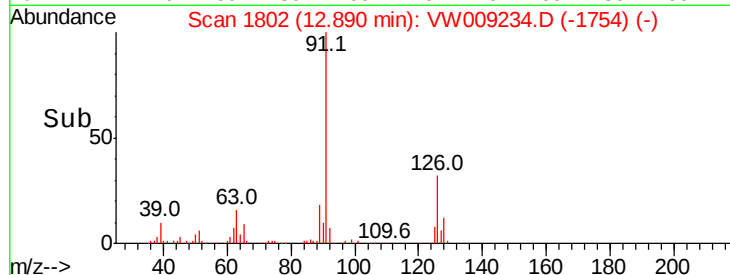
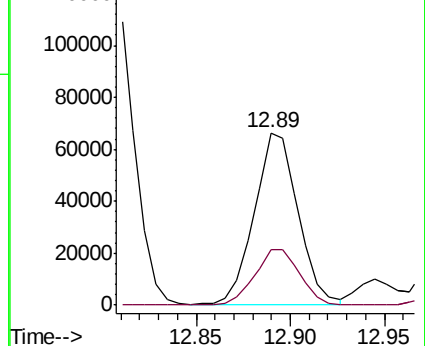
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.836 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009234.D

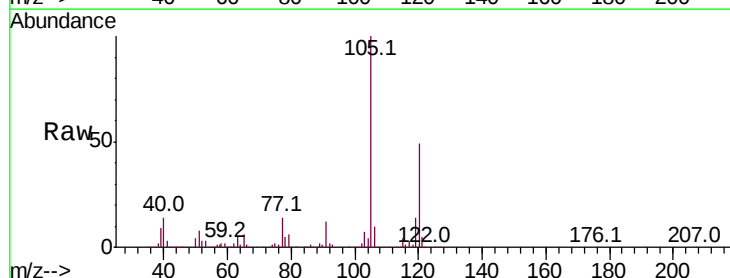
Acq: 19 Mar 2019 11:24

Tgt Ion: 105 Resp: 127010

Ion Ratio Lower Upper

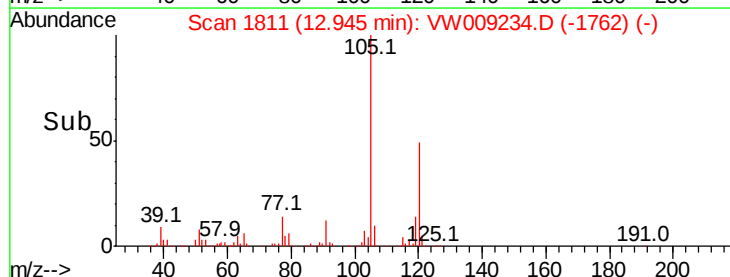
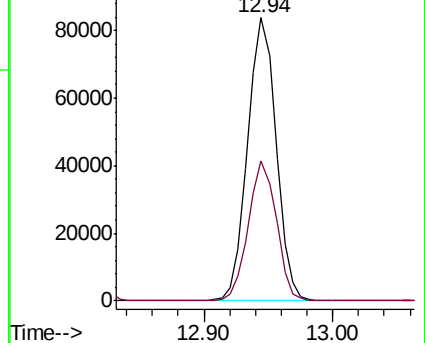
105 100

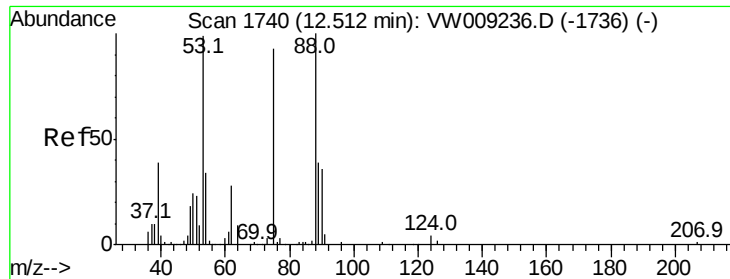
120 48.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





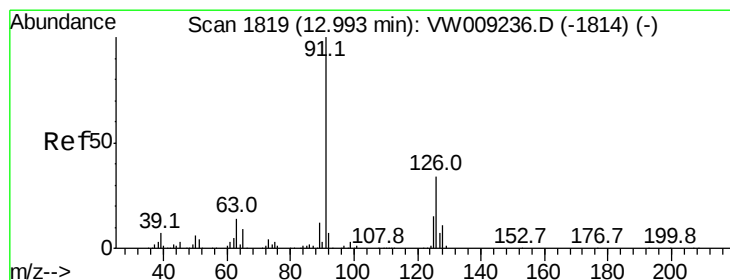
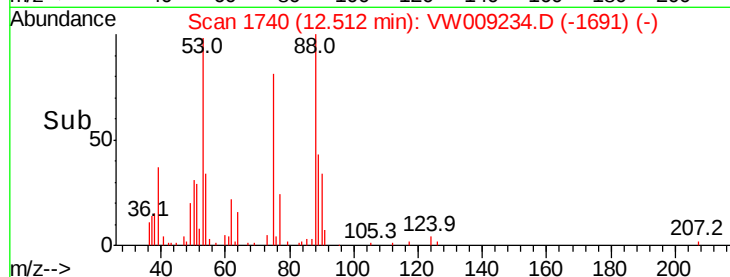
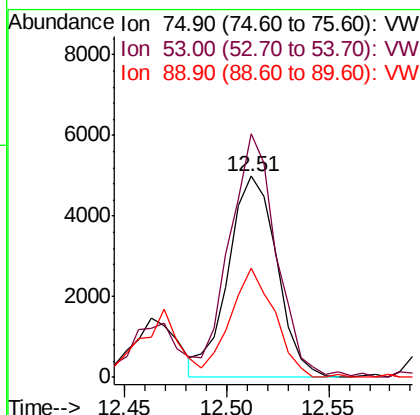
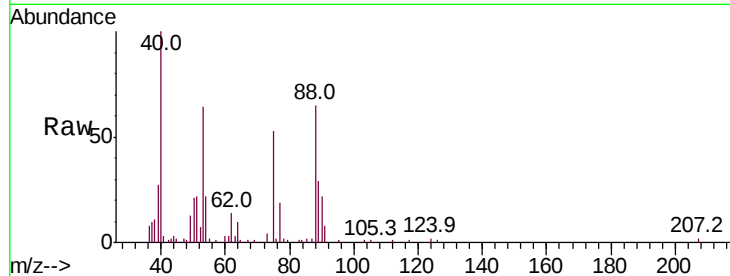
#81
trans-1,4-Dichloro-2-butene
Concen: 9.505 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.2	86.7	130.1
89	49.1	36.4	54.6

