

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007495.D
 Acq On : 13 Dec 2018 18:38
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 11:24:43 AM

Quant Time: Dec 14 04:25:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	87399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	143748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63228	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	46053	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
35) Dibromofluoromethane	7.88	113	43308	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	10.32	98	163295	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.62	95	63240	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26741	43.784	ug/l	98
3) Chloromethane	2.21	50	24645	48.181	ug/l	93
4) Vinyl Chloride	2.37	62	30592	50.964	ug/l	95
5) Bromomethane	2.78	94	21635	53.644	ug/l	96
6) Chloroethane	2.93	64	17874	54.094	ug/l	97
7) Trichlorofluoromethane	3.26	101	26919	49.881	ug/l	97
8) Diethyl Ether	3.67	74	22672	53.676	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43443	48.786	ug/l	94
10) Methyl Iodide	4.26	142	74081	50.231	ug/l	99
11) Tert butyl alcohol	5.17	59	17319	260.075	ug/l	98
12) 1,1-Dichloroethene	4.03	96	42814	49.937	ug/l	96
13) Acrolein	3.89	56	12204	276.962	ug/l	99
14) Allyl chloride	4.66	41	64188	50.791	ug/l	99
15) Acrylonitrile	5.37	53	47631	267.499	ug/l	99
16) Acetone	4.12	43	46290	273.316	ug/l	97
17) Carbon Disulfide	4.37	76	127029	48.865	ug/l	100
18) Methyl Acetate	4.67	43	23874	51.937	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	68985	53.337	ug/l	99
20) Methylene Chloride	4.91	84	47237	51.087	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	48018	50.066	ug/l	95
22) Diisopropyl ether	6.31	45	126576	52.107	ug/l	98
23) Vinyl Acetate	6.26	43	372834	274.405	ug/l	98
24) 1,1-Dichloroethane	6.21	63	82343	50.155	ug/l	99
25) 2-Butanone	7.17	43	60976	275.778	ug/l	97
26) 2,2-Dichloropropane	7.16	77	54792	50.428	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	53254	50.710	ug/l	98
28) Bromochloromethane	7.51	49	31267	50.632	ug/l	100
29) Tetrahydrofuran	7.52	42	37634	268.863	ug/l	99
30) Chloroform	7.68	83	90468	50.636	ug/l	97
31) Cyclohexane	7.95	56	72252	47.967	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	77737	49.617	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68120	51.948	ug/l	98
37) Ethyl Acetate	7.25	43	26925	55.205	ug/l	99
38) Carbon Tetrachloride	8.07	117	73957	51.833	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	84459	53.190	ug/l	96
40) Benzene	8.32	78	190872	52.450	ug/l	100
41) Methacrylonitrile	7.49	41	16453	59.239	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	61062	53.415	ug/l	100
43) Isopropyl Acetate	8.43	43	52811	54.817	ug/l	98
44) Trichloroethene	9.09	130	54459	52.405	ug/l	100
45) 1,2-Dichloropropane	9.37	63	45694	54.259	ug/l	97
46) Dibromomethane	9.46	93	25659	53.653	ug/l	98
47) Bromodichloromethane	9.65	83	65944	52.569	ug/l	91
48) Methyl methacrylate	9.43	41	26465	53.487	ug/l	95
49) 1,4-Dioxane	9.45	88	8637	1113.052	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	132850	291.843	ug/l	99
52) Toluene	10.39	92	126080	53.536	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	68252	56.044	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	77884	55.322	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35901	55.157	ug/l	96
56) Ethyl methacrylate	10.65	69	47288	60.445	ug/l	98
57) 1,3-Dichloropropane	10.93	76	61270	57.351	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	105393	292.131	ug/l	100
59) 2-Hexanone	10.97	43	92519	304.806	ug/l	98
60) Dibromochloromethane	11.13	129	46539	56.657	ug/l	100
61) 1,2-Dibromoethane	11.24	107	36346	56.506	ug/l	96
64) Tetrachloroethene	10.86	164	45518	49.338	ug/l	91
65) Chlorobenzene	11.66	112	143018	53.485	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	50355	53.469	ug/l	99
67) Ethyl Benzene	11.73	91	249491	54.269	ug/l	91
68) m/p-Xylenes	11.84	106	191737	107.282	ug/l	100
69) o-Xylene	12.17	106	90694	54.335	ug/l	96
70) Styrene	12.18	104	151953	56.362	ug/l	98
71) Bromoform	12.35	173	25974	53.884	ug/l #	97
73) Isopropylbenzene	12.47	105	254016	52.431	ug/l	98
74) N-amyl acetate	12.27	43	50123	56.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	39646	55.251	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	30461m	58.429	ug/l	
77) Bromobenzene	12.75	156	57323	53.379	ug/l	95
78) n-propylbenzene	12.80	91	294193	53.957	ug/l	100
79) 2-Chlorotoluene	12.90	91	172137	52.177	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	218307	53.627	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13352	56.576	ug/l	92
82) 4-Chlorotoluene	12.99	91	182831	52.574	ug/l	98
83) tert-Butylbenzene	13.21	119	193245	53.875	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	220774	52.702	ug/l	99
85) sec-Butylbenzene	13.39	105	261544	53.413	ug/l	95
86) p-Isopropyltoluene	13.50	119	236785	53.827	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	113136	52.839	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	112252	52.148	ug/l	97
89) n-Butylbenzene	13.83	91	217370	53.302	ug/l	99
90) Hexachloroethane	14.10	117	41166	52.594	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	101999	53.187	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7618	52.902	ug/l	98

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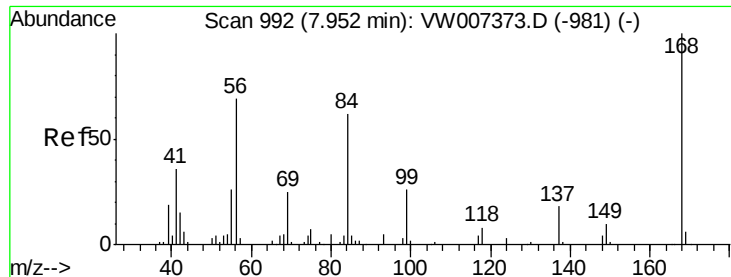
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	68552	51.943	ug/l	95
94) Hexachlorobutadiene	15.24	225	34889	49.824	ug/l	99
95) Naphthalene	15.37	128	137816	54.586	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	58870	51.350	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

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VSTDCCC050EC

Tot Ion:168 Resp: 87399

Ion Ratio Lower Upper

168 100

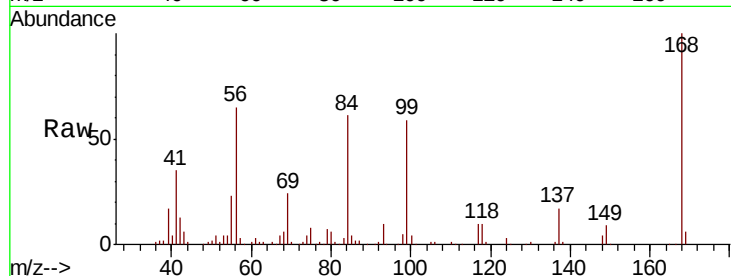
99 59.4 48.3 72.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

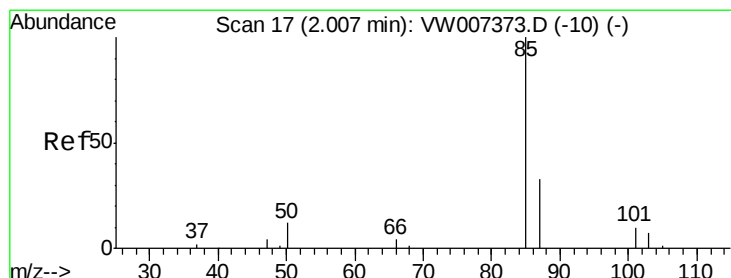
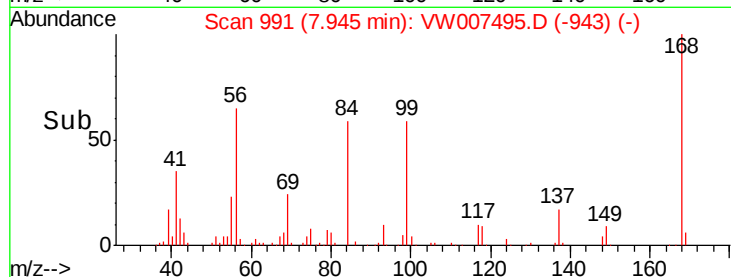
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 43.784 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW007495.D

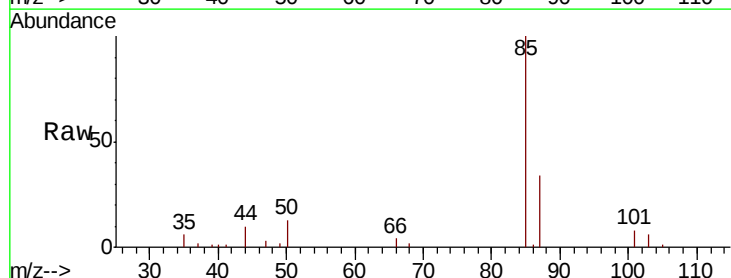
Acq: 13 Dec 2018 18:38

Tgt Ion: 85 Resp: 26741

Ion Ratio Lower Upper

85 100

87 34.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

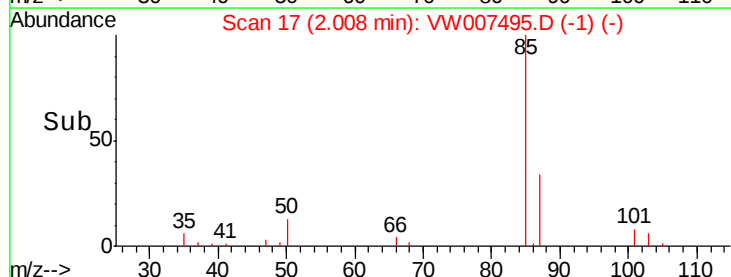
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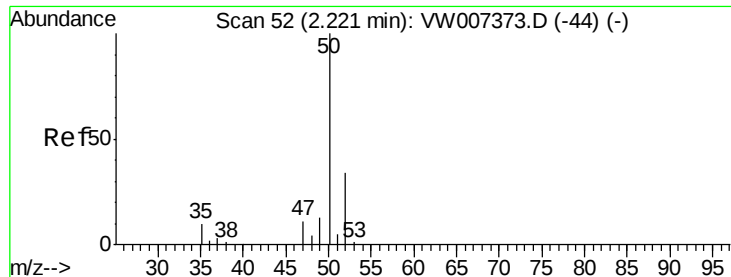
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 48.181 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 24645

Ion Ratio Lower Upper

50 100

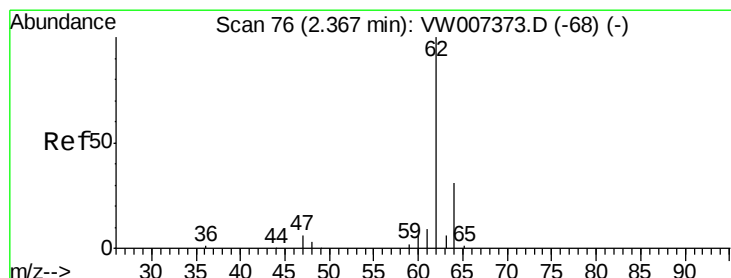
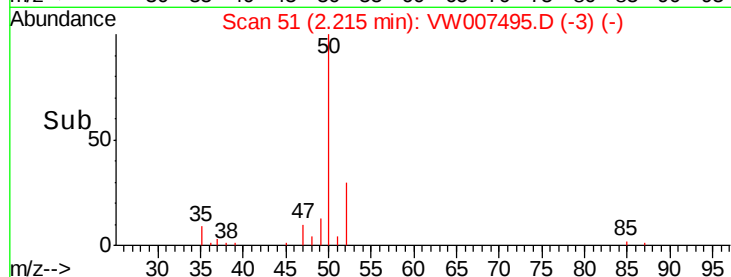
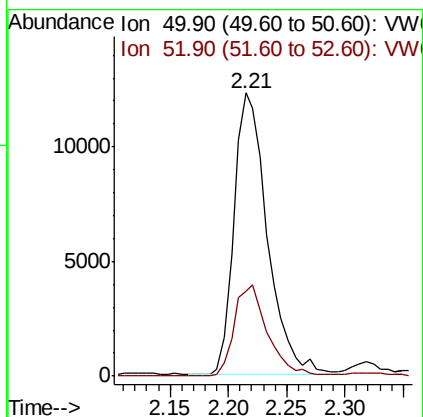
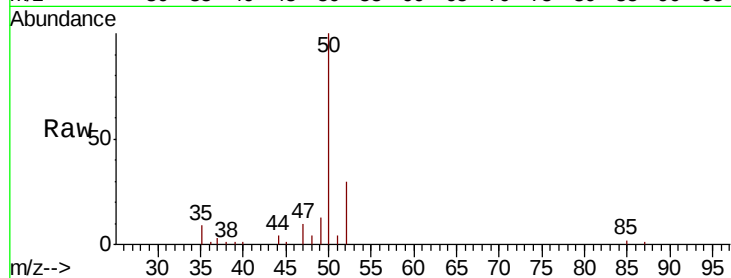
52 30.2 27.4 41.0

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#4

Vinyl Chloride

Concen: 50.964 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007495.D

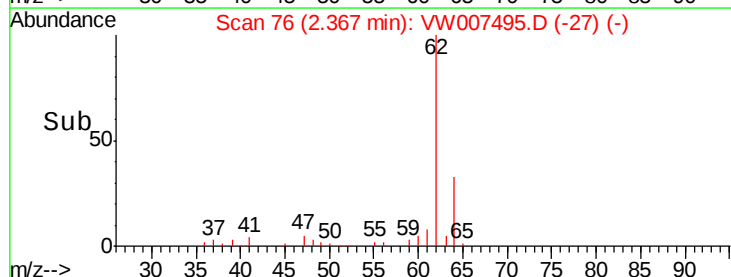
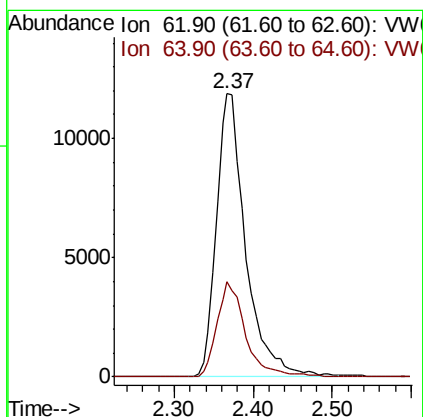
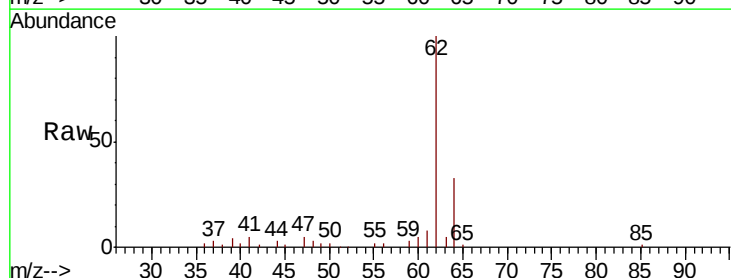
Acq: 13 Dec 2018 18:38

