

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
 Data File : VW006542.D
 Acq On : 31 Oct 2018 23:29
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 11/2/2018 3:11:20 PM

Quant Time: Nov 01 03:29:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	406131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	208085	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	12406	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
35) Dibromofluoromethane	7.89	113	12524	5.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.32%	
50) Toluene-d8	10.33	98	46797	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
62) 4-Bromofluorobenzene	12.62	95	17155	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	6636m	4.887	ug/l
3) Chloromethane	2.21	50	9169	5.207	ug/l
4) Vinyl Chloride	2.37	62	12432	4.970	ug/l
5) Bromomethane	2.79	94	10449	4.616	ug/l
6) Chloroethane	2.93	64	8804	4.927	ug/l
7) Trichlorofluoromethane	3.26	101	10185	4.416	ug/l
8) Diethyl Ether	3.68	74	6485	5.301	ug/l
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11528	4.706	ug/l
10) Methyl Iodide	4.26	142	21255	5.158	ug/l
11) Tert butyl alcohol	5.26	59	3356	22.130	ug/l #
12) 1,1-Dichloroethene	4.03	96	11422	4.937	ug/l
13) Acrolein	3.90	56	4166	27.337	ug/l
14) Allyl chloride	4.67	41	14160	4.333	ug/l
15) Acrylonitrile	5.38	53	11073	24.828	ug/l
16) Acetone	4.15	43	10740	21.929	ug/l
17) Carbon Disulfide	4.37	76	30168	4.366	ug/l
18) Methyl Acetate	4.70	43	6042	5.270	ug/l
19) Methyl tert-butyl Ether	5.42	73	17347	4.945	ug/l
20) Methylene Chloride	4.92	84	19401	7.129	ug/l
21) trans-1,2-Dichloroethene	5.42	96	12527	4.846	ug/l
22) Diisopropyl ether	6.32	45	29708	4.566	ug/l
23) Vinyl Acetate	6.27	43	79413	20.814	ug/l
24) 1,1-Dichloroethane	6.21	63	20995	4.978	ug/l
25) 2-Butanone	7.19	43	14134	22.986	ug/l
26) 2,2-Dichloropropane	7.17	77	13088	4.485	ug/l
27) cis-1,2-Dichloroethene	7.17	96	14235	4.975	ug/l
28) Bromochloromethane	7.51	49	8869	5.461	ug/l
29) Tetrahydrofuran	7.54	42	8728	23.054	ug/l
30) Chloroform	7.68	83	22742	4.929	ug/l
31) Cyclohexane	7.96	56	21823	5.259	ug/l #
32) 1,1,1-Trichloroethane	7.87	97	18881	4.588	ug/l
36) 1,1-Dichloropropene	8.09	75	17927	4.824	ug/l
37) Ethyl Acetate	7.26	43	6050	4.403	ug/l
38) Carbon Tetrachloride	8.07	117	17501	4.326	ug/l

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 ALS Vial : 28 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Nov 01 03:29:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	21414	4.357	ug/l	97
40) Benzene	8.33	78	48931	4.762	ug/l	98
41) Methacrylonitrile	7.49	41	3954	4.809	ug/l	94
42) 1,2-Dichloroethane	8.40	62	14717	4.907	ug/l	97
43) Isopropyl Acetate	8.43	43	11859	4.249	ug/l	99
44) Trichloroethene	9.10	130	15213	4.824	ug/l	97
45) 1,2-Dichloropropane	9.37	63	11094	4.530	ug/l	100
46) Dibromomethane	9.46	93	6780	4.844	ug/l	99
47) Bromodichloromethane	9.65	83	14830	4.385	ug/l	95
48) Methyl methacrylate	9.44	41	5374	4.050	ug/l	92
49) 1,4-Dioxane	9.50	88	2027	94.707	ug/l	99
51) 4-Methyl-2-Pentanone	10.22	43	30698	21.844	ug/l	100
52) Toluene	10.39	92	32773	4.759	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	13465	4.012	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	16638	4.310	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	9557	4.868	ug/l	96
56) Ethyl methacrylate	10.65	69	9757	4.082	ug/l	92
57) 1,3-Dichloropropane	10.93	76	16070	4.960	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	25809	27.175	ug/l	99
59) 2-Hexanone	10.98	43	20506	20.523	ug/l	95
60) Dibromochloromethane	11.13	129	10390	4.269	ug/l	99
61) 1,2-Dibromoethane	11.24	107	9349	4.769	ug/l	99
64) Tetrachloroethene	10.87	164	14839	5.001	ug/l	98
65) Chlorobenzene	11.66	112	38598	4.748	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	12996	4.512	ug/l	99
67) Ethyl Benzene	11.74	91	61940	4.421	ug/l	96
68) m/p-Xylenes	11.85	106	49545	8.930	ug/l	100
69) o-Xylene	12.17	106	23168	4.379	ug/l	100
70) Styrene	12.19	104	36912	4.286	ug/l	99
71) Bromoform	12.35	173	6517	4.090	ug/l #	98
73) Isopropylbenzene	12.47	105	63719	4.367	ug/l	99
74) N-amyl acetate	12.28	43	10808	3.881	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10506	4.733	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	8488m	5.271	ug/l	
77) Bromobenzene	12.76	156	17324	4.817	ug/l	97
78) n-propylbenzene	12.81	91	72651	4.292	ug/l	100
79) 2-Chlorotoluene	12.90	91	42971	4.515	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	52028	4.236	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2078	3.188	ug/l #	80
82) 4-Chlorotoluene	12.99	91	45093	4.505	ug/l	100
83) tert-Butylbenzene	13.21	119	46627	4.241	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	54099	4.339	ug/l	99
85) sec-Butylbenzene	13.39	105	66050	4.265	ug/l	100
86) p-Isopropyltoluene	13.51	119	60061	4.284	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	33701	4.709	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	33971	4.771	ug/l	94
89) n-Butylbenzene	13.83	91	52492	4.105	ug/l	99
90) Hexachloroethane	14.10	117	9348	3.956	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	31162	4.880	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1651	4.216	ug/l	94

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MSVOA_W
ClientSampleId :
VSTDICC005

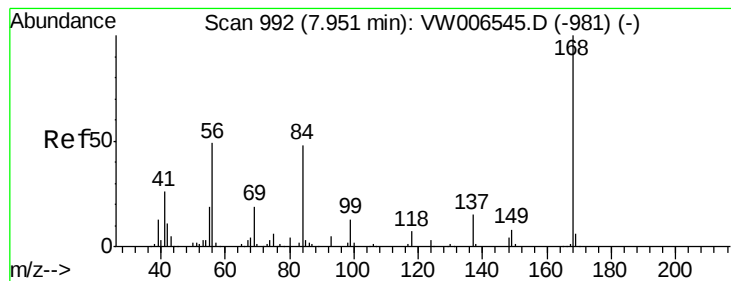
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Quant Time: Nov 01 03:29:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:03:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	22481	4.572	ug/l	98
94) Hexachlorobutadiene	15.25	225	14466	4.714	ug/l	100
95) Naphthalene	15.38	128	33479	4.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	20126	4.726	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 277599

Ion Ratio Lower Upper

168 100

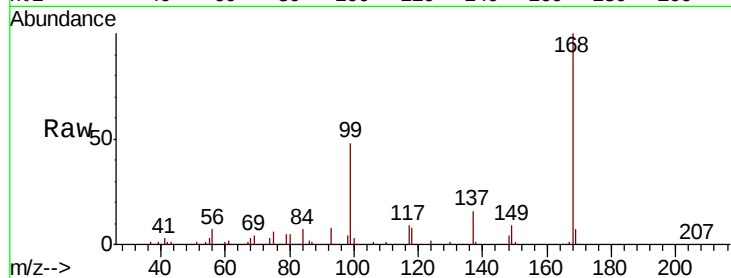
99 47.8 37.4 56.0

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

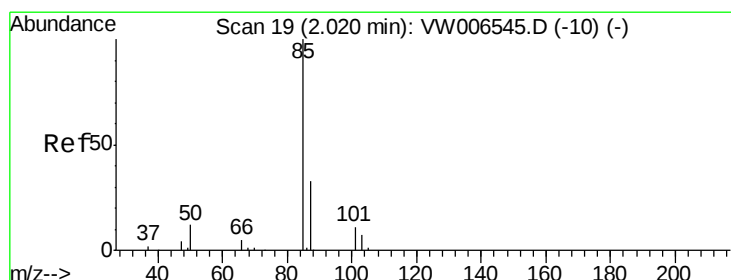
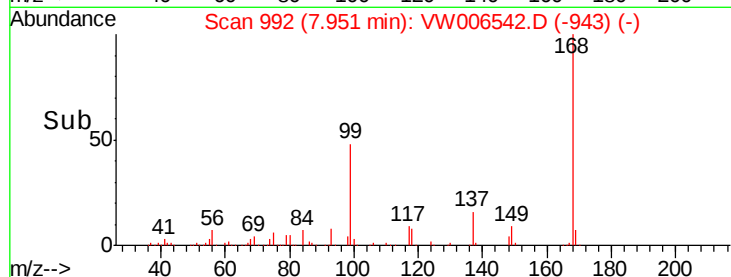
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.887 ug/l m

RT: 2.02 min Scan# 19

Delta R.T. 0.00 min

Lab File: VW006542.D

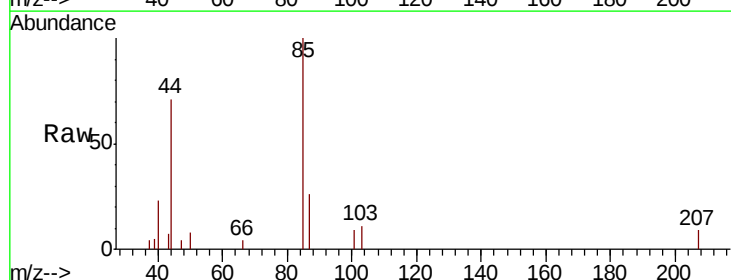
Acq: 31 Oct 2018 23:29

Tgt Ion: 85 Resp: 6636

Ion Ratio Lower Upper

85 100

87 26.5 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

1500

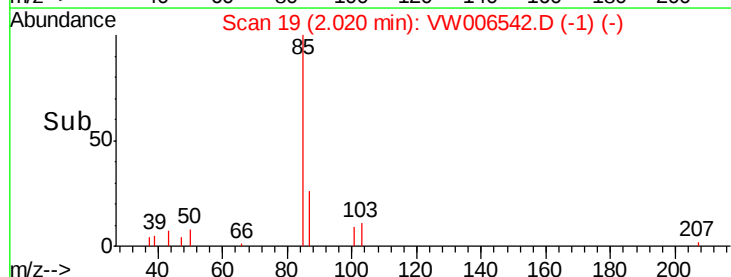
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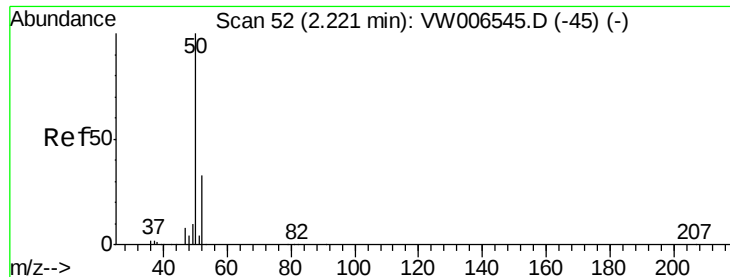
500

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 5.207 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 9169

Ion Ratio Lower Upper

50 100

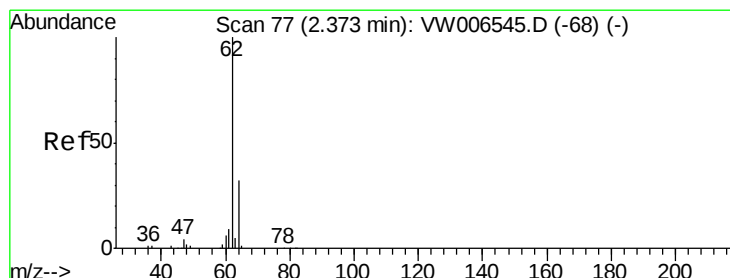
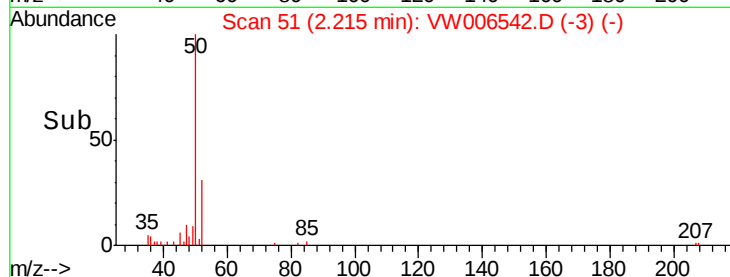
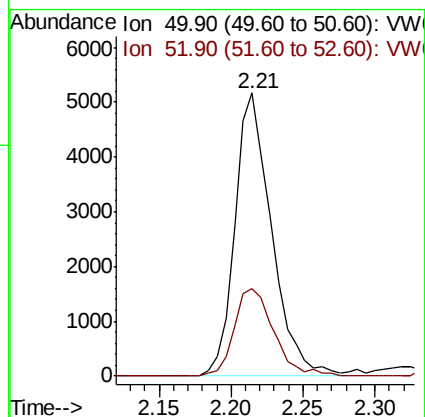
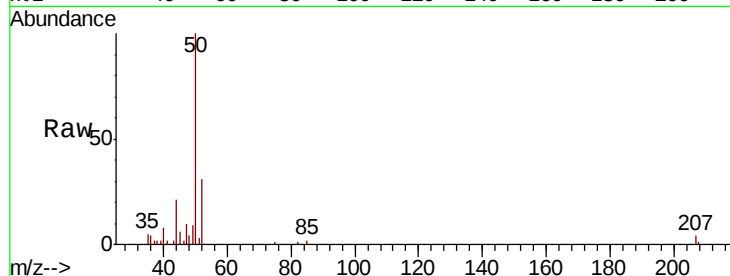
52 31.1 26.2 39.4

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#4

Vinyl Chloride

Concen: 4.970 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006542.D

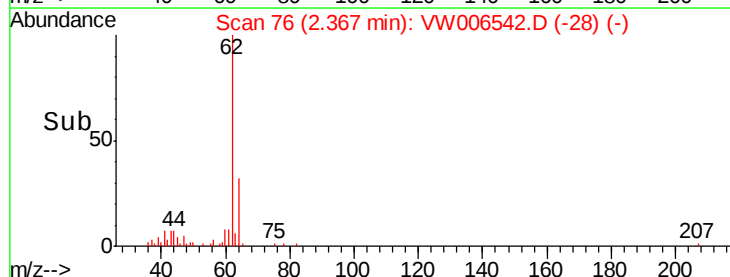
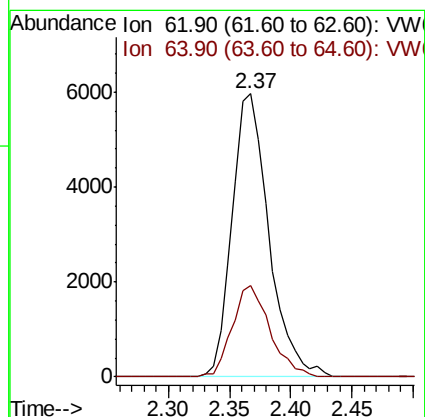
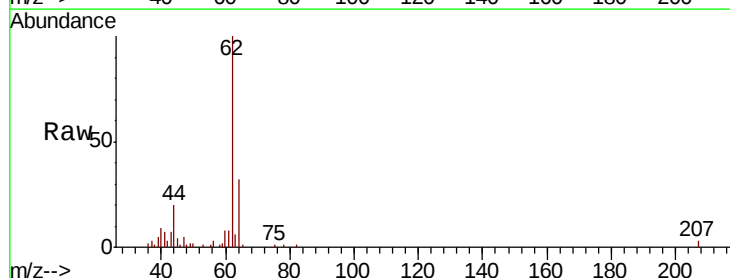
Acq: 31 Oct 2018 23:29

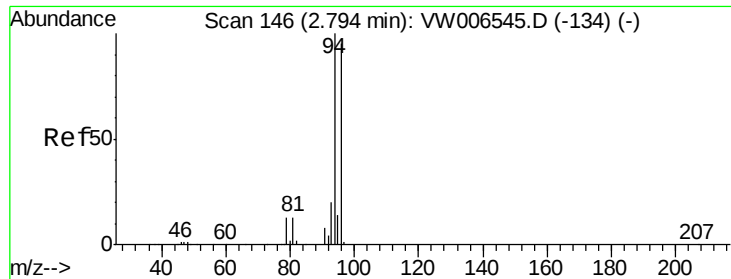
Tgt Ion: 62 Resp: 12432

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 4.616 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 10449

Ion Ratio Lower Upper

94 100

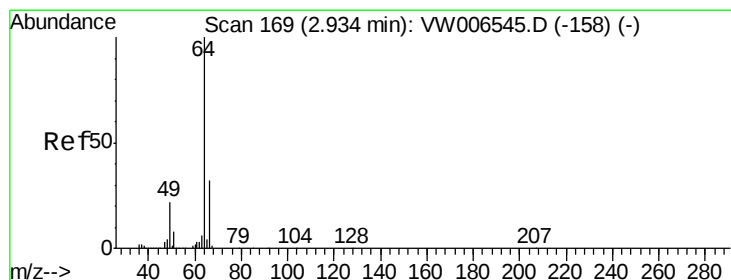
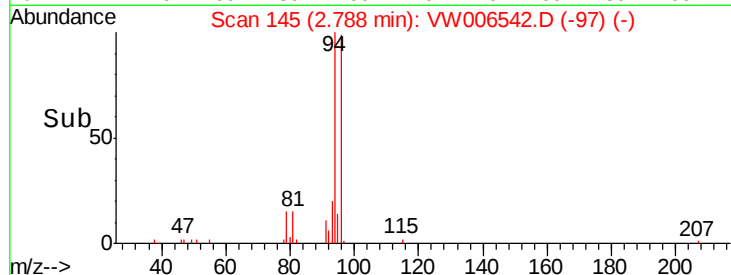
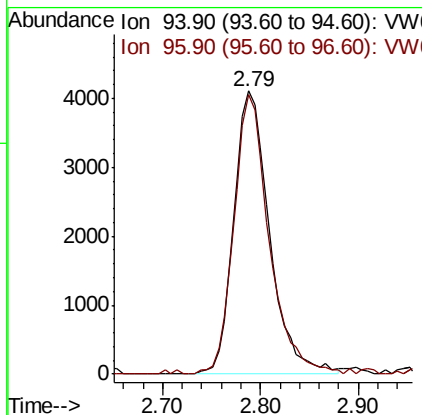
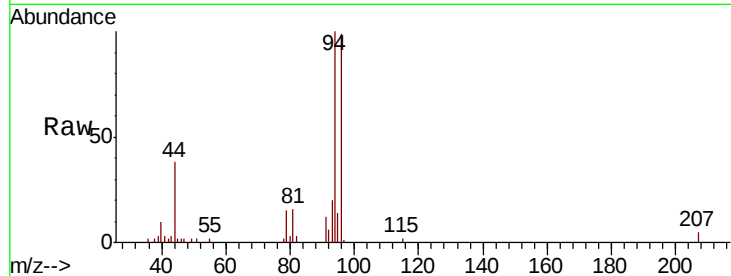
96 98.6 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 4.927 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW006542.D

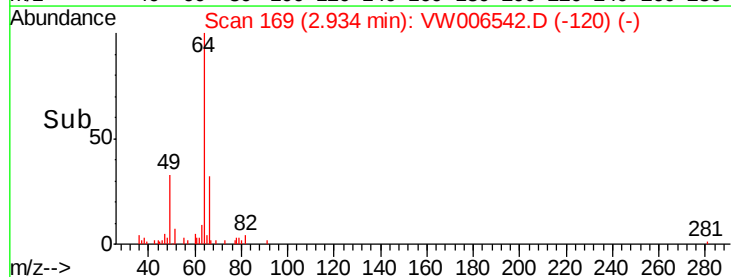
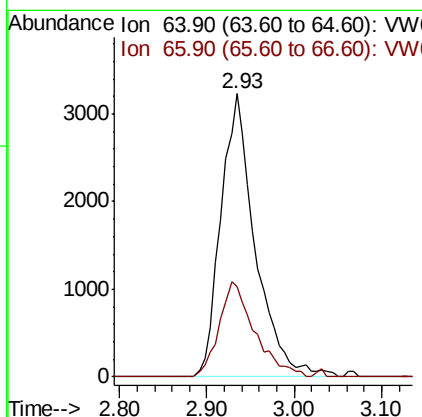
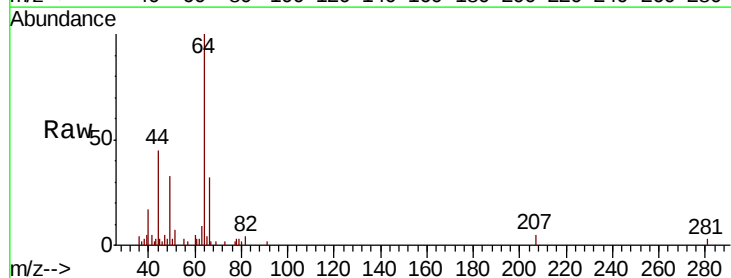
Acq: 31 Oct 2018 23:29

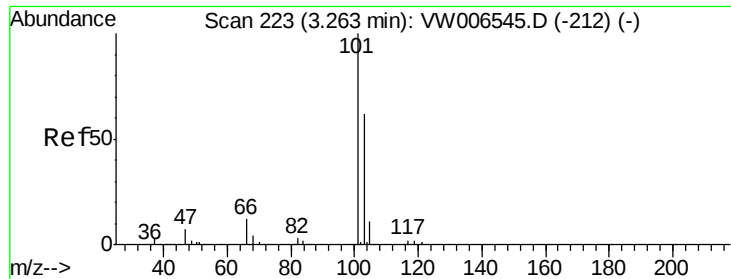
Tgt Ion: 64 Resp: 8804

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9





#7

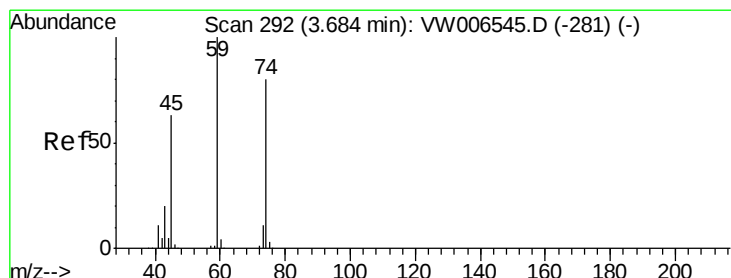
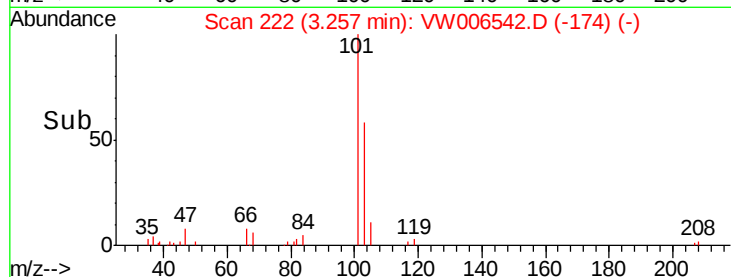
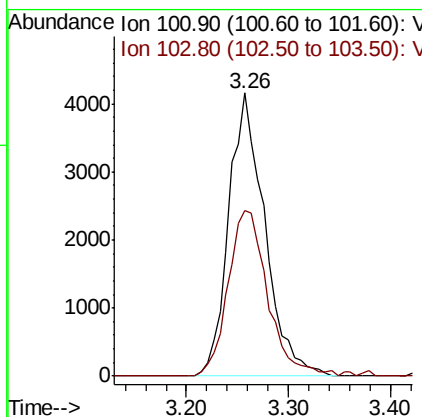
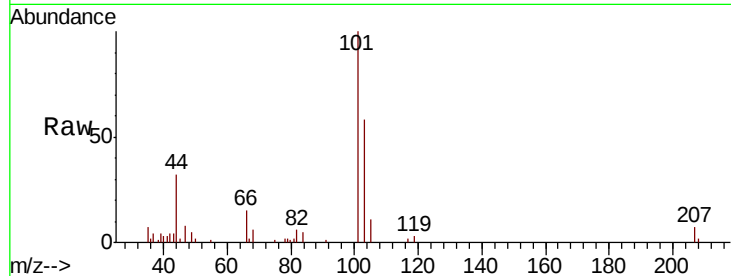
Trichlorofluoromethane
 Concen: 4.416 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.3	49.8	74.8

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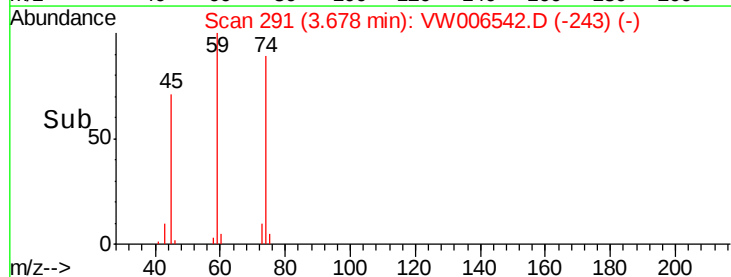
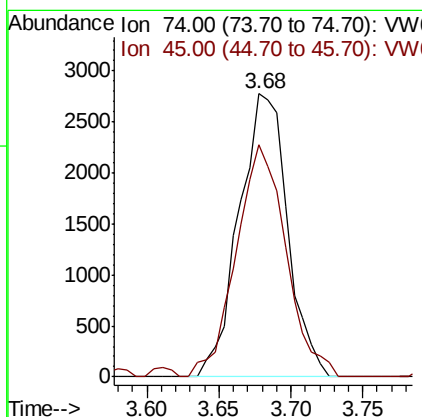
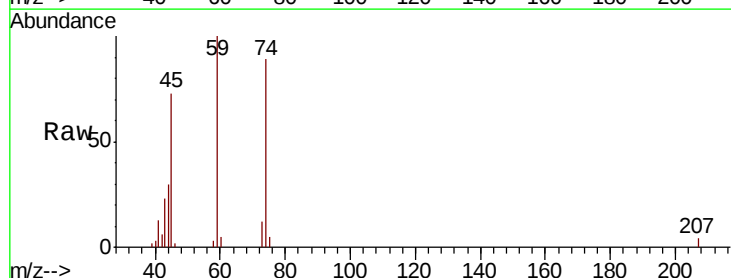
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 11/2/2018 3:11:20 PM

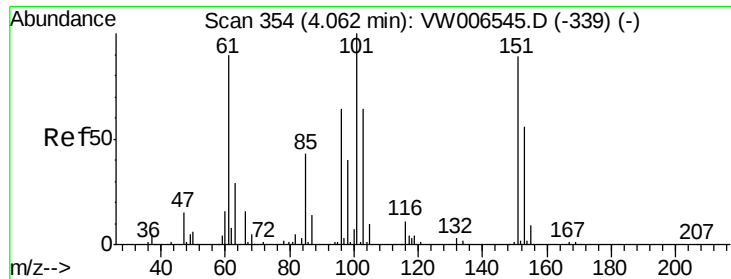


#8

Diethyl Ether
 Concen: 5.301 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.4	41.1	123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.706 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

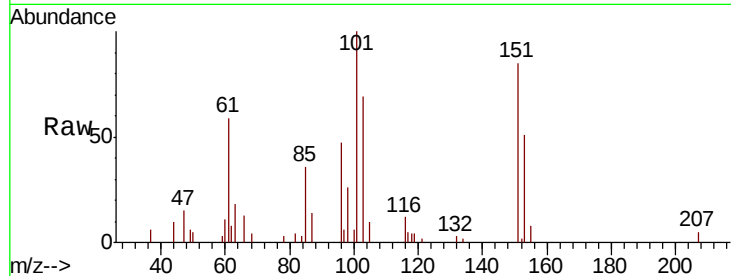
ClientSampleId :

VSTDIC005

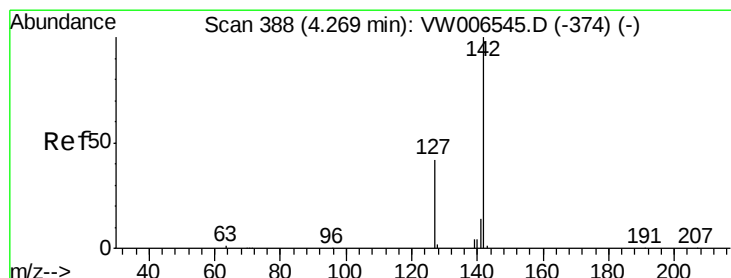
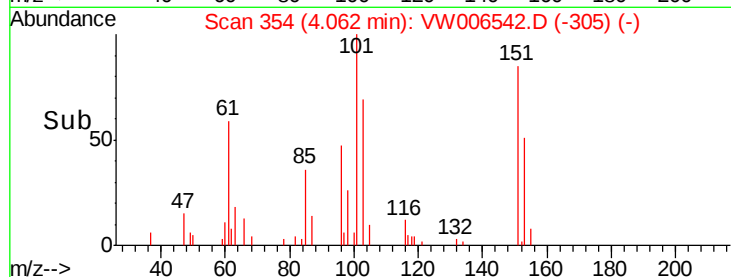
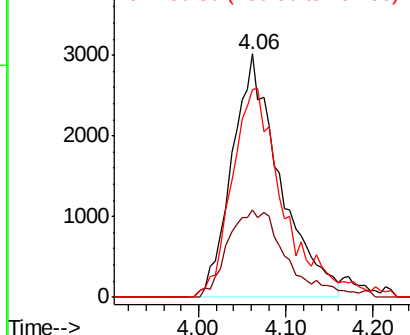
Tot Ion:	101	Resp:	11528
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.2
151	84.1	70.7	106.1

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



#10

Methyl Iodide

Concen: 5.158 ug/l

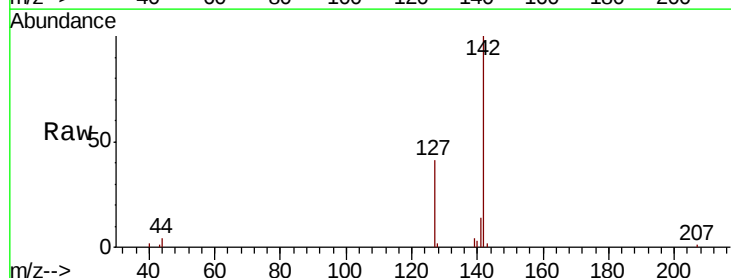
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

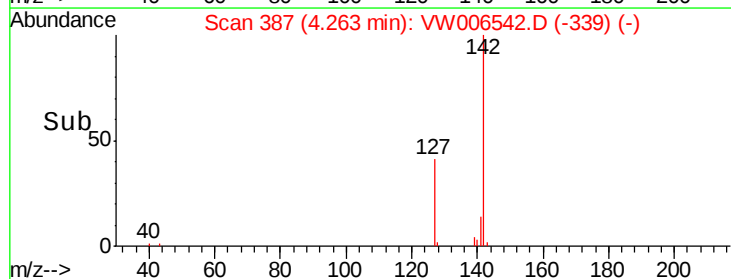
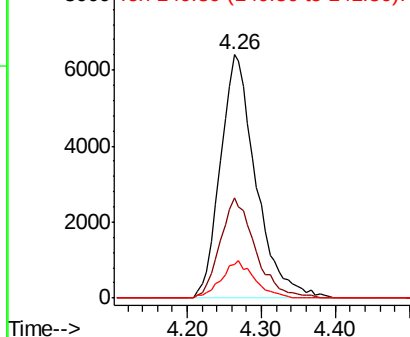
Lab File: VW006542.D

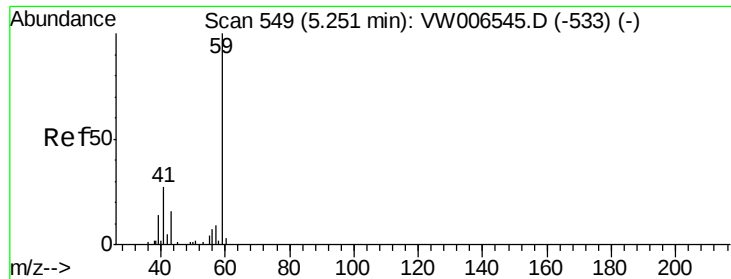
Acq: 31 Oct 2018 23:29

Tgt Ion:	142	Resp:	21255
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.3	48.5
141	14.4	11.3	16.9