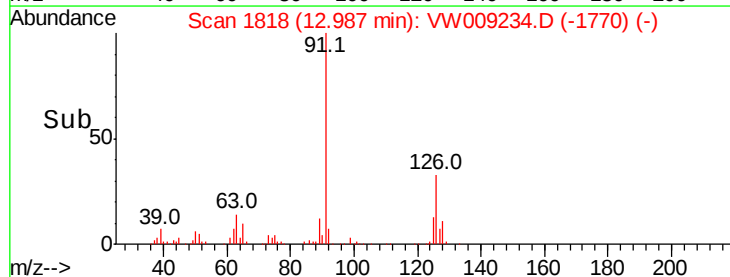
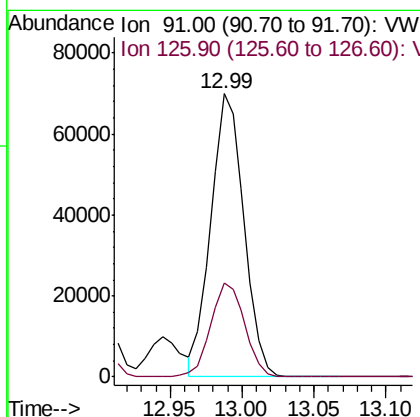
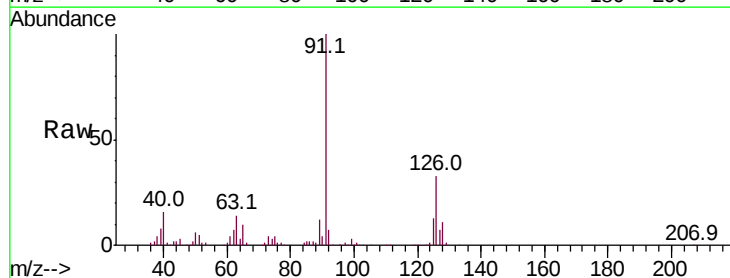
Manual Integrations
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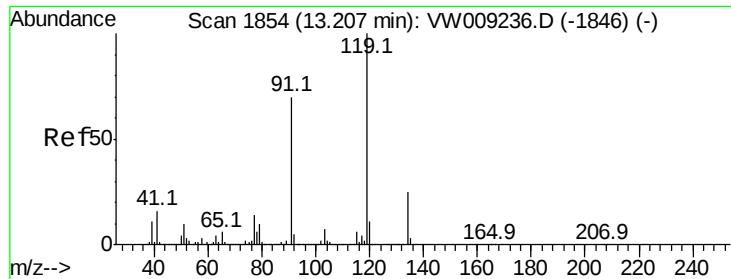
MMDadoda
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#82
4-Chlorotoluene
Concen: 10.022 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.6





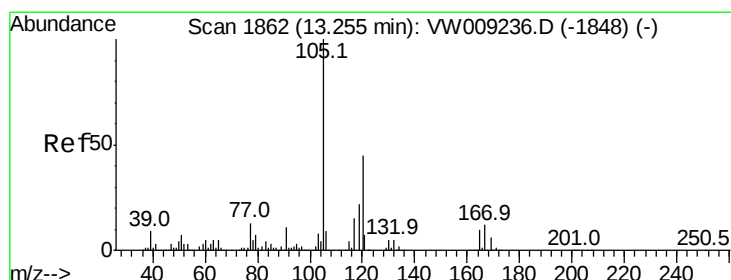
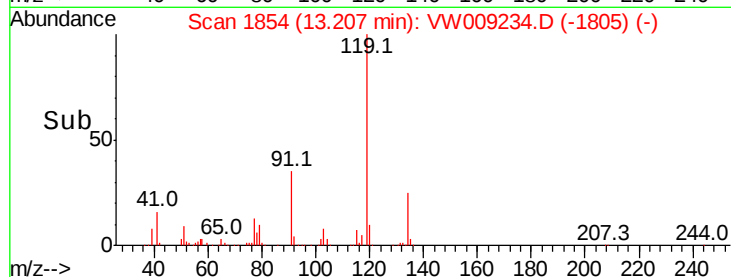
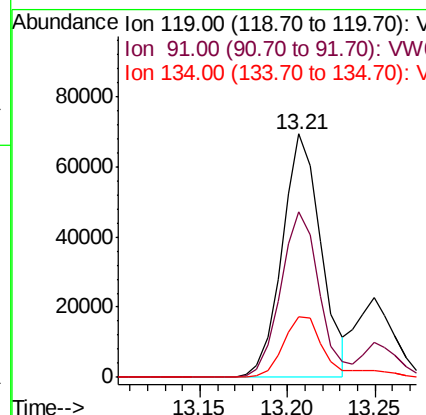
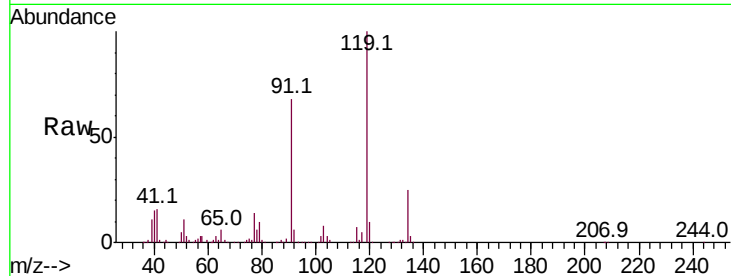
#83
 tert-Butylbenzene
 Concen: 9.754 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.4	103.2
134	25.4	12.7	38.1