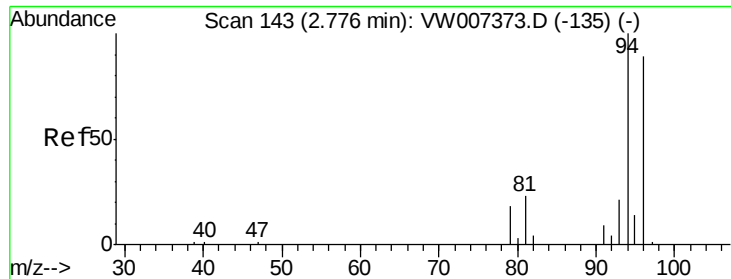
Tgt Ion: 62 Resp: 30592

Ion Ratio Lower Upper

62 100

64 33.4 24.6 37.0





#5

Bromomethane

Concen: 53.644 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 21635

Ion Ratio Lower Upper

94 100

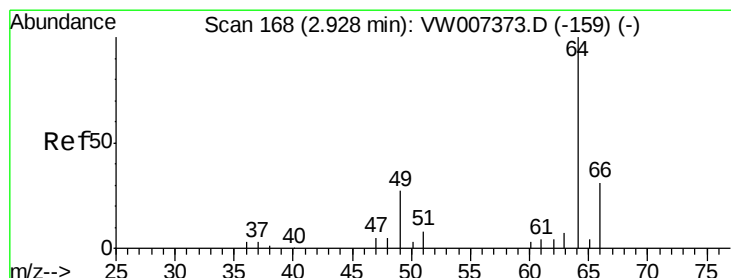
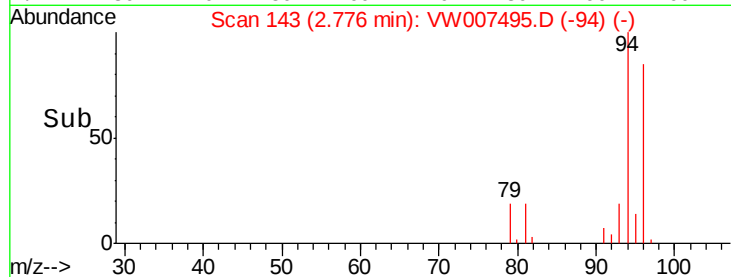
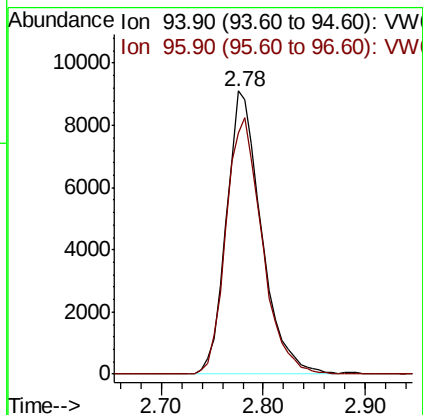
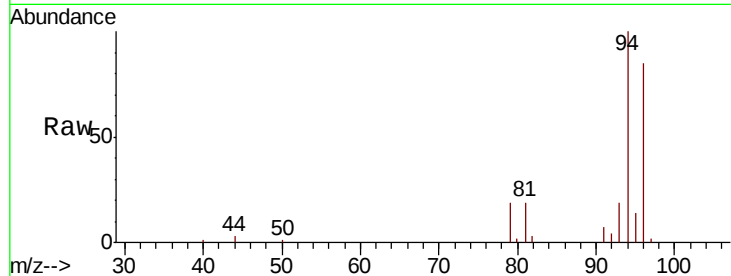
96 85.1 71.0 106.4

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#6

Chloroethane

Concen: 54.094 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007495.D

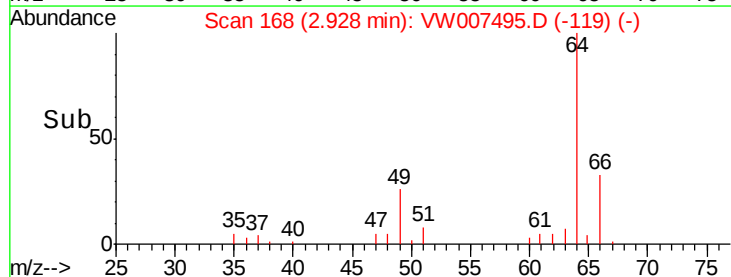
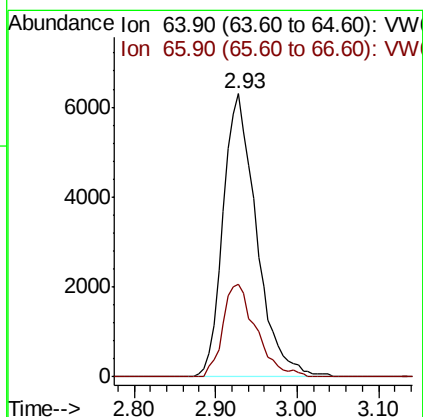
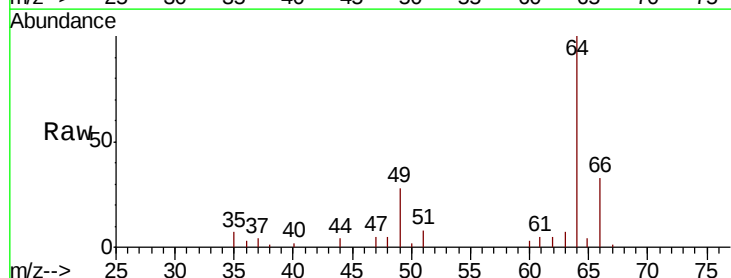
Acq: 13 Dec 2018 18:38

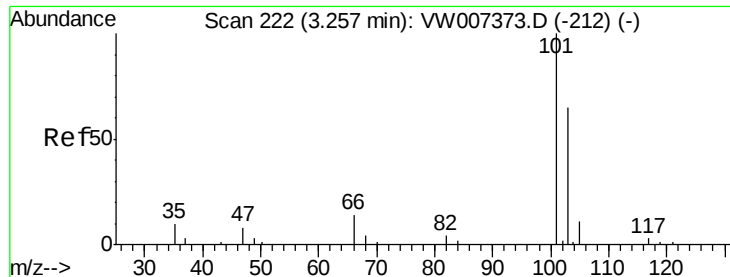
Tgt Ion: 64 Resp: 17874

Ion Ratio Lower Upper

64 100

66 32.6 24.6 37.0





#7

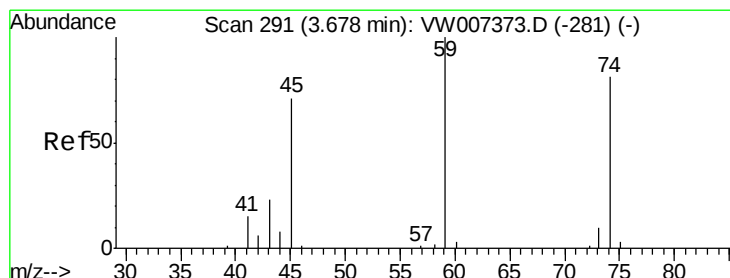
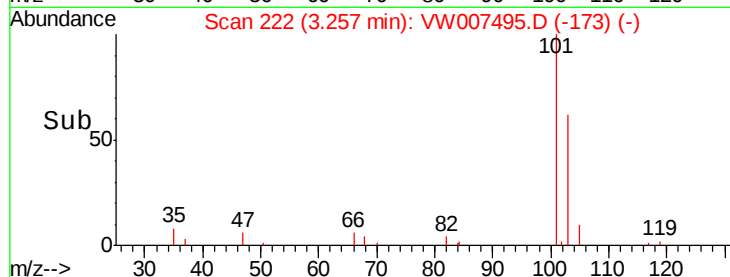
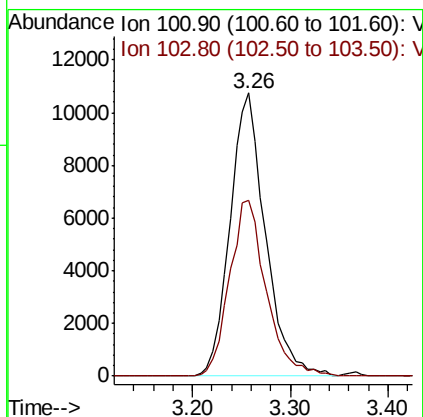
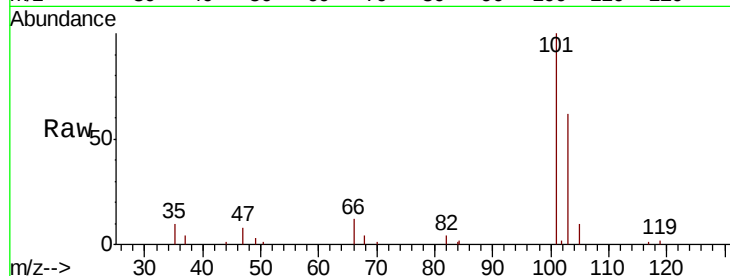
Trichlorofluoromethane
 Concen: 49.881 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		26919		
103	62.2	51.7	77.5		

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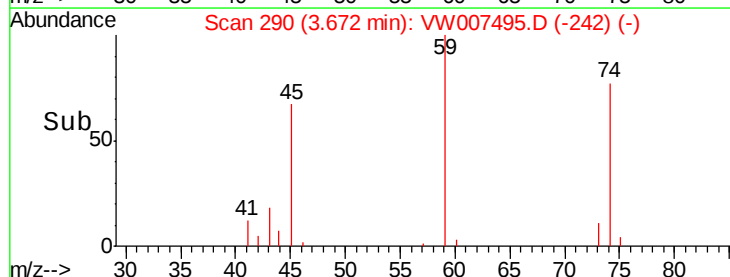
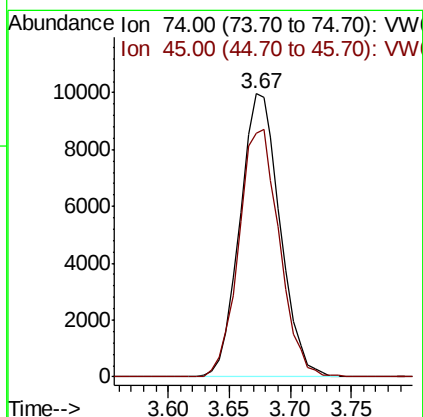
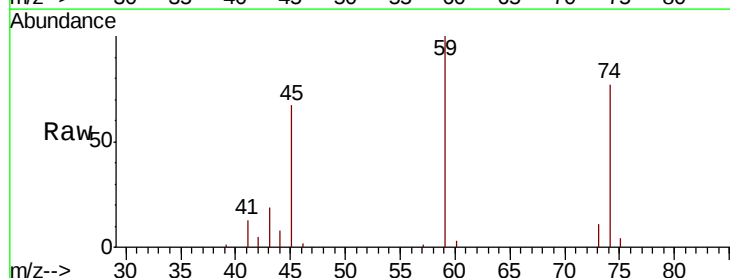
MMDadoda
 12/14/2018 11:24:43 AM

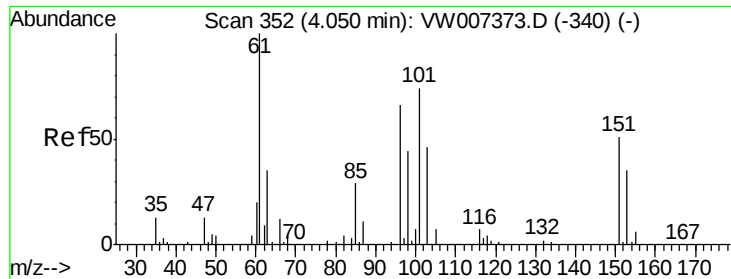


#8

Diethyl Ether
 Concen: 53.676 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22672		
45	88.4	43.0	129.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.786 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007495.D

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Instrument :

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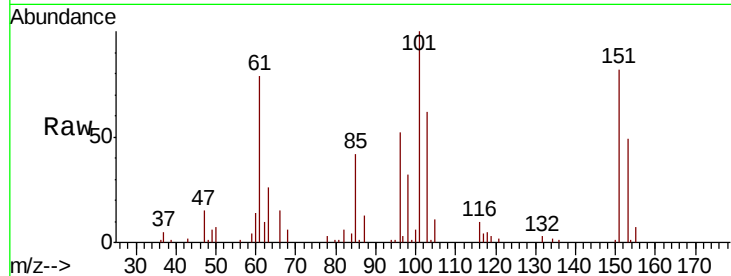
ClientSampleId :

VSTDCCC050EC

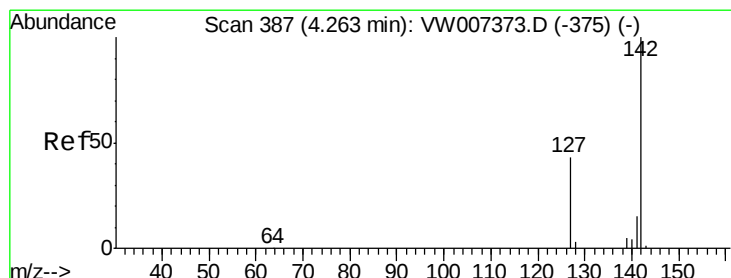
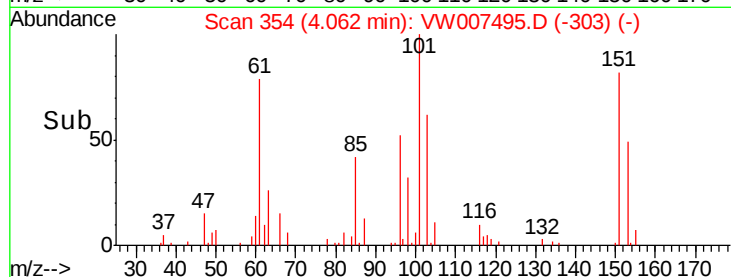
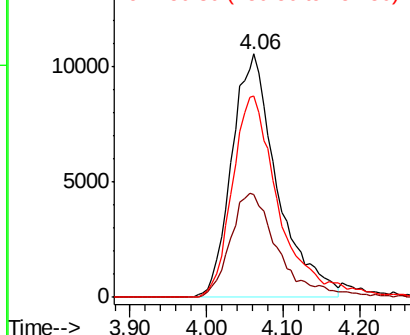
Tot Ion:	101	Resp:	43443
Ion Ratio	Lower	Upper	
101	100		
85	44.9	33.9	50.9
151	85.5	63.7	95.5

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



#10

Methyl Iodide

Concen: 50.231 ug/l

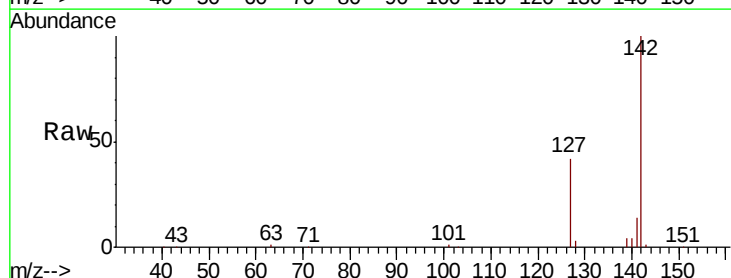
RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