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





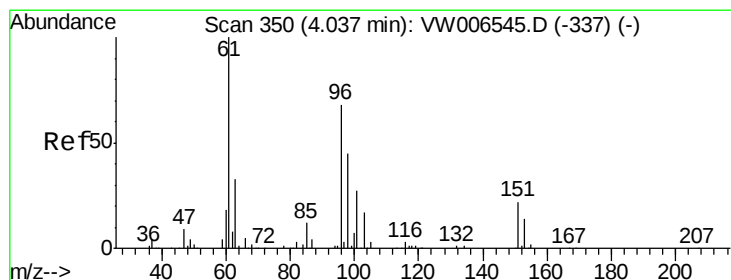
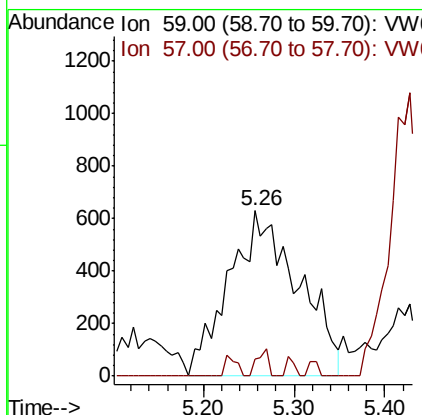
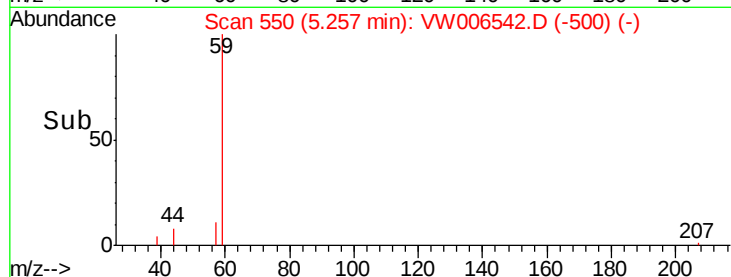
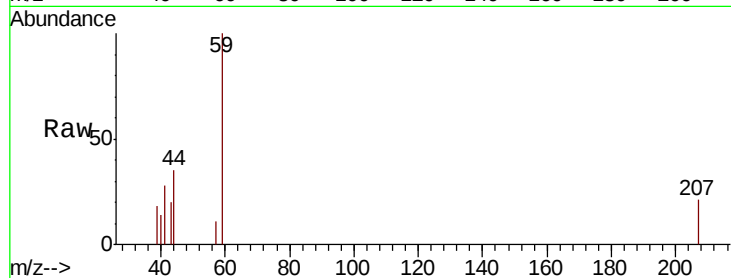
#11
Tert butyl alcohol
Concen: 22.130 ug/l
RT: 5.26 min Scan# 550
Delta R.T. 0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 3356
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

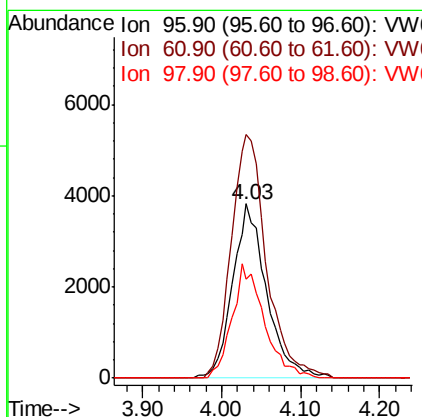
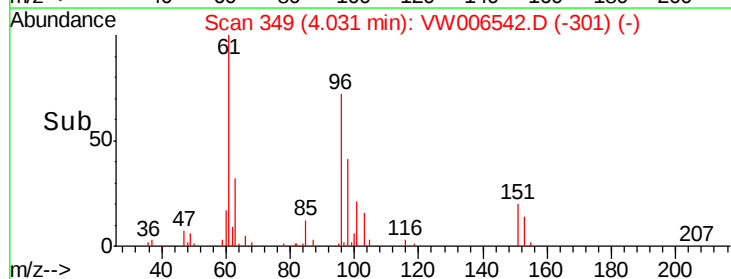
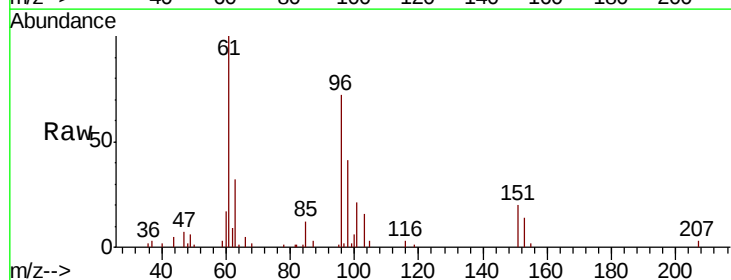
Manual Integrations
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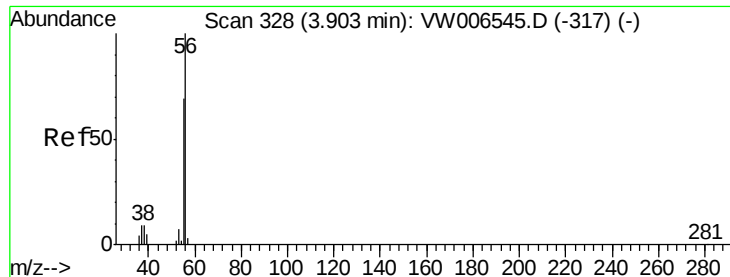
apatel
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#12
1,1-Dichloroethene
Concen: 4.937 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 96 Resp: 11422
Ion Ratio Lower Upper
96 100
61 139.8 117.0 175.4
98 57.0 52.5 78.7





#13

Acrolein

Concen: 27.337 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4166

Ion Ratio Lower Upper

56 100

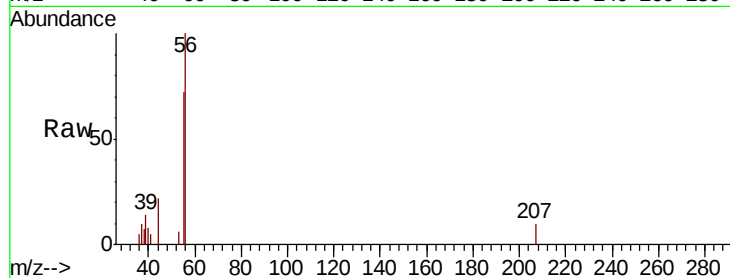
55 75.4 56.9 85.3

Manual Integrations

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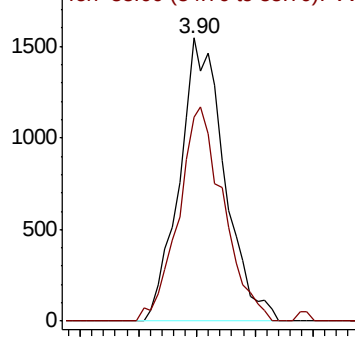
apatel

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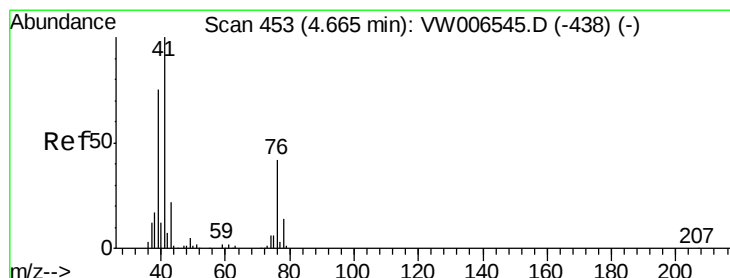
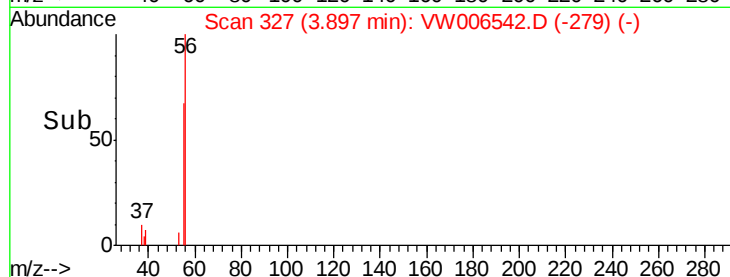


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#14

Allyl chloride

Concen: 4.333 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

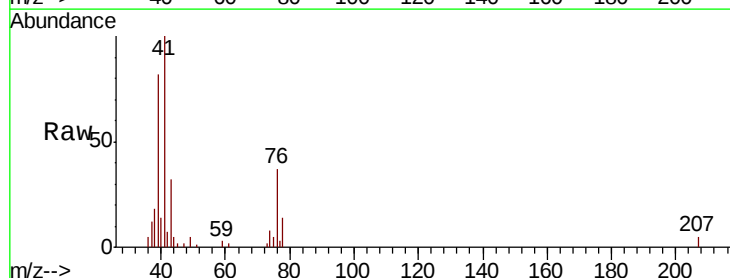
Tgt Ion: 41 Resp: 14160

Ion Ratio Lower Upper

41 100

39 79.4 62.1 93.1

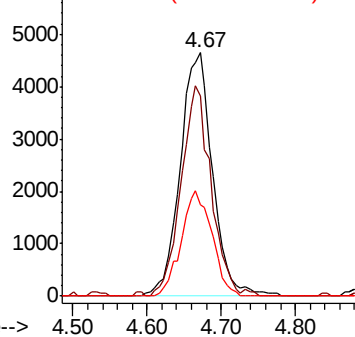
76 41.0 34.2 51.2



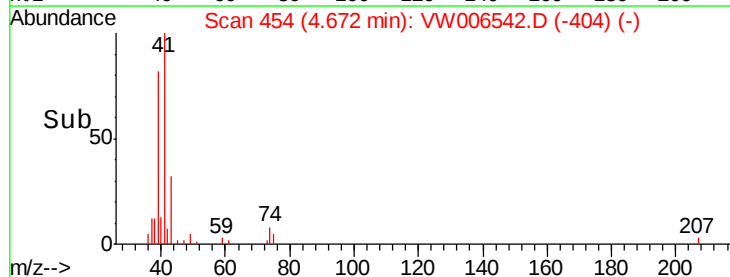
Abundance Ion 41.00 (40.70 to 41.70): VW

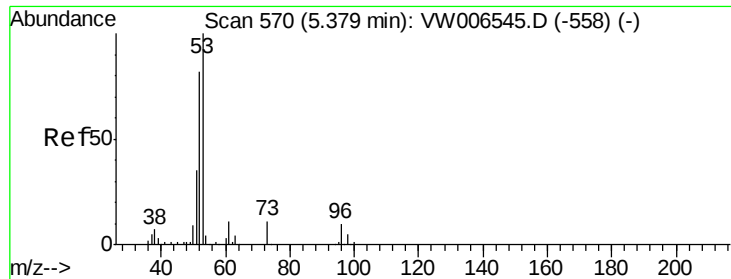
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time-->





#15

Acrylonitrile

Concen: 24.828 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

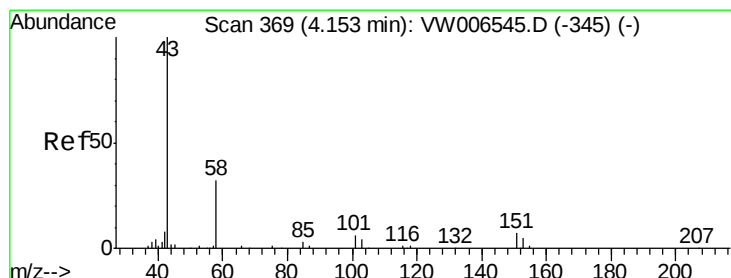
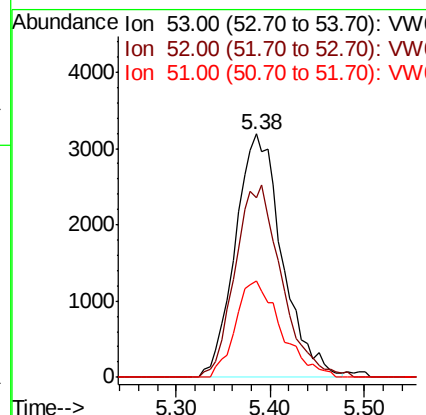
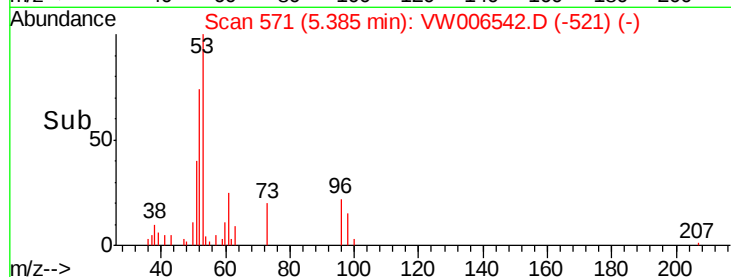
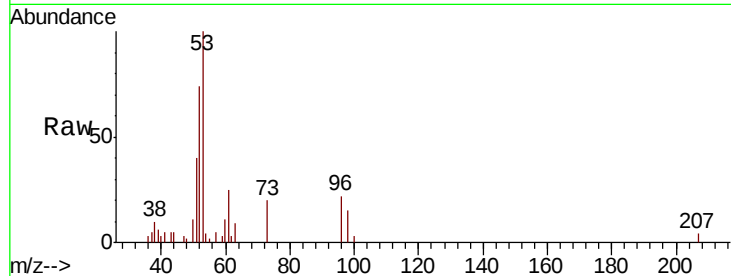
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	11073
Ion	Ratio	Lower	Upper
53	100		
52	78.3	65.8	98.8
51	38.7	29.6	44.4

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#16

Acetone

Concen: 21.929 ug/l

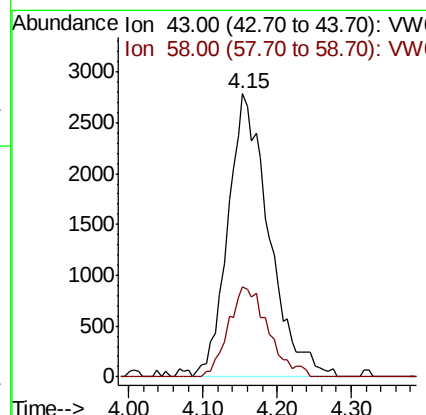
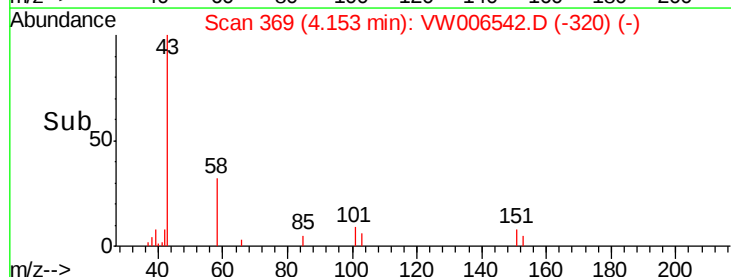
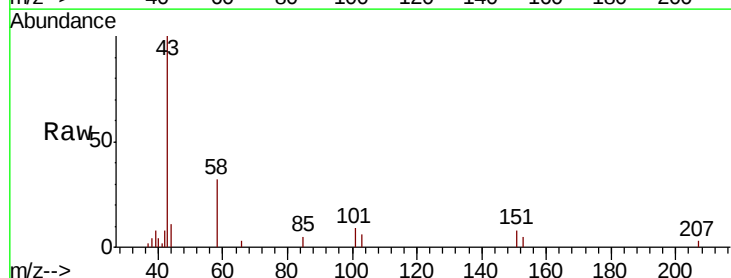
RT: 4.15 min Scan# 369

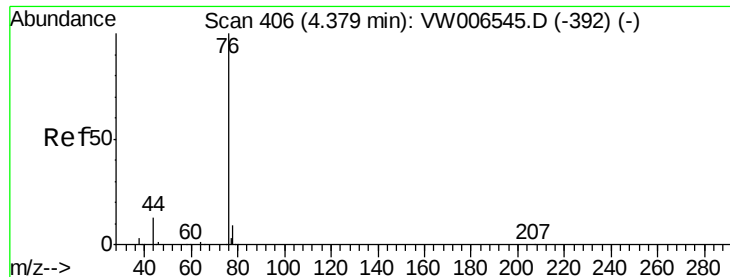
Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Tgt Ion:	43	Resp:	10740
Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.8	38.8





#17

Carbon Disulfide

Concen: 4.366 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 30168

Ion Ratio Lower Upper

76 100

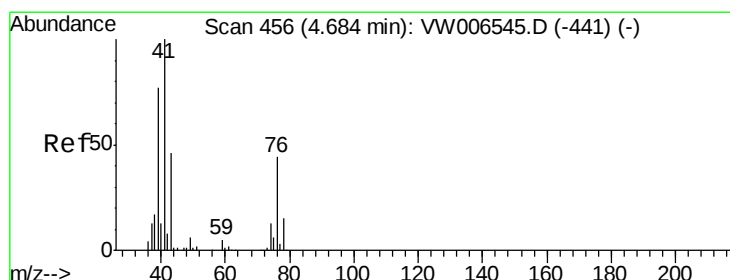
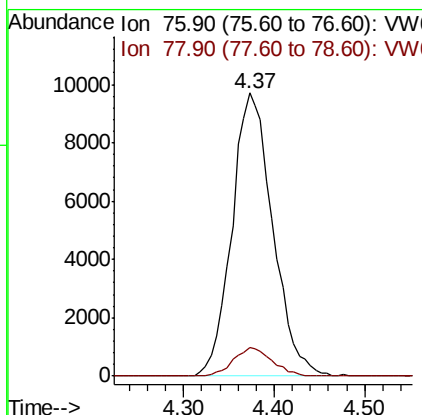
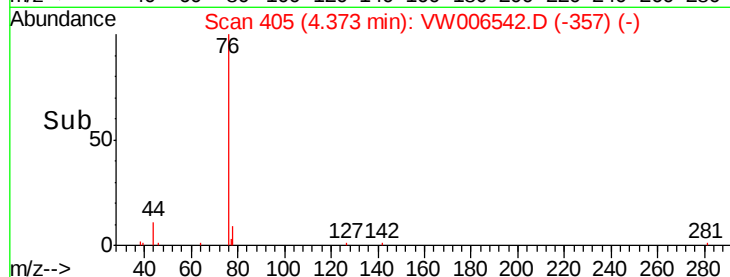
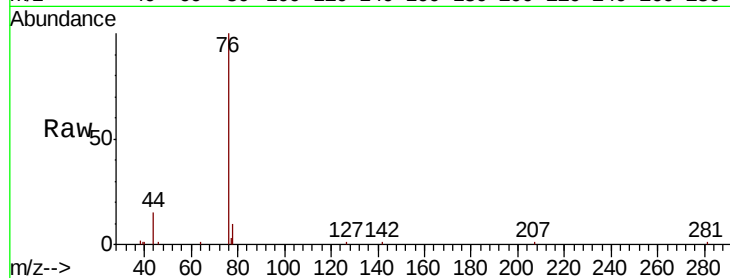
78 10.0 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 5.270 ug/l

RT: 4.70 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW006542.D

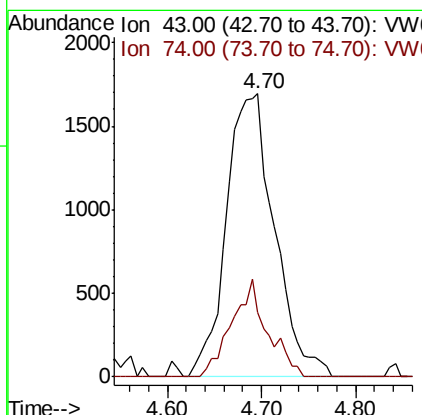
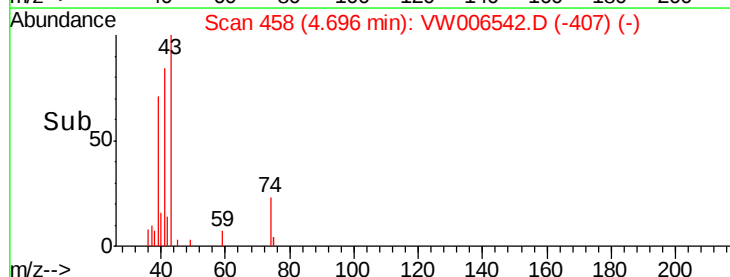
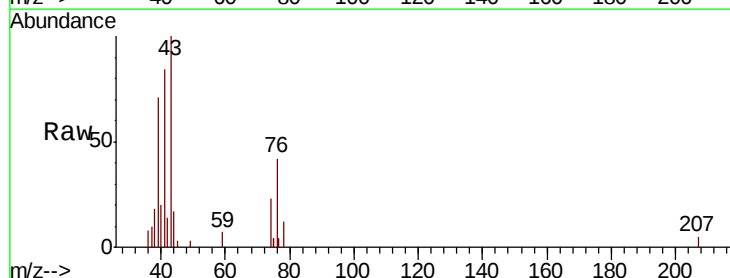
Acq: 31 Oct 2018 23:29

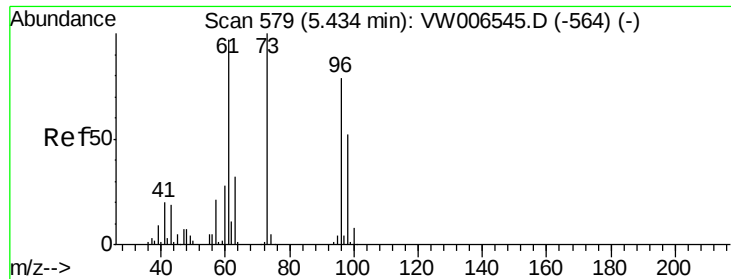
Tgt Ion: 43 Resp: 6042

Ion Ratio Lower Upper

43 100

74 25.5 21.9 32.9





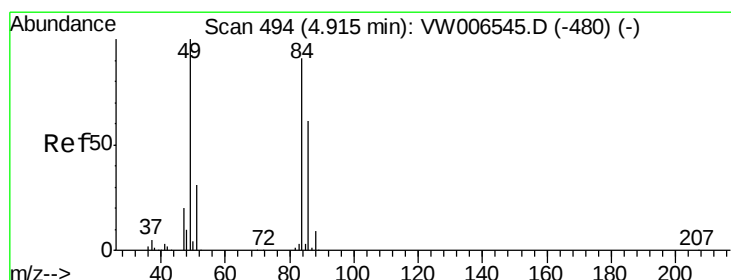
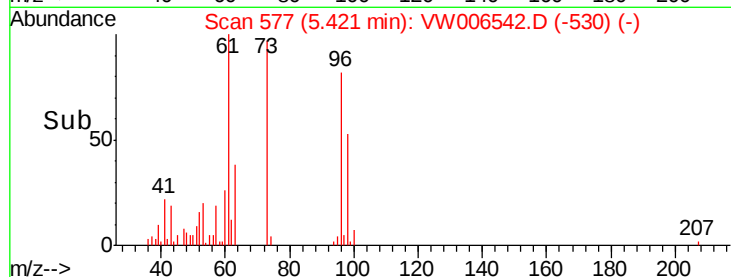
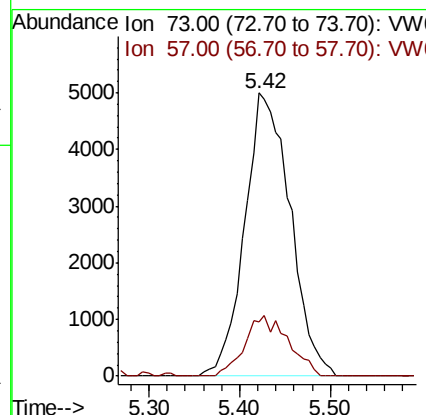
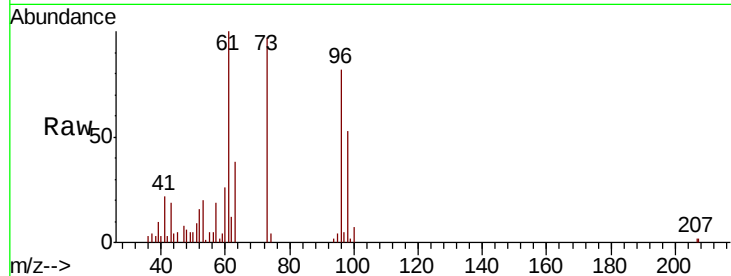
#19
Methvl tert-butvl Ether
Concen: 4.945 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 17347
Ion Ratio Lower Upper
73 100
57 19.2 16.7 25.1

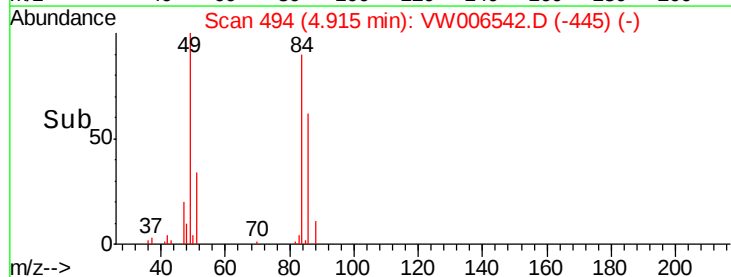
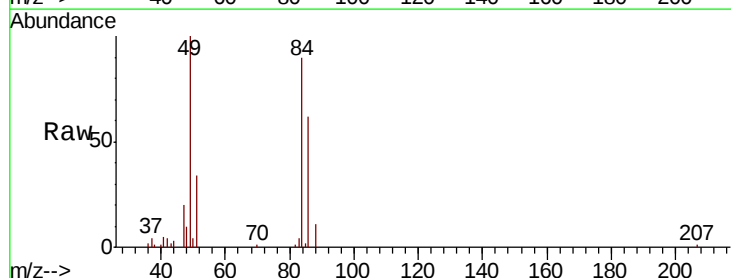
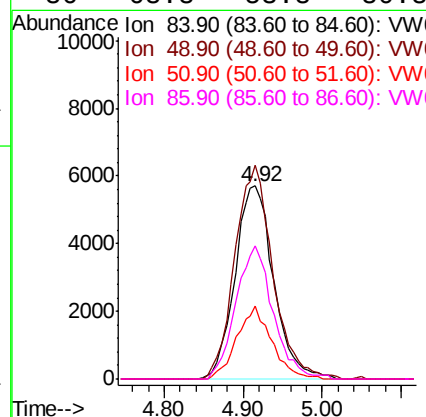
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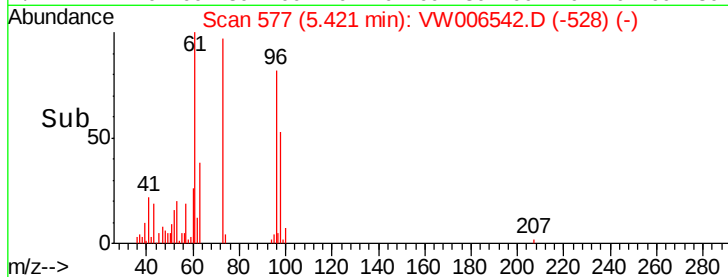
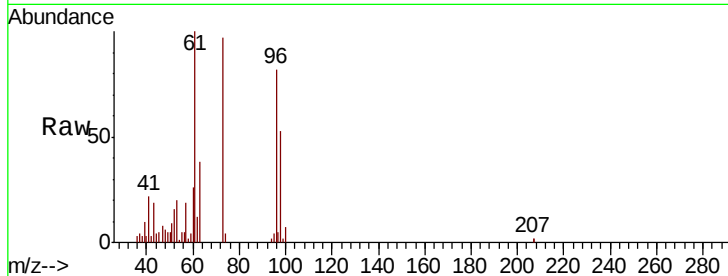
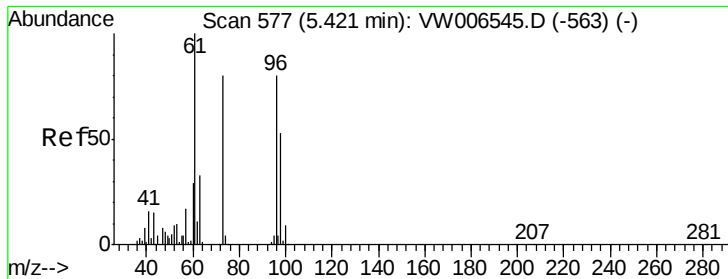
apatel
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#20
Methylene Chloride
Concen: 7.129 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 84 Resp: 19401
Ion Ratio Lower Upper
84 100
49 110.7 88.2 132.4
51 37.9 27.0 40.6
86 68.8 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 4.846 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006542.D

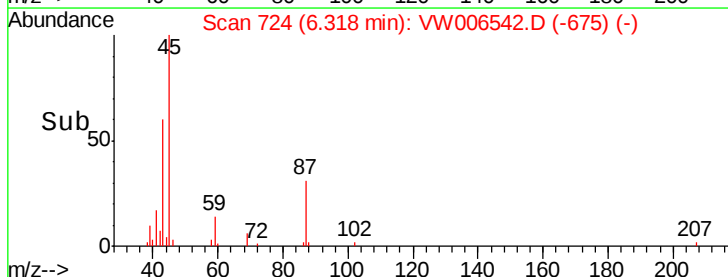
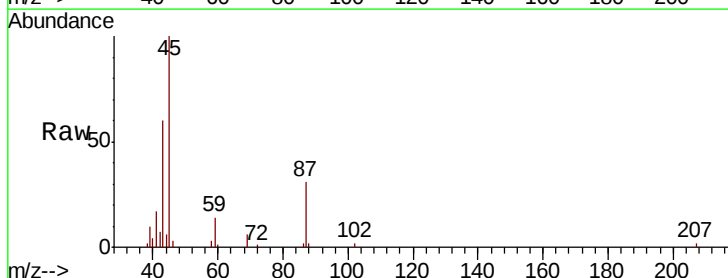
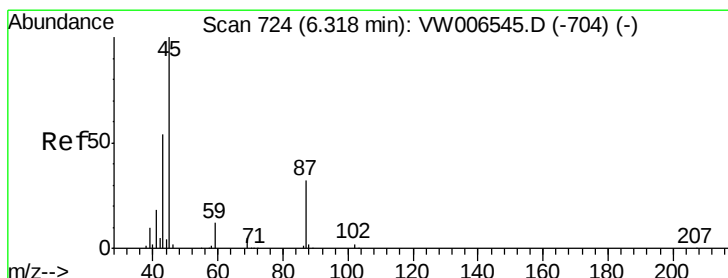
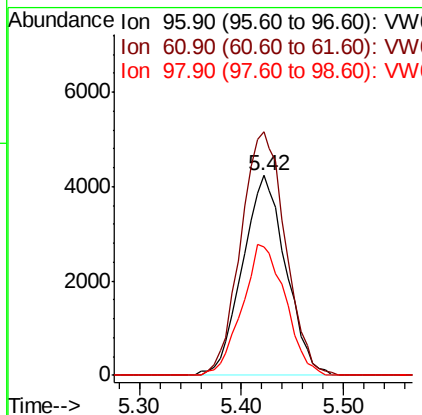
Acq: 31 Oct 2018 23:29

Tot Ion:	96	Resp:	12527
Ion	Ratio	Lower	Upper
96	100		
61	121.8	100.6	150.8
98	64.2	52.9	79.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

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#22

Diisopropyl ether

Concen: 4.566 ug/l

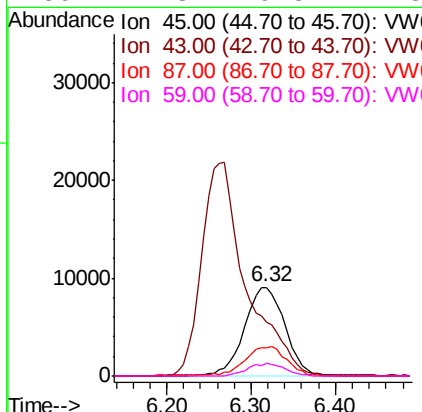
RT: 6.32 min Scan# 724

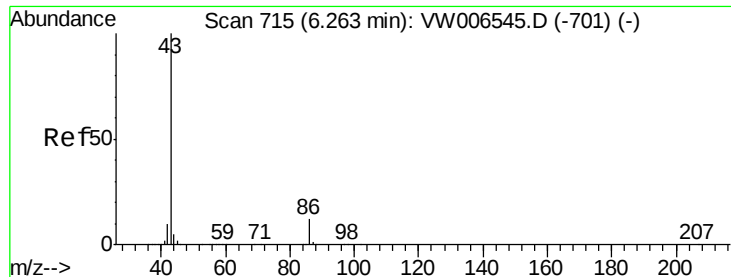
Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Tgt Ion:	45	Resp:	29708
Ion	Ratio	Lower	Upper
45	100		
43	58.9	43.6	65.4
87	31.4	26.3	39.5
59	14.3	9.8	14.8