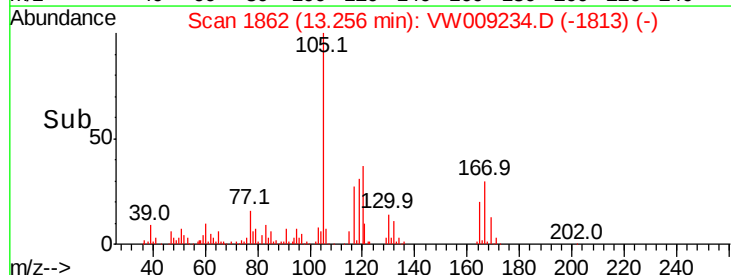
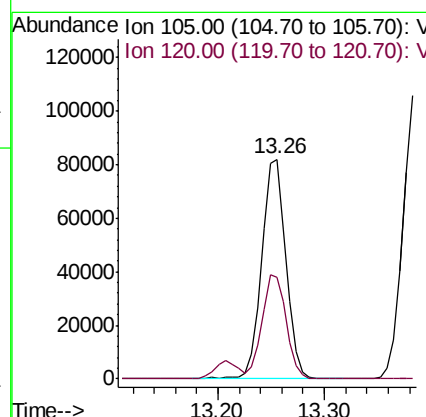
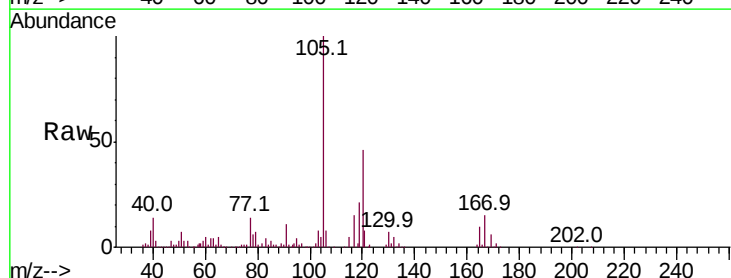
Manual Integrations
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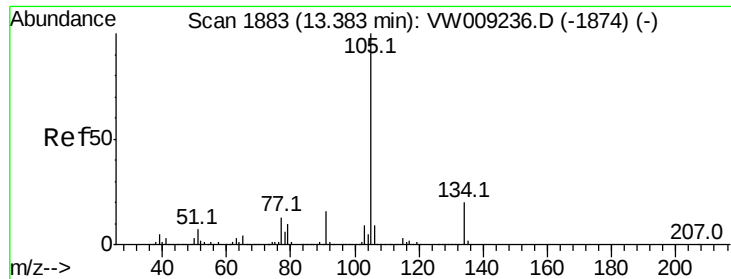
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.895 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	22.8	68.3





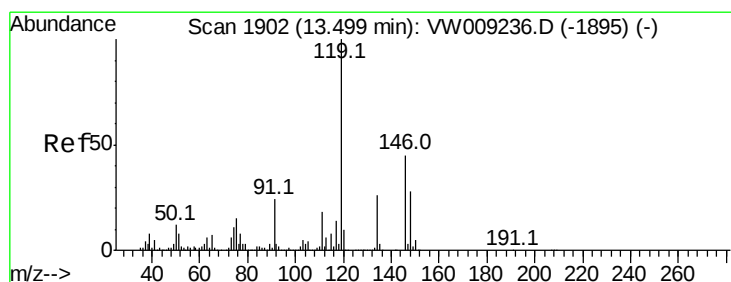
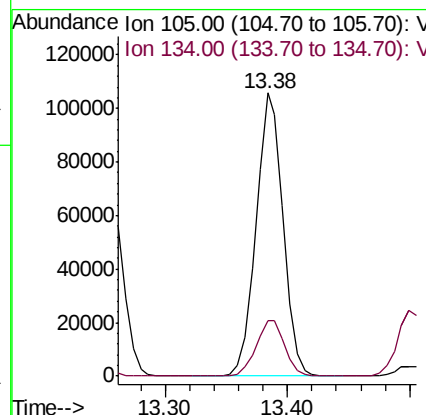
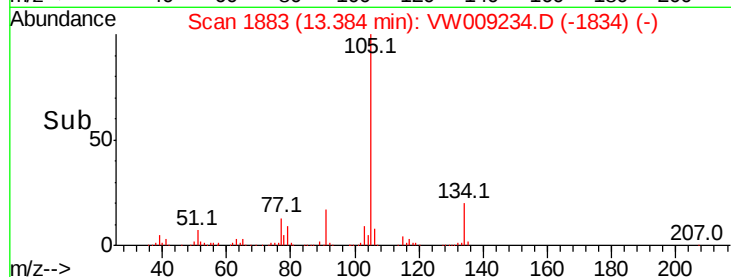
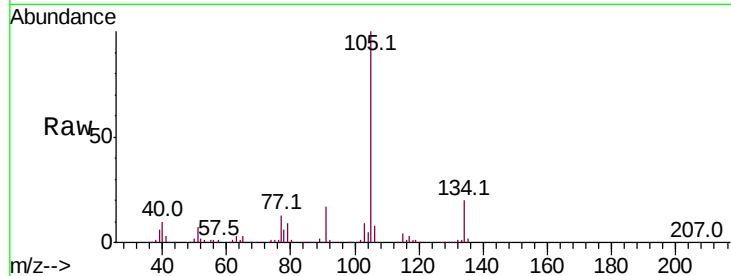
#85
 sec-Butylbenzene
 Concen: 9.925 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.2	30.6