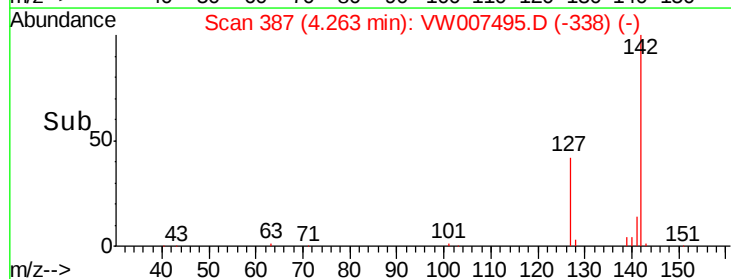
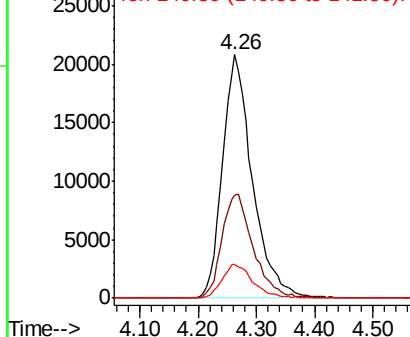
Lab File: VW007495.D

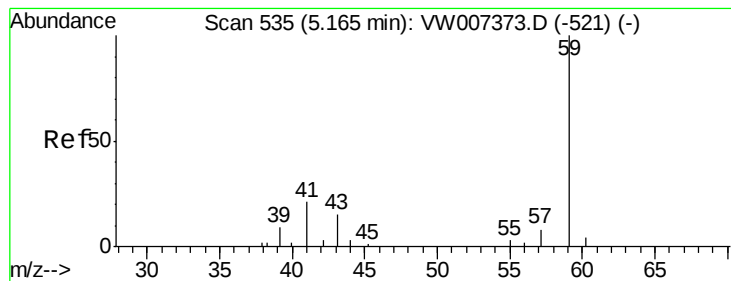
Acq: 13 Dec 2018 18:38

Tgt Ion:	142	Resp:	74081
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.8	53.6
141	14.3	11.1	16.7



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

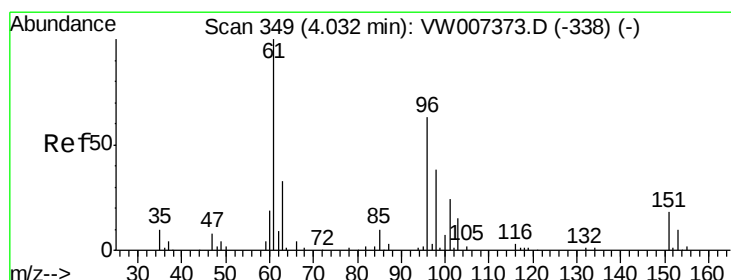
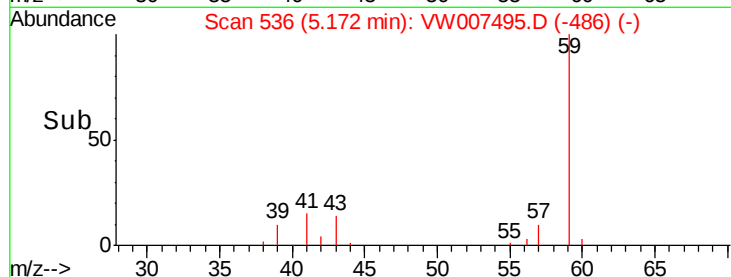
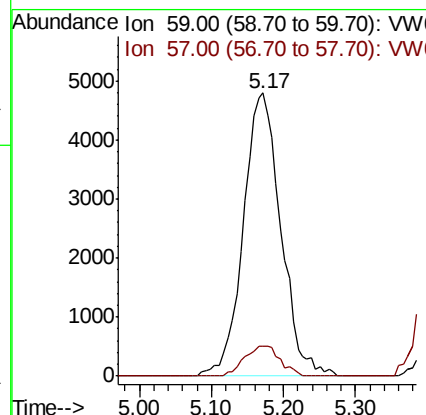
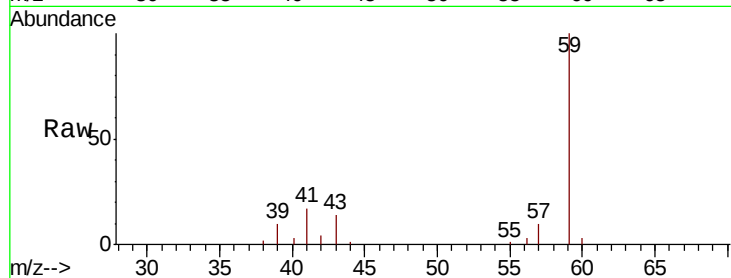
Tert butyl alcohol
Concen: 260.075 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59.00 (58.70 to 59.70): VW	Resp	17319
Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.6	11.4

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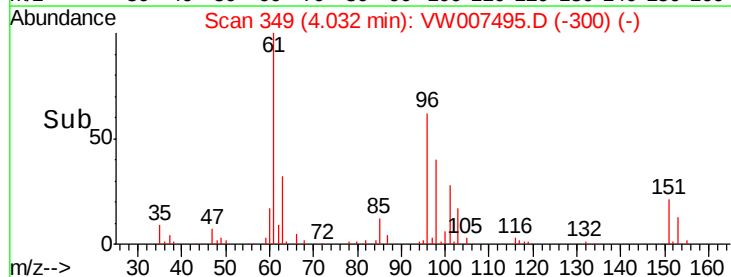
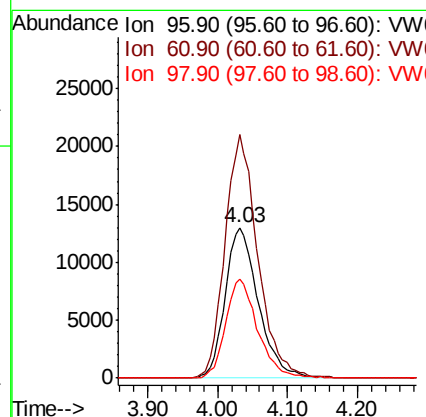
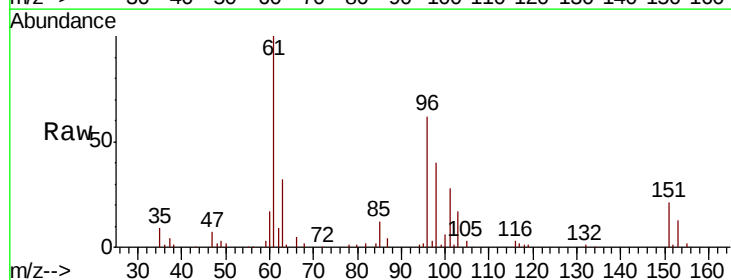
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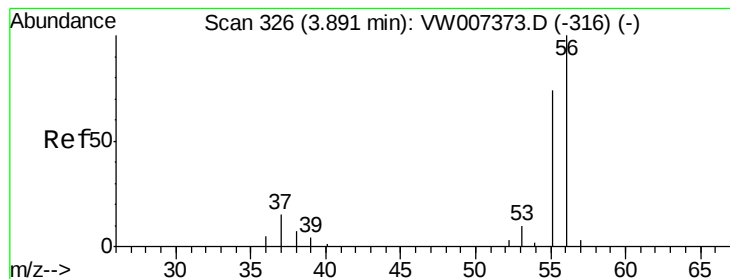


#12

1,1-Dichloroethene
Concen: 49.937 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	96	Resp	42814
Ion	Ratio	Lower	Upper
96	100		
61	162.1	126.2	189.2
98	65.6	48.3	72.5





#13

Acrolein

Concen: 276.962 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 12204

Ion Ratio Lower Upper

56 100

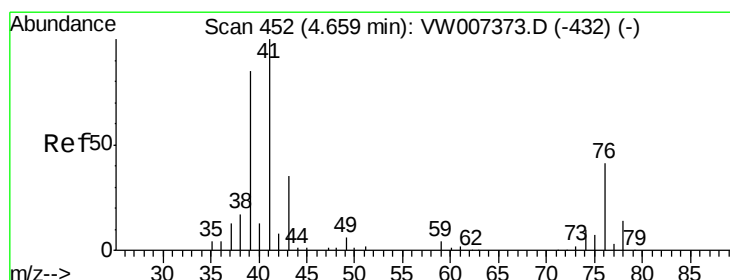
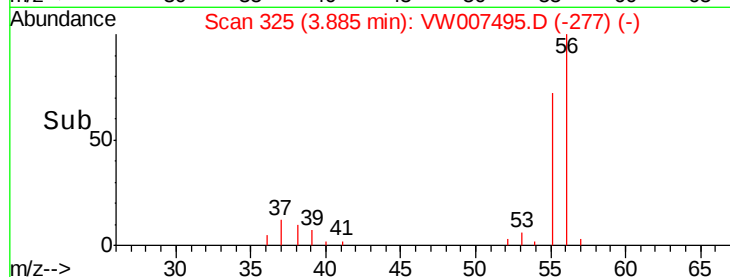
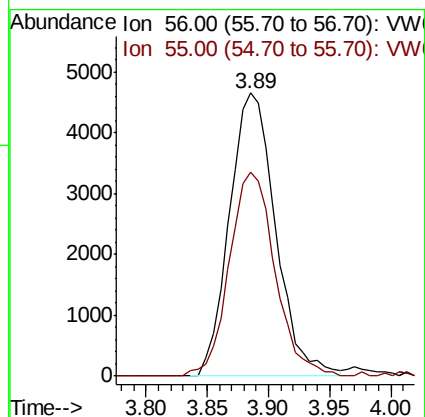
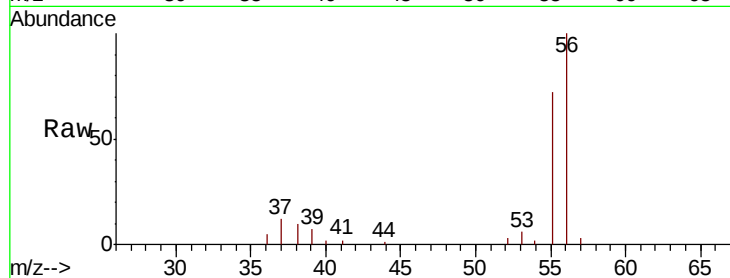
55 71.1 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 50.791 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

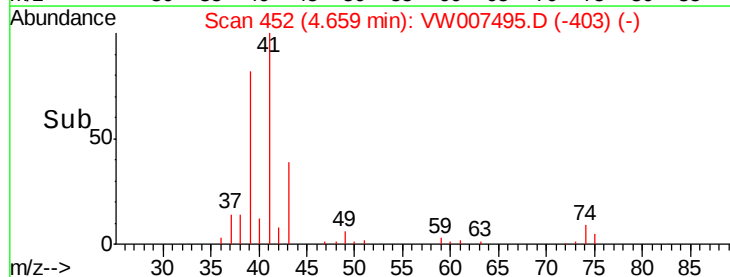
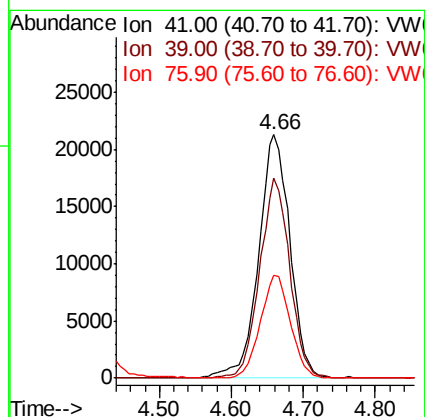
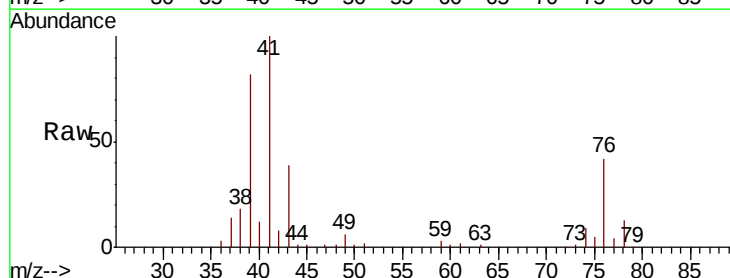
Tgt Ion: 41 Resp: 64188

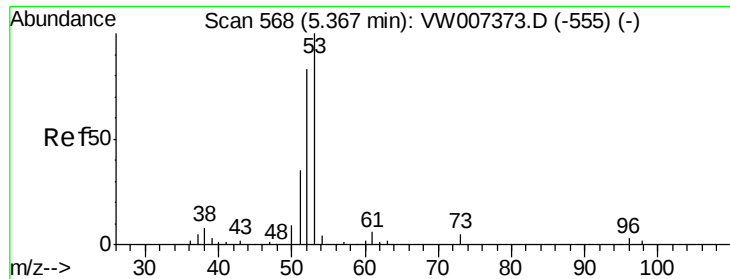
Ion Ratio Lower Upper

41 100

39 78.8 63.4 95.2

76 40.5 32.1 48.1





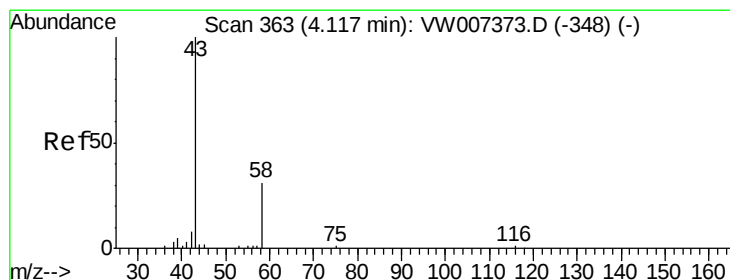
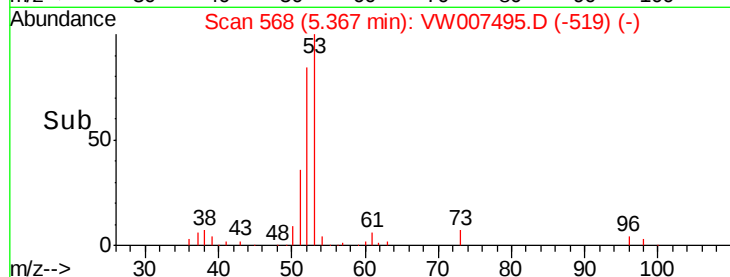
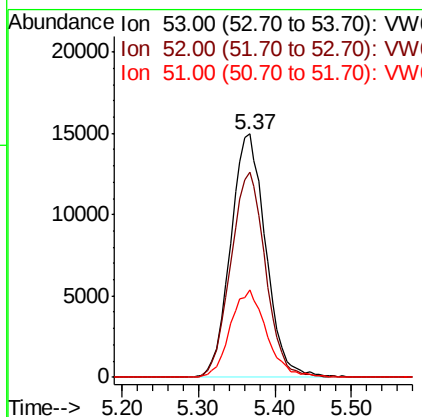
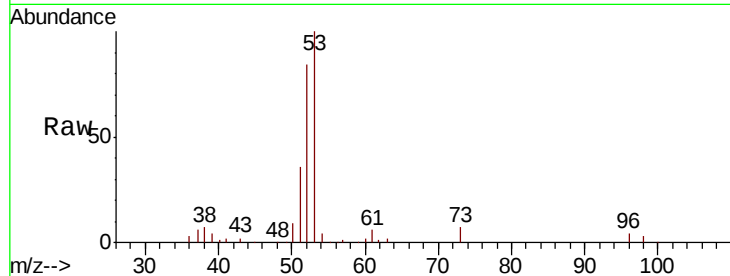
#15
 Acrylonitrile
 Concen: 267.499 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.4	101.2
51	37.0	30.2	45.2