#23

Vinyl Acetate

Concen: 20.814 ug/l

RT: 6.27 min Scan# 716

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 79413

Ion Ratio Lower Upper

43 100

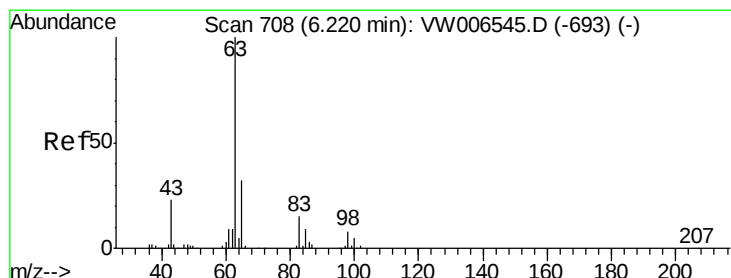
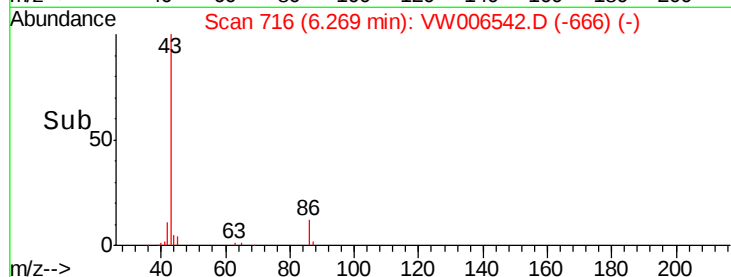
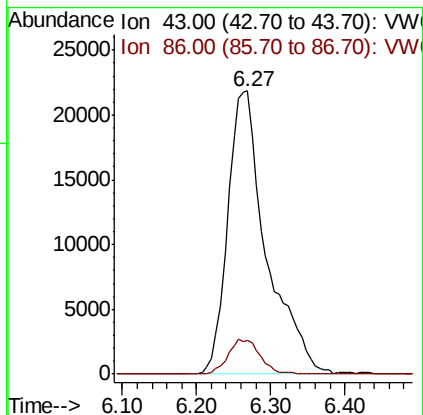
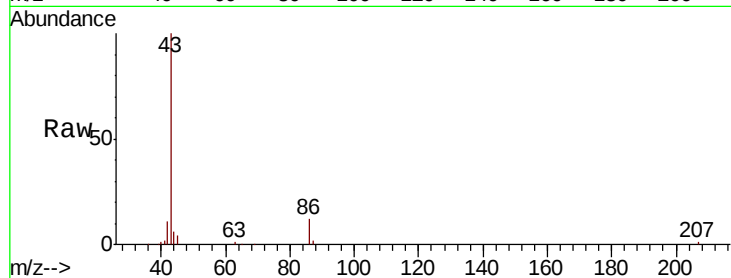
86 11.8 9.8 14.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.978 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

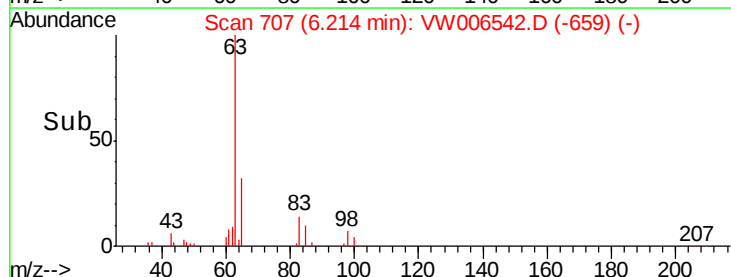
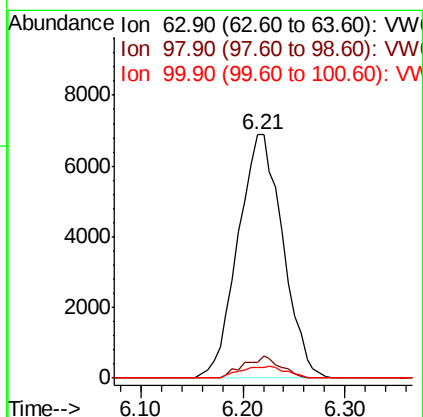
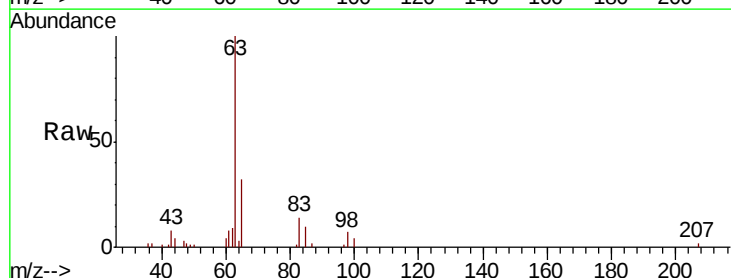
Tgt Ion: 63 Resp: 20995

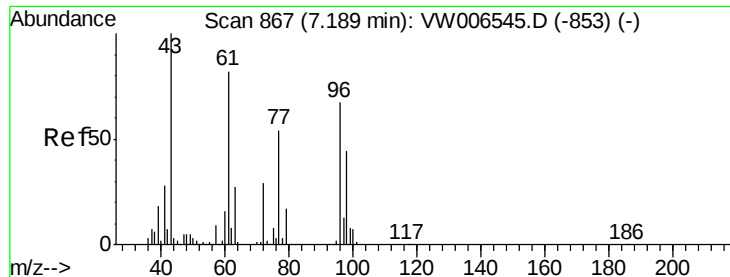
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.4

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 22.986 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 14134

Ion Ratio Lower Upper

43 100

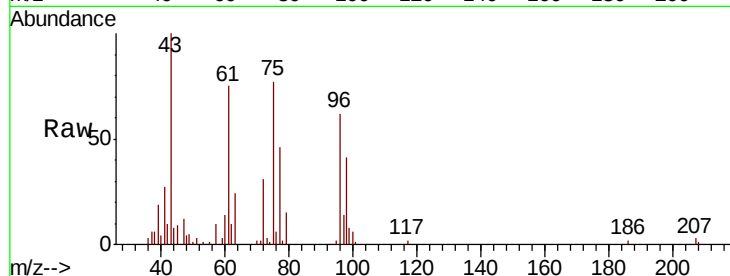
72 31.0 23.2 34.8

Manual Integrations

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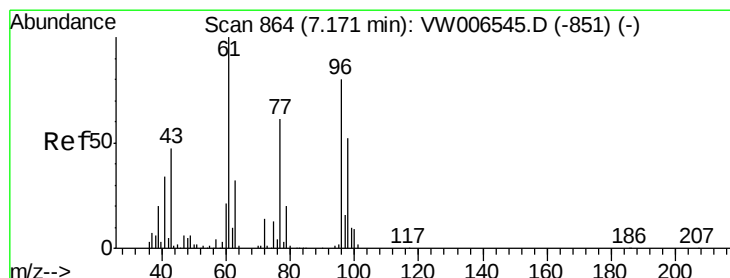
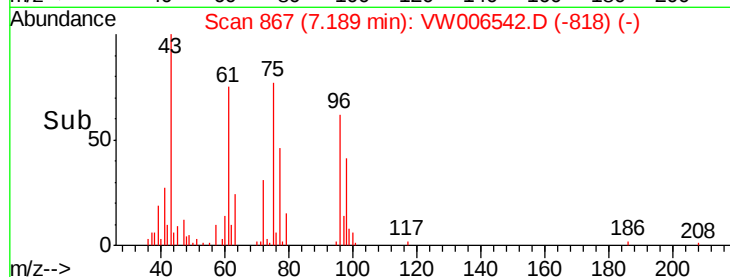
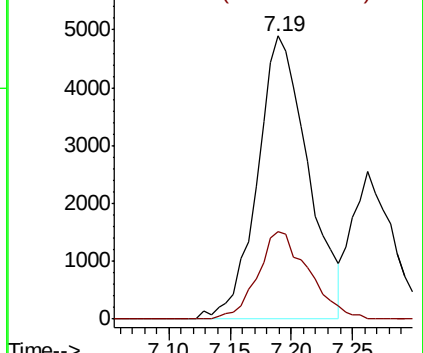
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 4.485 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006542.D

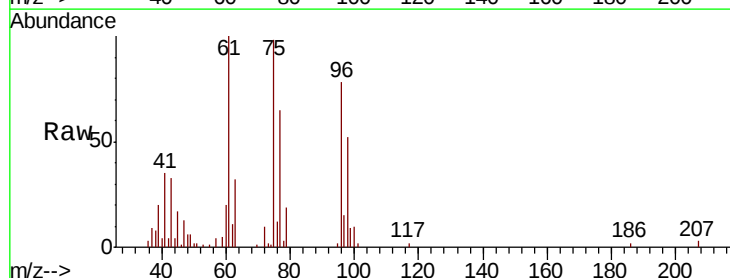
Acq: 31 Oct 2018 23:29

Tgt Ion: 77 Resp: 13088

Ion Ratio Lower Upper

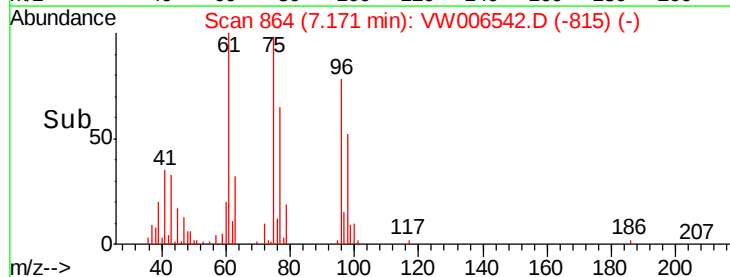
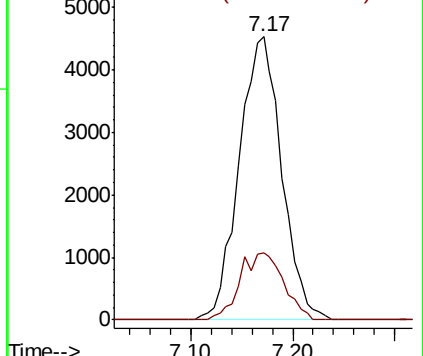
77 100

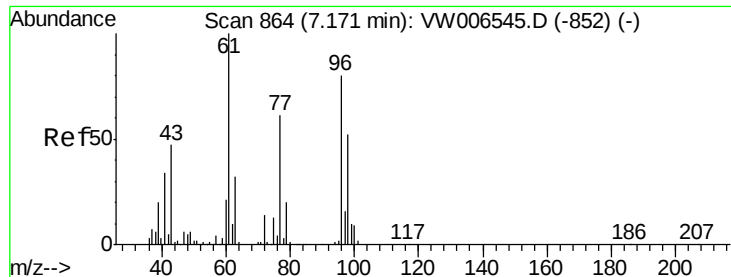
97 24.3 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

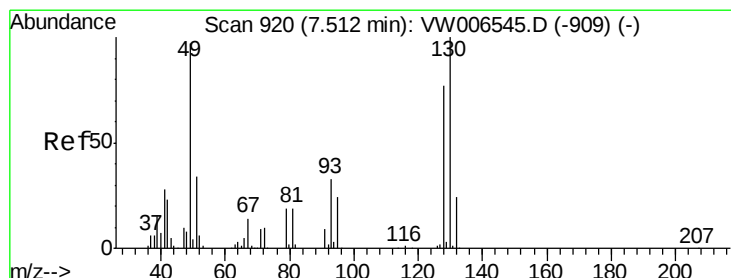
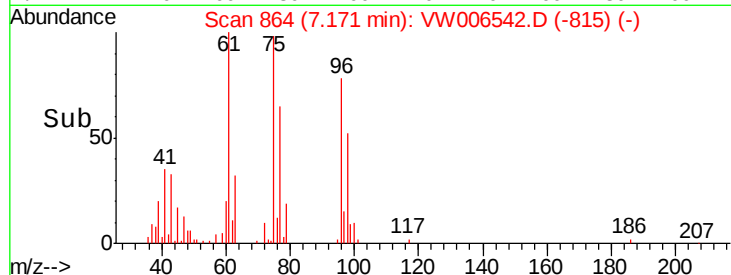
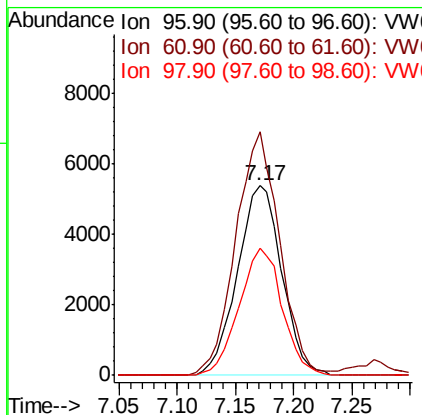
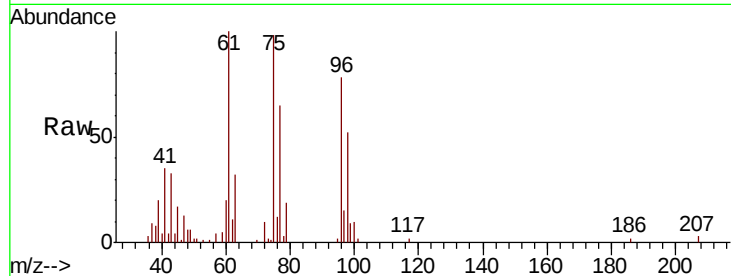
cis-1,2-Dichloroethene
Concen: 4.975 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.1	0.0	254.2
98	65.3	0.0	129.6

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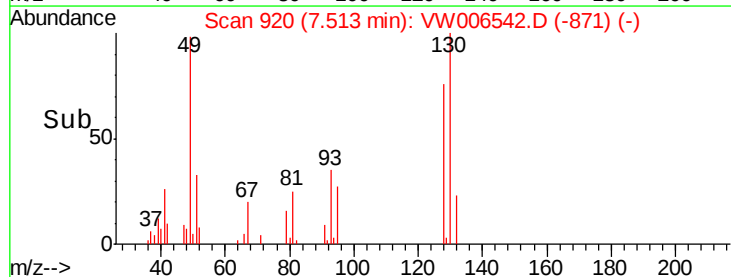
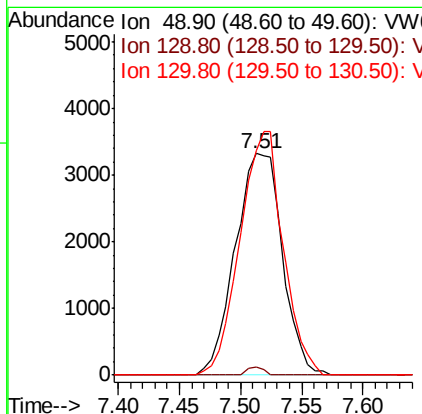
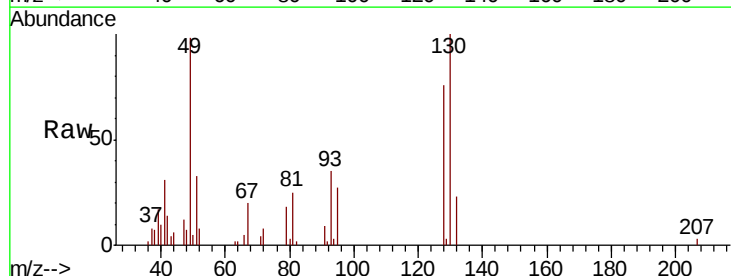
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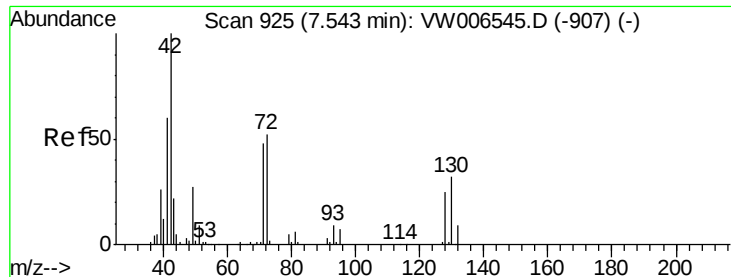


#28

Bromochloromethane
Concen: 5.461 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	5.6
130	101.0	82.2	123.2





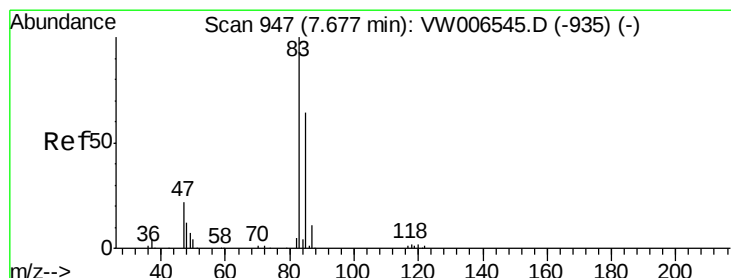
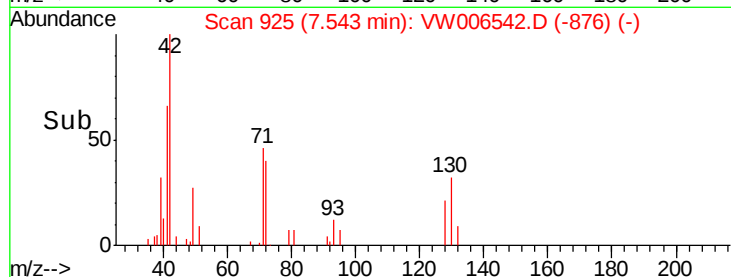
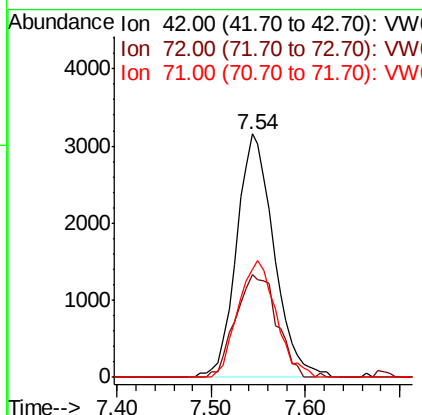
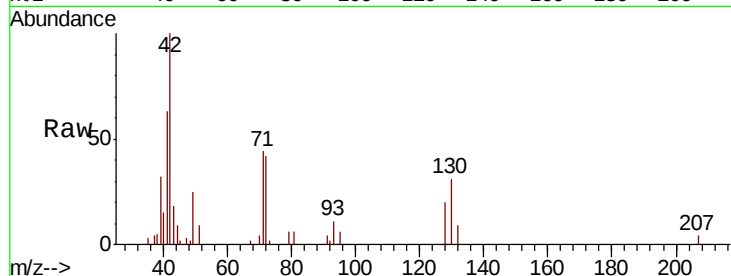
#29
Tetrahydrofuran
Concen: 23.054 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	39.2	58.8
71	48.6	37.6	56.4

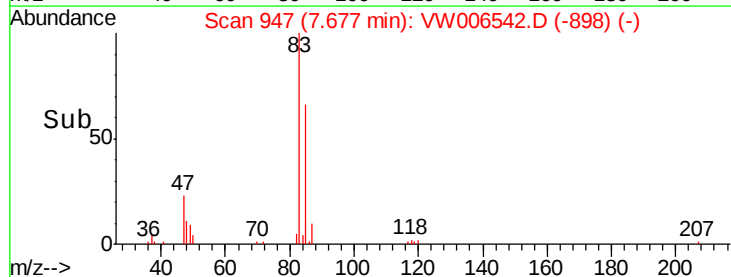
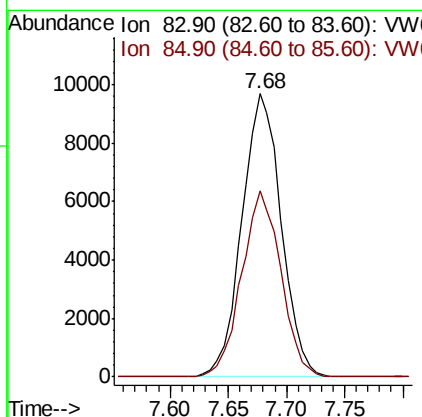
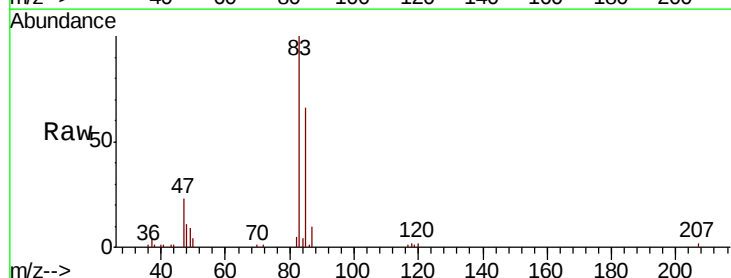
Manual Integrations
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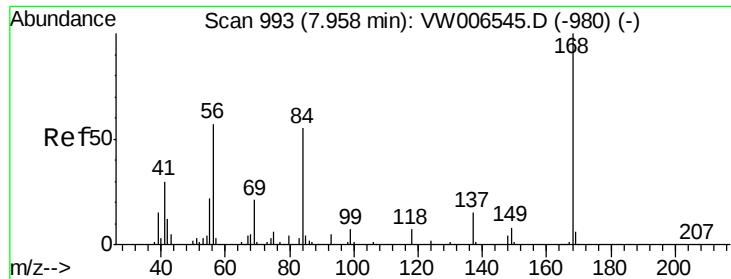
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#30
Chloroform
Concen: 4.929 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.3	76.9





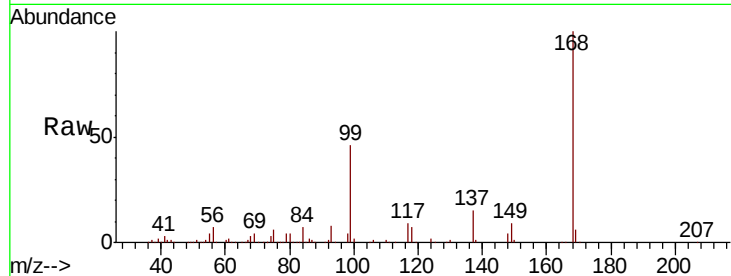
#31
Cyclohexane
Concen: 5.259 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

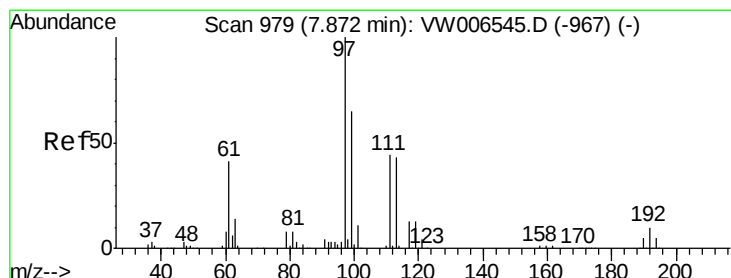
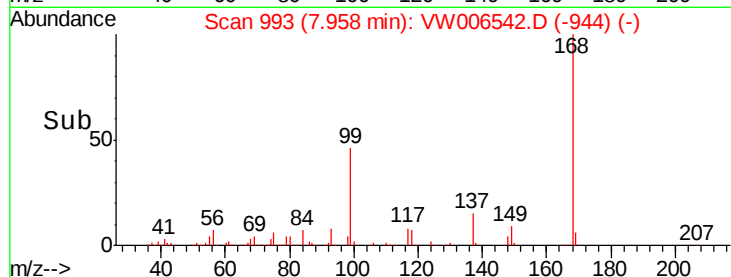
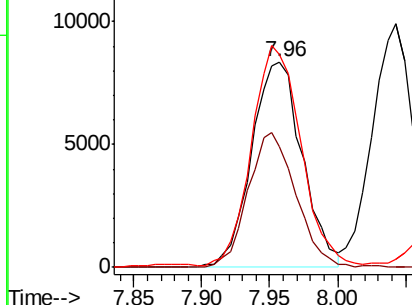
Tot Ion	Ratio	Lower	Upper
56	100		
69	58.8	29.0	43.4#
84	102.5	77.8	116.6

Manual Integrations
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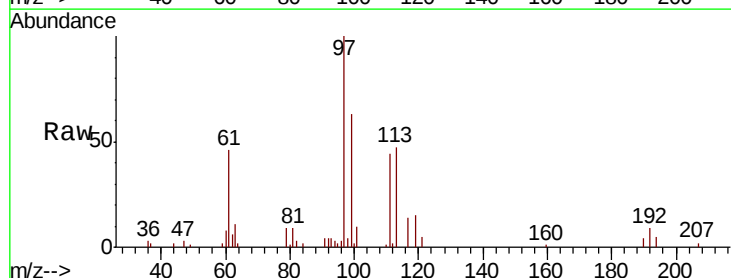


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

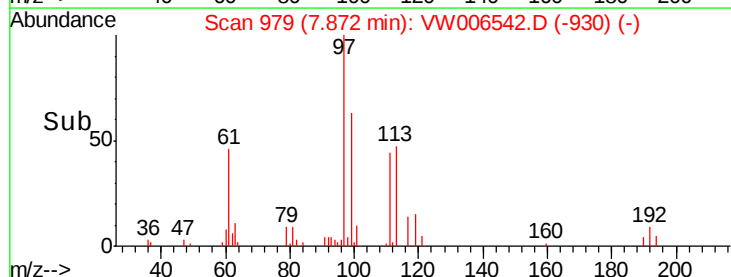
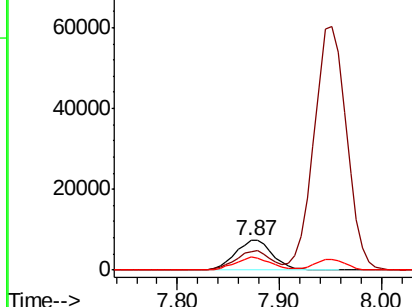


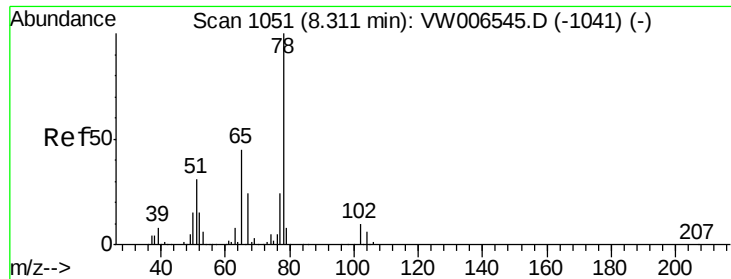
#32
1,1,1-Trichloroethane
Concen: 4.588 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.6	51.7	77.5
61	41.6	32.9	49.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





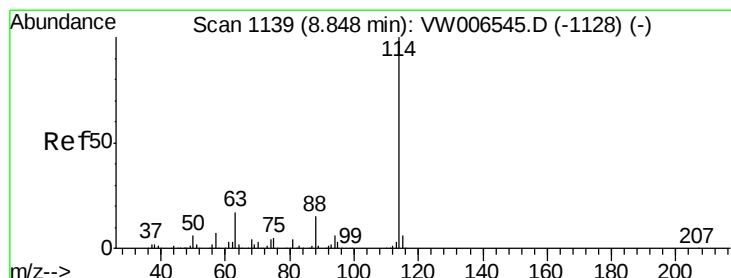
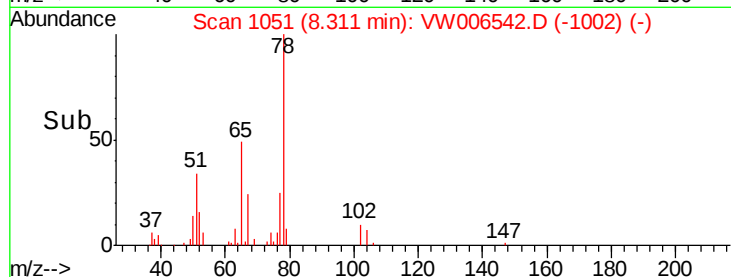
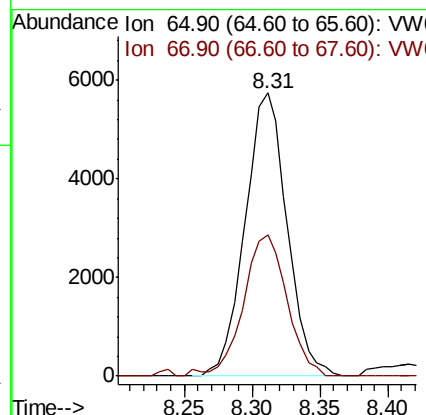
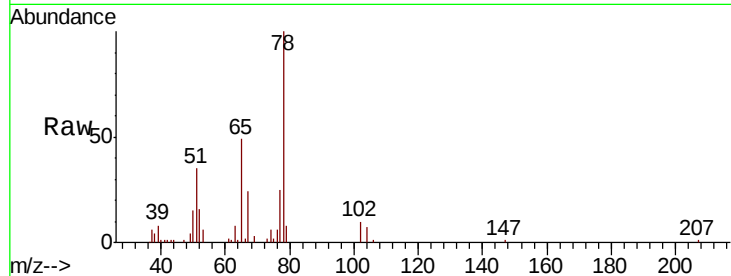
#33
 1,2-Dichloroethane-d4
 Concen: 5.338 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.4

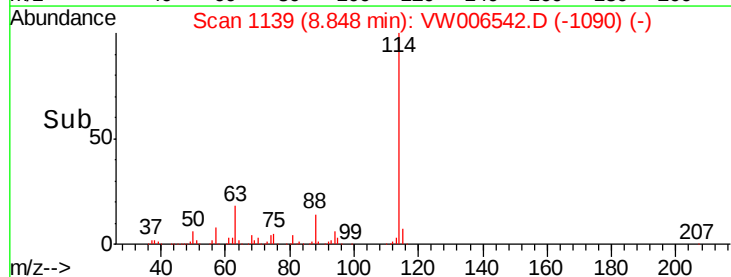
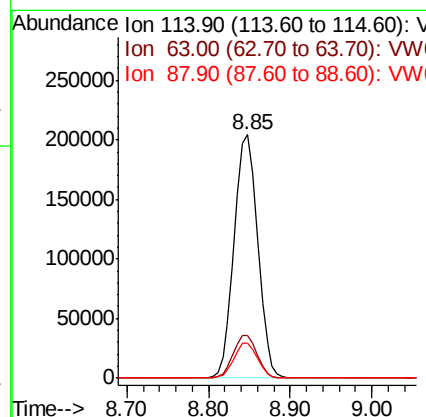
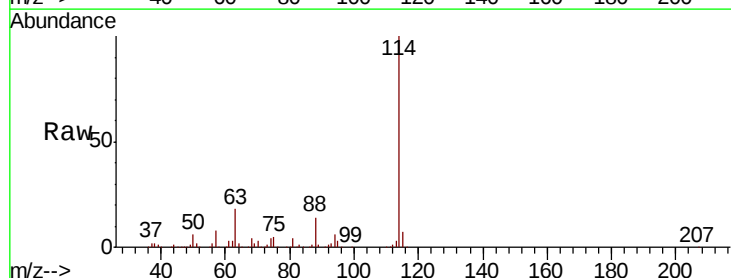
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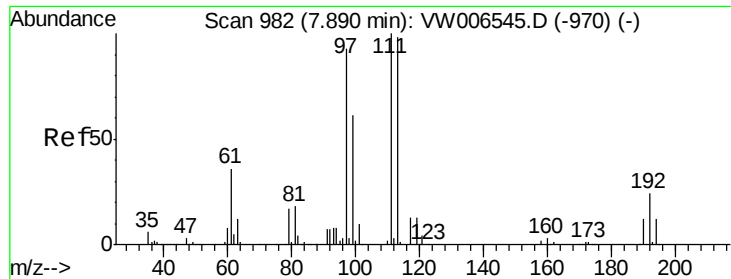
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	34.4
88	14.5	0.0	29.0