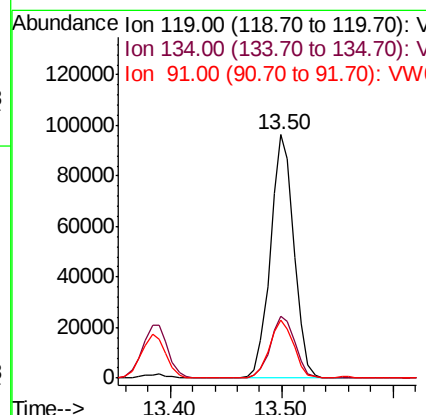
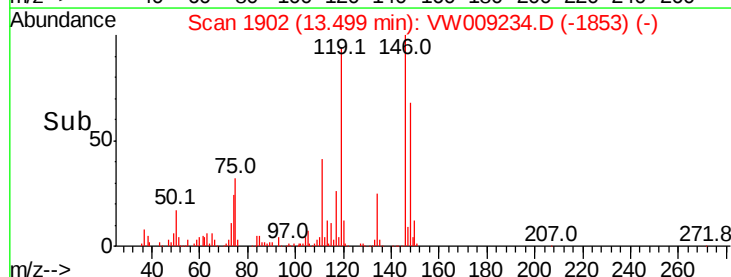
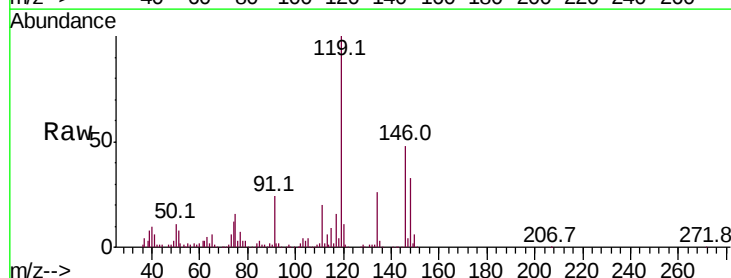
Manual Integrations
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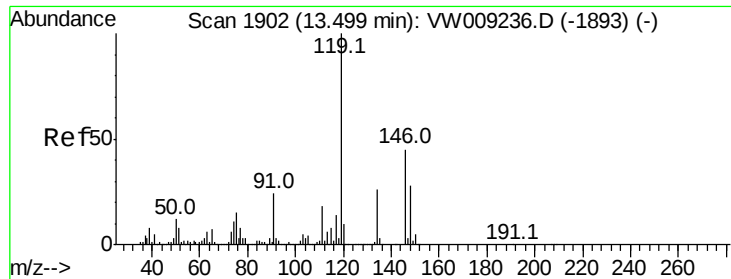
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#86
 p-Isopropyltoluene
 Concen: 9.779 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009234.D
 Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.1	39.3
91	24.1	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 10.282 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

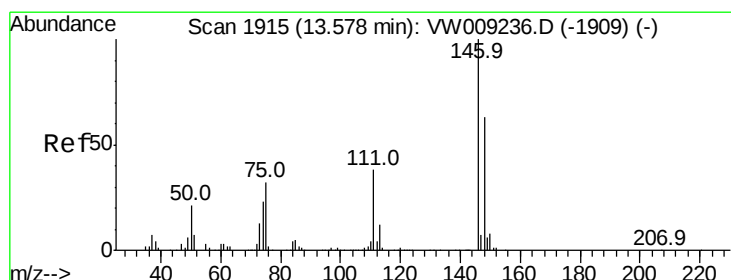
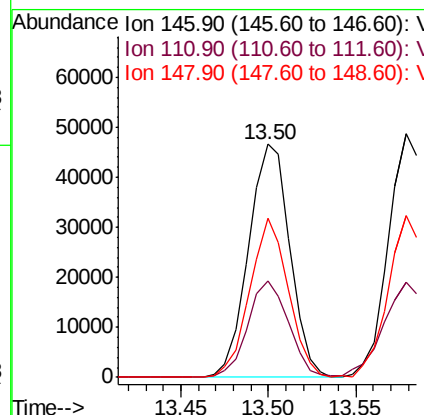
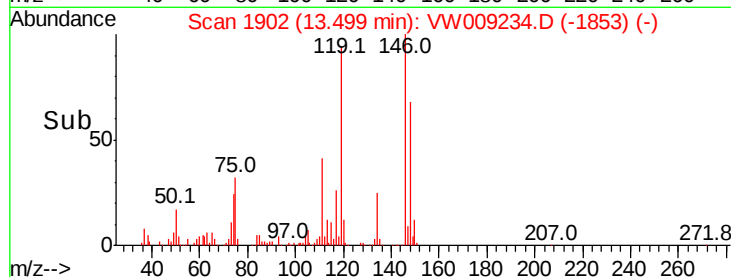
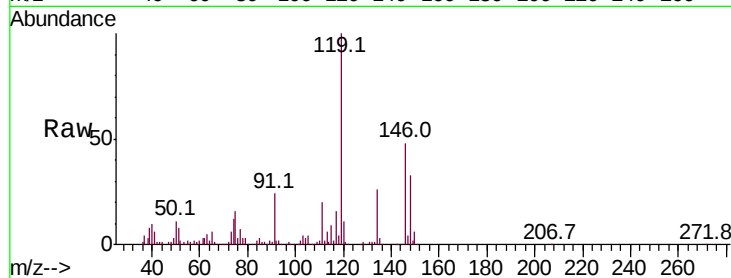
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	76530
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	63.9	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 10.332 ug/l