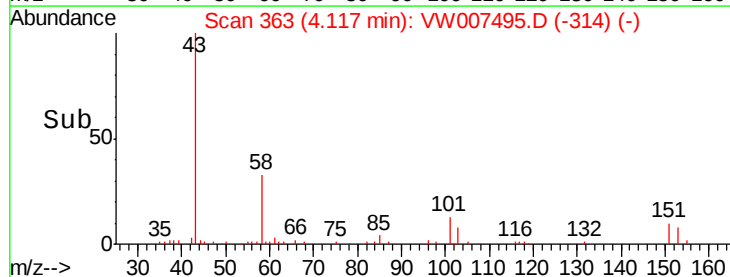
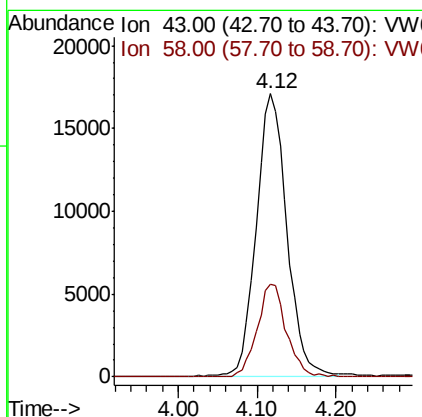
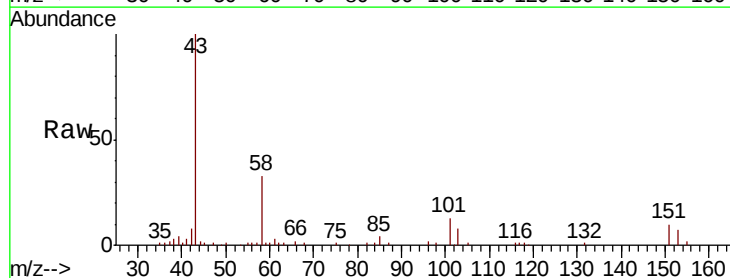
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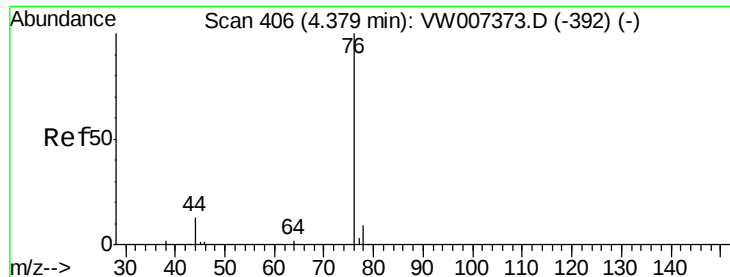
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#16
 Acetone
 Concen: 273.316 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.9	37.3





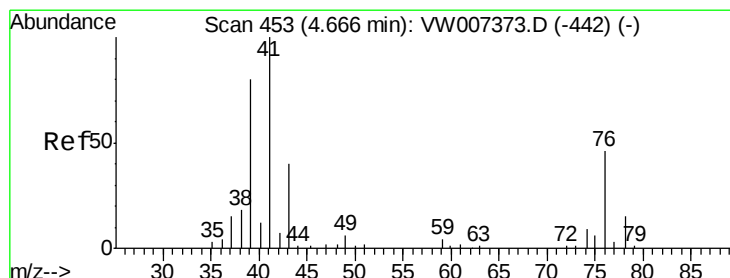
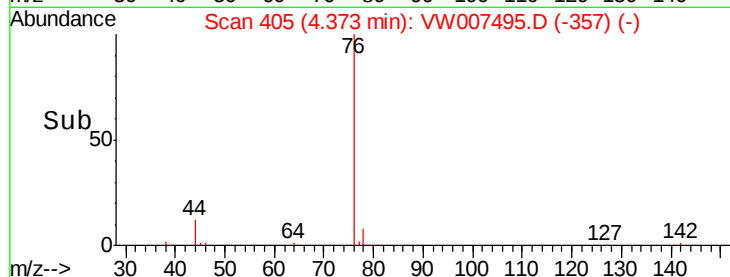
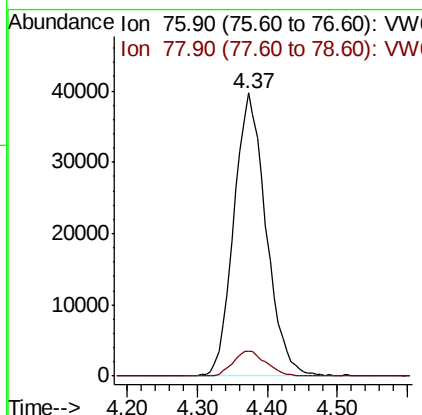
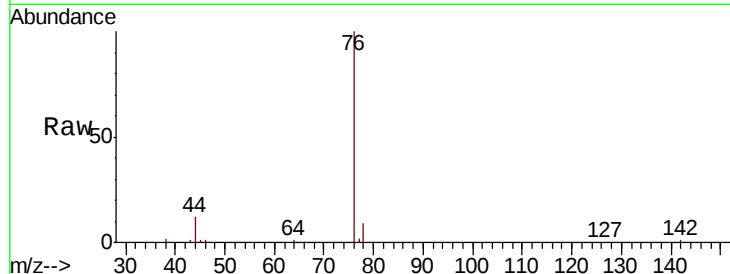
#17
Carbon Disulfide
Concen: 48.865 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

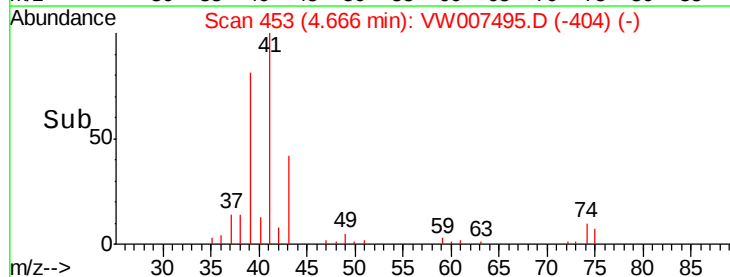
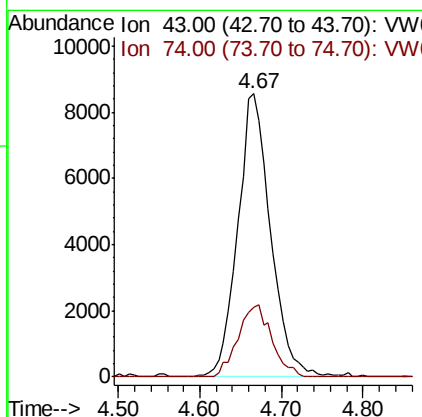
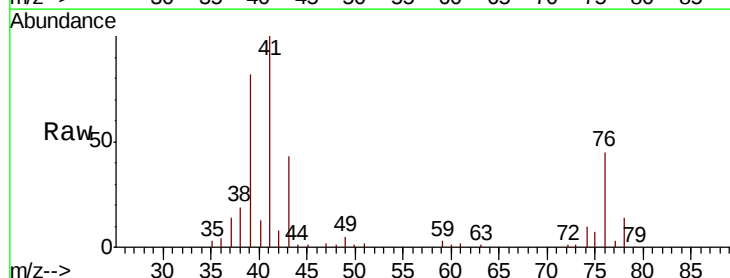
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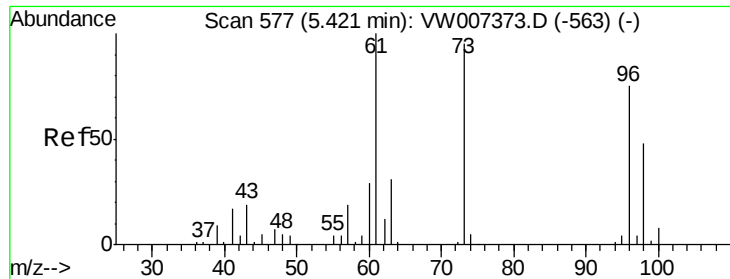
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#18
Methyl Acetate
Concen: 51.937 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	21.1	31.7





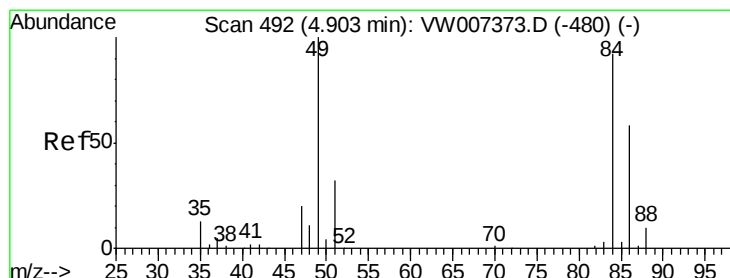
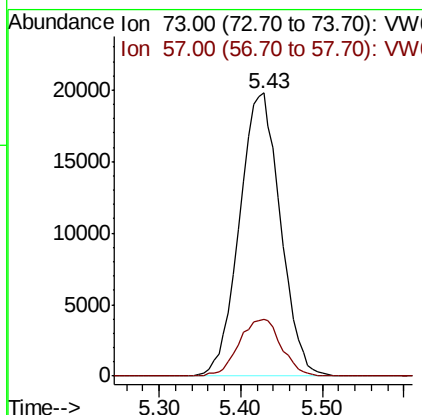
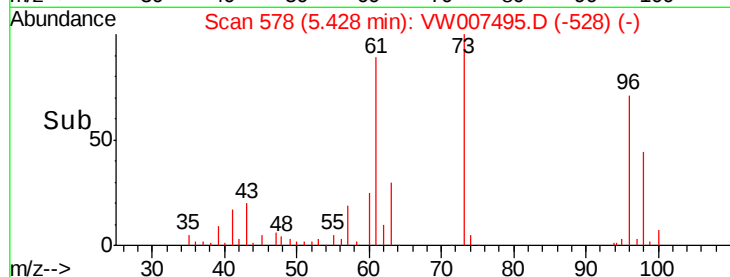
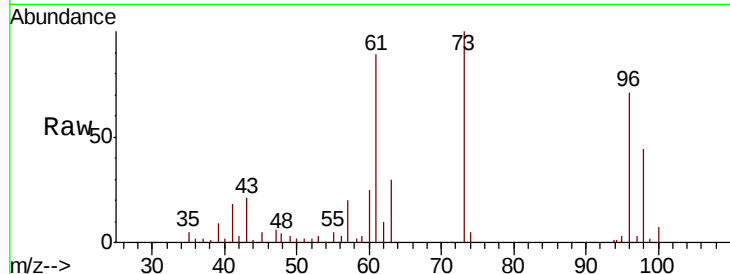
#19
Methvl tert-butvl Ether
Concen: 53.337 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 68985
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6

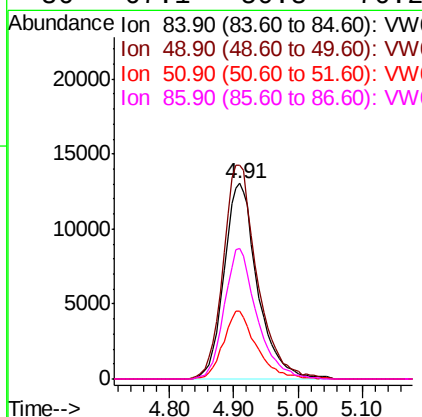
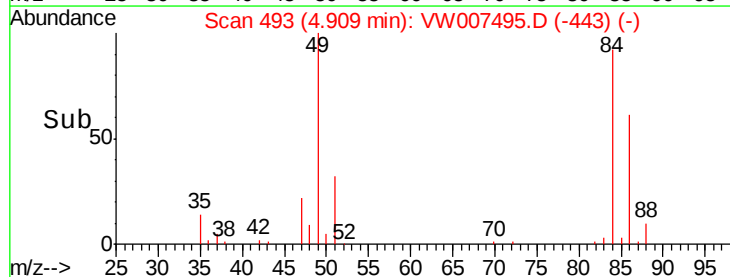
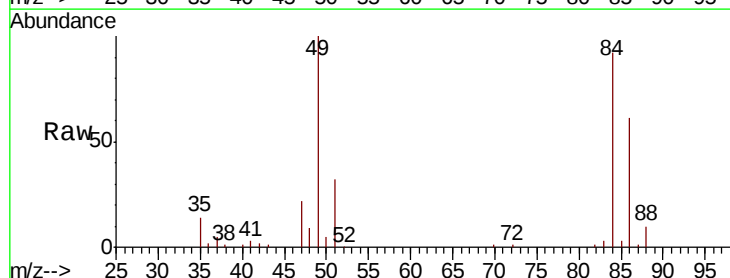
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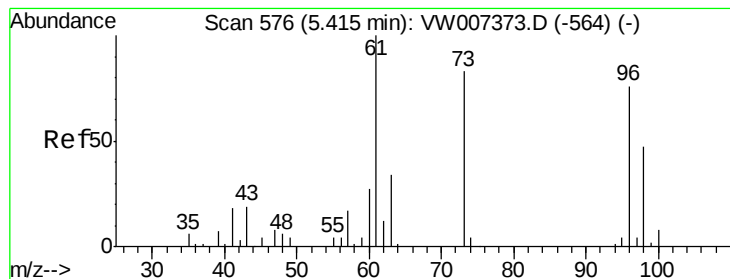
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#20
Methylene Chloride
Concen: 51.087 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 84 Resp: 47237
Ion Ratio Lower Upper
84 100
49 109.2 87.1 130.7
51 34.4 28.2 42.2
86 67.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 50.066 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 48018

Ion Ratio Lower Upper

96 100

61 136.3 105.0 157.6

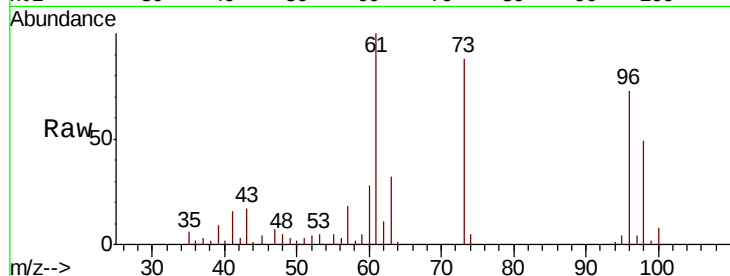
98 66.1 49.7 74.5

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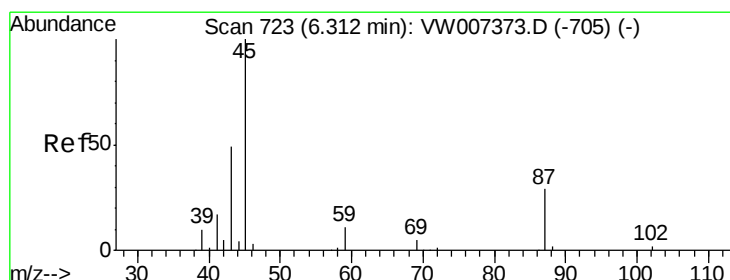
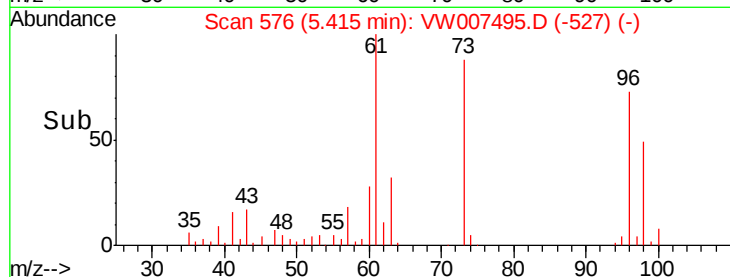
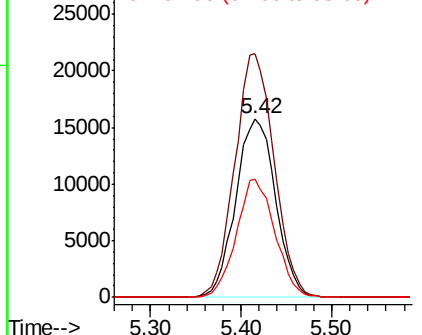