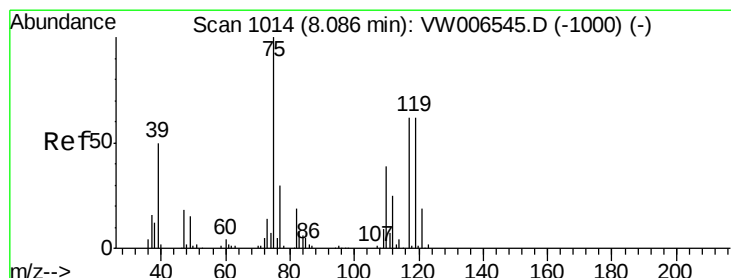
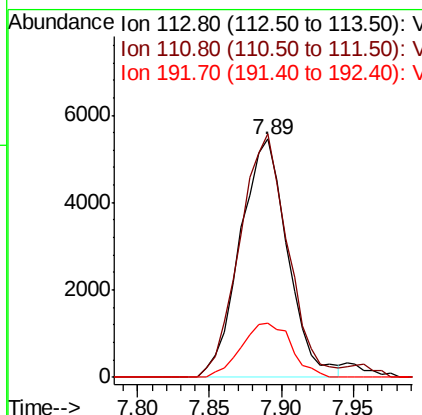
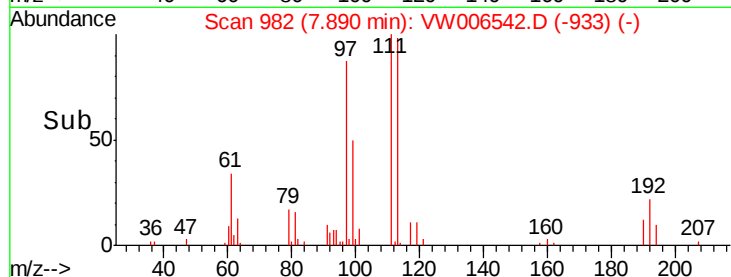
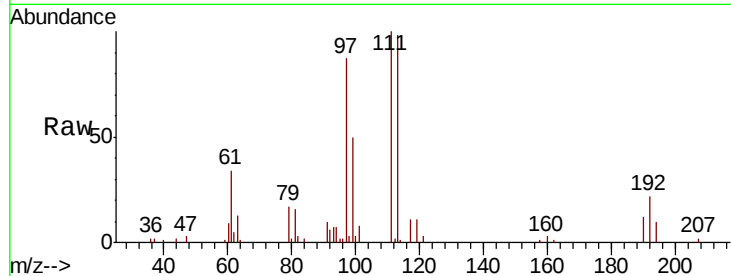
#35
Dibromofluoromethane
Concen: 5.157 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.2
192	23.8	19.0	28.6

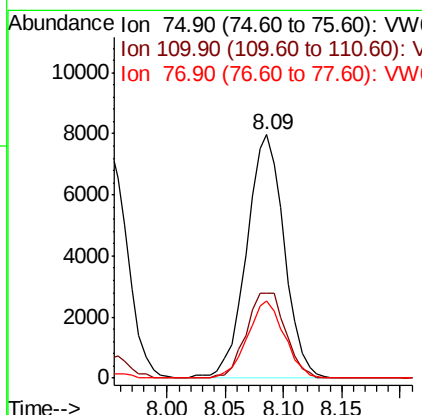
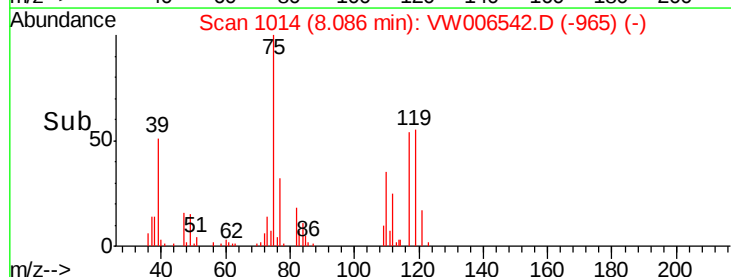
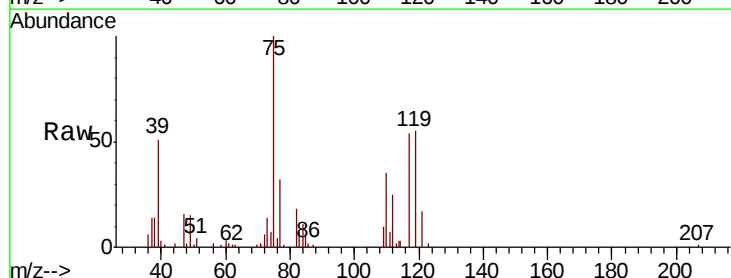
Manual Integrations
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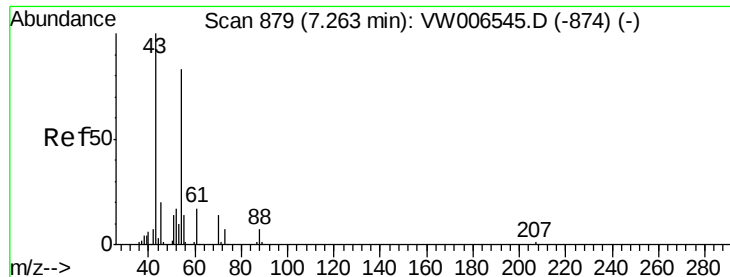
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#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	19.5	58.5
77	31.2	24.6	37.0





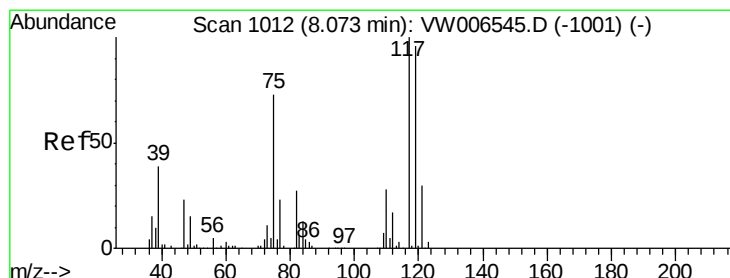
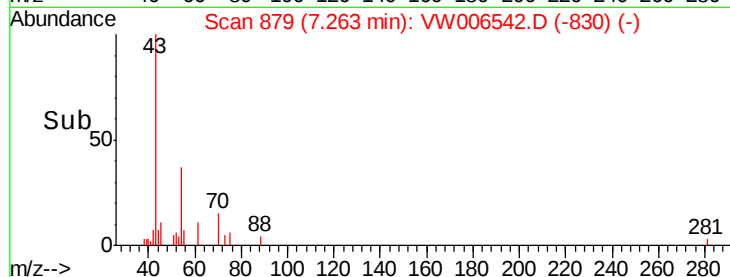
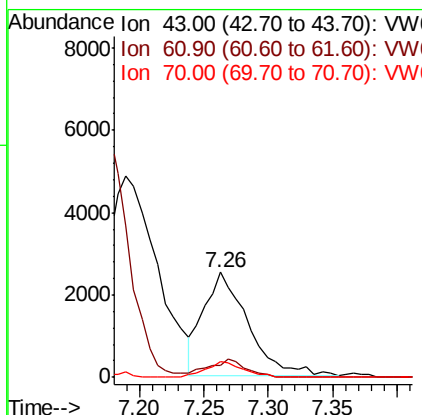
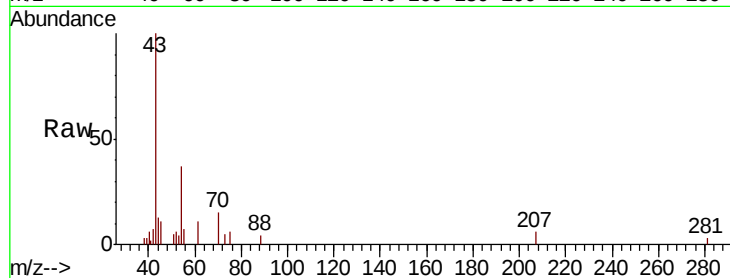
#37
Ethyl Acetate
Concen: 4.403 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion:	43	Resp:	6050
Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.1	18.1
70	12.6	9.8	14.6

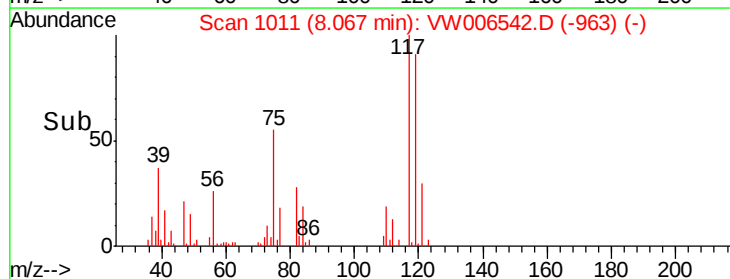
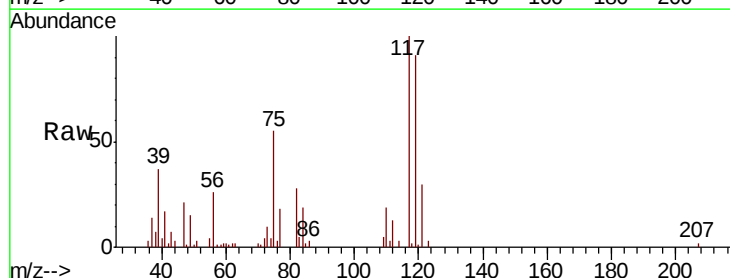
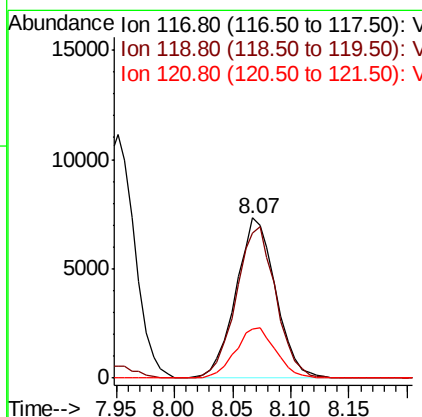
Manual Integrations
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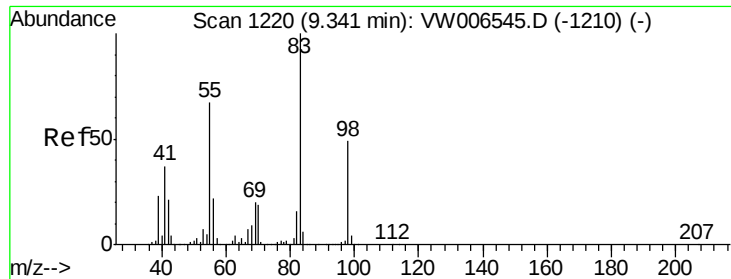
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#38
Carbon Tetrachloride
Concen: 4.326 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion:	117	Resp:	17501
Ion	Ratio	Lower	Upper
117	100		
119	90.9	76.3	114.5
121	30.3	24.1	36.1





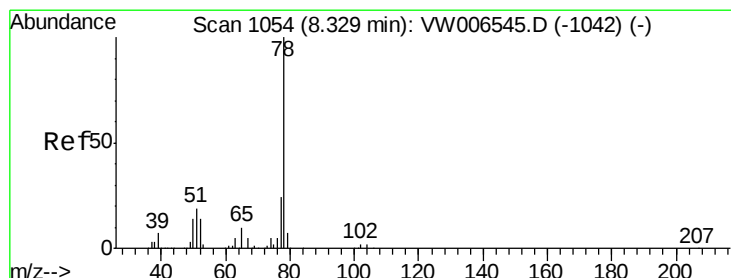
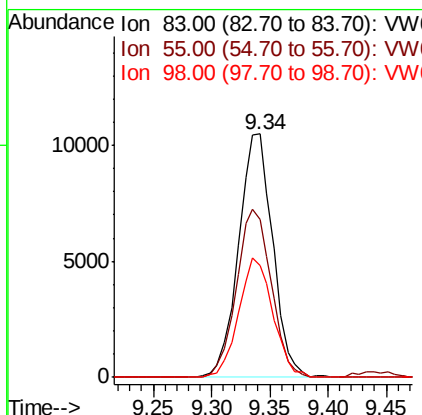
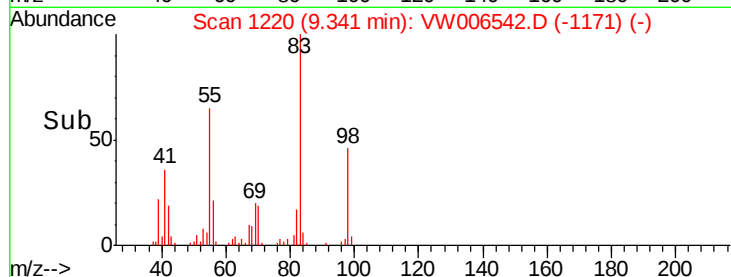
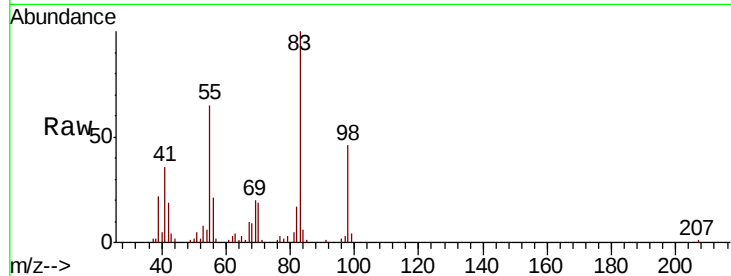
#39
Methvlcvclohexane
Concen: 4.357 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.0	53.7	80.5
98	46.0	39.2	58.8

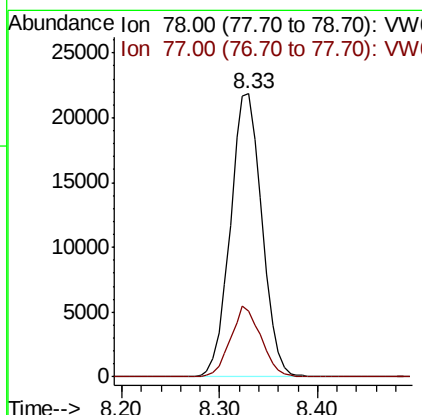
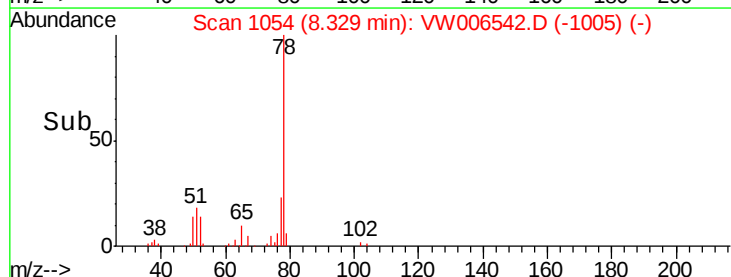
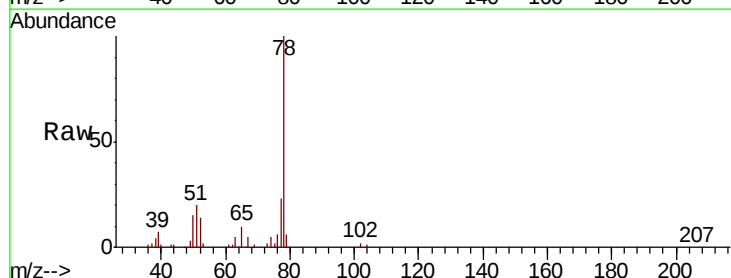
Manual Integrations
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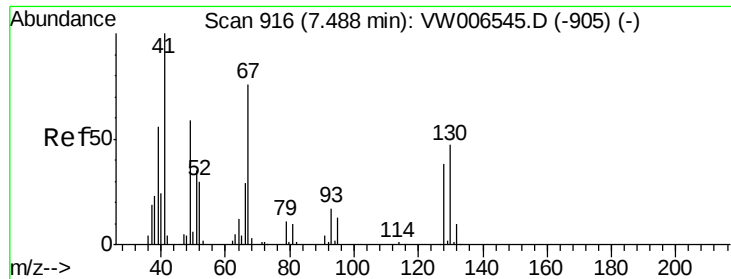
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#40
Benzene
Concen: 4.762 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





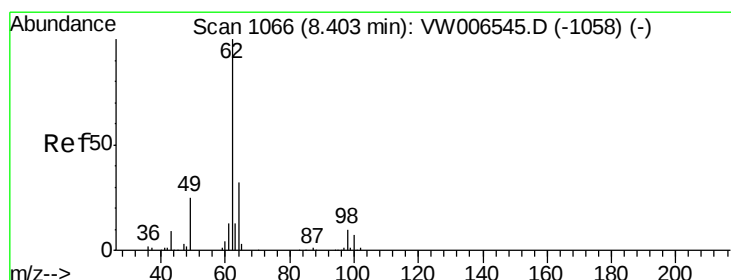
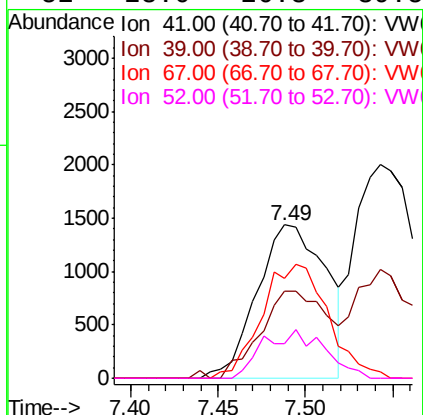
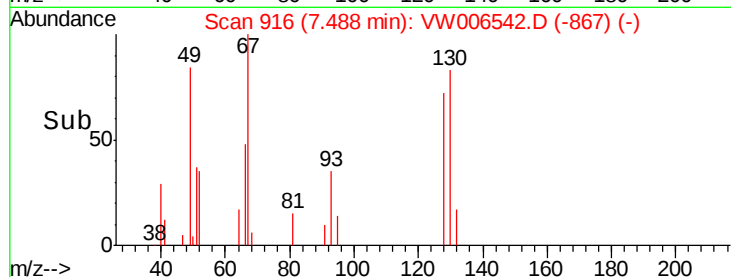
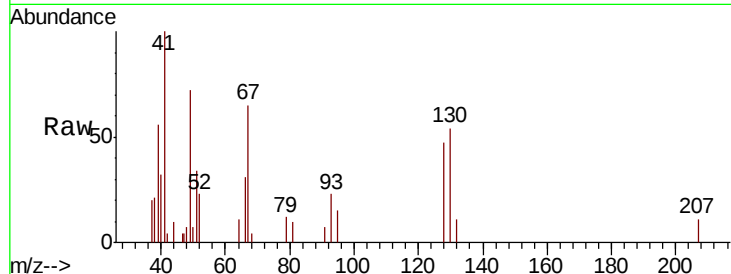
#41
Methacrylonitrile
Concen: 4.809 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	3954
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.5	66.7
67	71.6	63.8	95.8
52	28.0	26.3	39.5

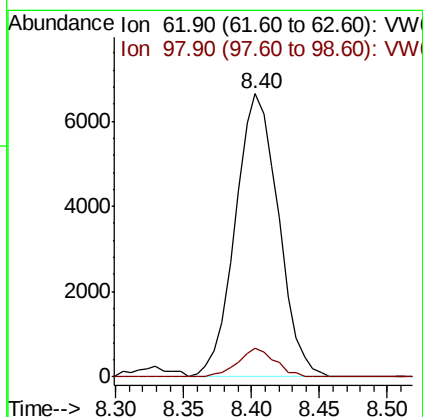
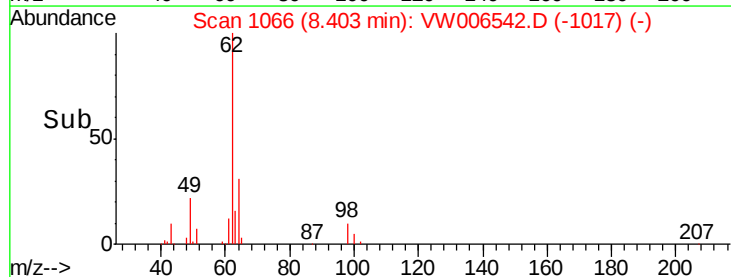
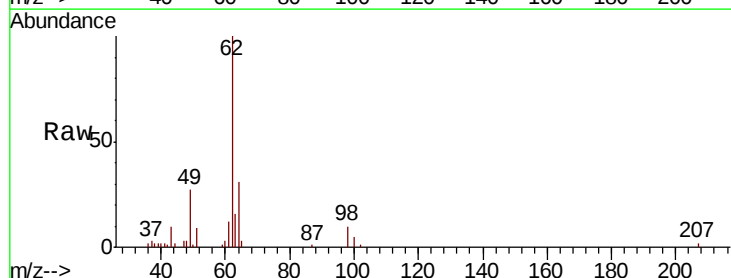
Manual Integrations
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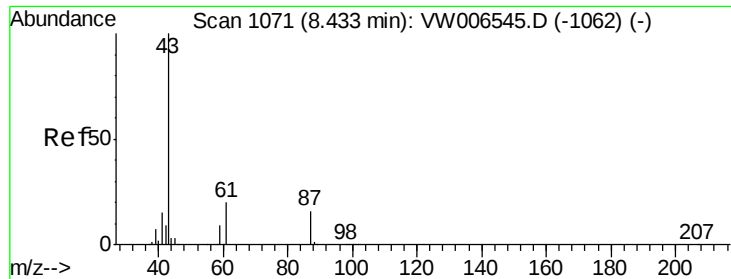
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#42
1,2-Dichloroethane
Concen: 4.907 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion:	62	Resp:	14717
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	19.8





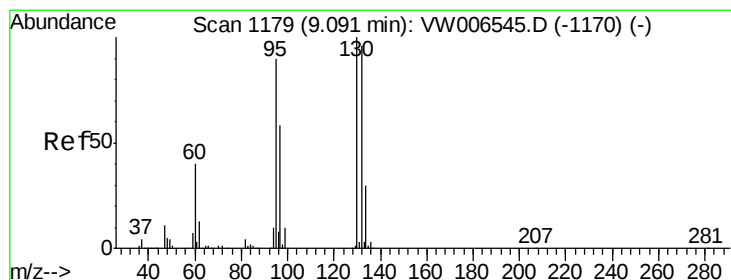
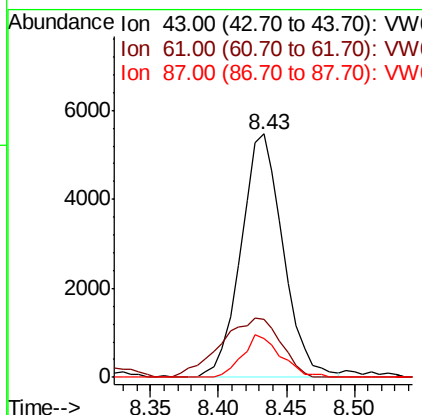
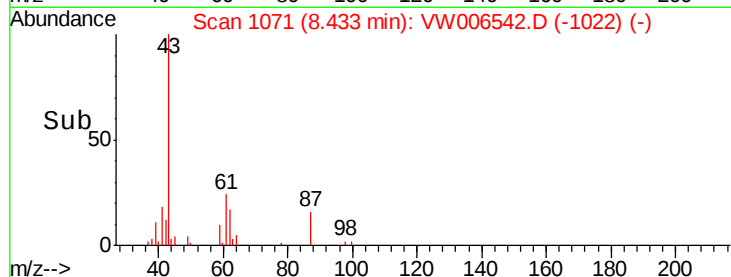
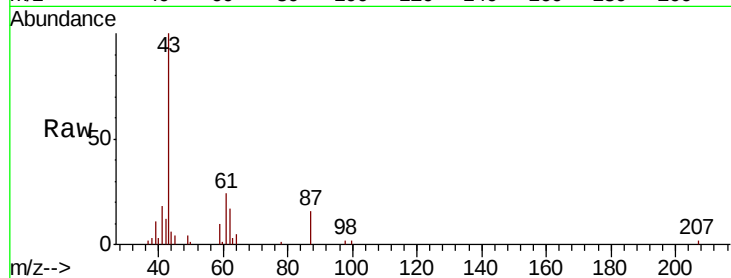
#43
Isopropyl Acetate
Concen: 4.249 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.5	27.2	40.8
87	15.9	12.9	19.3

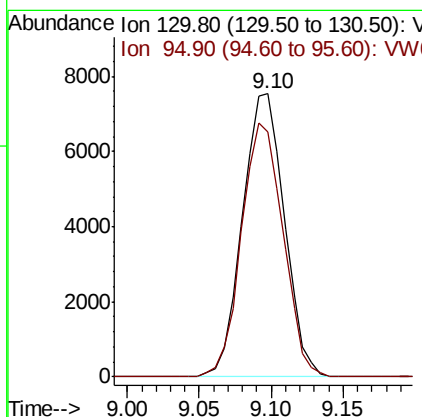
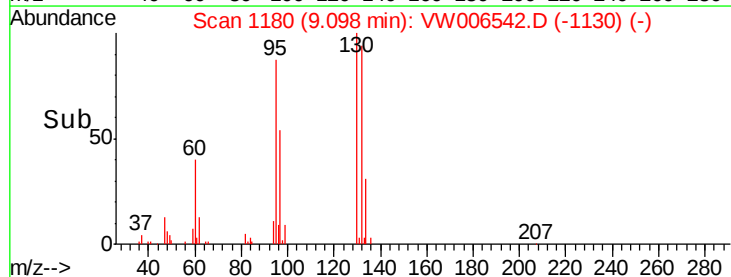
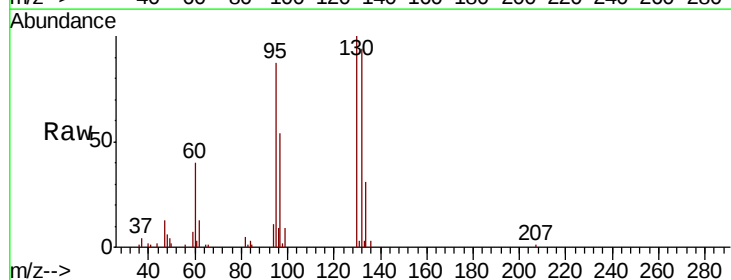
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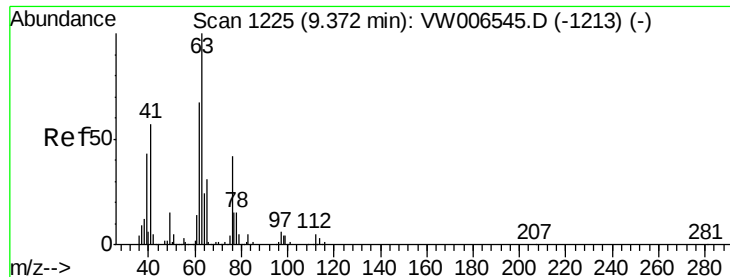
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#44
Trichloroethene
Concen: 4.824 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.6	0.0	179.2





#45

1,2-Dichloropropane

Concen: 4.530 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 11094

Ion Ratio Lower Upper

63 100

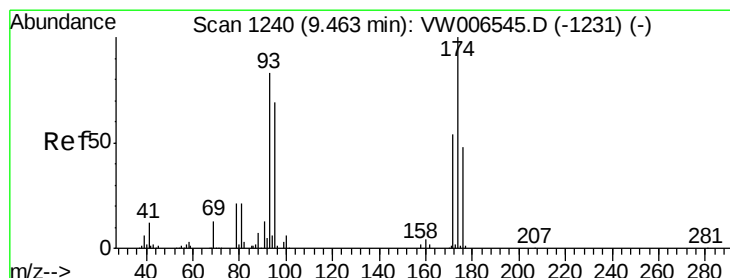
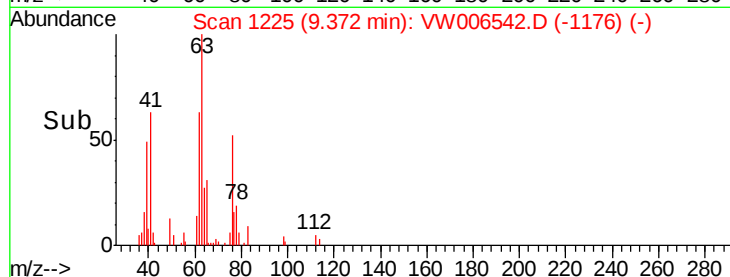
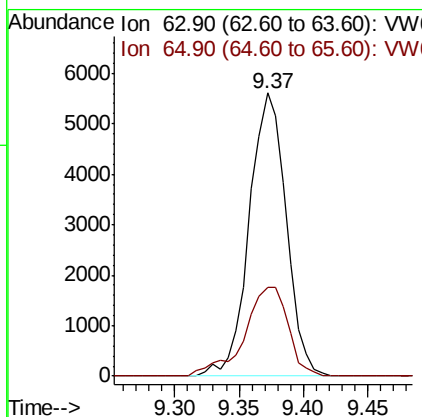
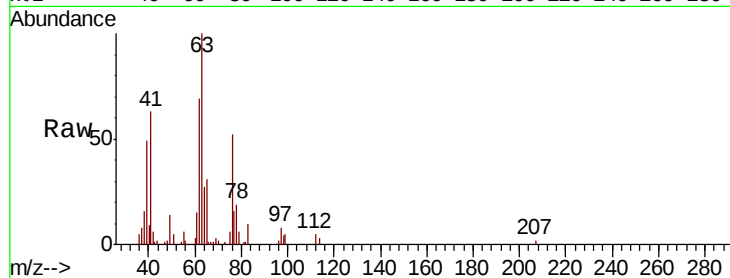
65 31.2 25.1 37.7

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#46

Dibromomethane

Concen: 4.844 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

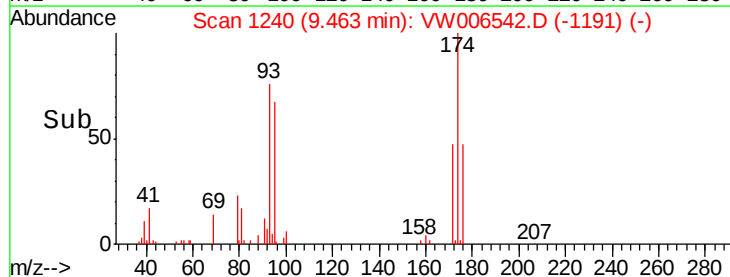
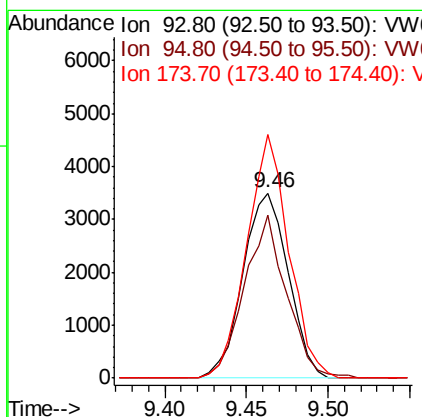
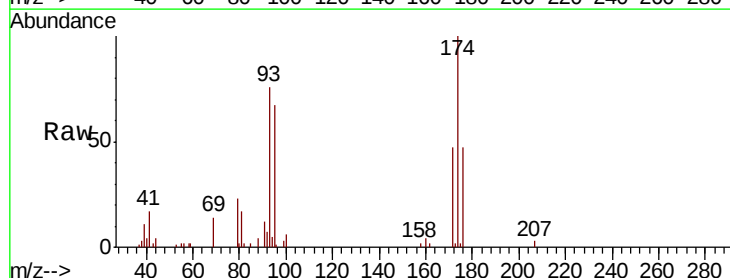
Tgt Ion: 93 Resp: 6780

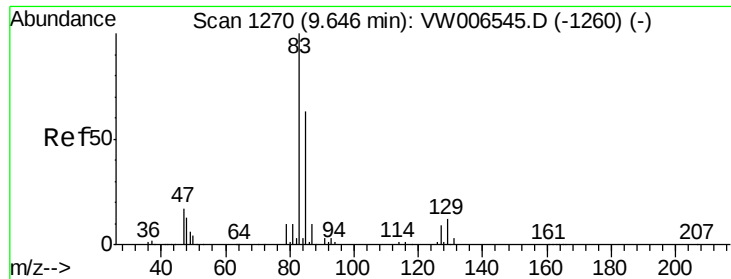
Ion Ratio Lower Upper

93 100

95 82.4 67.2 100.8

174 122.0 97.3 145.9





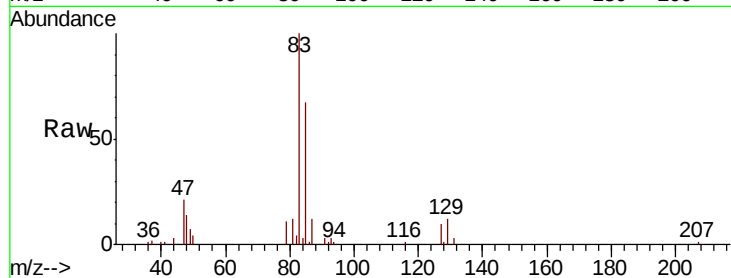
#47
 Bromodichloromethane
 Concen: 4.385 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