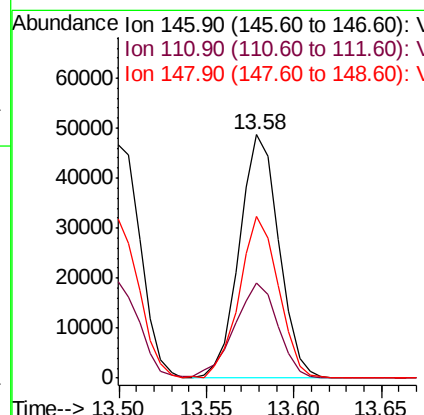
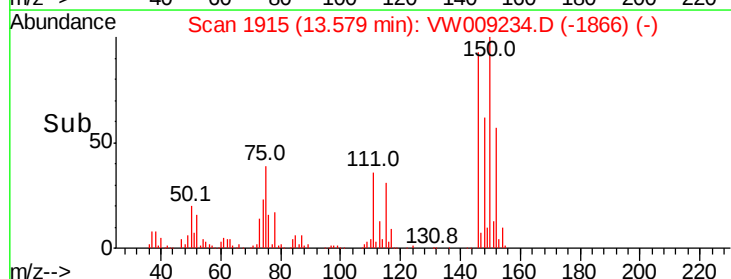
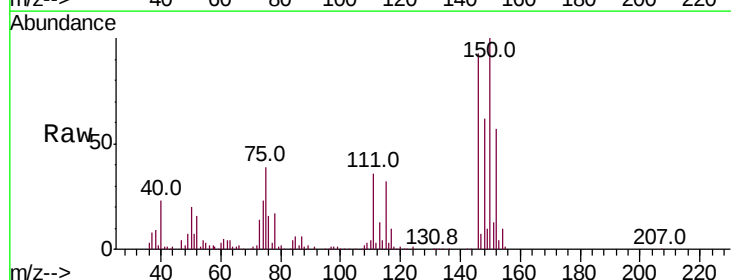
RT: 13.58 min Scan# 1915

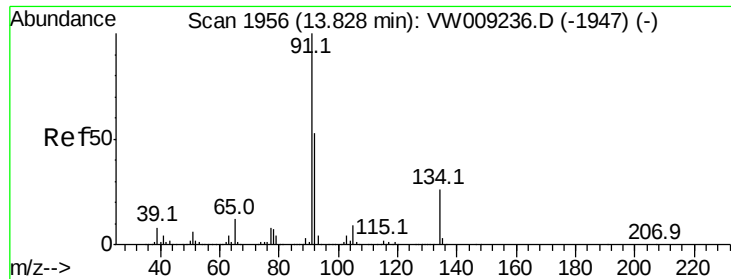
Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion:	146	Resp:	76571
Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.9	59.6
148	65.7	32.2	96.6





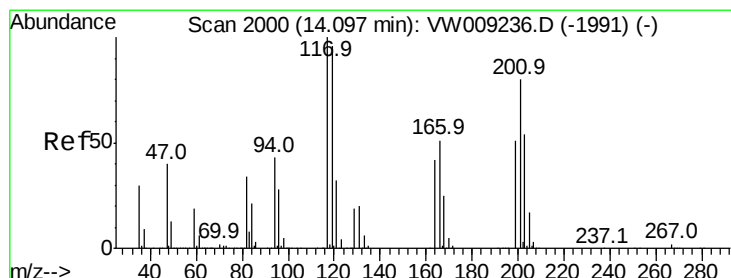
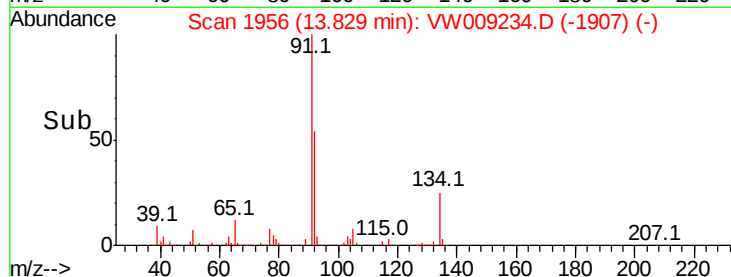
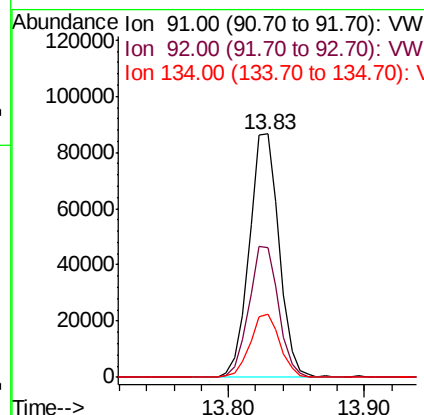
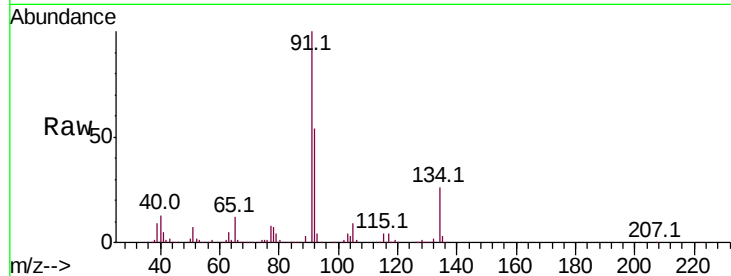
#89
n-Butylbenzene
Concen: 9.542 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.0
134	25.9	12.9	38.6