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.107 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Tgt Ion: 45 Resp: 126576

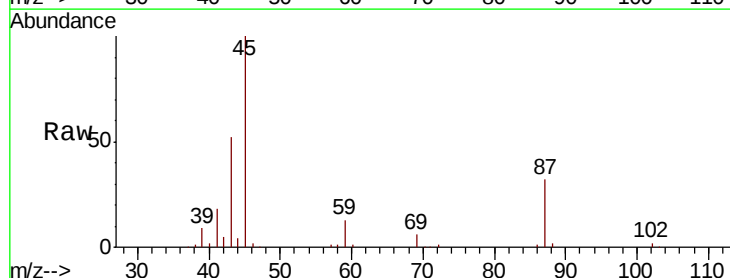
Ion Ratio Lower Upper

45 100

43 52.0 41.6 62.4

87 32.3 24.3 36.5

59 12.9 9.4 14.0



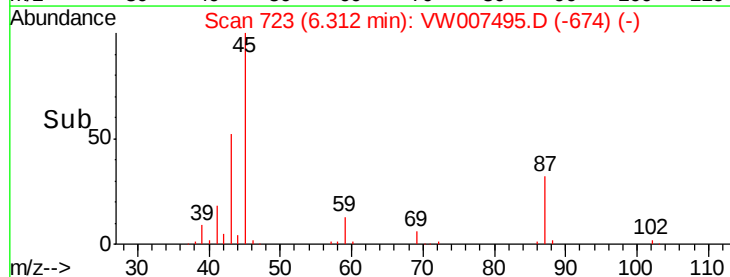
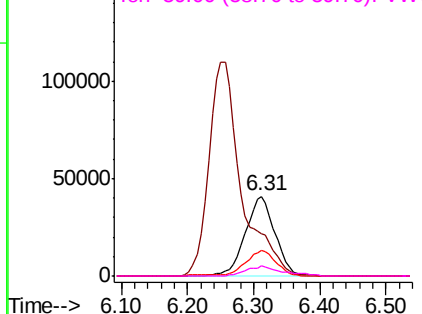
Abundance

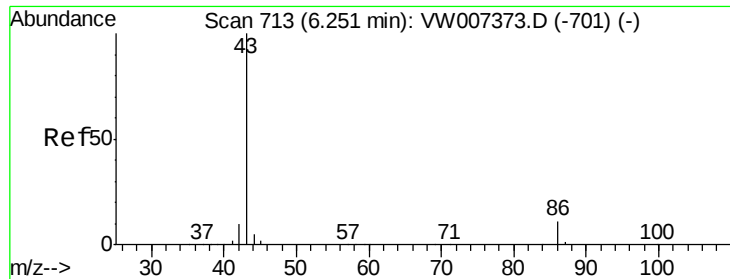
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





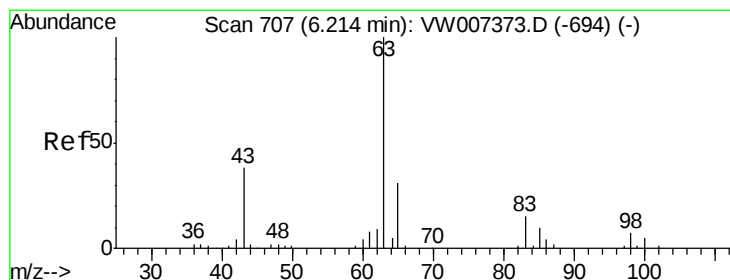
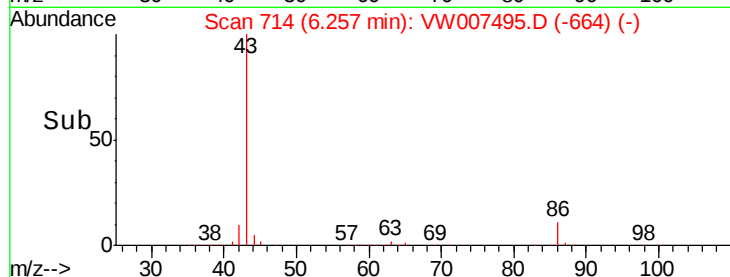
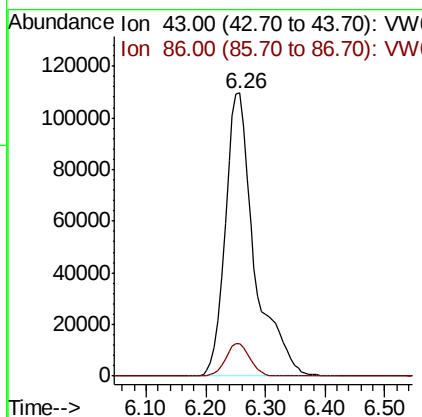
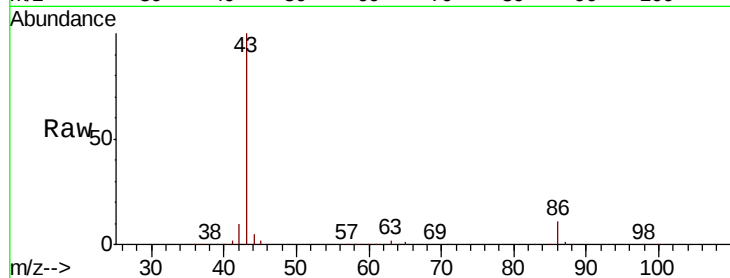
#23
 Vinyl Acetate
 Concen: 274.405 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43.00	Resp	372834
Ion Ratio	100	Lower	Upper
43	100		
86	11.5	8.6	12.8

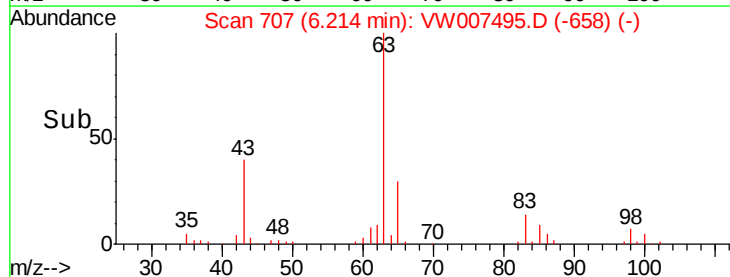
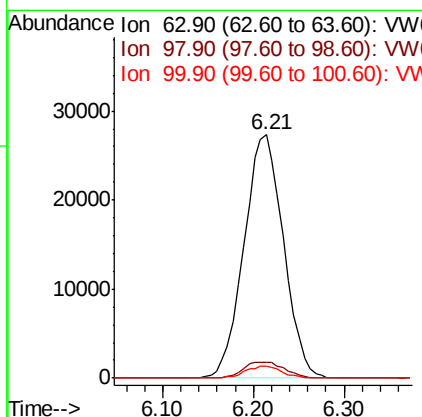
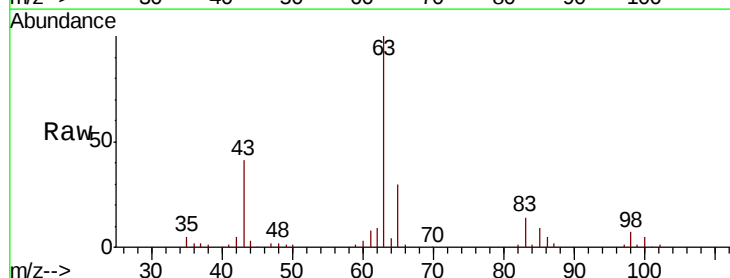
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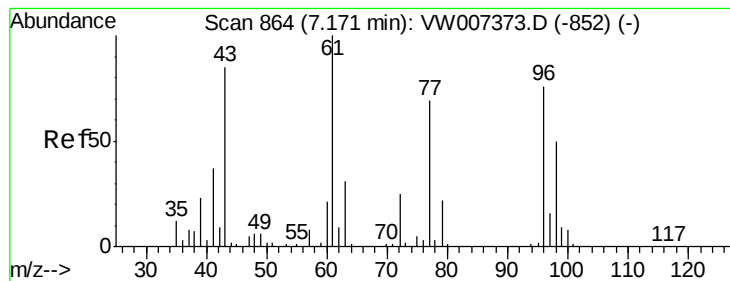
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#24
 1,1-Dichloroethane
 Concen: 50.155 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion	63	Resp	82343
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	3.5	10.4
100	4.8	2.5	7.5





#25

2-Butanone

Concen: 275.778 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 60976

Ion Ratio Lower Upper

43 100

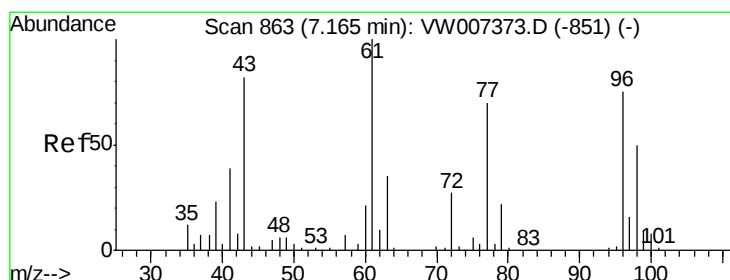
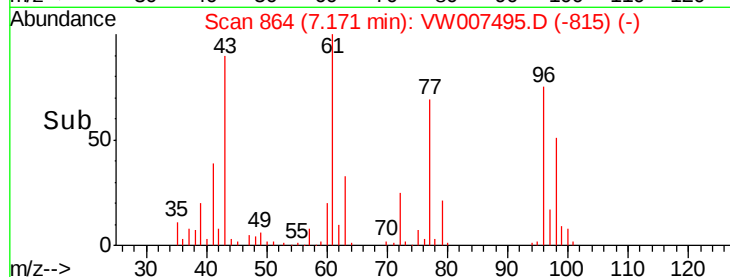
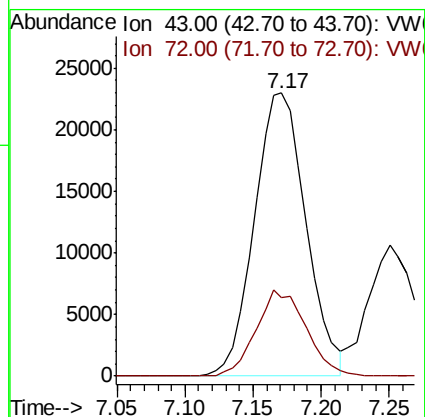
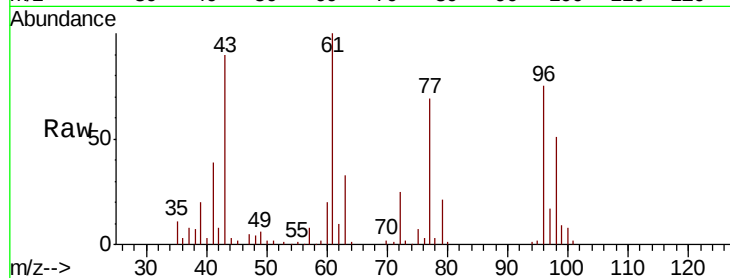
72 27.7 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.428 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007495.D

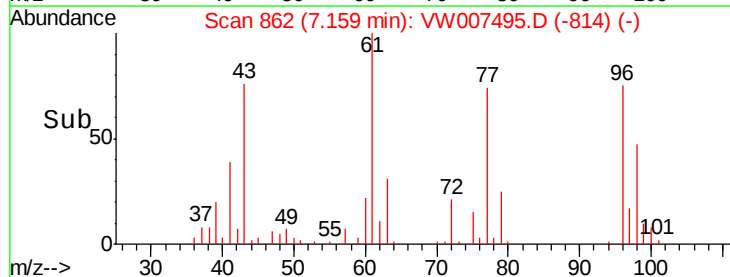
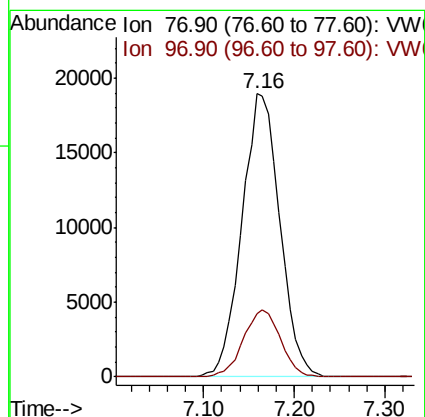
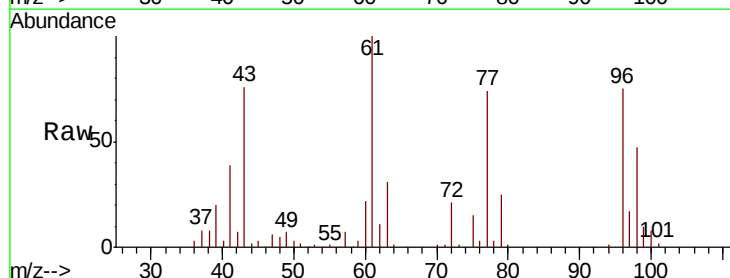
Acq: 13 Dec 2018 18:38

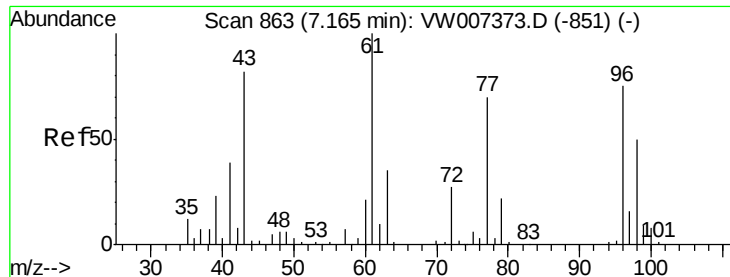
Tgt Ion: 77 Resp: 54792

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.8





#27

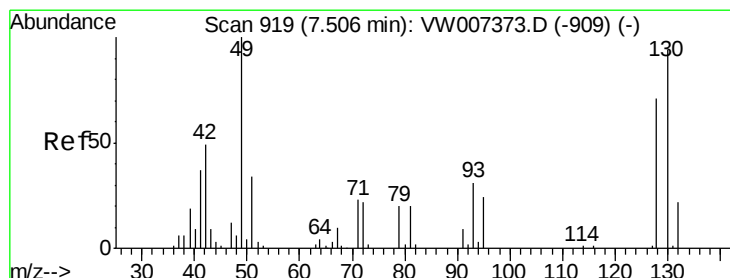
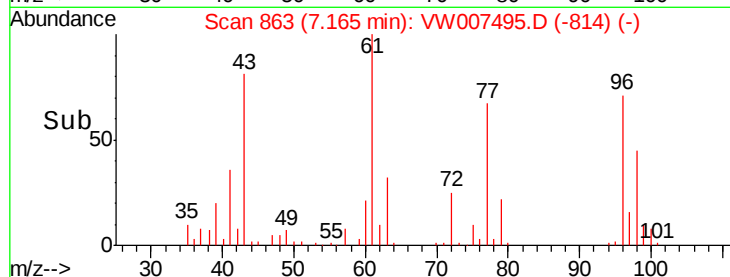
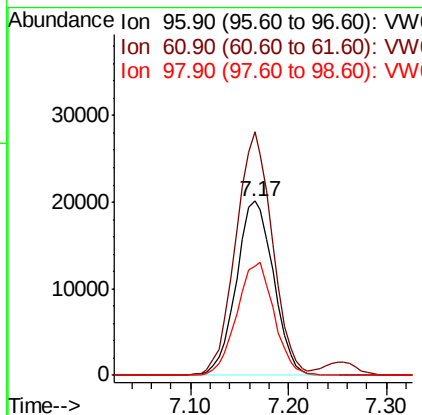
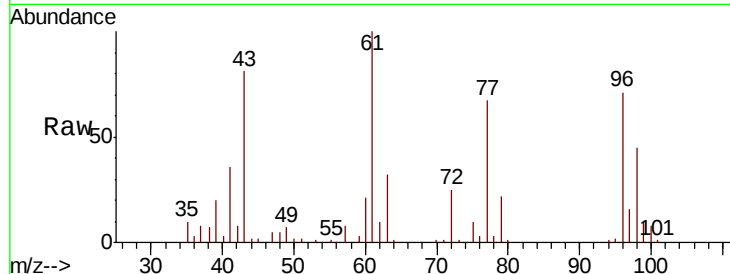
cis-1,2-Dichloroethene
Concen: 50.710 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	268.4
98	64.4	0.0	127.8