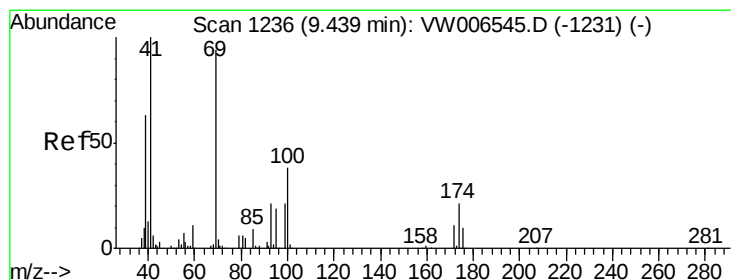
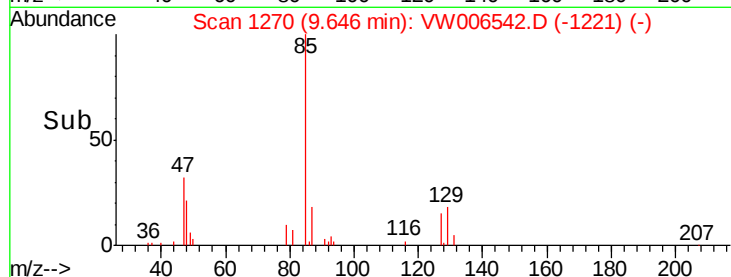
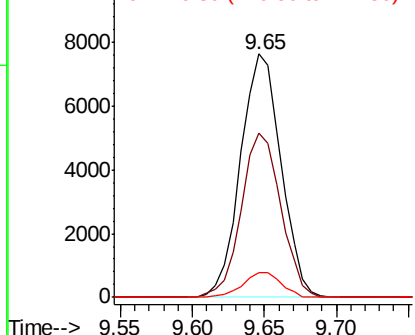
Tot Ion	83	Resp	14830
Ion Ratio	100	Lower	Upper
83	100		
85	67.4	50.6	75.8
127	10.1	7.5	11.3

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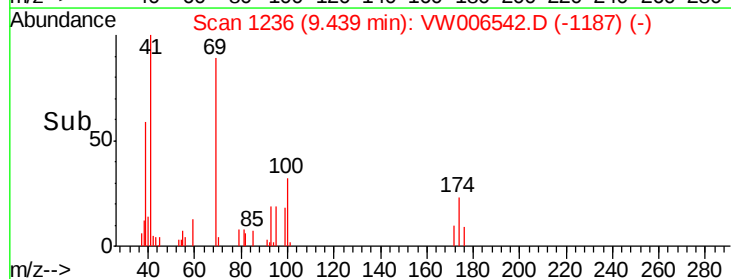
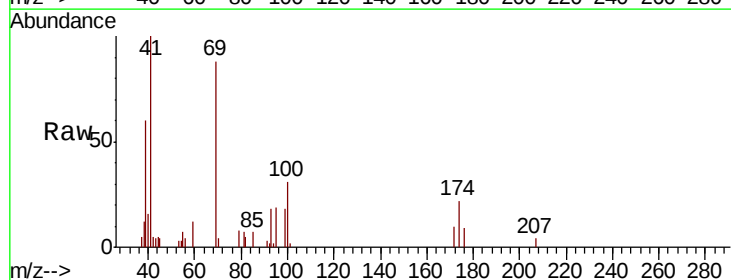
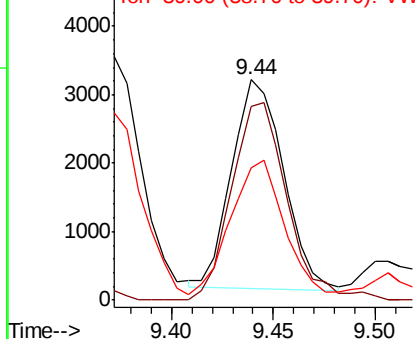
Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

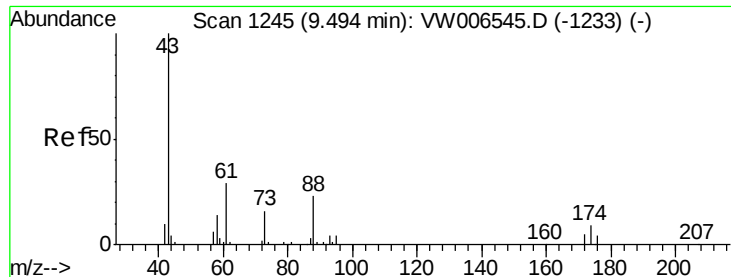


#48
 Methyl methacrylate
 Concen: 4.050 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion	41	Resp	5374
Ion Ratio	100	Lower	Upper
41	100		
69	101.8	77.8	116.8
39	72.1	48.7	73.1

Abundance Ion 41.00 (40.70 to 41.70): VW
 Ion 69.00 (68.70 to 69.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 94.707 ug/l

RT: 9.50 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

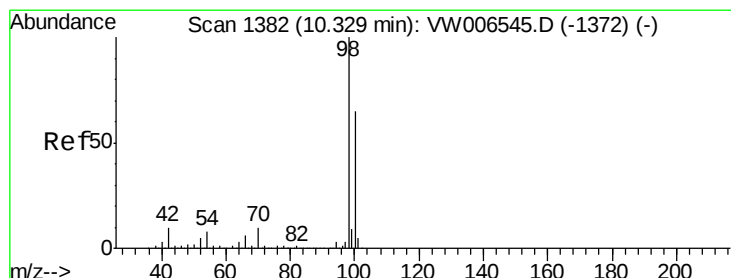
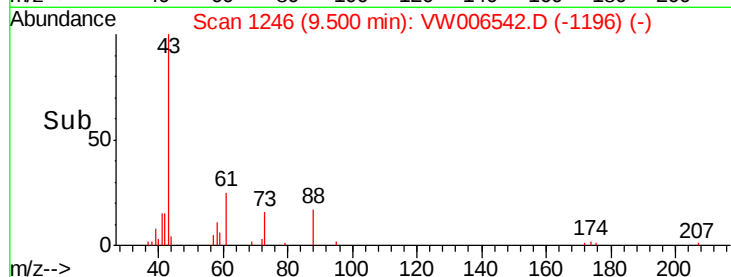
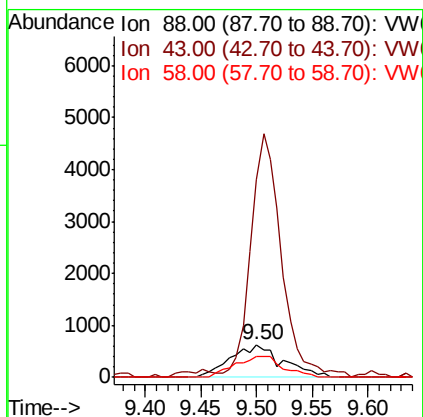
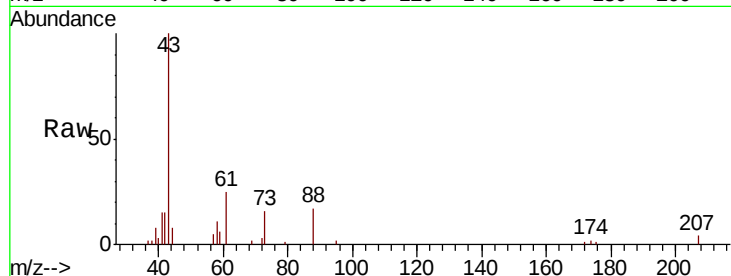
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	2027
Ion	Ratio	Lower	Upper
88	100		
43	444.6	356.6	534.8
58	60.8	51.4	77.2

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#50

Toluene-d8

Concen: 5.051 ug/l

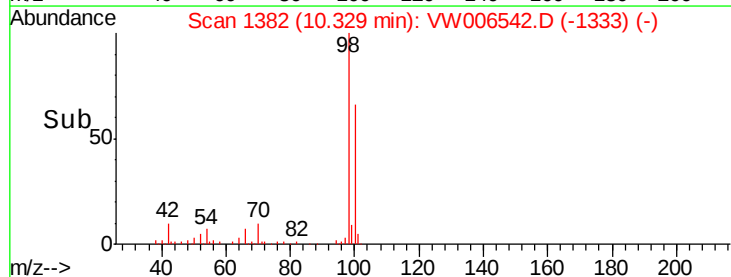
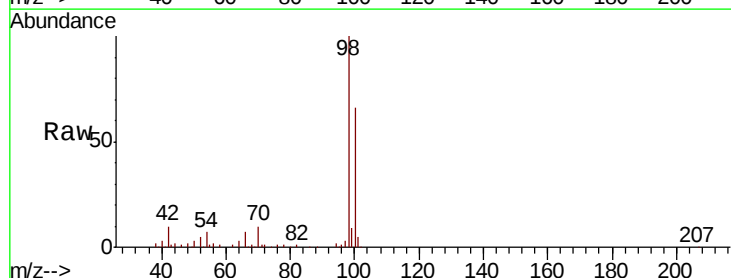
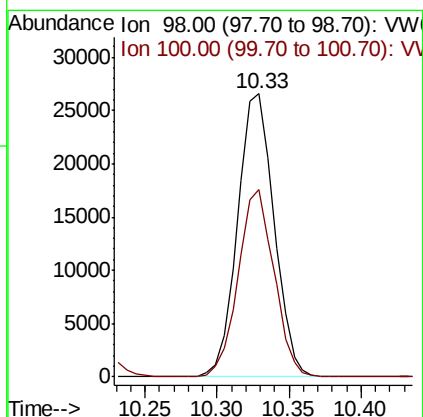
RT: 10.33 min Scan# 1382

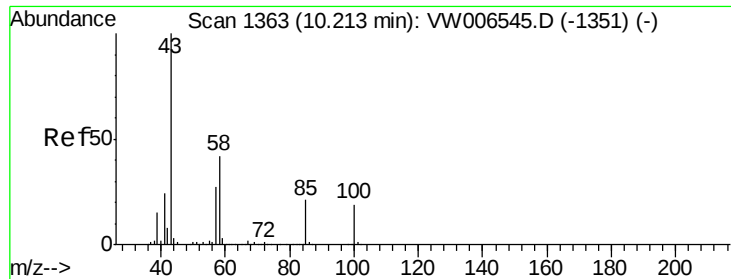
Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Tgt Ion:	98	Resp:	46797
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 21.844 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 30698

Ion Ratio Lower Upper

43 100

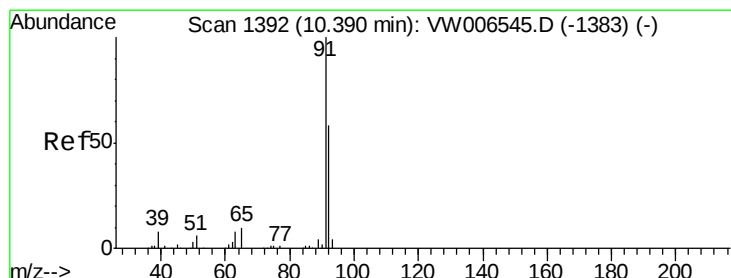
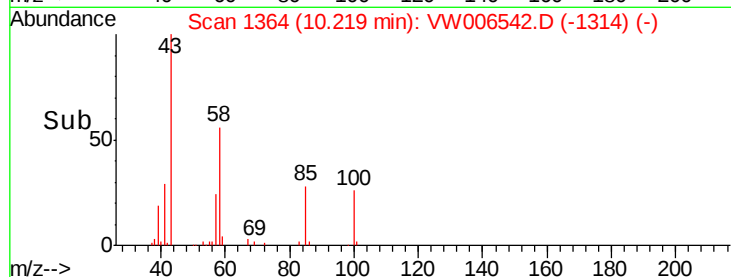
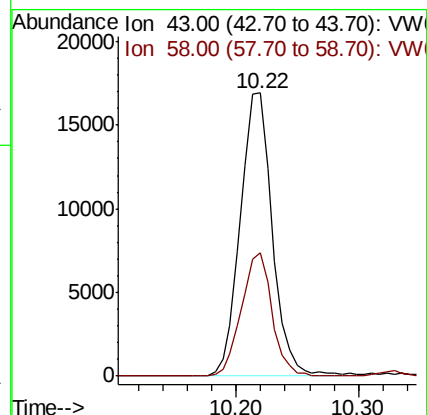
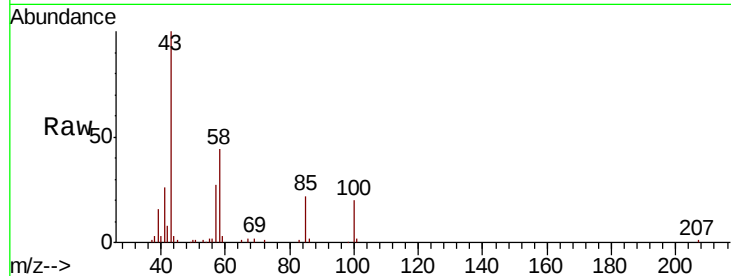
58 41.7 33.4 50.0

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#52

Toluene

Concen: 4.759 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006542.D

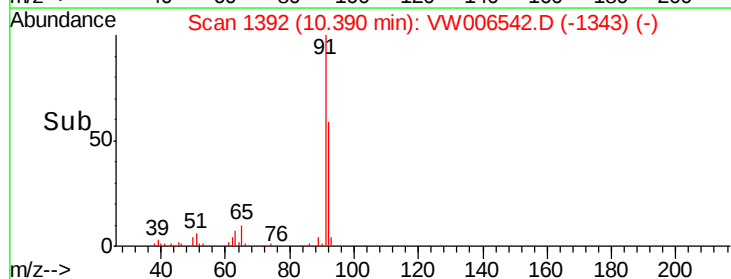
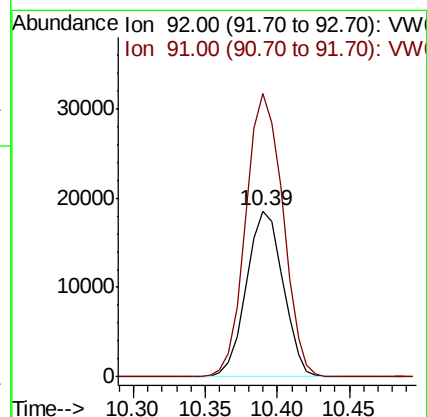
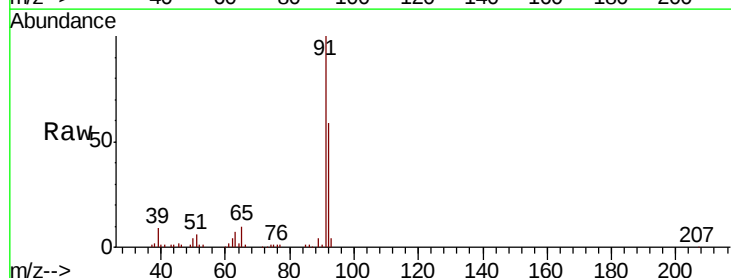
Acq: 31 Oct 2018 23:29

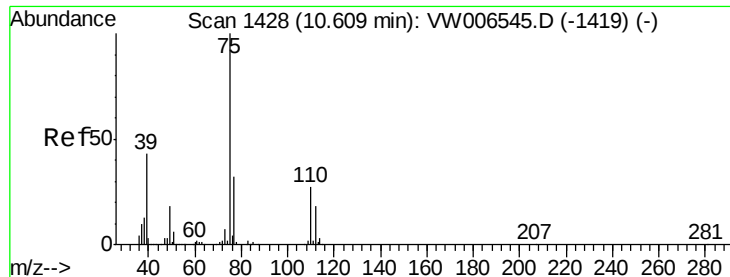
Tgt Ion: 92 Resp: 32773

Ion Ratio Lower Upper

92 100

91 172.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 4.012 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 13465

Ion Ratio Lower Upper

75 100

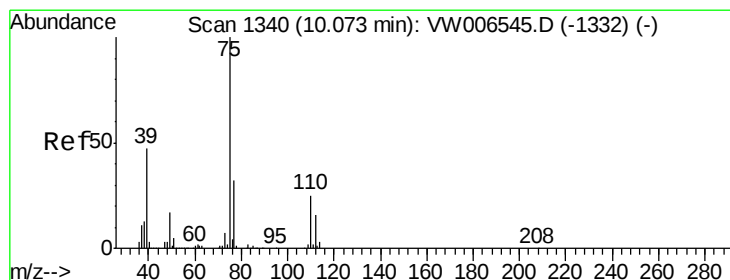
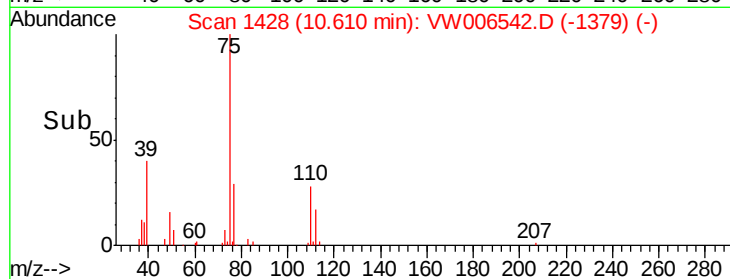
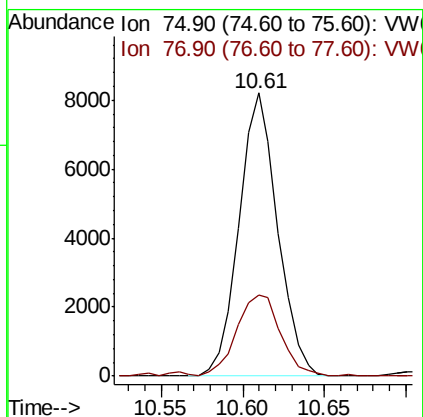
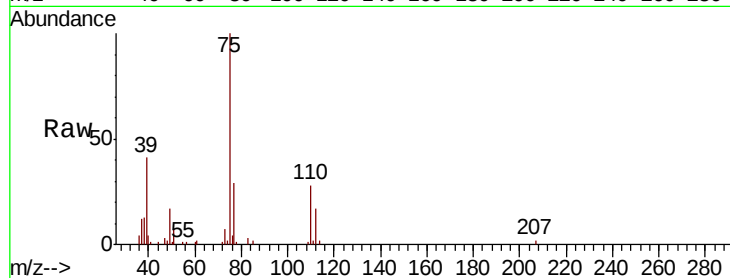
77 28.6 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 4.310 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

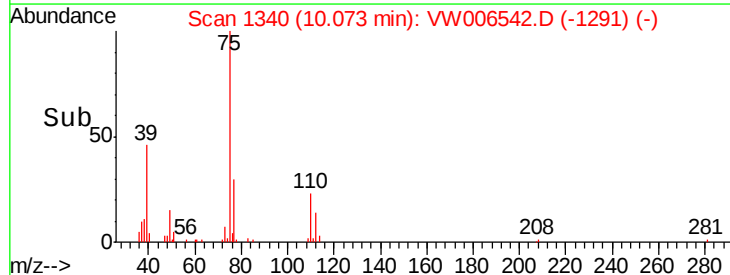
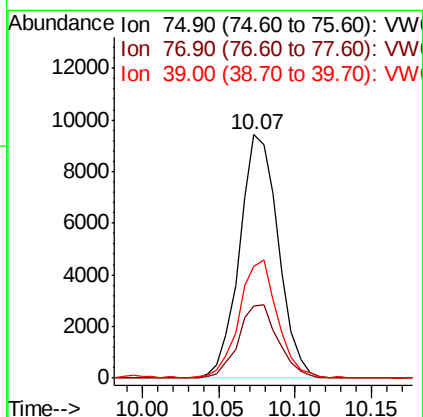
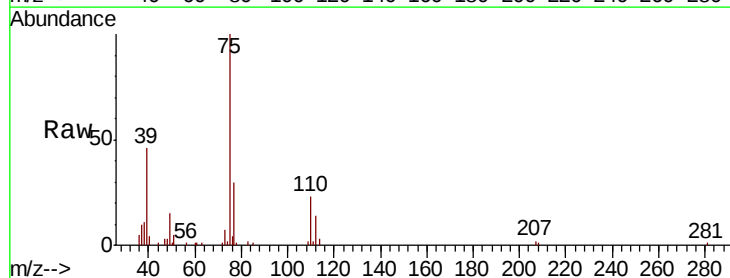
Tgt Ion: 75 Resp: 16638

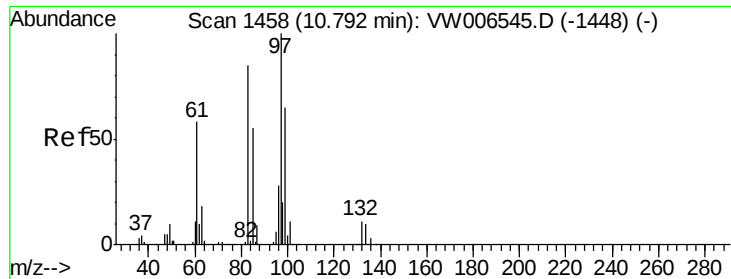
Ion Ratio Lower Upper

75 100

77 29.8 25.7 38.5

39 45.9 37.3 55.9





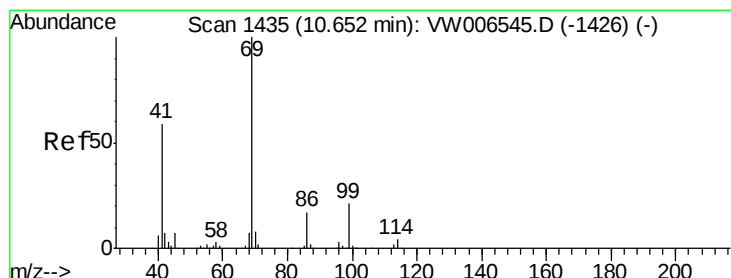
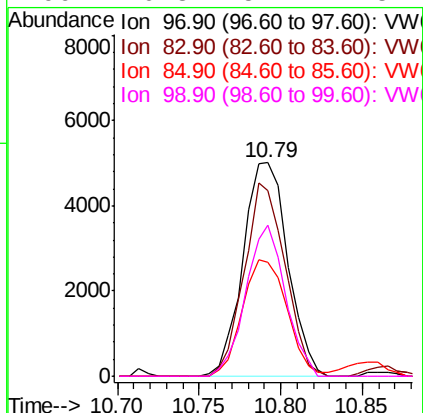
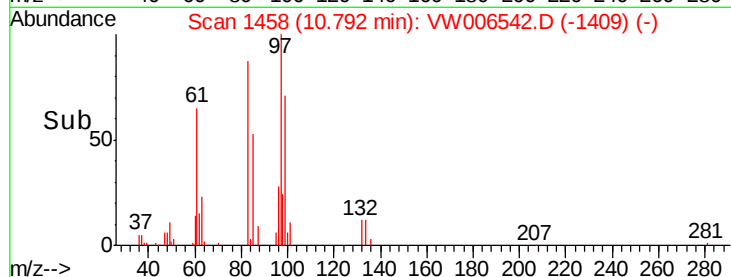
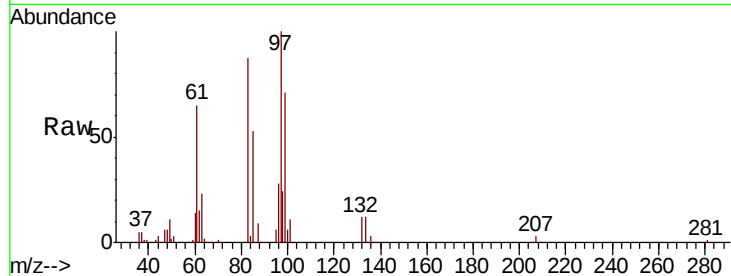
#55
 1,1,2-Trichloroethane
 Concen: 4.868 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9557
Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.9	101.9
85	53.3	44.0	66.0
99	70.8	52.2	78.2

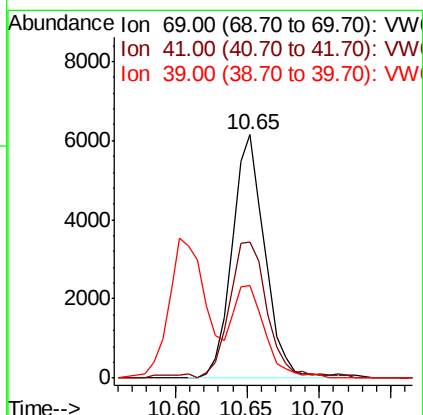
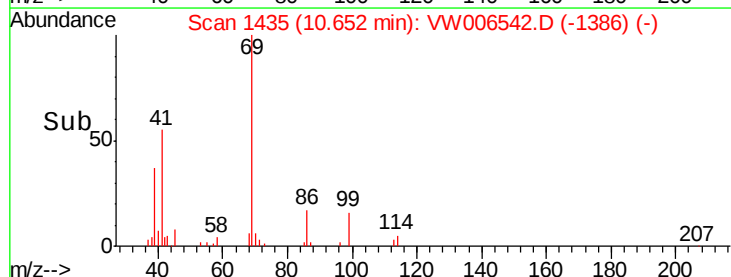
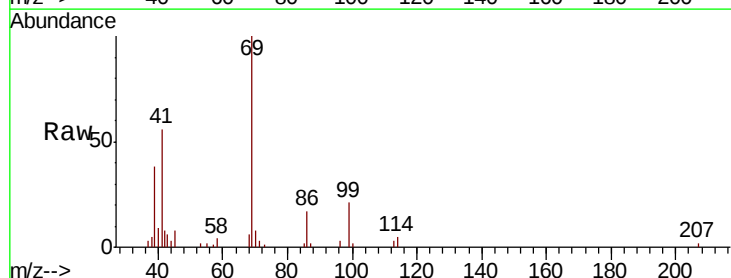
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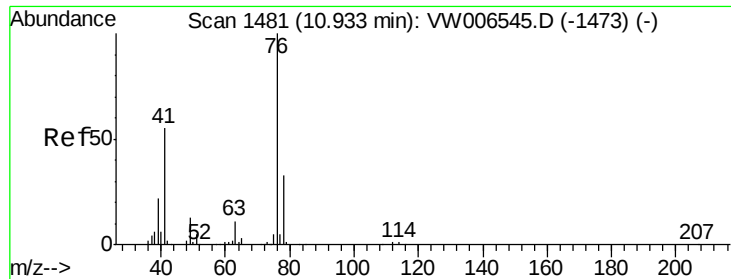
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#56
 Ethyl methacrylate
 Concen: 4.082 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion:	69	Resp:	9757
Ion	Ratio	Lower	Upper
69	100		
41	64.3	47.4	71.2
39	37.6	25.3	37.9





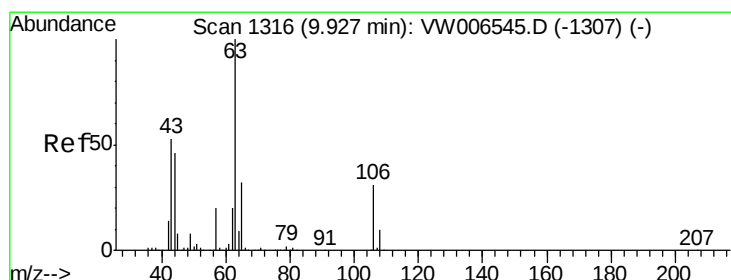
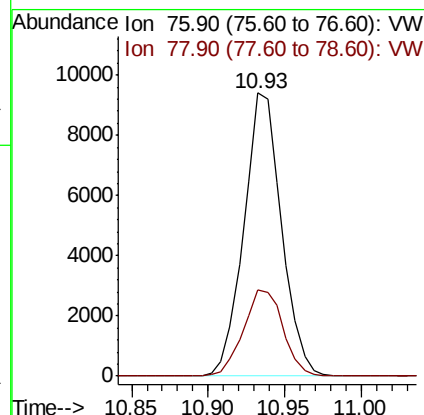
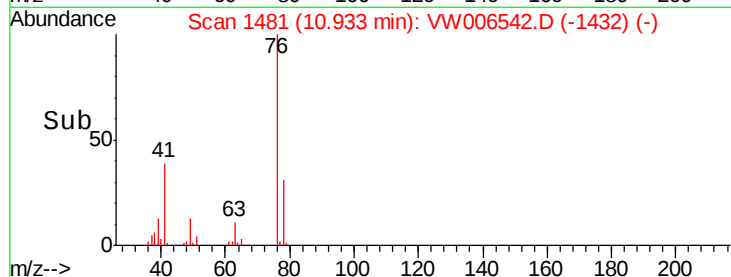
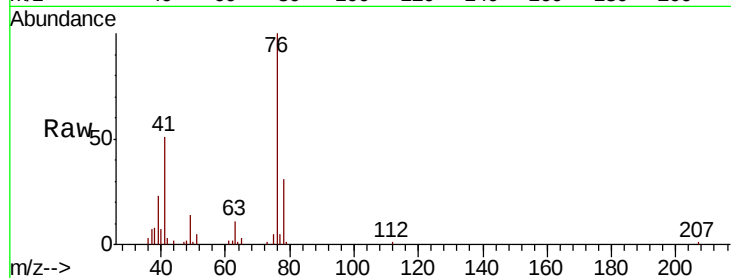
#57
 1,3-Dichloropropane
 Concen: 4.960 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 76 Resp: 16070
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.4

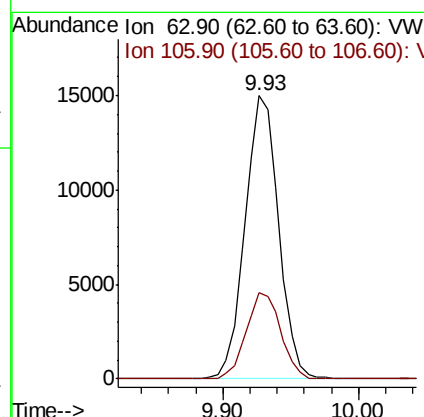
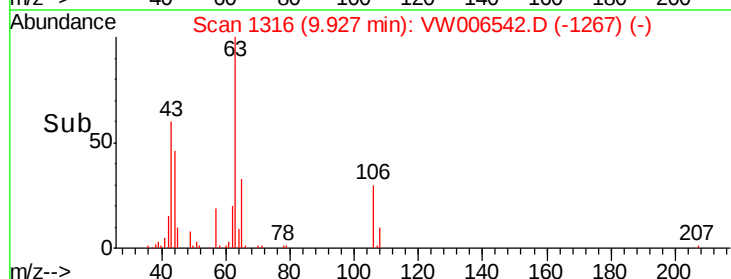
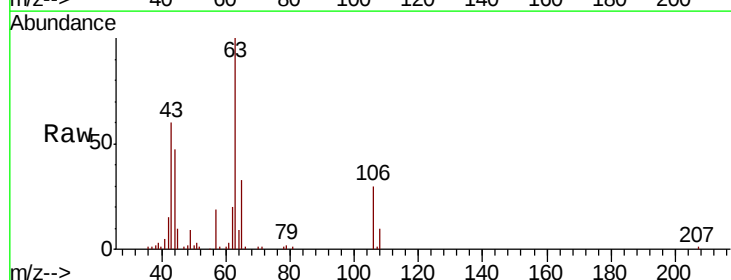
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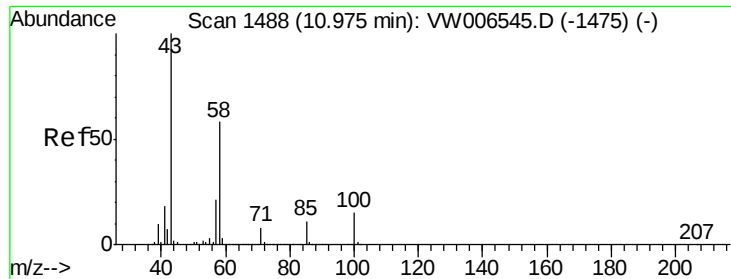
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#58
 2-Chloroethyl Vinyl ether
 Concen: 27.175 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion: 63 Resp: 25809
 Ion Ratio Lower Upper
 63 100
 106 31.3 25.4 38.2