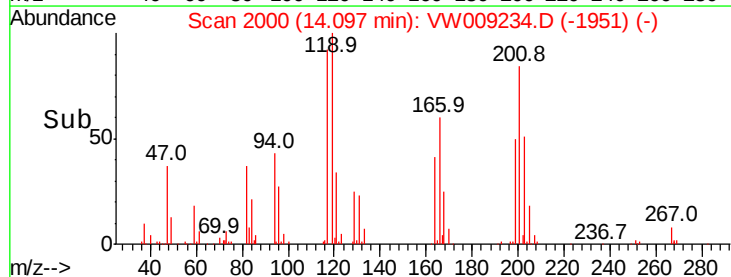
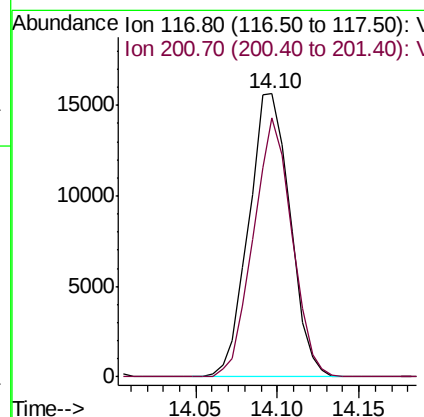
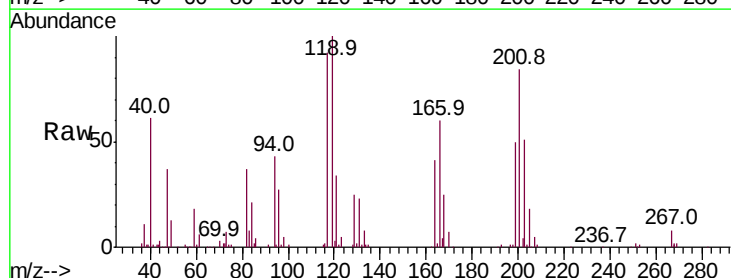
Manual Integrations
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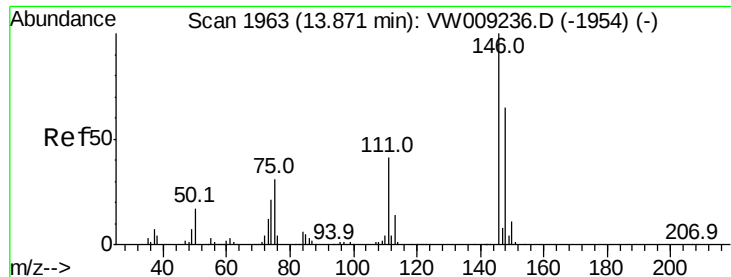
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#90
Hexachloroethane
Concen: 9.643 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	38.2	114.6





#91

1,2-Dichlorobenzene

Concen: 10.090 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Instrument :

MSVOA_W

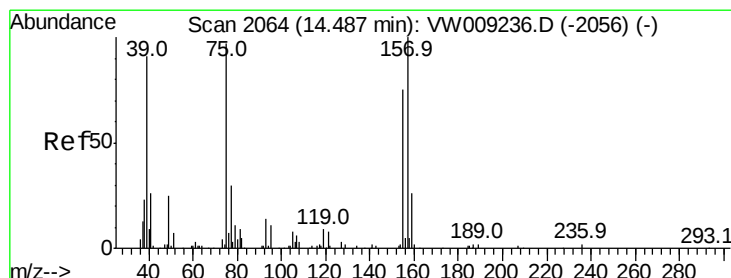
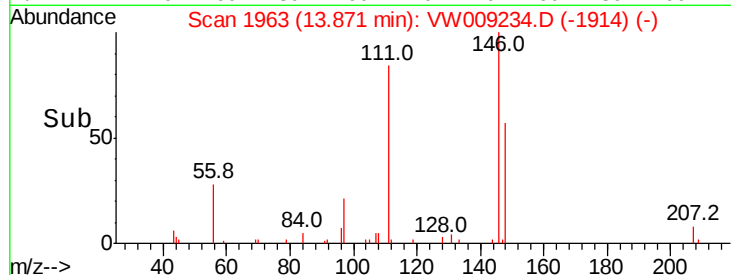
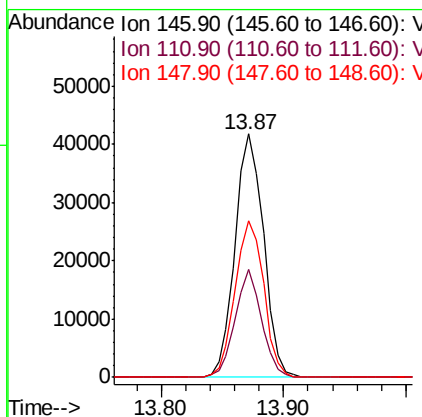
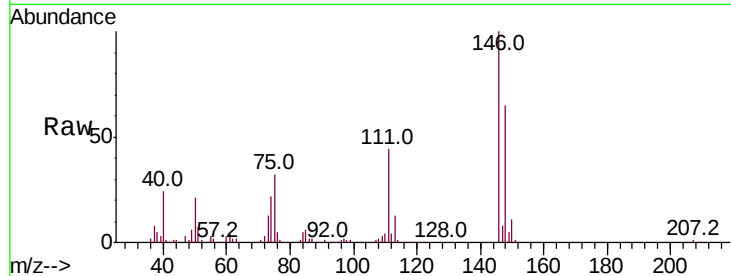
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	67340
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.4	61.2
148	64.7	31.9	95.9

Manual Integrations
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3/22/2019 3:52:57 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.014 ug/l