Manual Integrations
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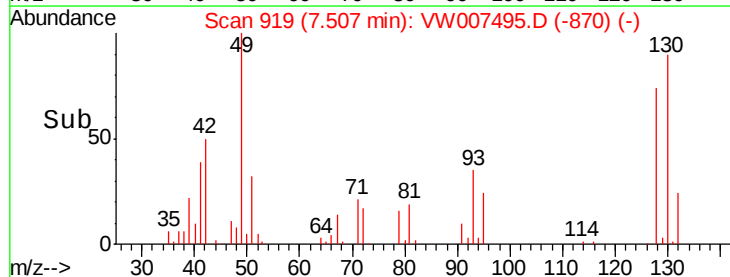
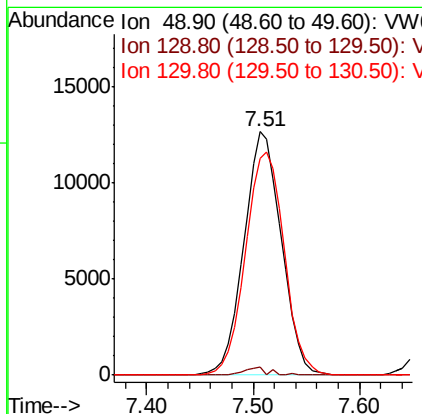
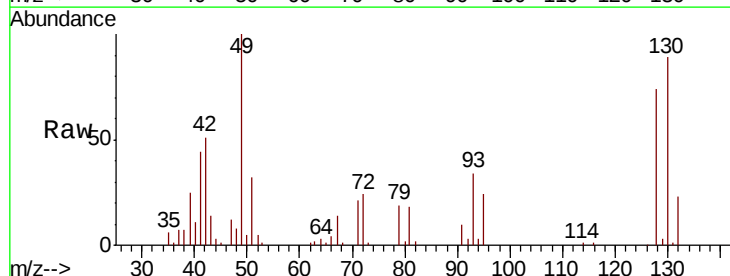
MMDadoda
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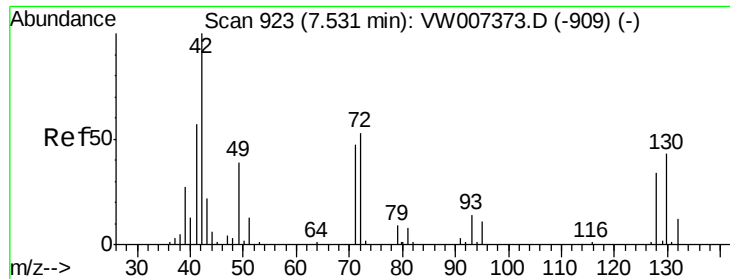


#28

Bromochloromethane
Concen: 50.632 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.6
130	94.5	75.9	113.9





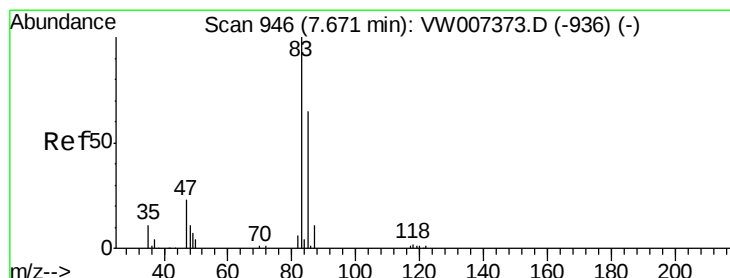
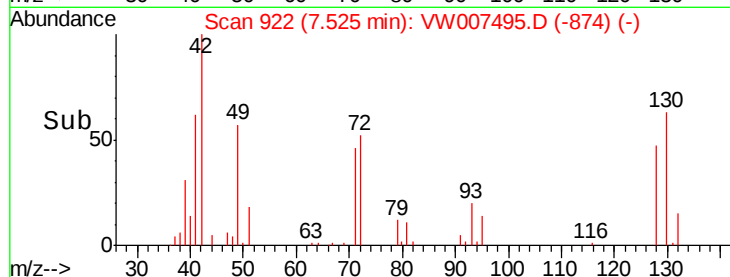
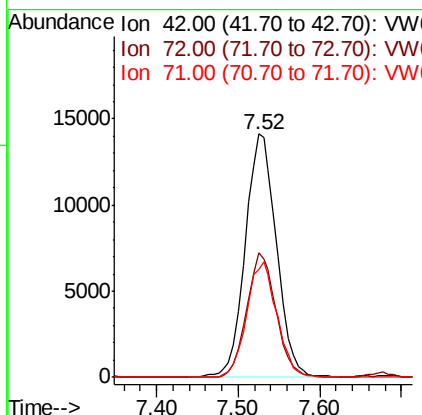
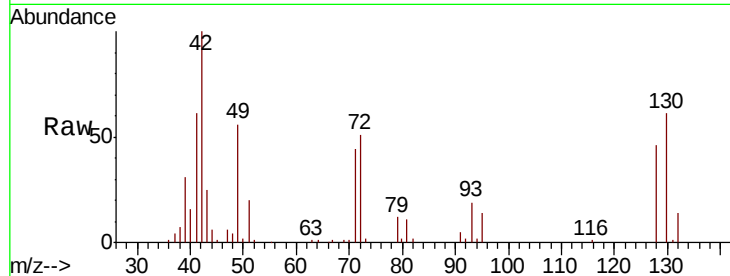
#29
Tetrahydrofuran
Concen: 268.863 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	38.2	57.4
71	45.9	35.5	53.3

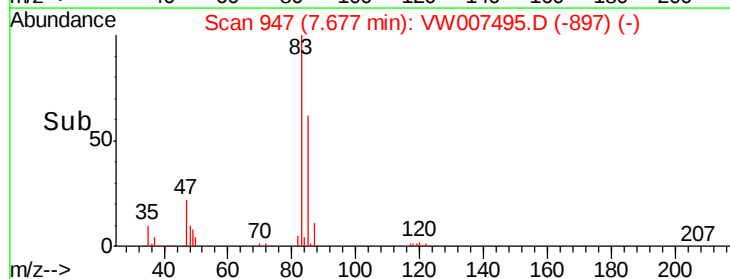
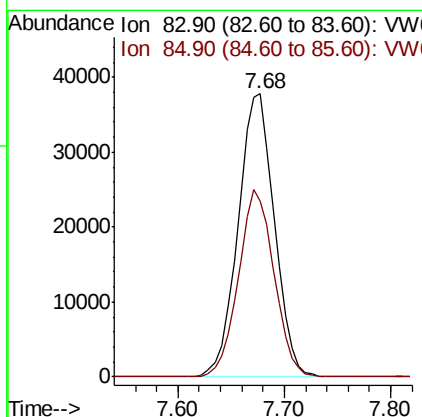
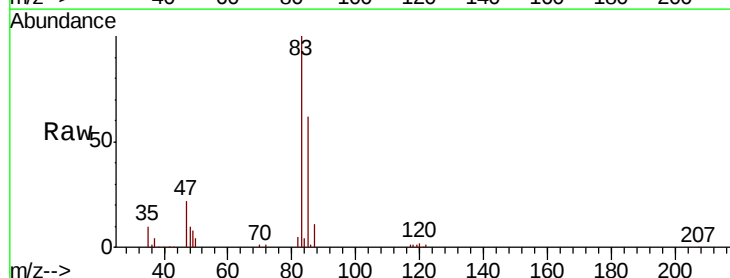
Manual Integrations
APPROVED

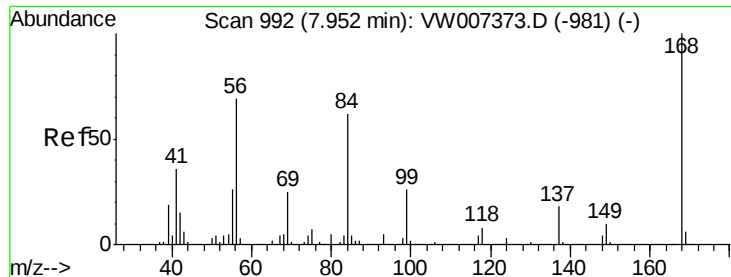
MMDadoda
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#30
Chloroform
Concen: 50.636 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.8	77.8





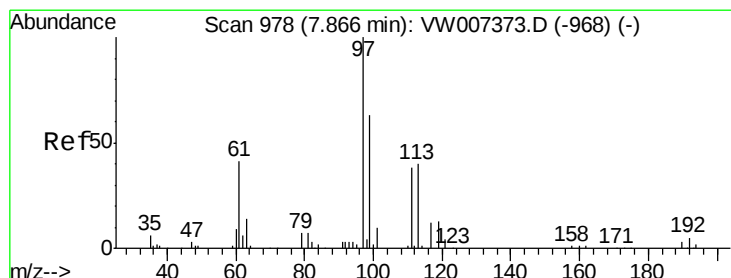
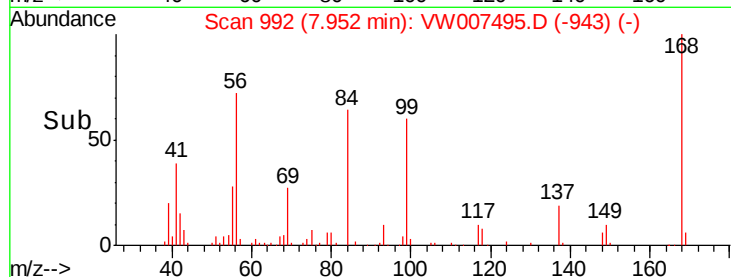
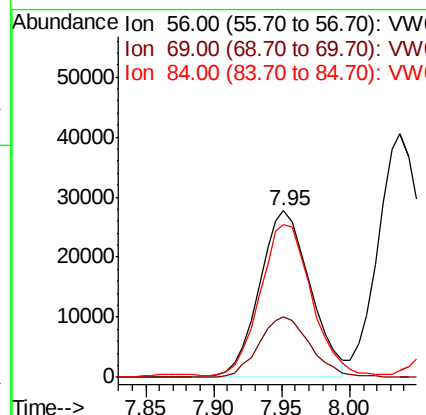
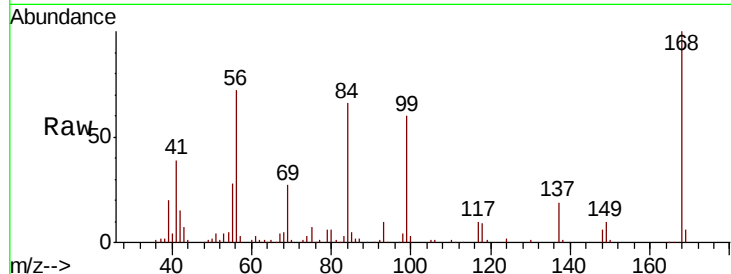
#31
Cyclohexane
Concen: 47.967 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	72252
Ion Ratio	100	Lower	Upper
56	100		
69	36.7	28.9	43.3
84	90.0	71.8	107.6

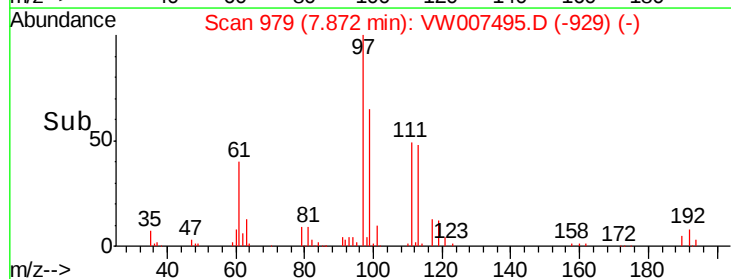
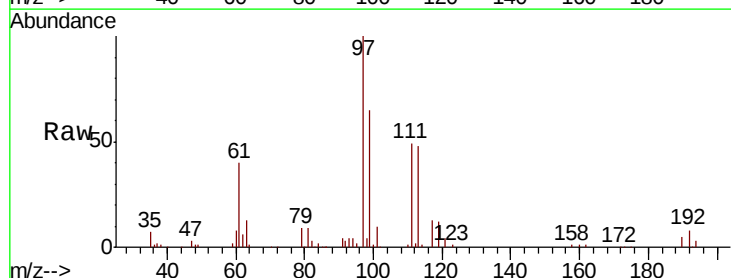
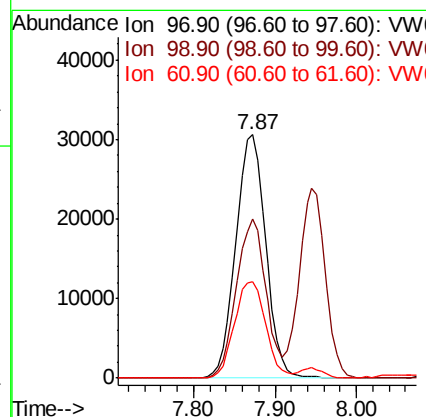
Manual Integrations
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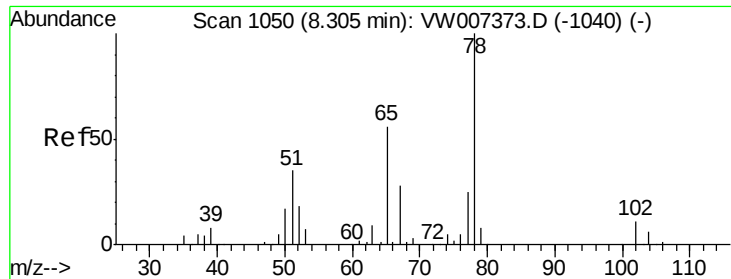
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#32
1,1,1-Trichloroethane
Concen: 49.617 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	97	Resp	77737
Ion Ratio	100	Lower	Upper
97	100		
99	64.6	51.1	76.7
61	41.2	33.2	49.8