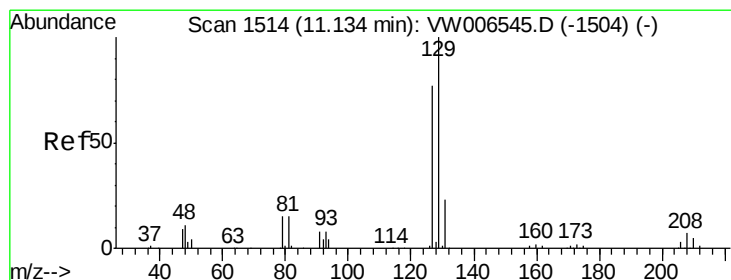
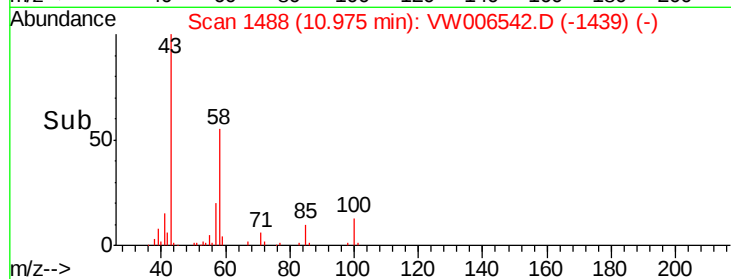
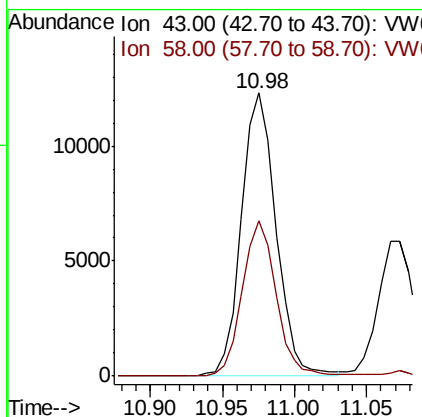
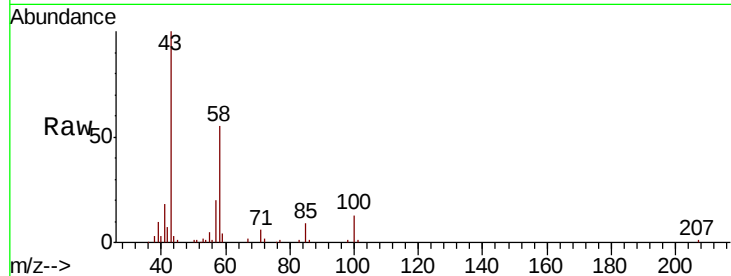
#59
2-Hexanone
Concen: 20.523 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	43	Resp	20506
Ion Ratio	100	Lower	Upper
43	100		
58	53.8	28.8	86.4

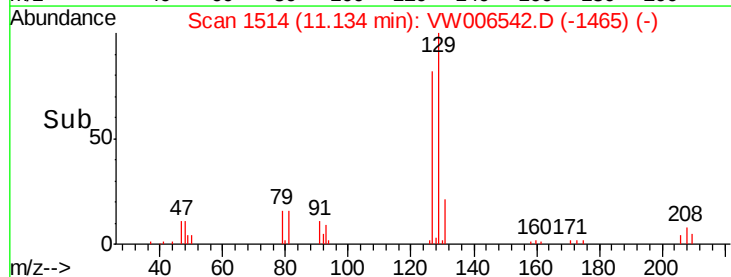
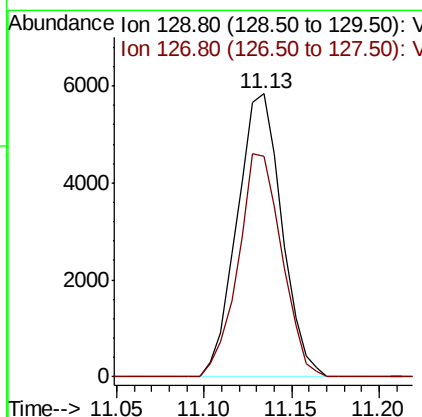
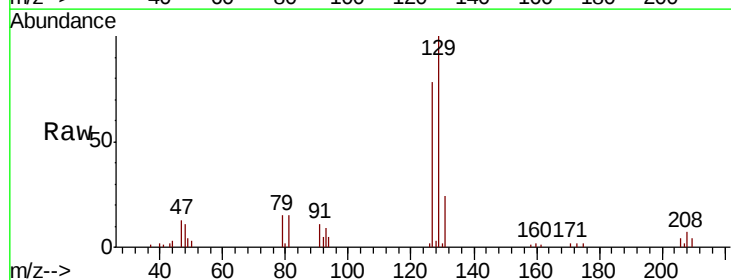
Manual Integrations
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#60
Dibromochloromethane
Concen: 4.269 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	129	Resp	10390
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	38.8	116.3





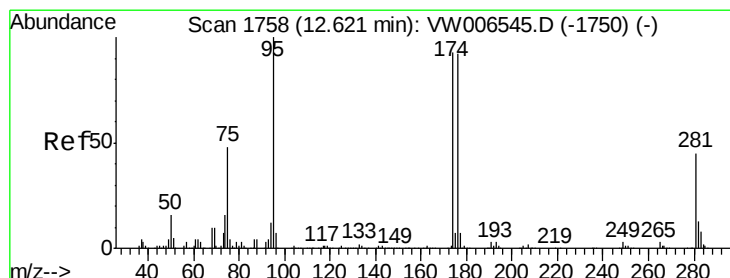
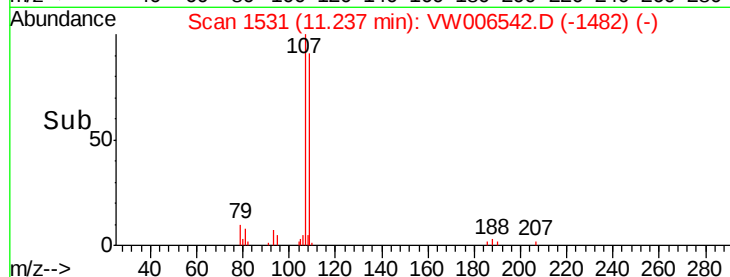
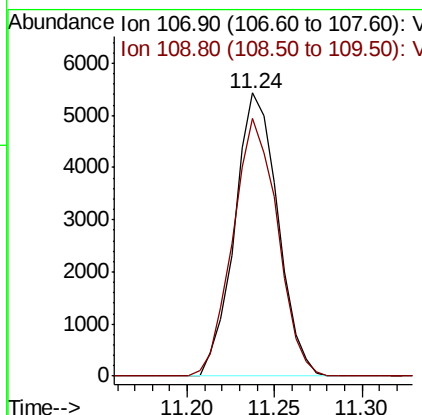
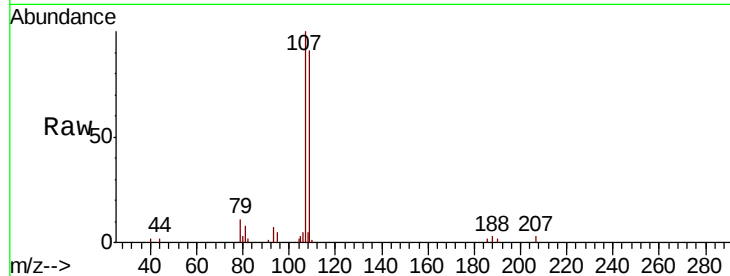
#61
 1,2-Dibromoethane
 Concen: 4.769 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.6

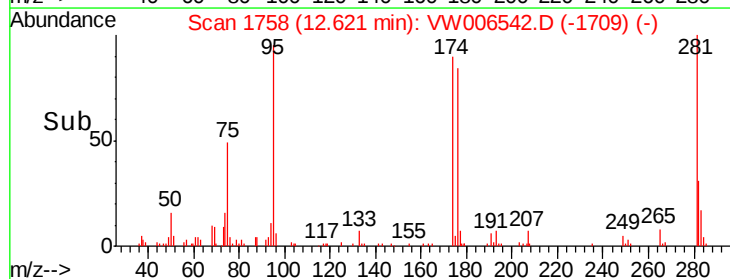
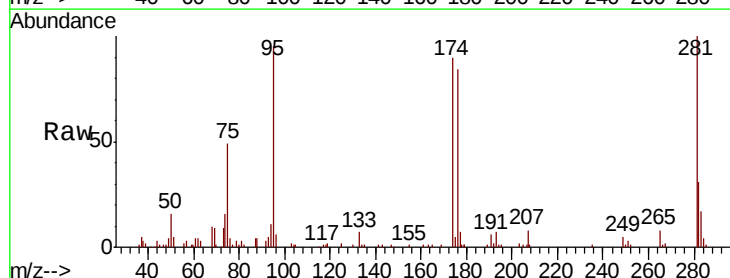
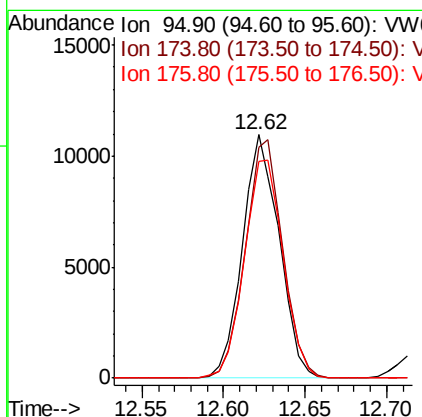
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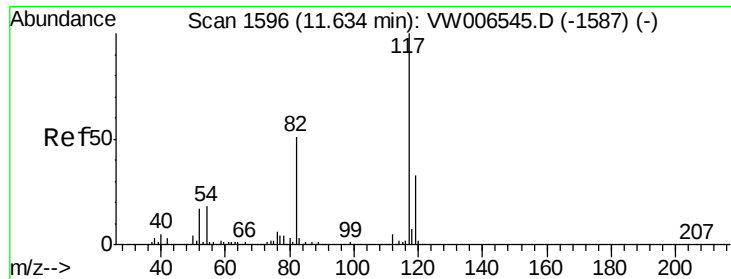
apatel
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#62
 4-Bromofluorobenzene
 Concen: 4.963 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.6	0.0	192.4
176	94.7	0.0	187.4





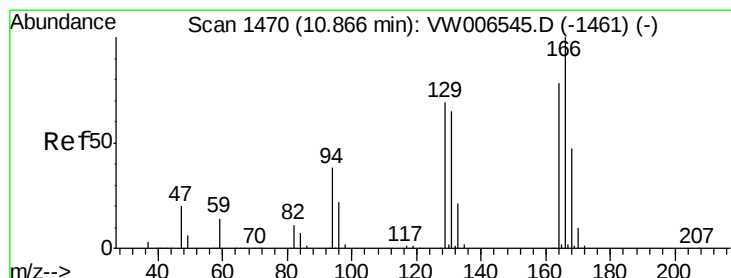
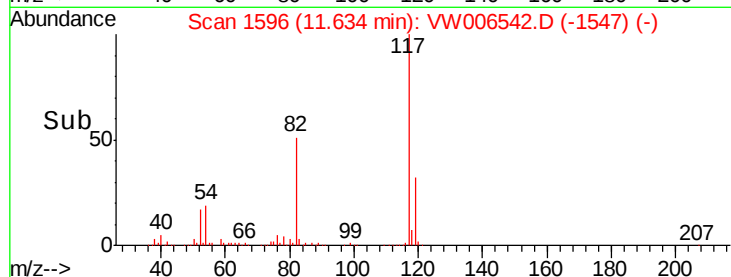
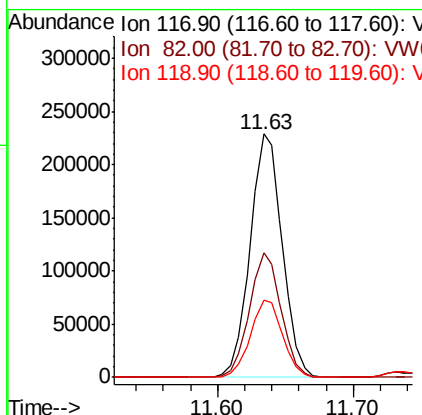
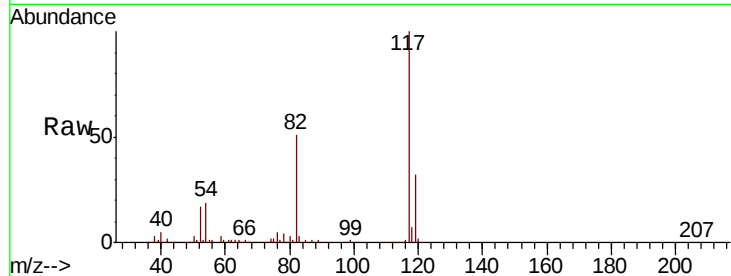
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	40.8	61.2
119	31.6	26.1	39.1

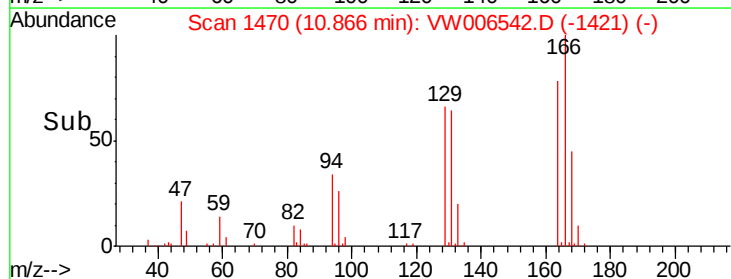
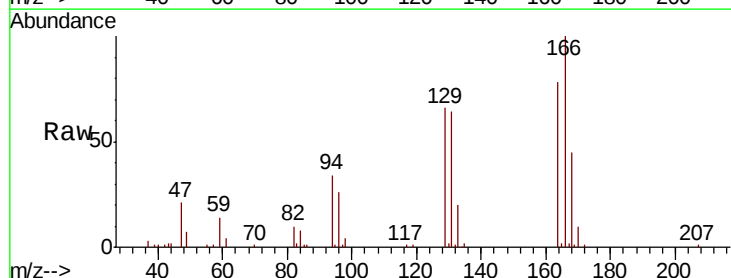
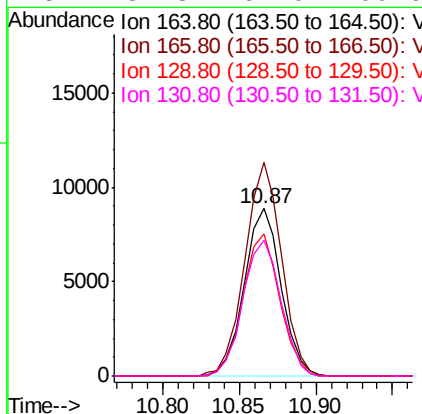
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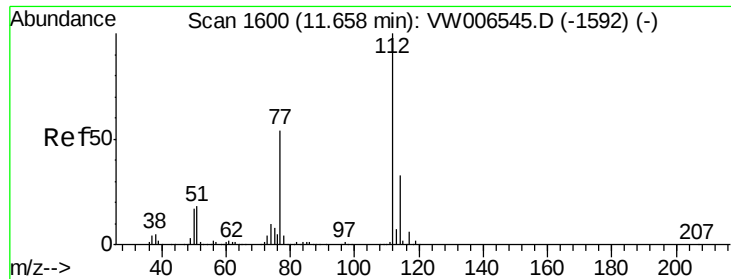
apatel
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#64
Tetrachloroethene
Concen: 5.001 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.8	154.2
129	84.6	70.9	106.3
131	81.3	67.0	100.6





#65

Chlorobenzene

Concen: 4.748 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 38598

Ion Ratio Lower Upper

112 100

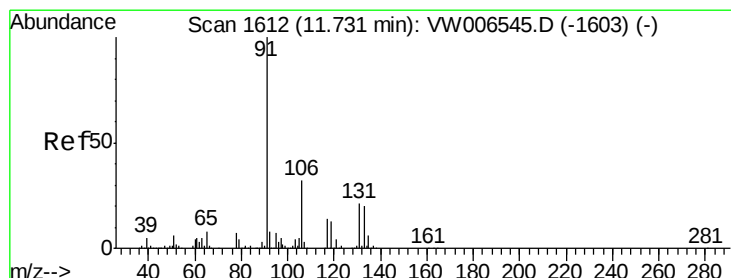
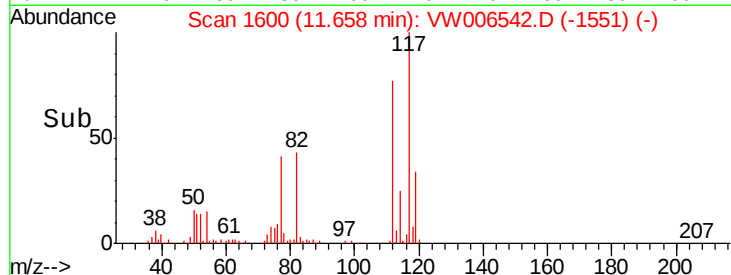
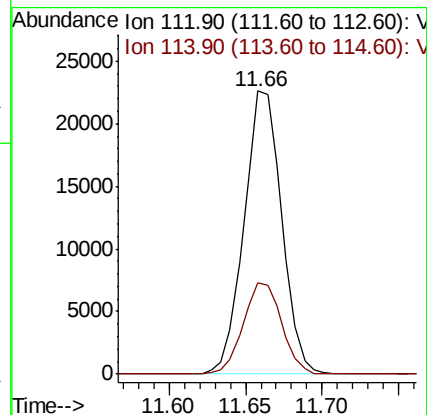
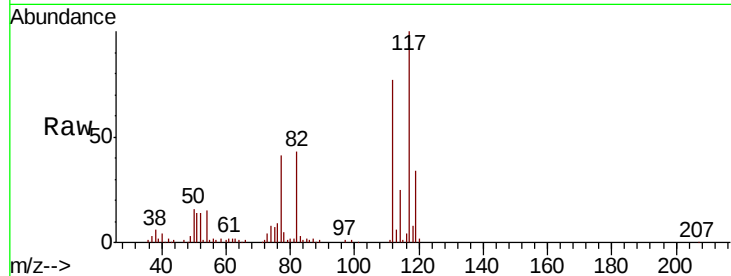
114 32.4 26.2 39.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.512 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

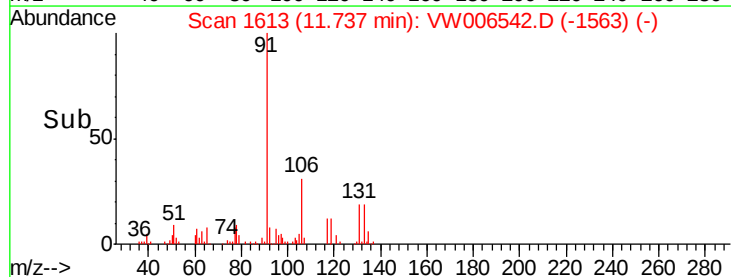
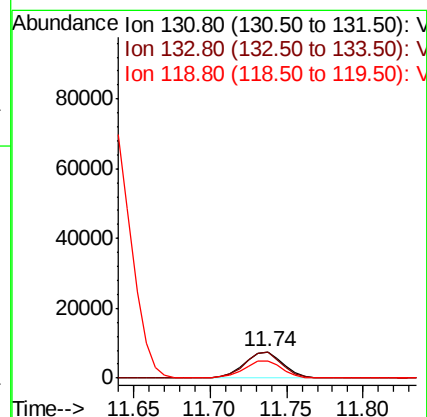
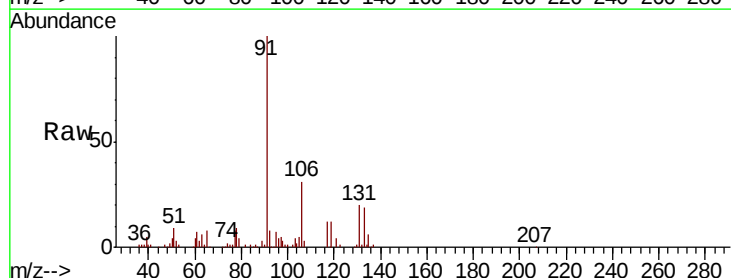
Tgt Ion:131 Resp: 12996

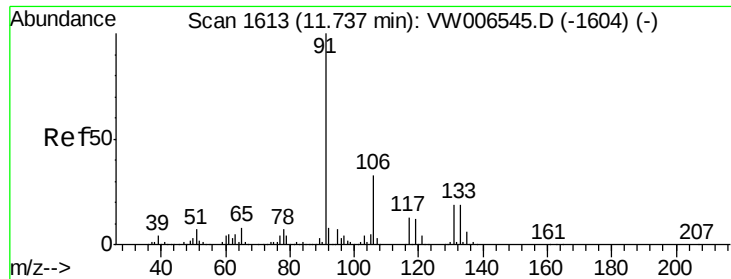
Ion Ratio Lower Upper

131 100

133 96.7 47.5 142.5

119 63.5 31.9 95.5





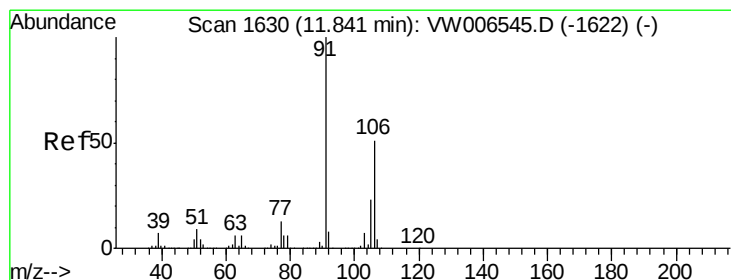
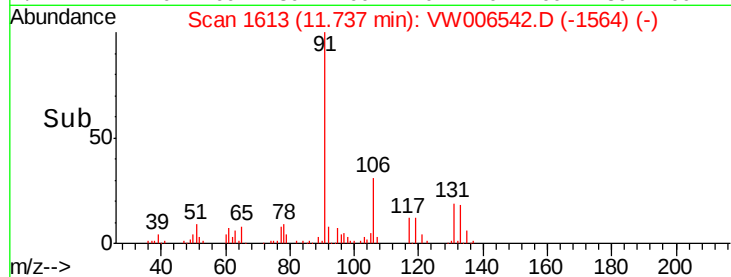
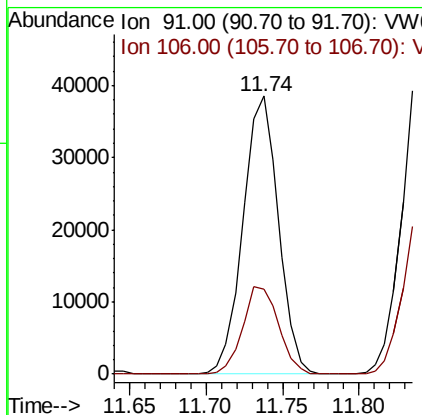
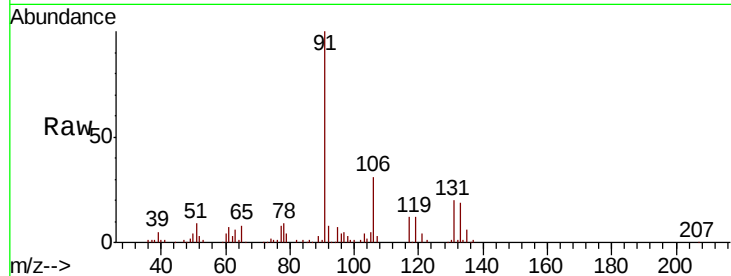
#67
Ethyl Benzene
Concen: 4.421 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 61940
Ion Ratio Lower Upper
91 100
106 30.6 26.3 39.5

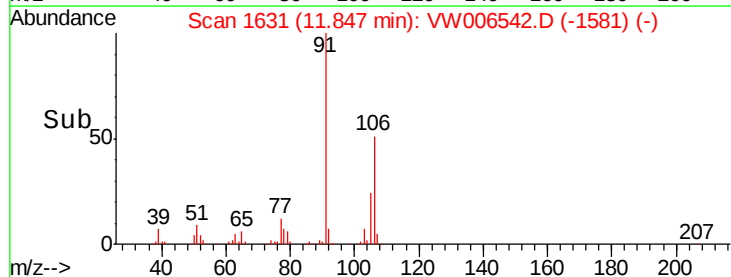
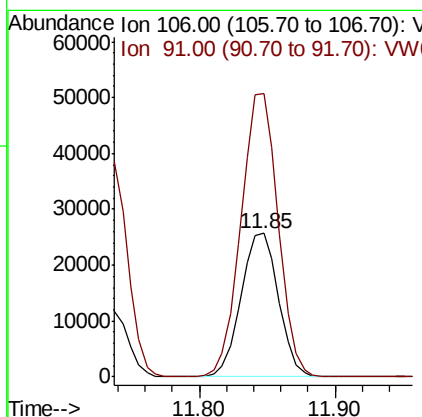
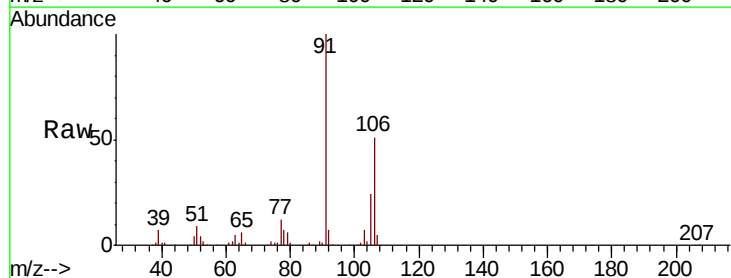
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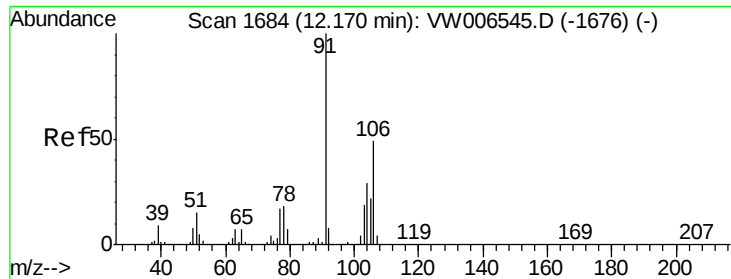
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#68
m/p-Xylenes
Concen: 8.930 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 106 Resp: 49545
Ion Ratio Lower Upper
106 100
91 196.1 156.7 235.1





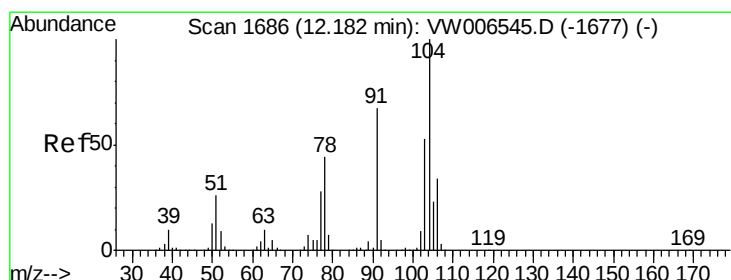
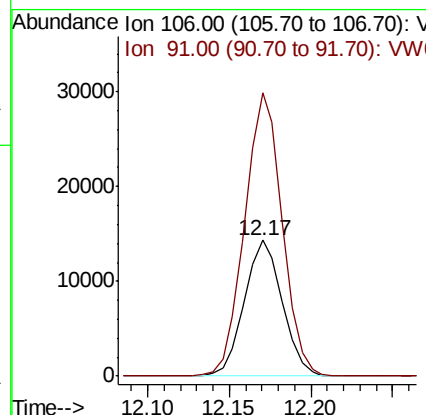
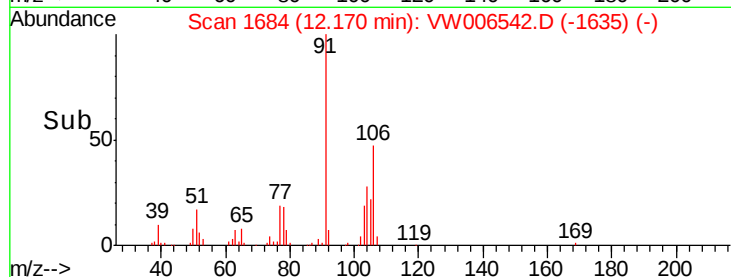
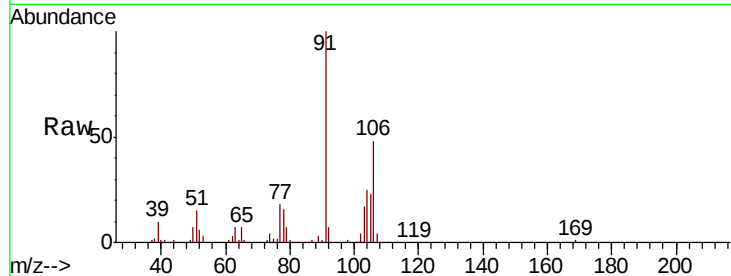
#69
o-Xylene
Concen: 4.379 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 23168
Ion Ratio Lower Upper
106 100
91 206.3 102.8 308.4

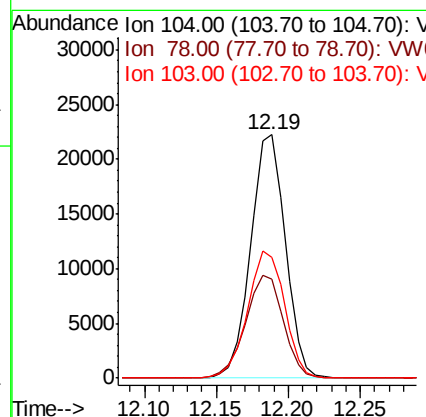
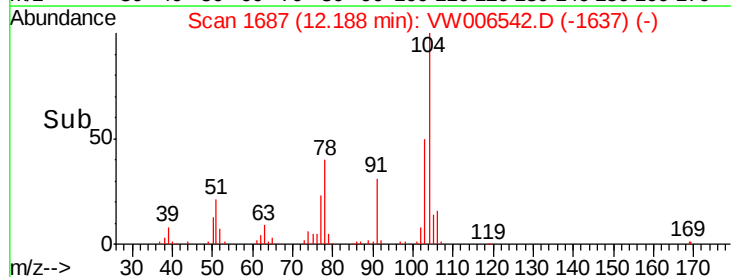
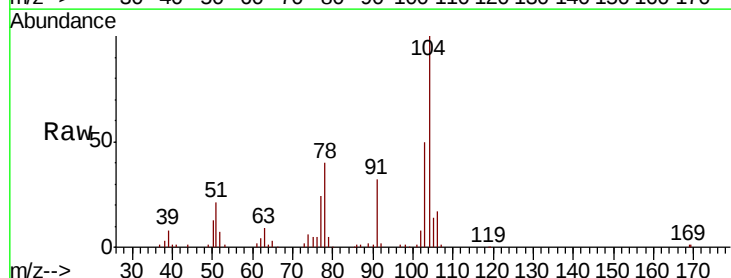
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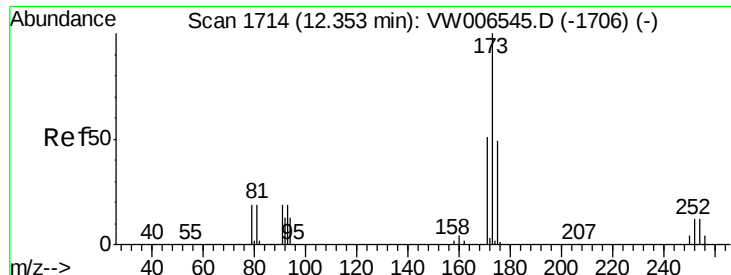
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#70
Styrene
Concen: 4.286 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion:104 Resp: 36912
Ion Ratio Lower Upper
104 100
78 45.9 37.2 55.8
103 56.1 44.2 66.2





#71

Bromoform

Concen: 4.090 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

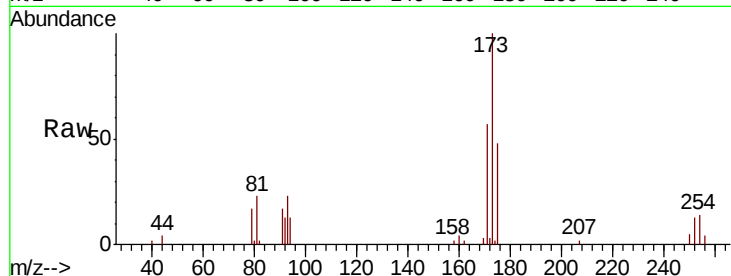
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.4
254	0.0	0.1	0.1#