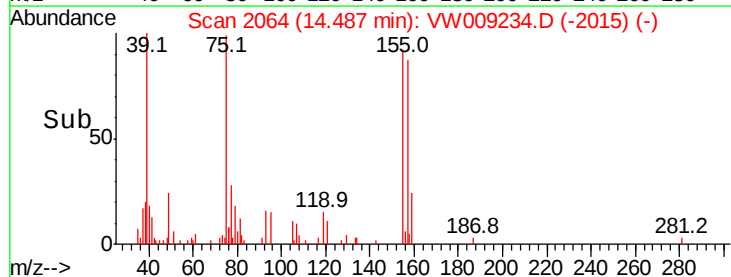
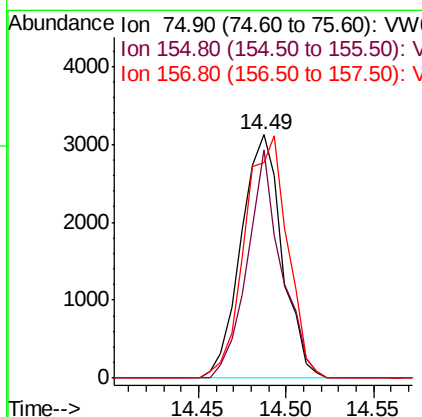
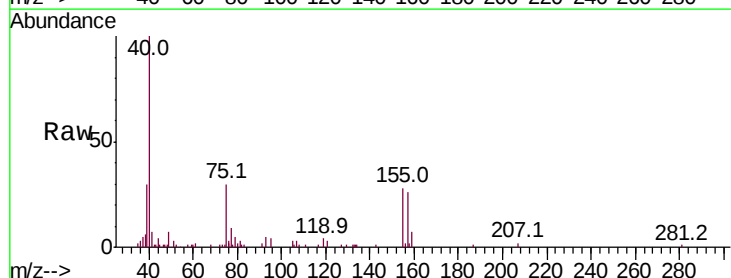
RT: 14.49 min Scan# 2064

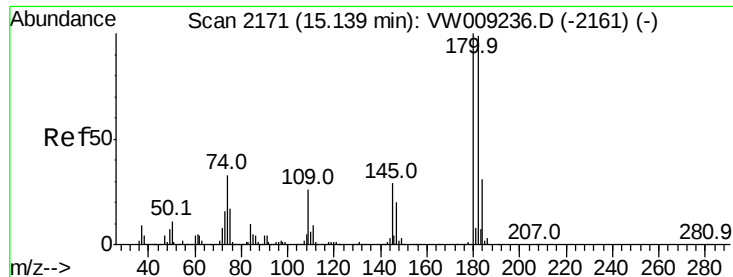
Delta R.T. 0.00 min

Lab File: VW009234.D

Acq: 19 Mar 2019 11:24

Tgt Ion:	75	Resp:	5093
Ion Ratio	Lower	Upper	
75	100		
155	77.9	39.3	117.8
157	103.6	49.5	148.5





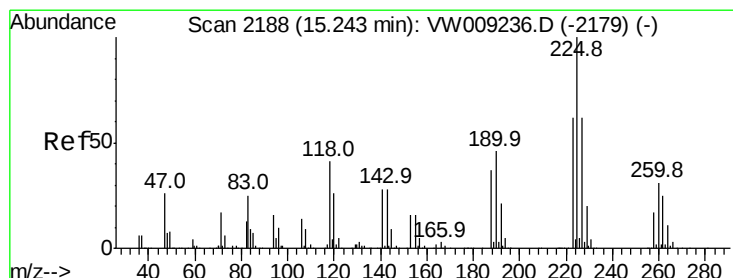
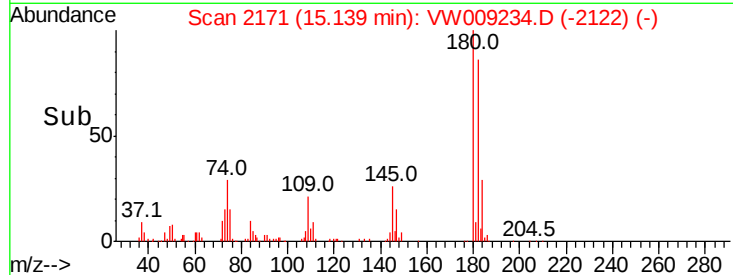
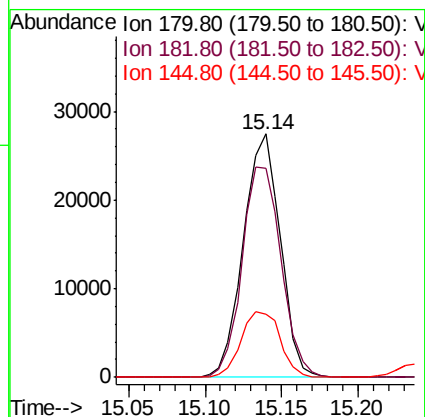
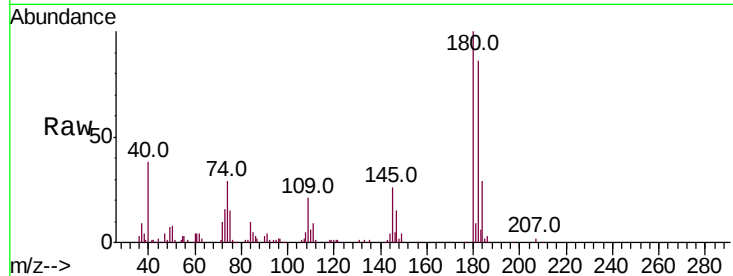
#93
1,2,4-Trichlorobenzene
Concen: 10.281 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.5	47.9	143.7	
145	28.7	15.0	45.0	