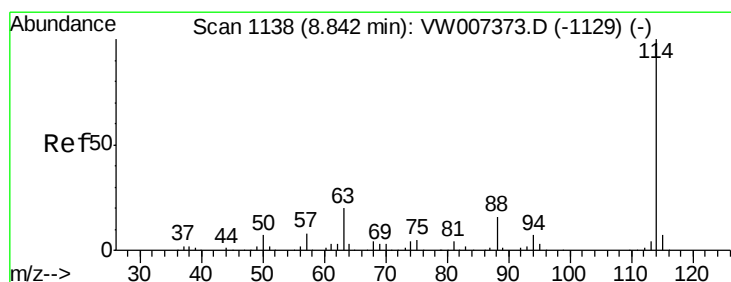
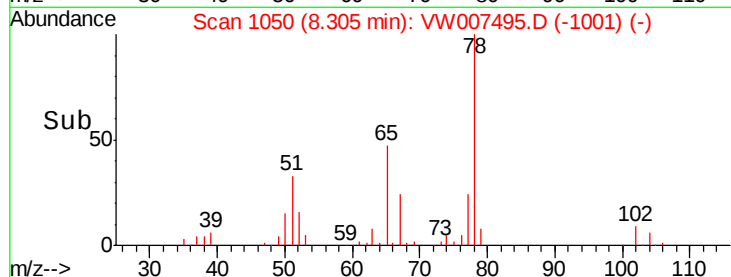
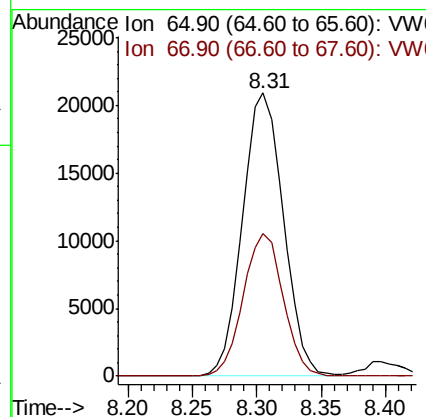
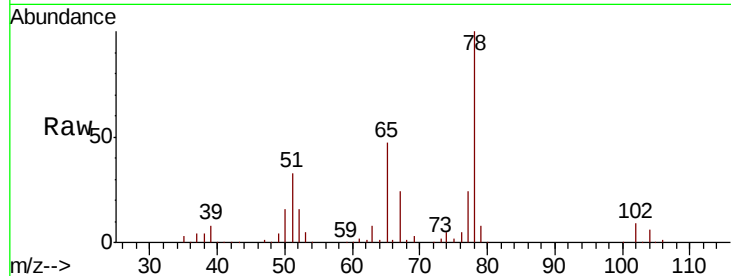
#33
 1,2-Dichloroethane-d4
 Concen: 47.496 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	46053		
67	49.2	0.0	101.6	

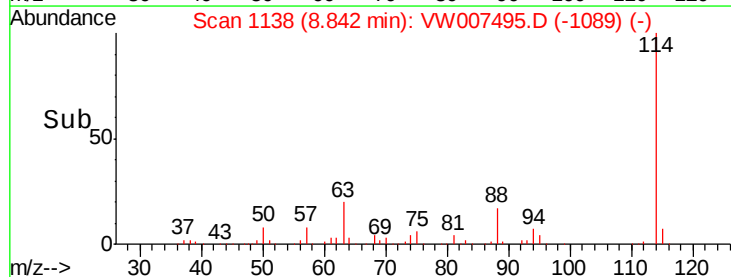
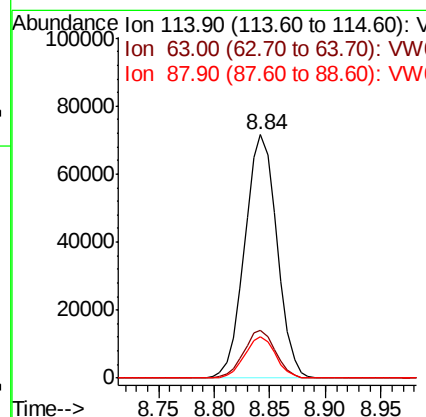
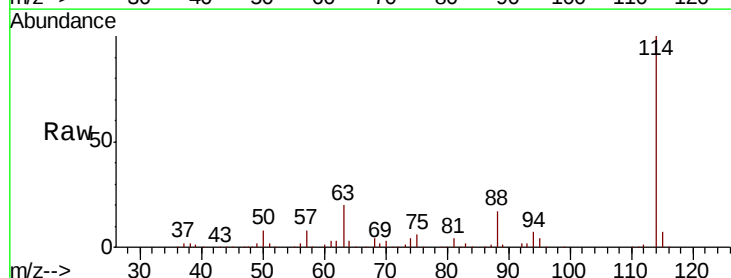
Manual Integrations
 APPROVED

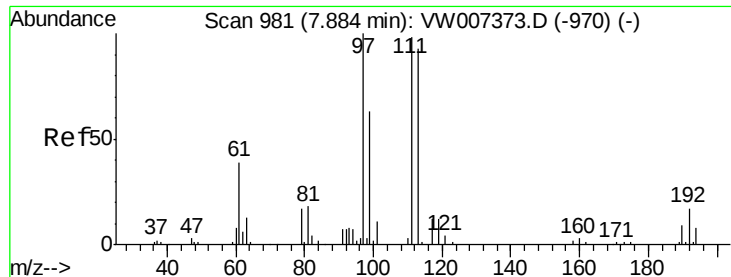
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	143748		
63	19.7	0.0	39.6	
88	16.7	0.0	31.4	





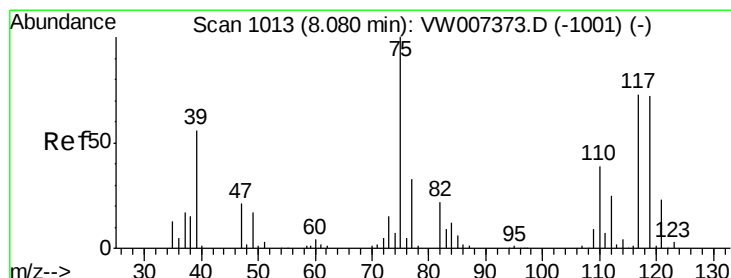
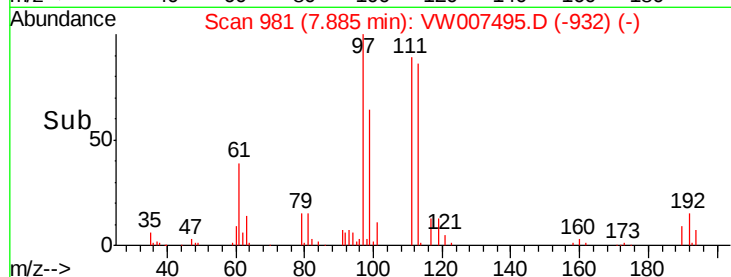
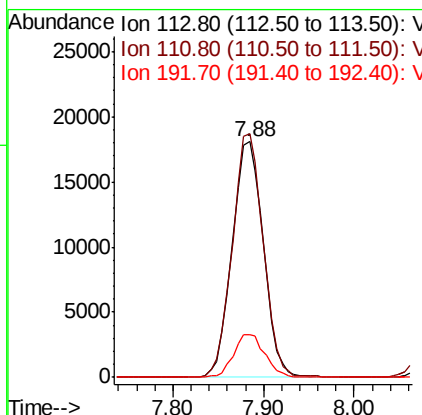
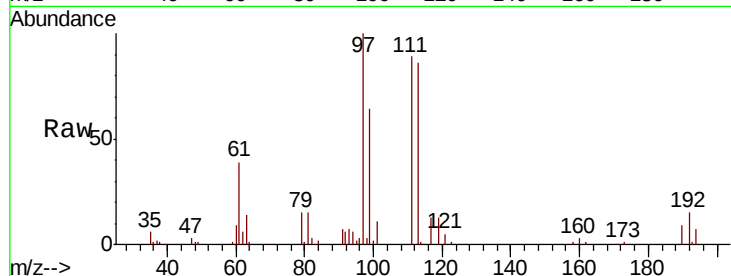
#35
Dibromofluoromethane
Concen: 49.770 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.1	121.7
192	18.0	14.6	21.8

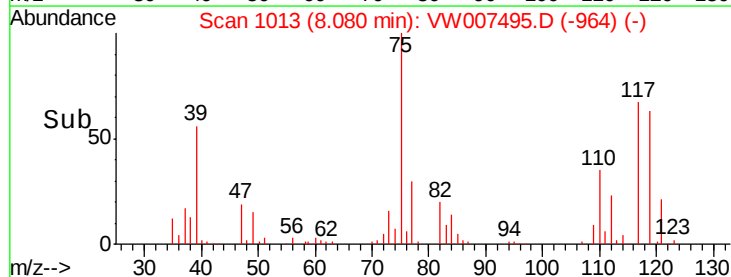
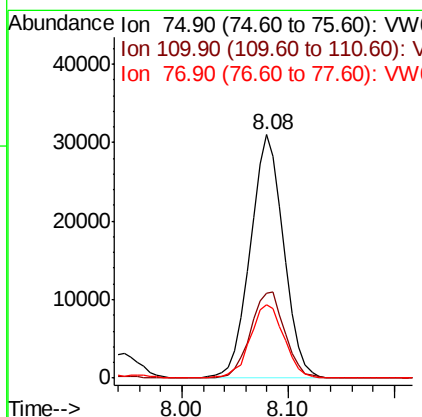
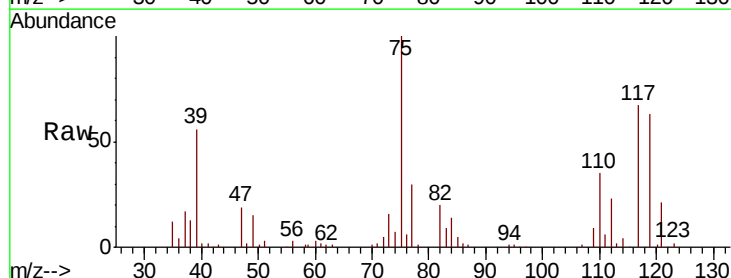
Manual Integrations
APPROVED

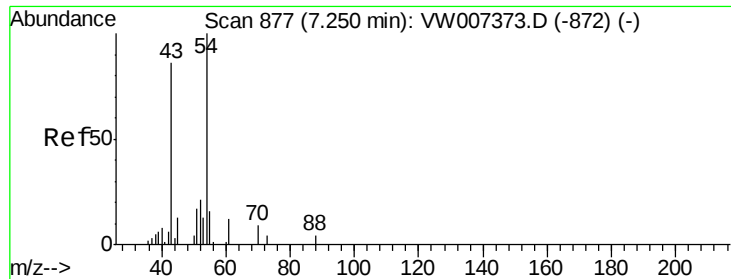
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#36
1,1-Dichloropropene
Concen: 51.948 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.5	55.5
77	30.7	25.6	38.4





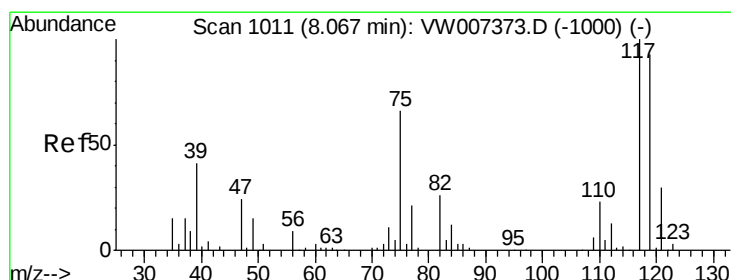
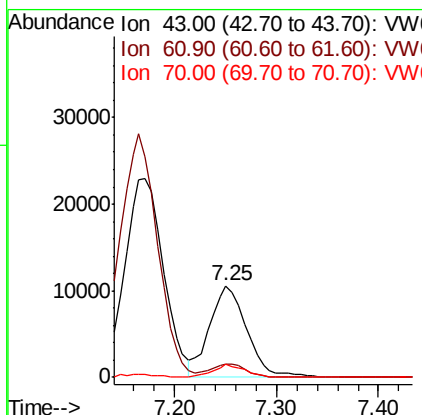
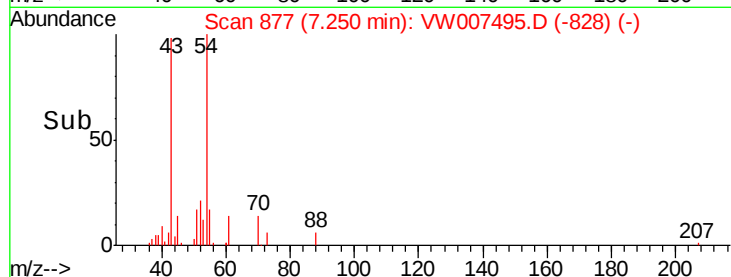
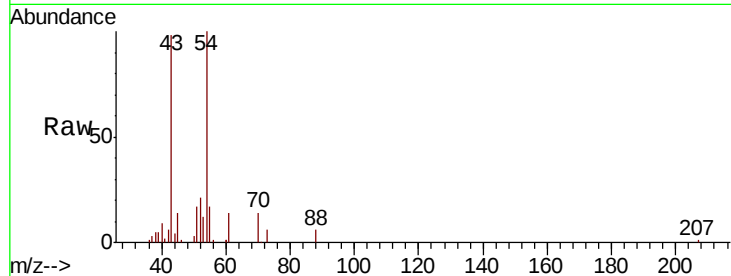
#37
Ethyl Acetate
Concen: 55.205 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.1	18.1
70	12.0	10.0	15.0

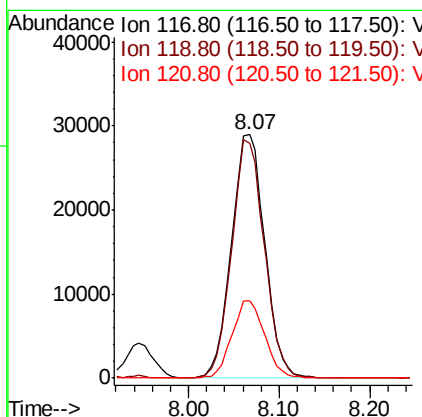
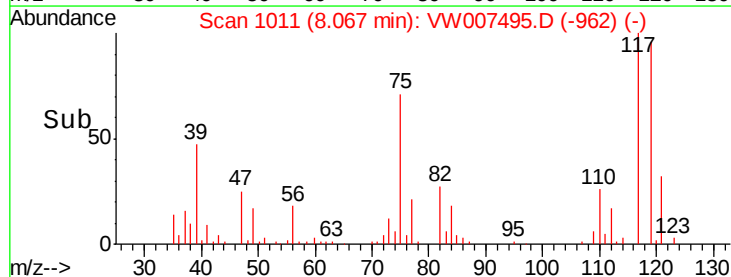
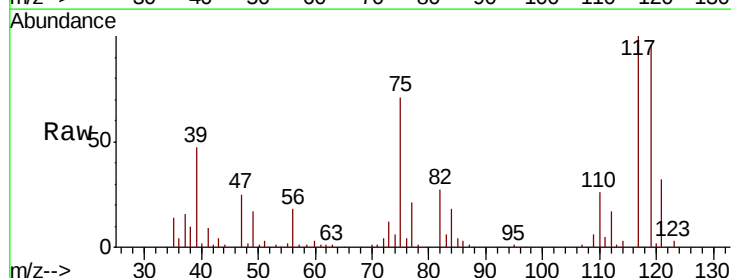
Manual Integrations
APPROVED