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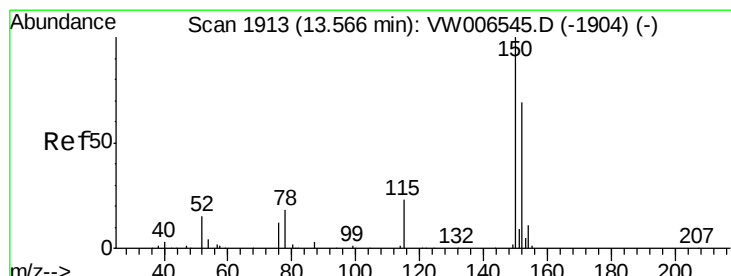
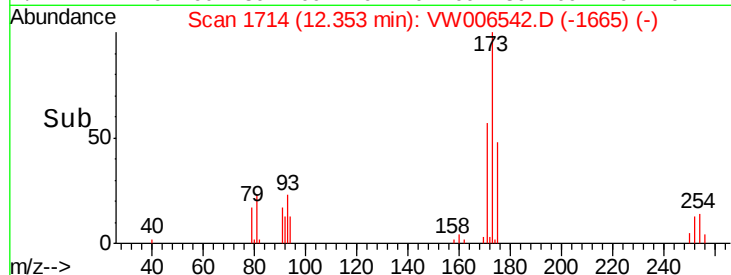
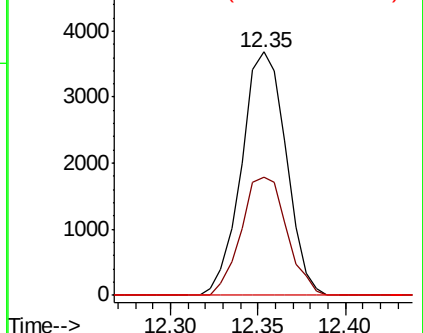


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

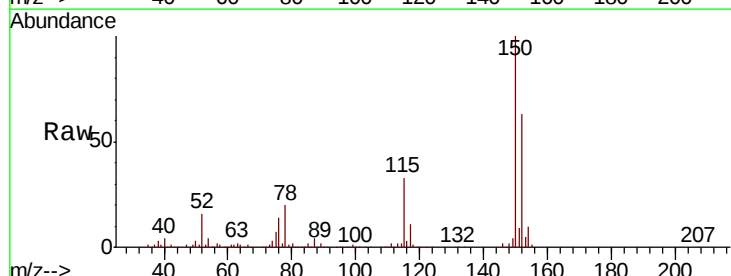
RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	26.6	79.8
150	158.7	0.0	344.6

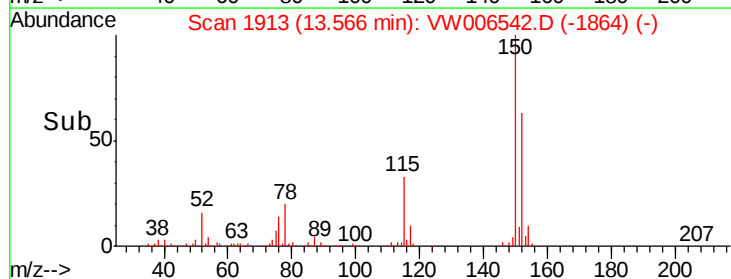
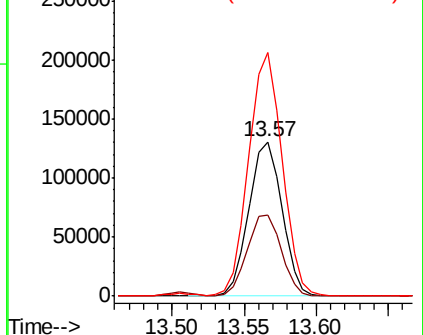


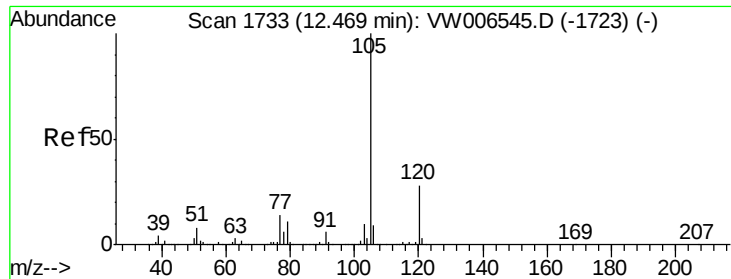
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





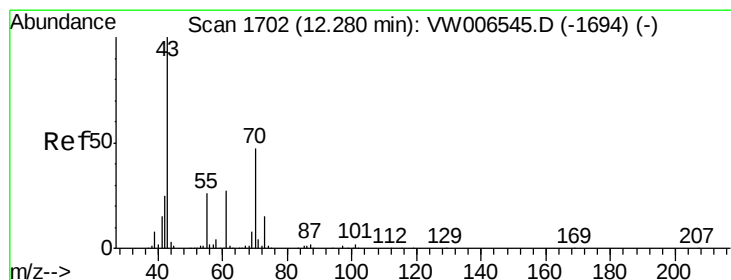
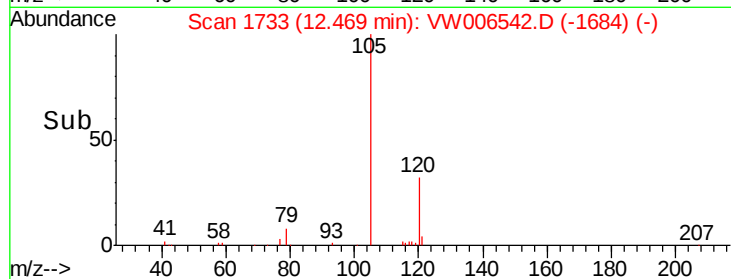
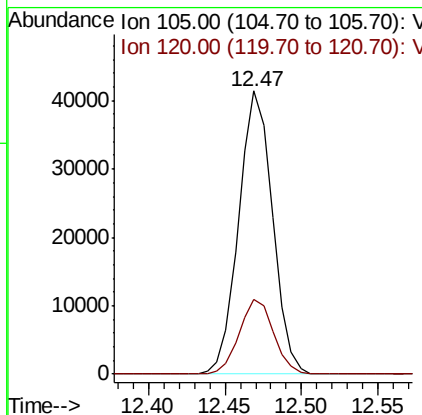
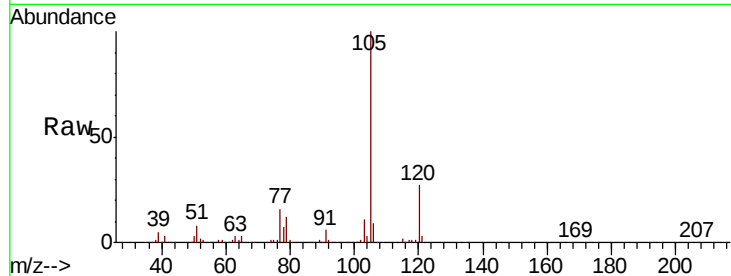
#73
Isopropylbenzene
Concen: 4.367 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 105 Resp: 63719
Ion Ratio Lower Upper
105 100
120 26.8 13.7 41.1

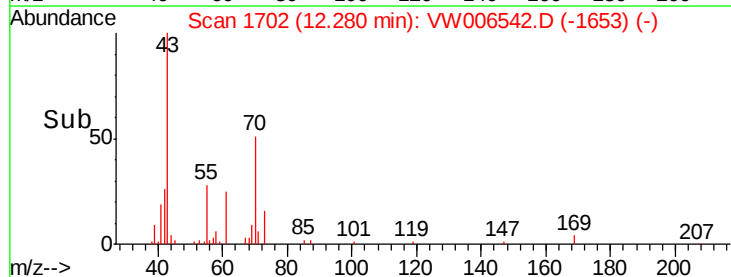
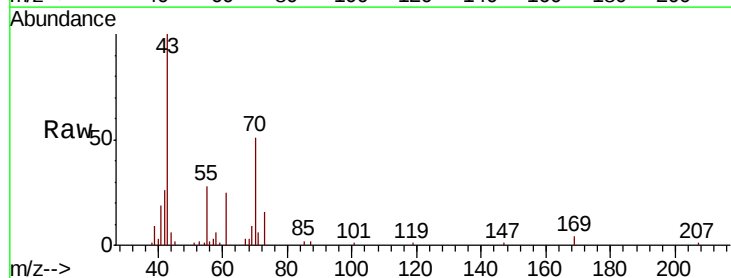
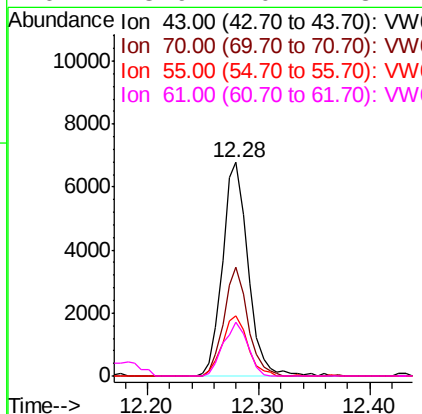
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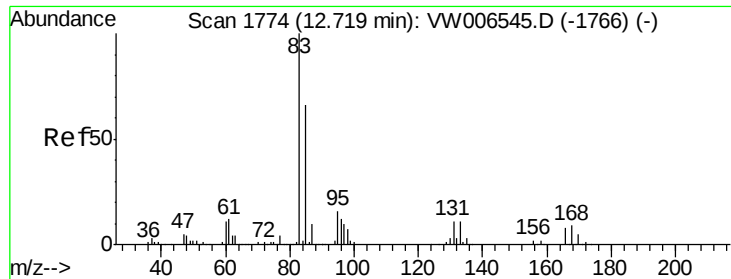
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#74
N-ethyl acetate
Concen: 3.881 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion: 43 Resp: 10808
Ion Ratio Lower Upper
43 100
70 47.6 36.9 55.3
55 27.8 20.7 31.1
61 23.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.733 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

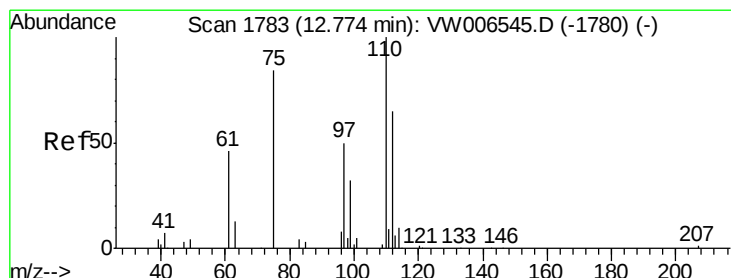
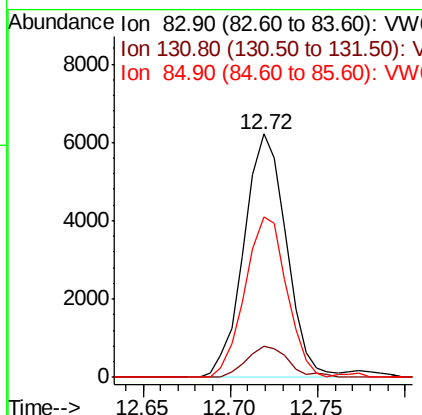
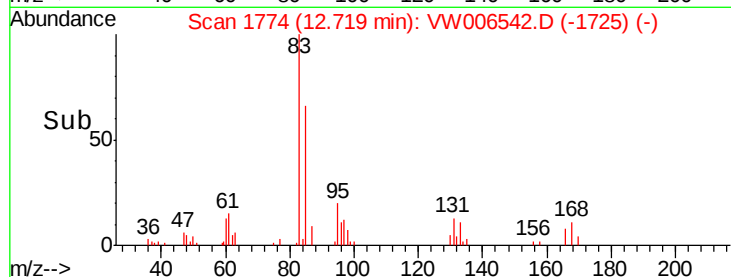
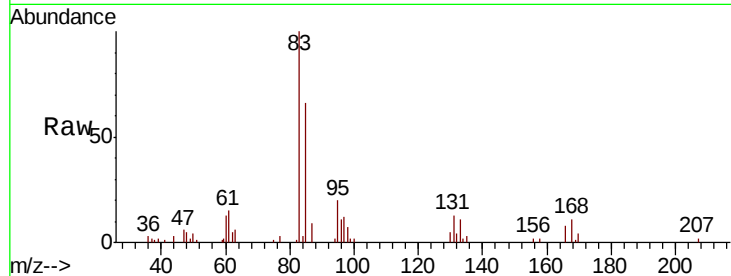
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	10506
Ion Ratio	Lower	Upper	
83	100		
131	12.6	5.9	17.7
85	64.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.271 ug/l m

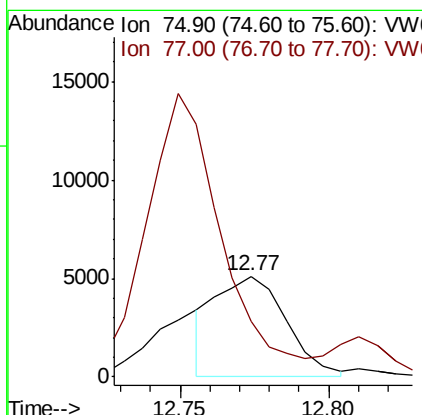
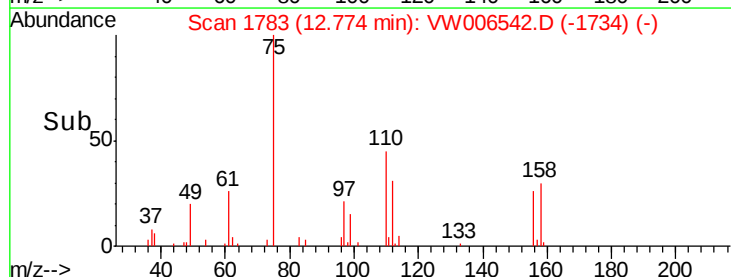
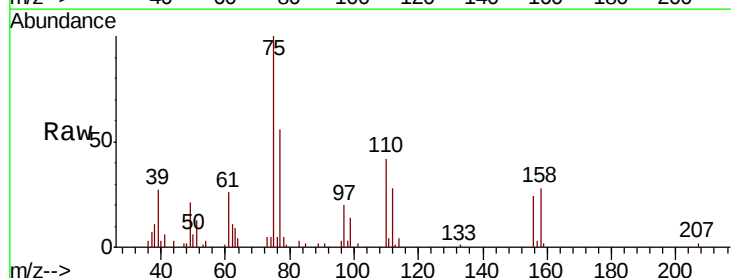
RT: 12.77 min Scan# 1783

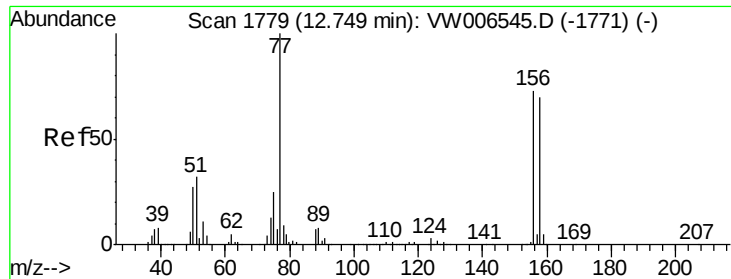
Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Tgt Ion:	75	Resp:	8488
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





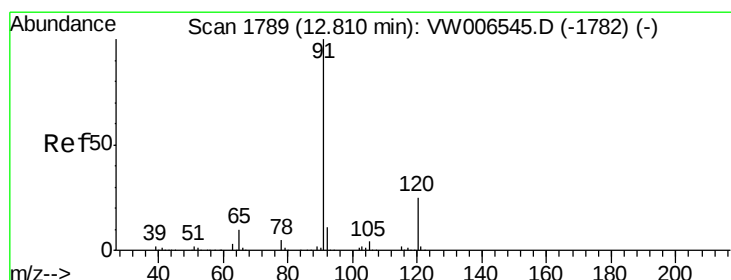
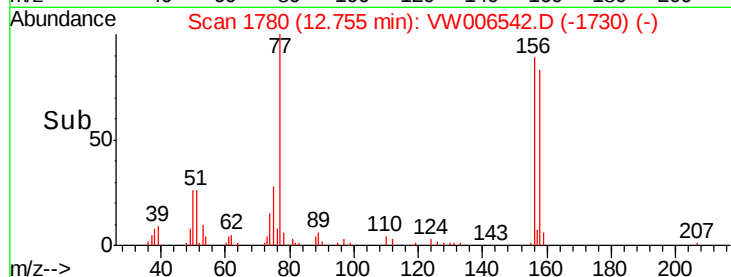
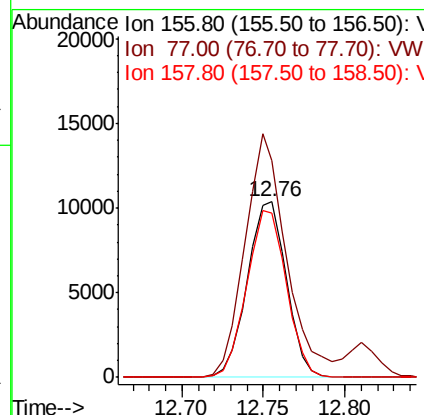
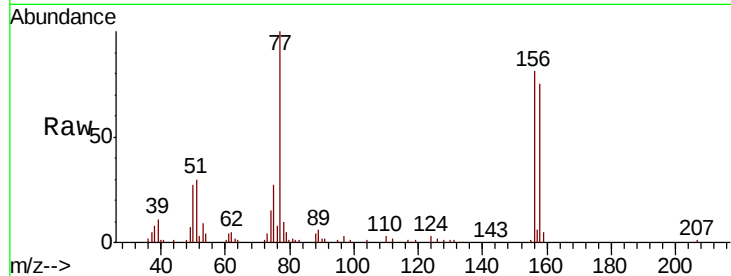
#77
Bromobenzene
Concen: 4.817 ug/l
RT: 12.76 min Scan# 1780
Delta R.T. 0.01 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.8	75.9	227.8
158	96.2	48.6	145.9

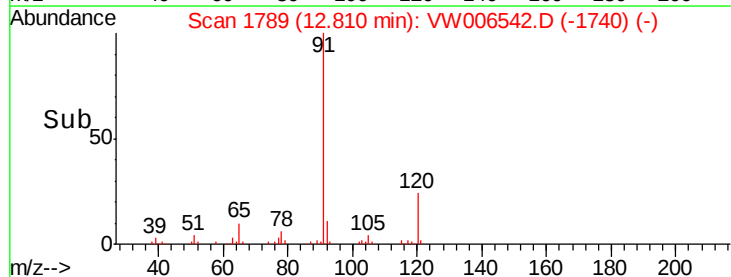
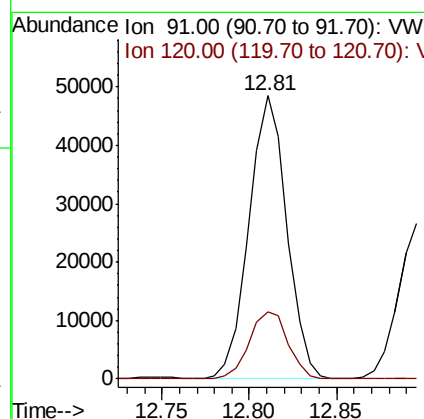
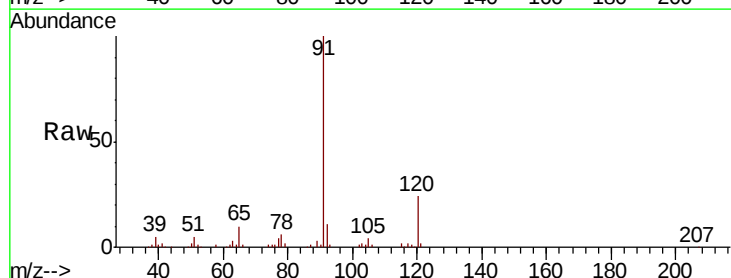
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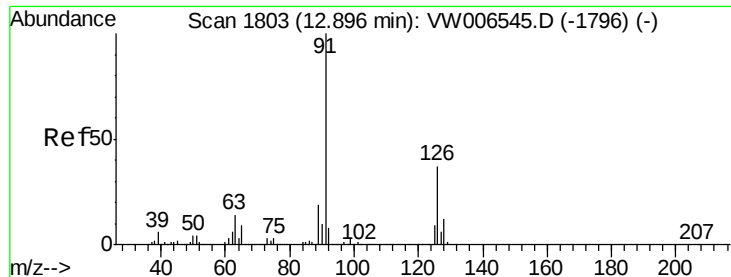
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#78
n-propylbenzene
Concen: 4.292 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.4	37.0





#79

2-Chlorotoluene

Concen: 4.515 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006542.D

Acq: 31 Oct 2018 23:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 42971

Ion Ratio Lower Upper

91 100

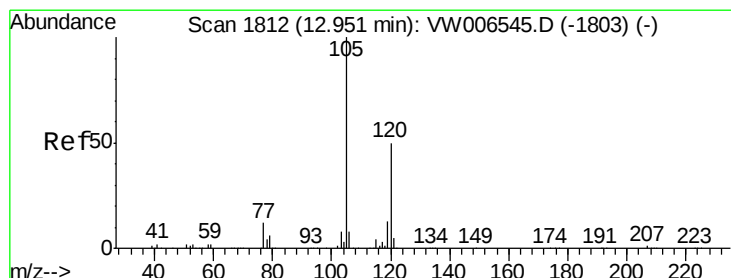
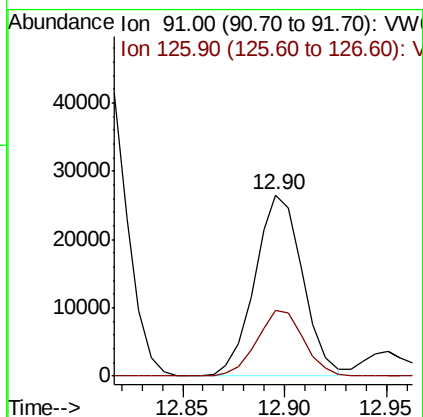
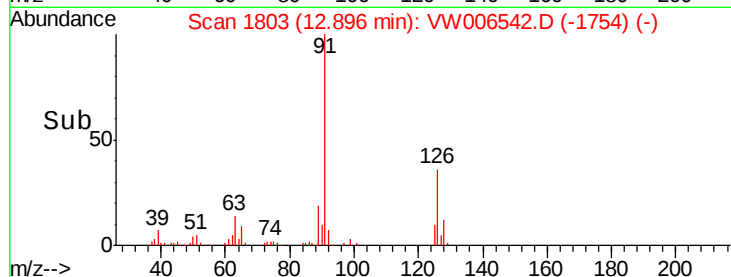
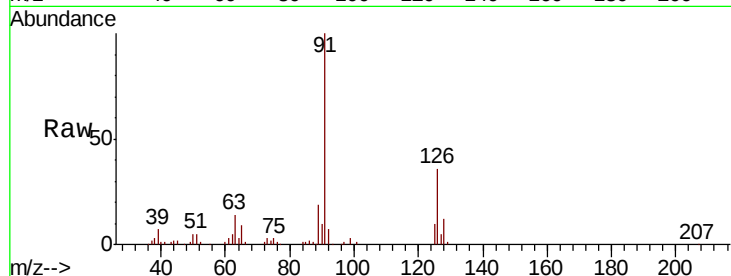
126 36.2 18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 4.236 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006542.D

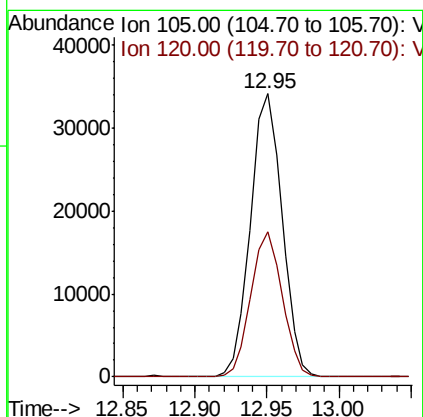
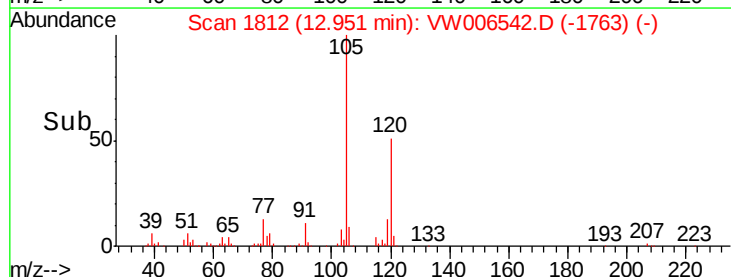
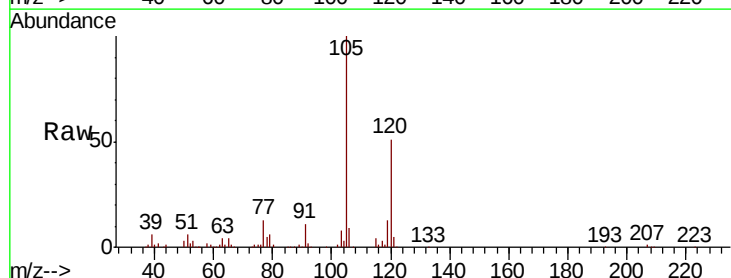
Acq: 31 Oct 2018 23:29

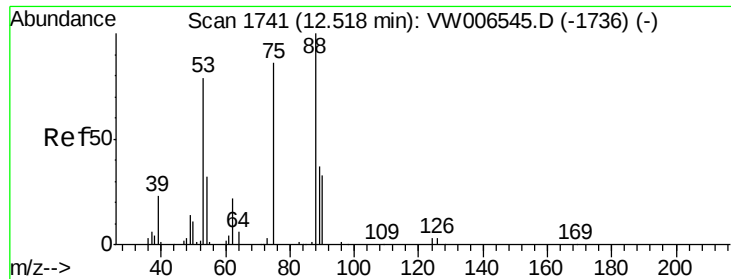
Tgt Ion:105 Resp: 52028

Ion Ratio Lower Upper

105 100

120 51.0 25.1 75.3





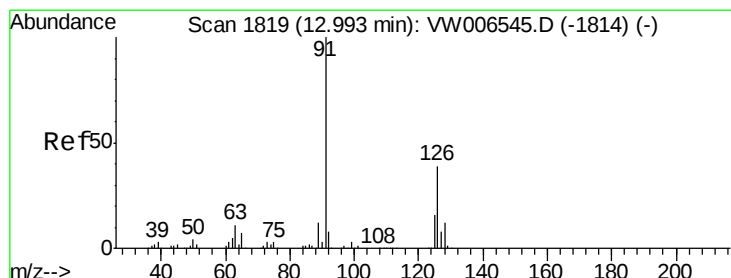
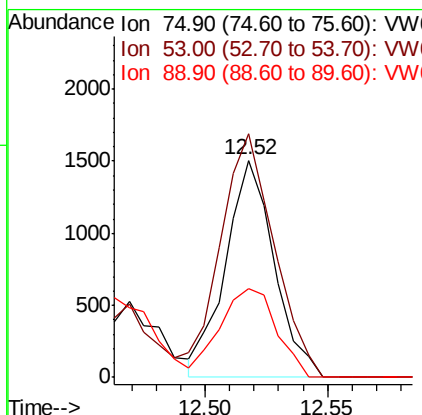
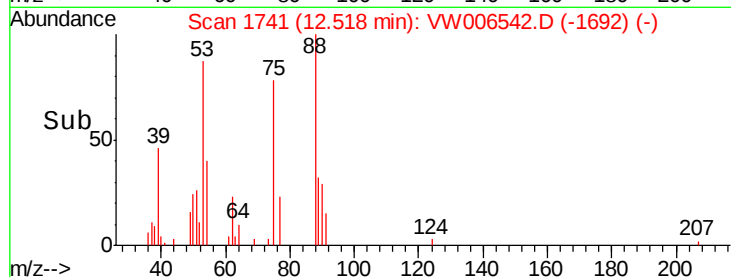
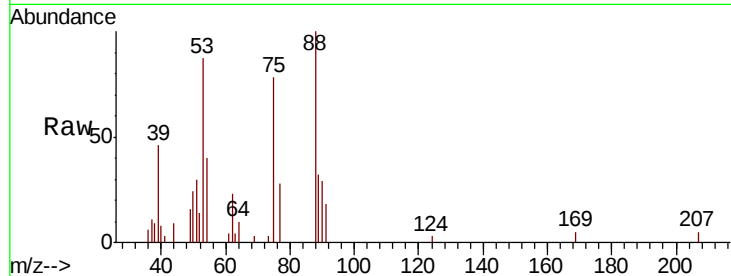
#81
trans-1,4-Dichloro-2-butene
Concen: 3.188 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.4	77.2	115.8#
89	47.2	38.6	58.0

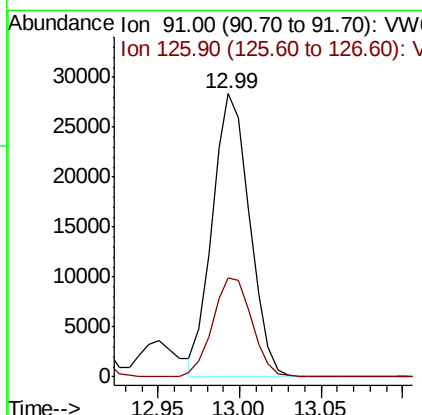
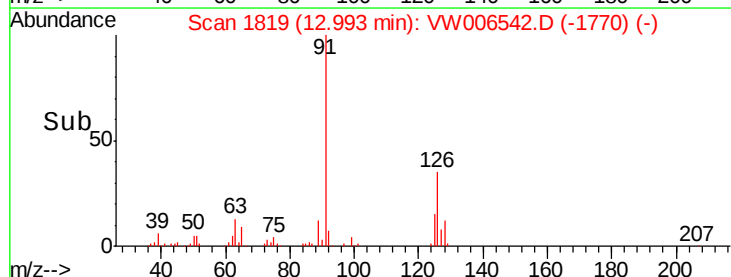
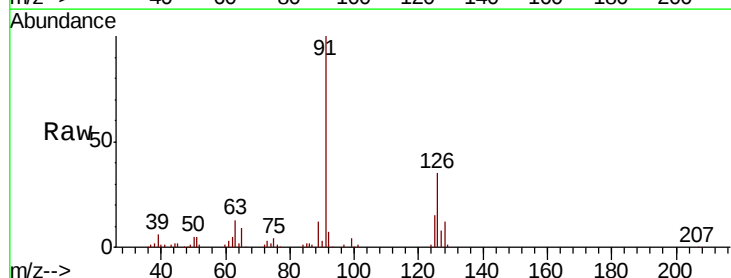
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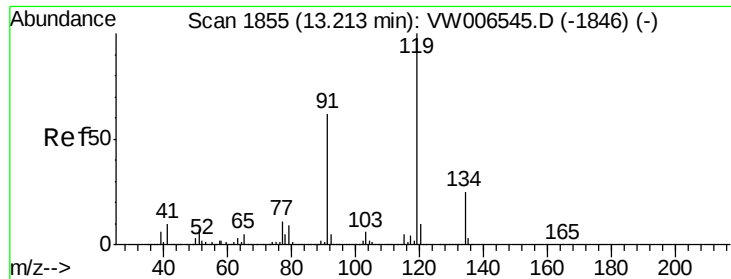
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#82
4-Chlorotoluene
Concen: 4.505 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.5	55.5





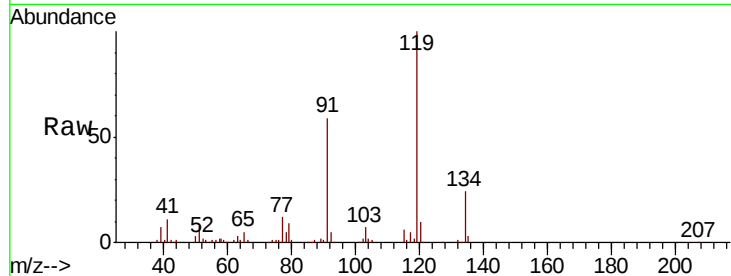
#83
tert-Butylbenzene
Concen: 4.241 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