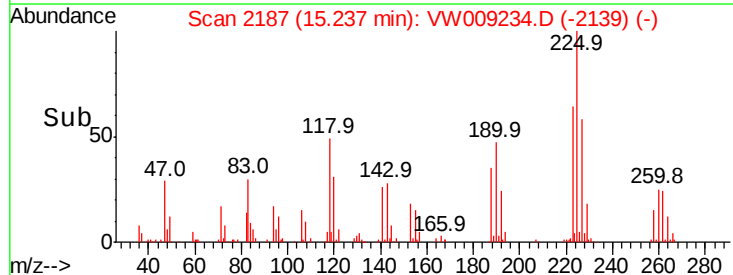
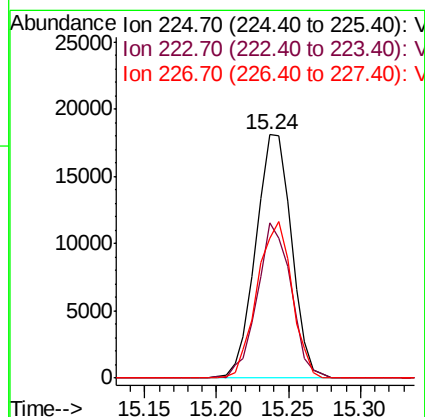
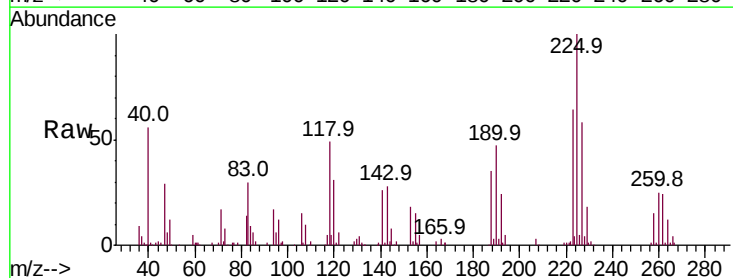
Manual Integrations
APPROVED

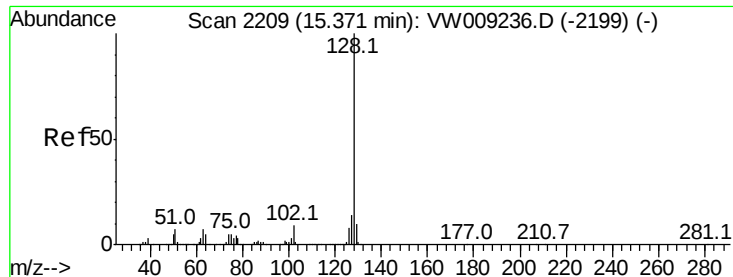
MMDadoda
3/22/2019 3:52:57 AM



#94
Hexachlorobutadiene
Concen: 10.891 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.3	31.4	94.3	
227	62.8	32.1	96.5	





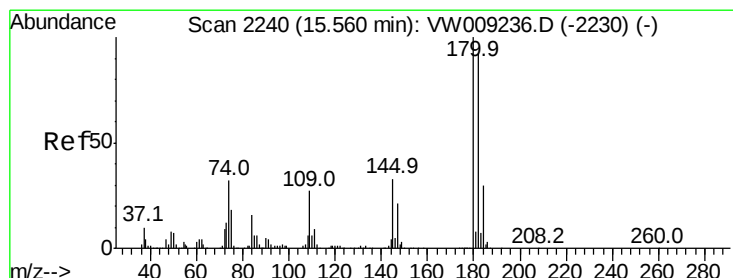
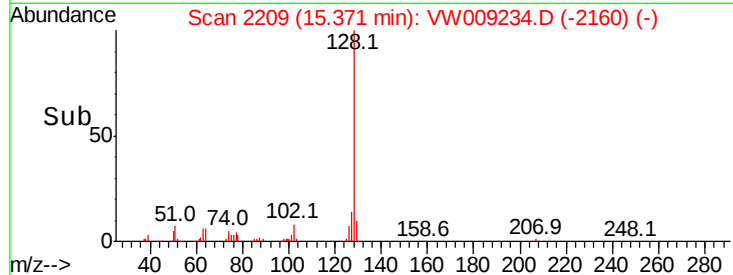
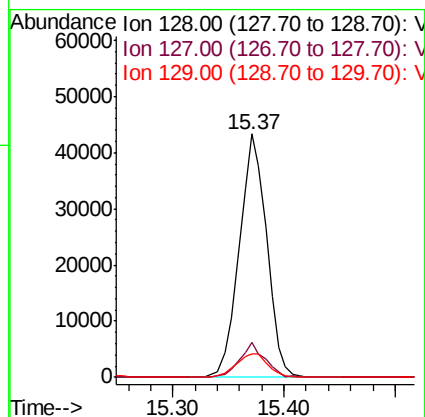
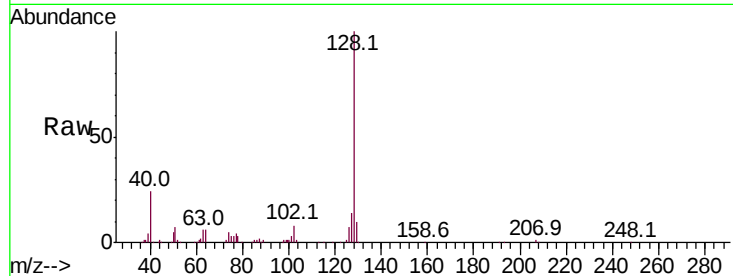
#95
Naphthalene
Concen: 9.511 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	128	Resp:	73860
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.8	16.2
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:52:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 10.186 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009234.D
Acq: 19 Mar 2019 11:24

Tgt Ion:	180	Resp:	40755
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.3	141.9
145	31.6	16.0	48.0