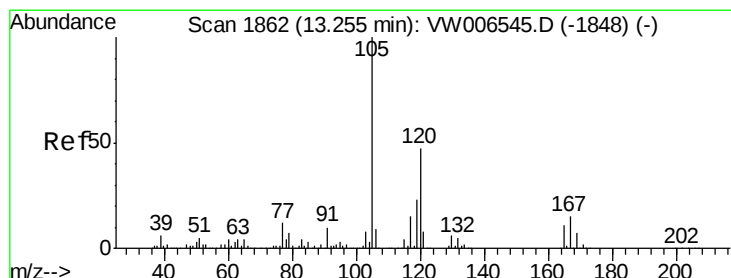
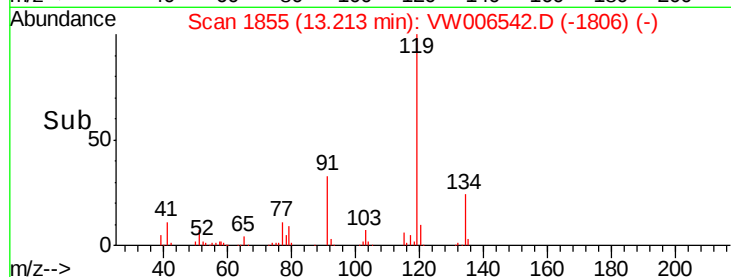
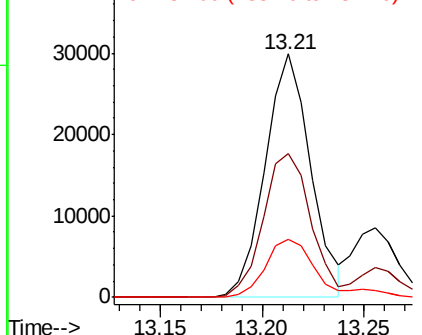
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.4	91.3
134	25.2	13.5	40.4

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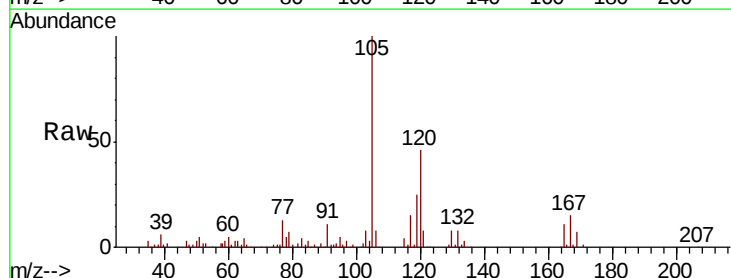


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

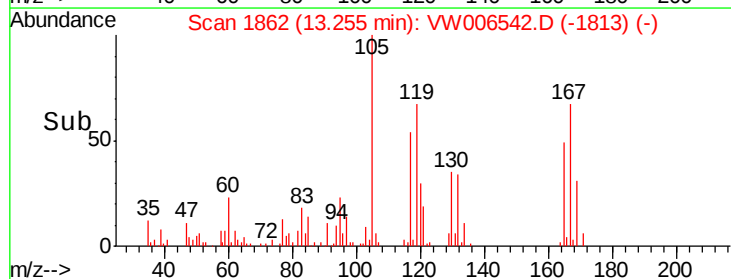
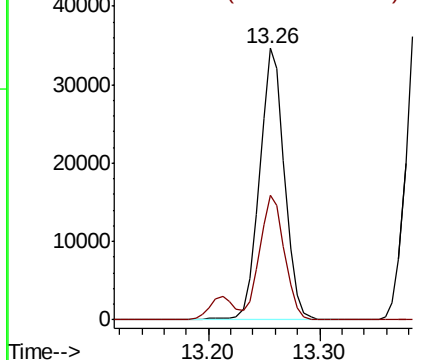


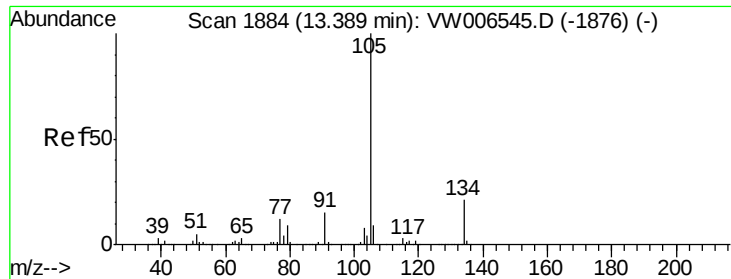
#84
1,2,4-Trimethylbenzene
Concen: 4.339 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.2	69.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





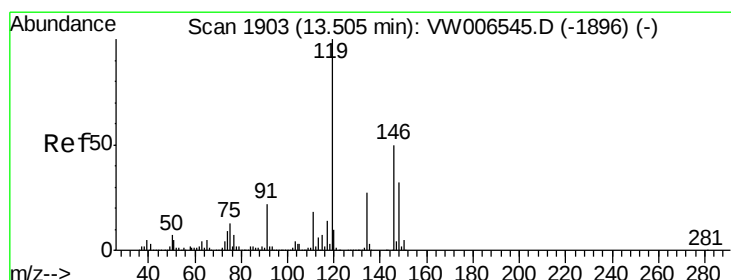
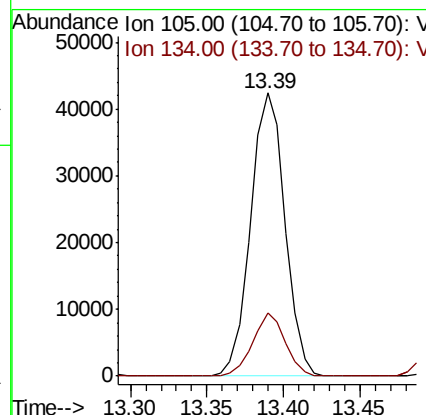
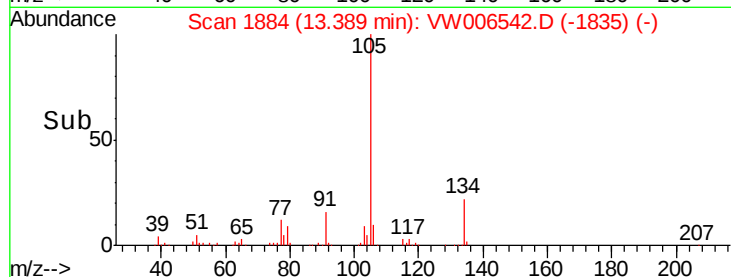
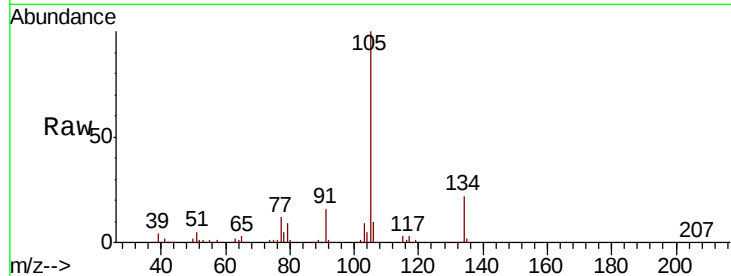
#85
 sec-Butylbenzene
 Concen: 4.265 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.6	31.8

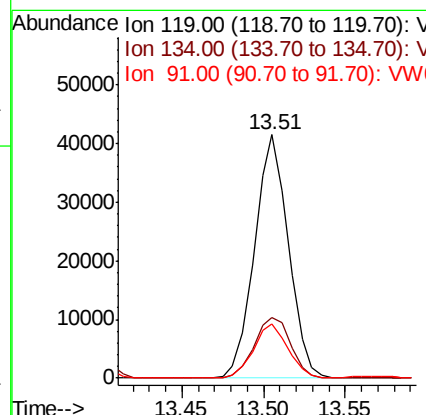
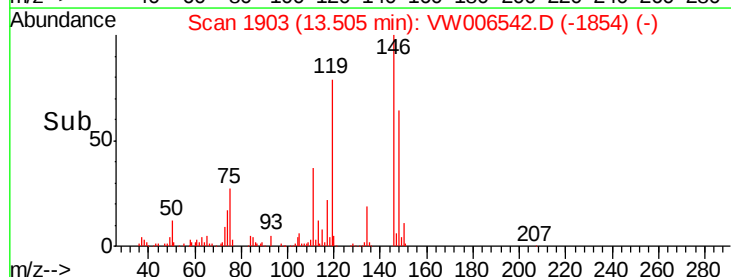
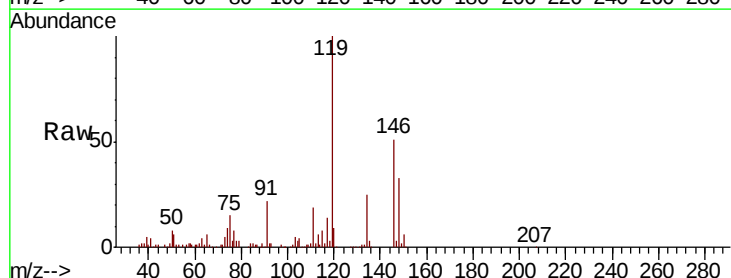
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#86
 p-Isopropyltoluene
 Concen: 4.284 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	22.5	10.9	32.6





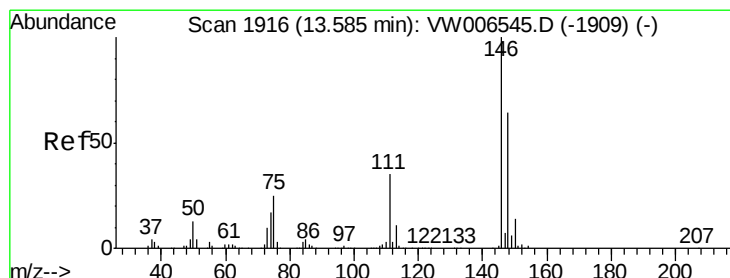
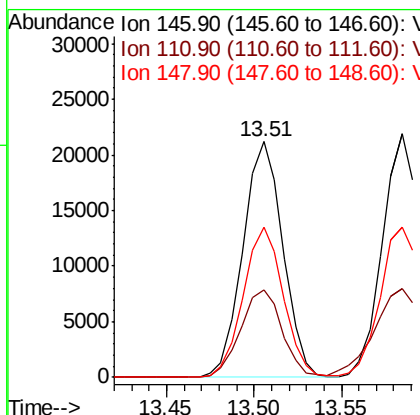
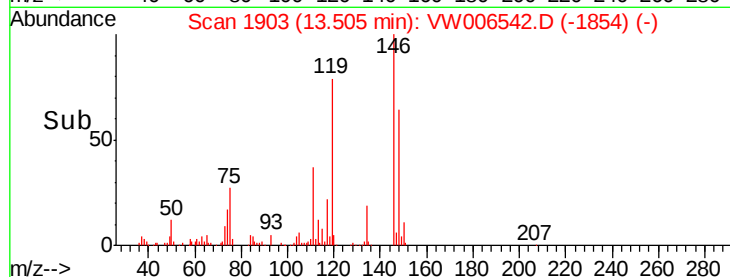
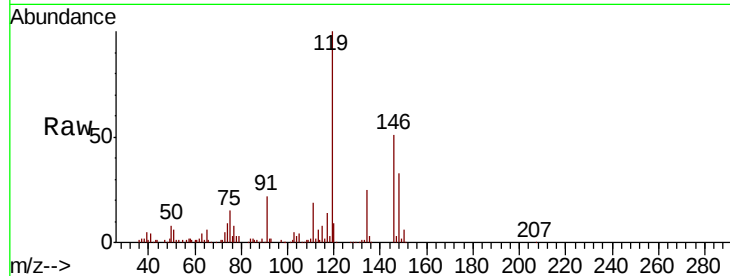
#87
 1,3-Dichlorobenzene
 Concen: 4.709 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.6
148	63.7	32.1	96.3

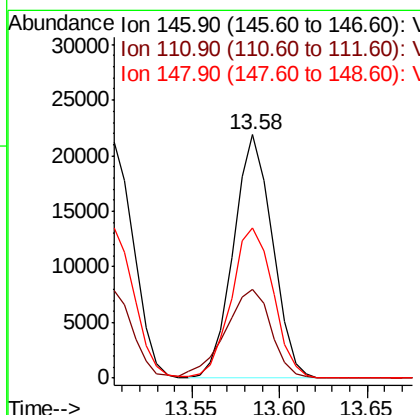
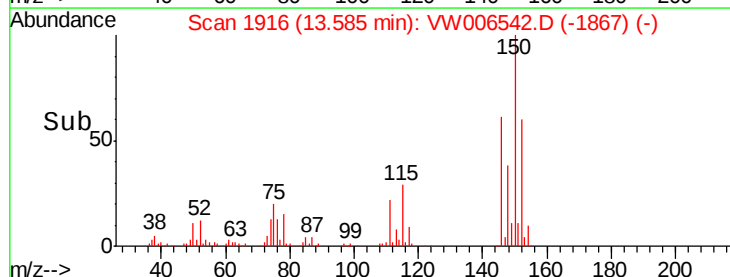
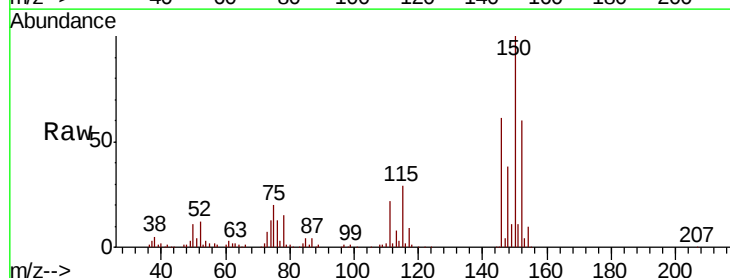
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#88
 1,4-Dichlorobenzene
 Concen: 4.771 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	17.9	53.7
148	66.3	32.1	96.5





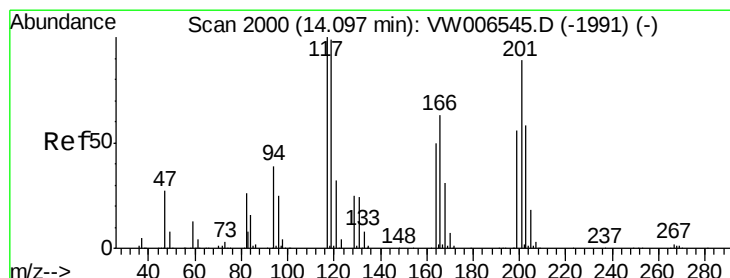
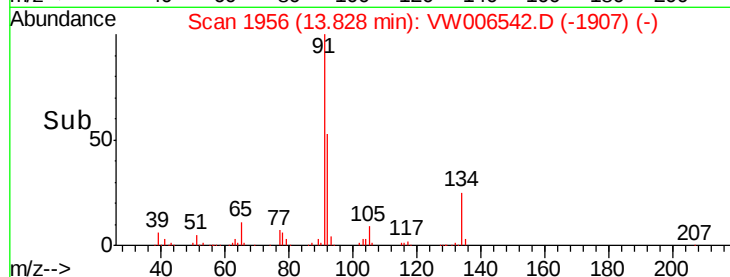
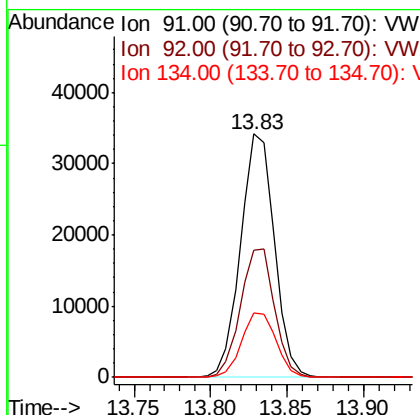
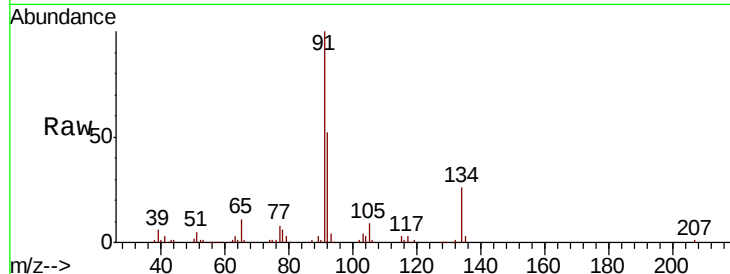
#89
n-Butylbenzene
Concen: 4.105 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.0
134	27.1	14.3	42.9

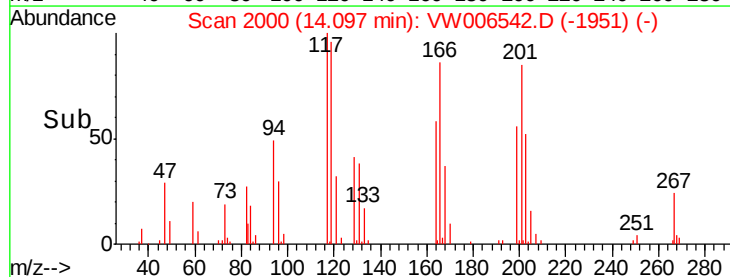
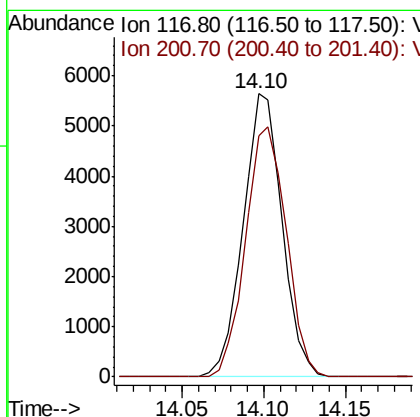
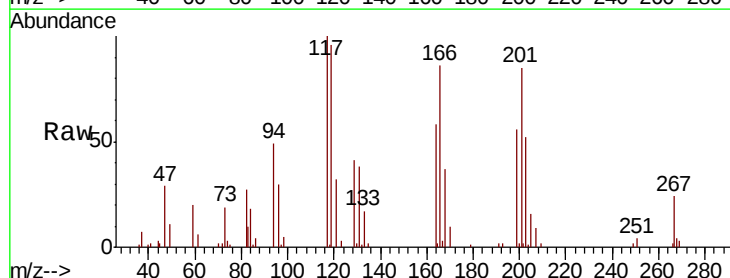
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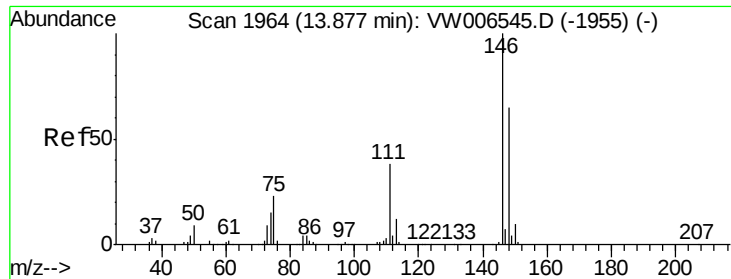
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#90
Hexachloroethane
Concen: 3.956 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	46.8	140.3





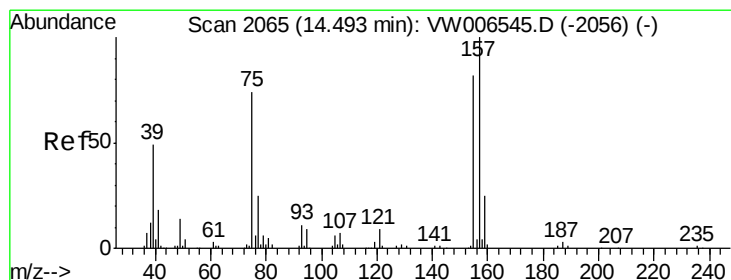
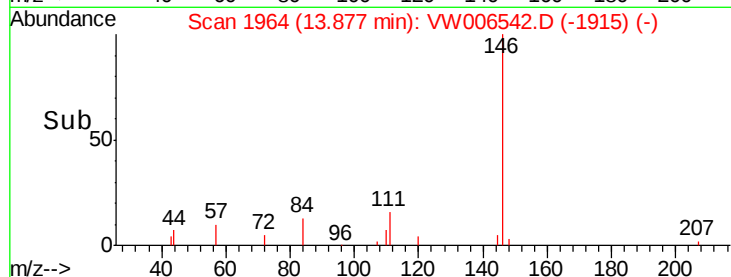
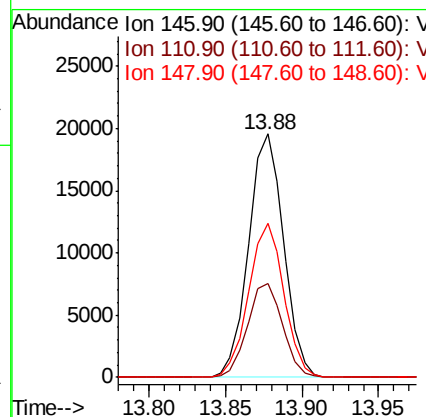
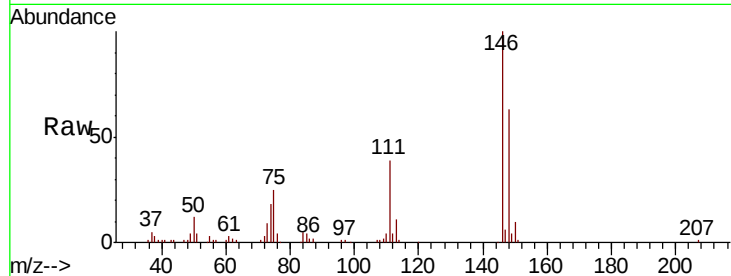
#91
 1,2-Dichlorobenzene
 Concen: 4.880 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	63.7	32.0	96.0

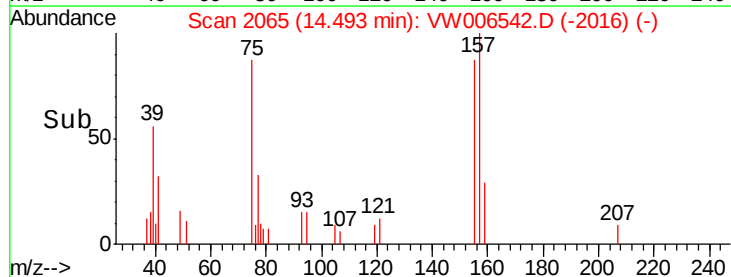
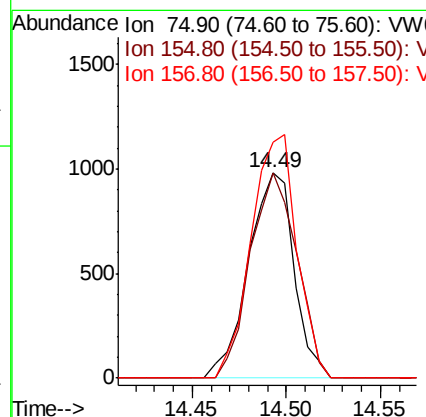
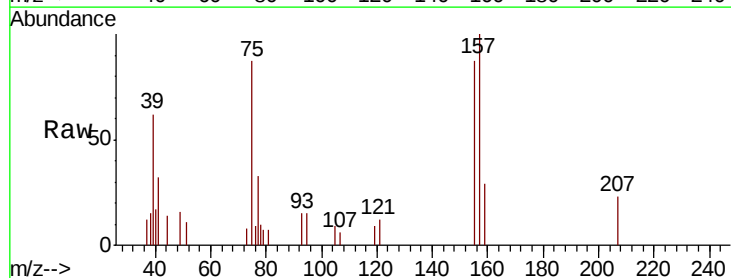
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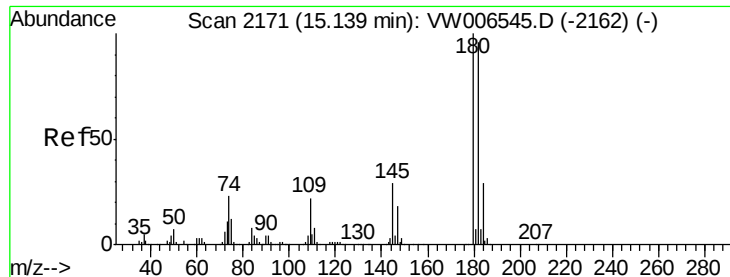
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.216 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.9	50.6	151.8
157	118.5	65.0	195.0





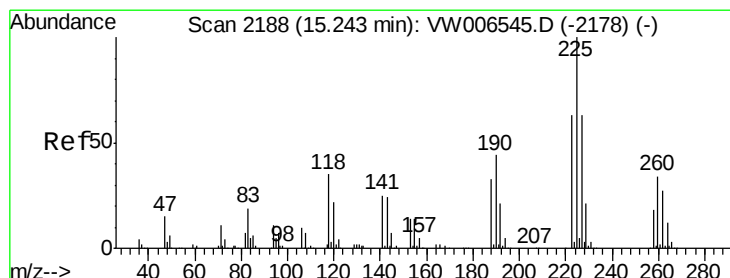
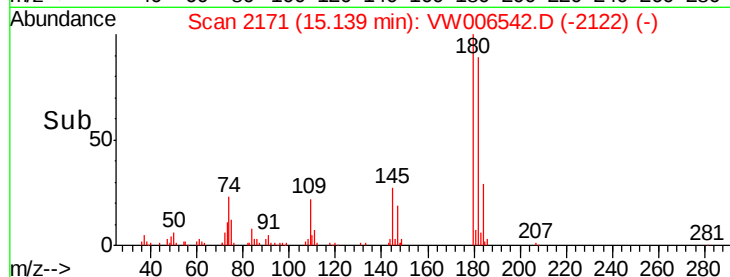
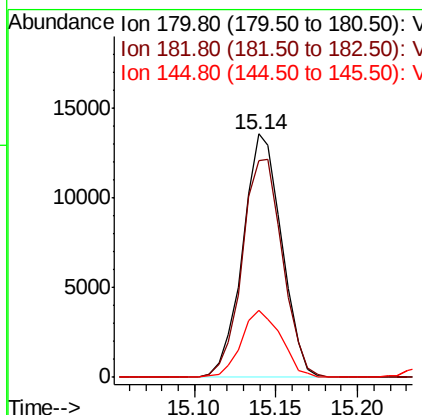
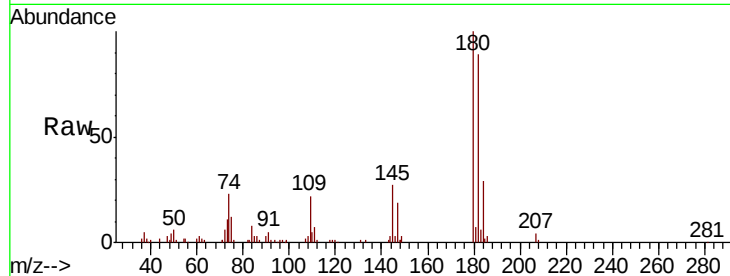
#93
 1,2,4-Trichlorobenzene
 Concen: 4.572 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.5	142.6
145	28.2	14.0	42.0

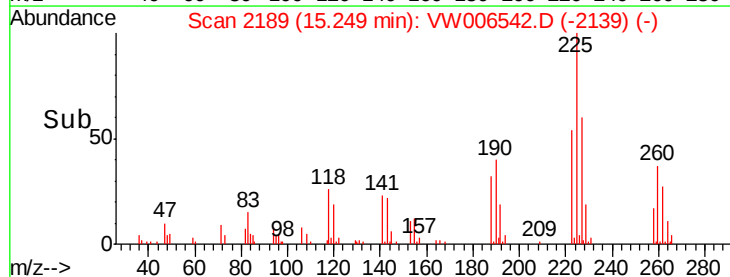
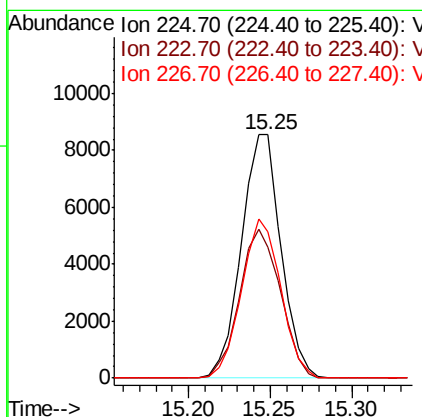
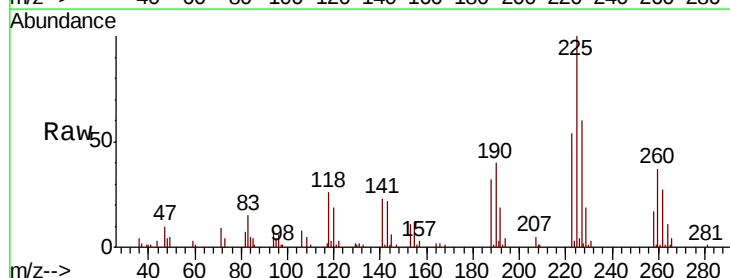
Manual Integrations
 APPROVED

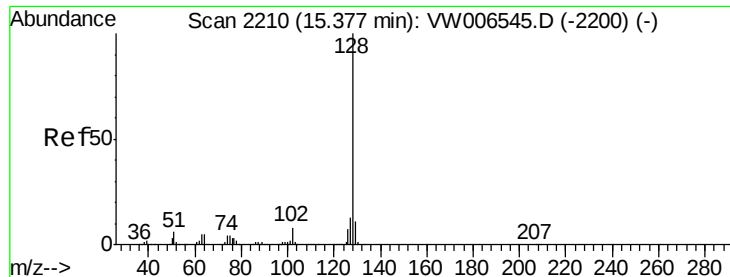
apatel
 11/2/2018 3:11:20 PM



#94
 Hexachlorobutadiene
 Concen: 4.714 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW006542.D
 Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.2
227	64.6	32.2	96.6





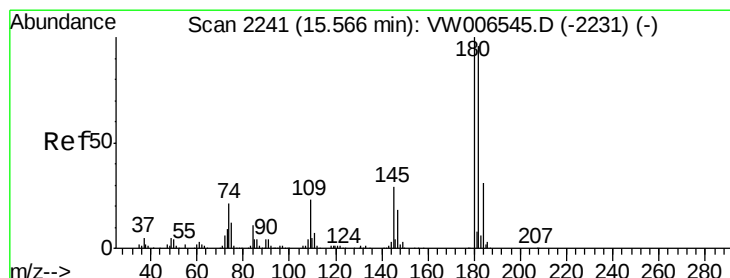
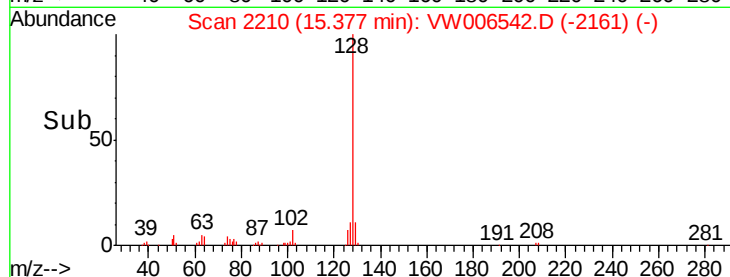
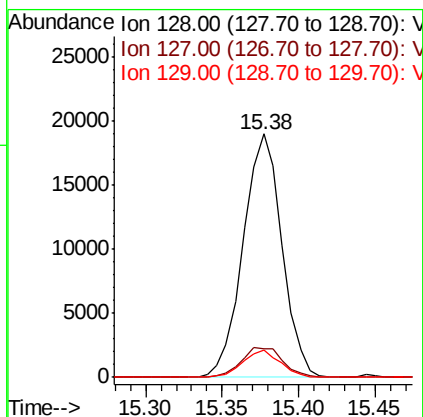
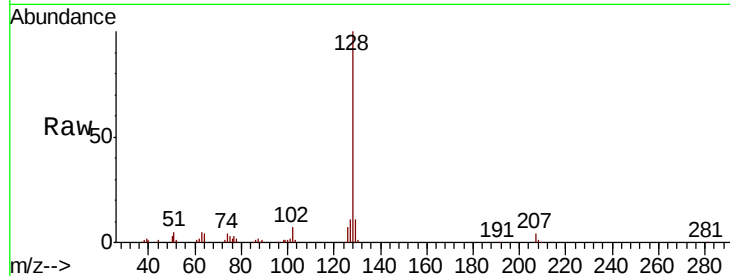
#95
Naphthalene
Concen: 4.110 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

apatel
11/2/2018 3:11:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.726 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006542.D
Acq: 31 Oct 2018 23:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.2	144.6
145	28.1	14.9	44.5