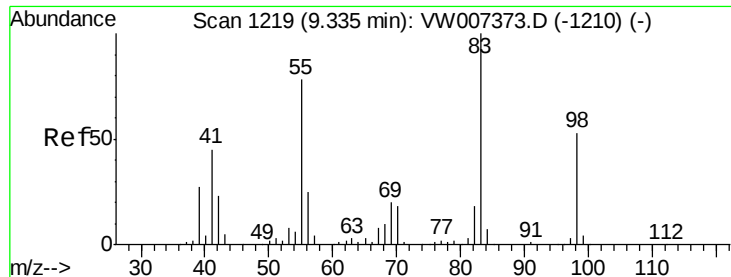
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#38
Carbon Tetrachloride
Concen: 51.833 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	74.3	111.5
121	31.5	24.3	36.5





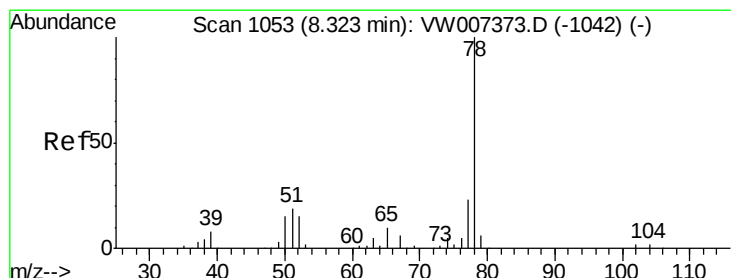
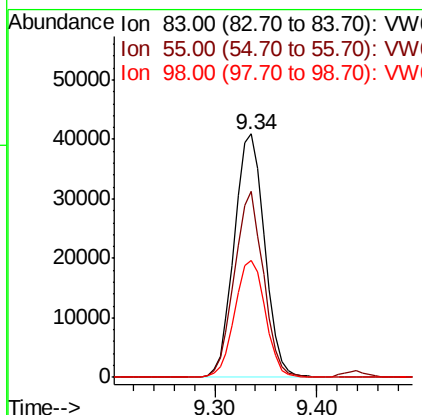
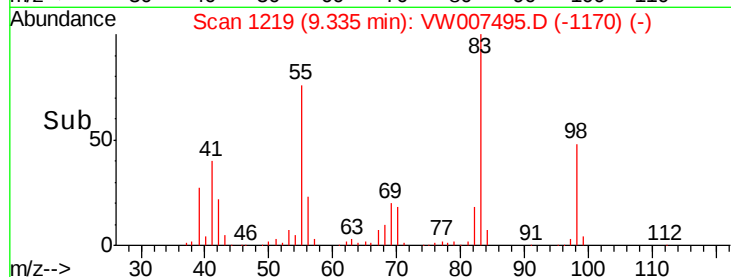
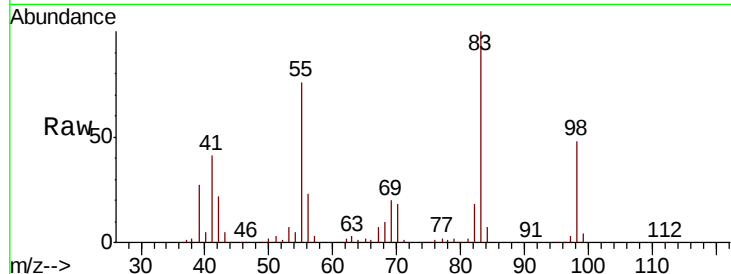
#39
Methvlcvclohexane
Concen: 53.190 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	62.8	94.2
98	47.8	42.2	63.2

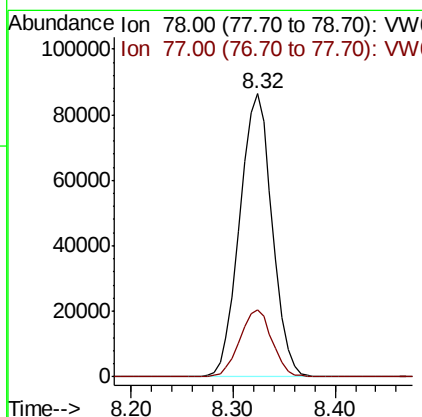
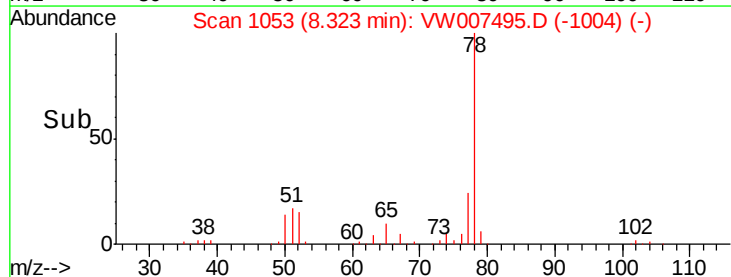
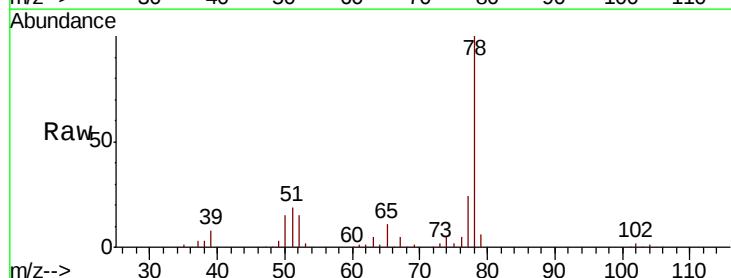
Manual Integrations
APPROVED

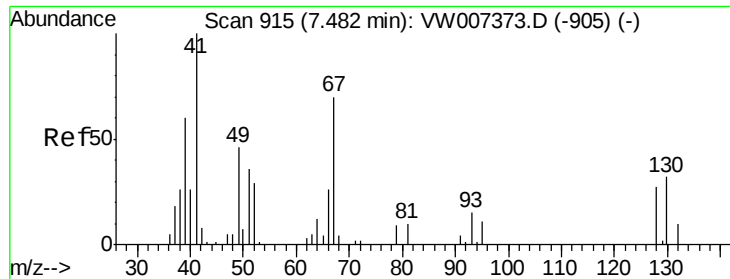
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#40
Benzene
Concen: 52.450 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





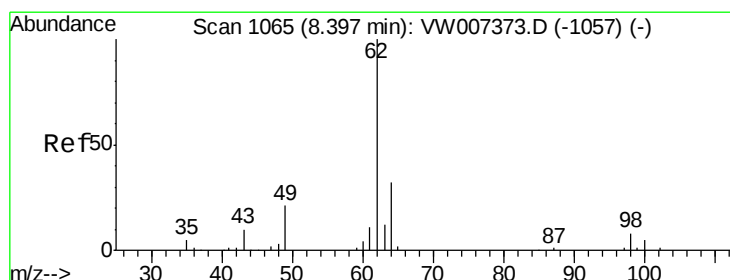
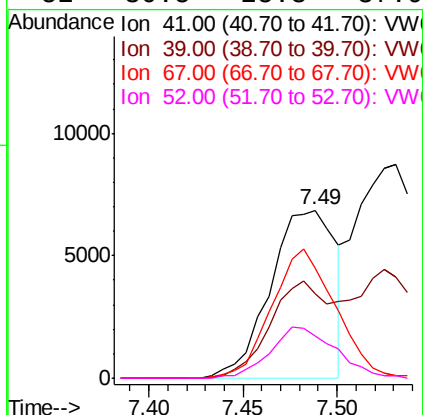
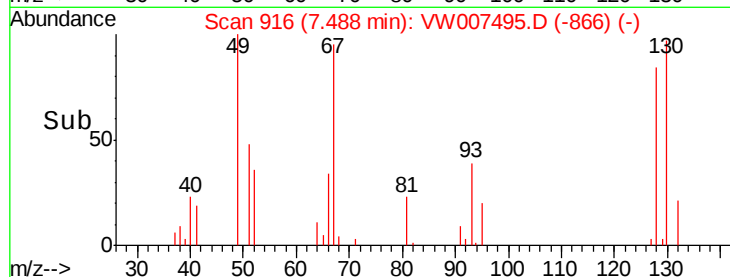
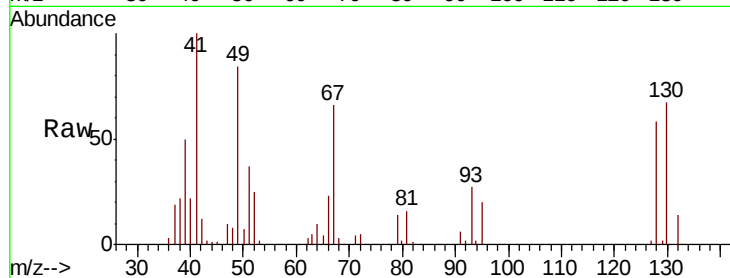
#41
Methacrylonitrile
Concen: 59.239 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.4	52.2	78.2#
67	75.2	60.5	90.7
52	30.5	25.3	37.9

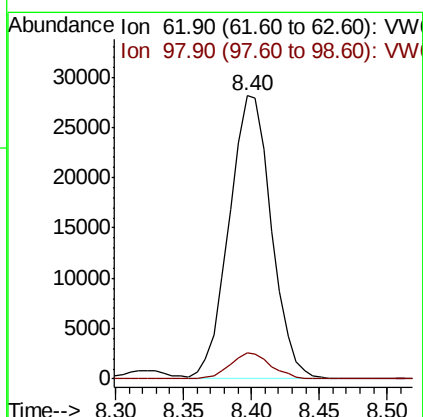
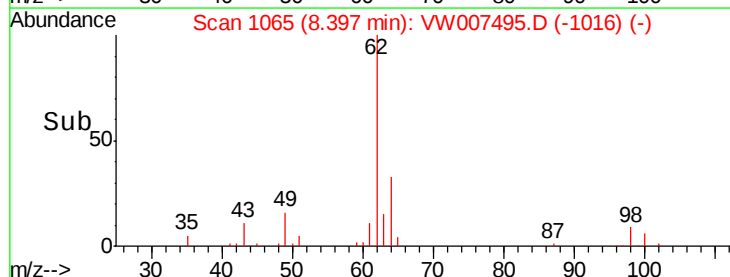
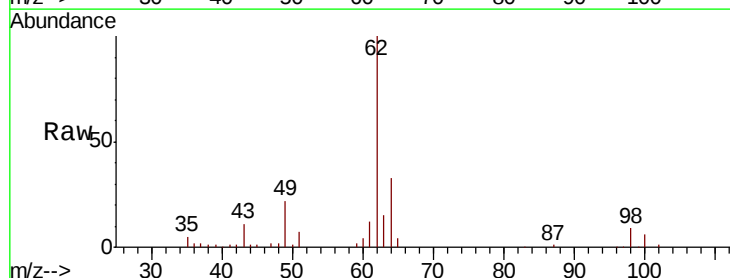
Manual Integrations
APPROVED

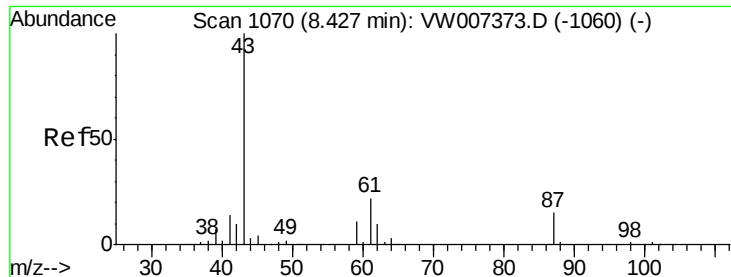
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.415 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 54.817 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

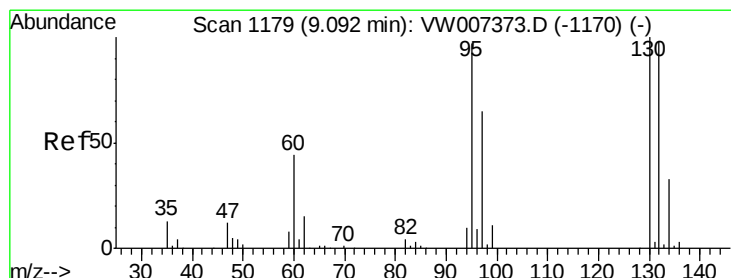
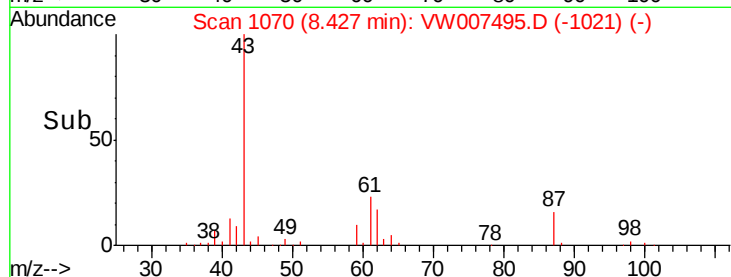
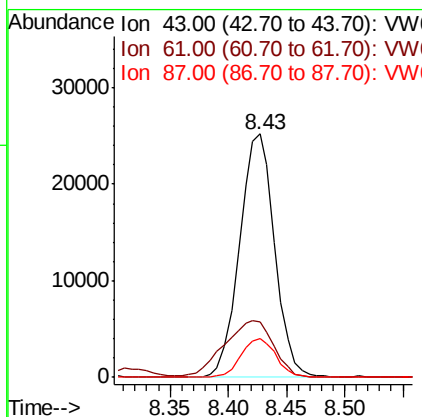
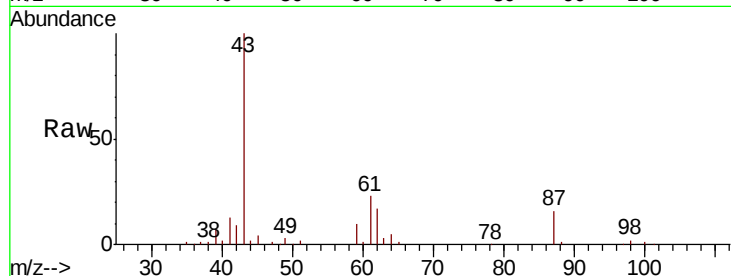
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	52811
Ion	Ratio	Lower	Upper
43	100		
61	32.6	25.3	37.9
87	15.8	11.8	17.8

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#44

Trichloroethene

Concen: 52.405 ug/l

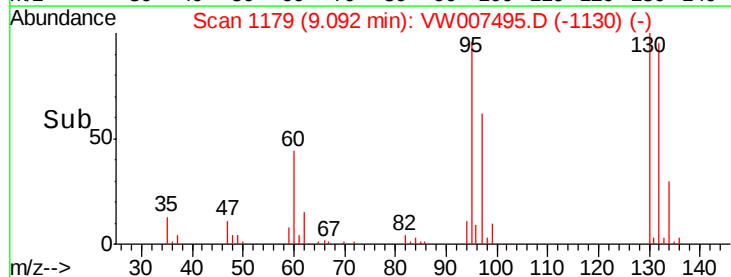
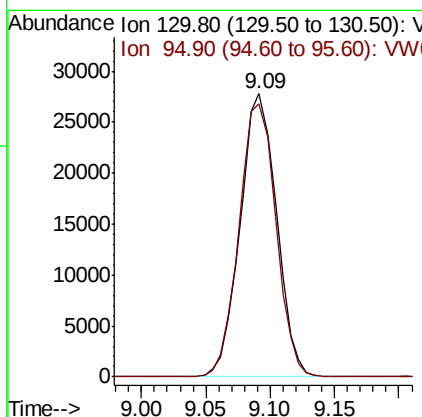
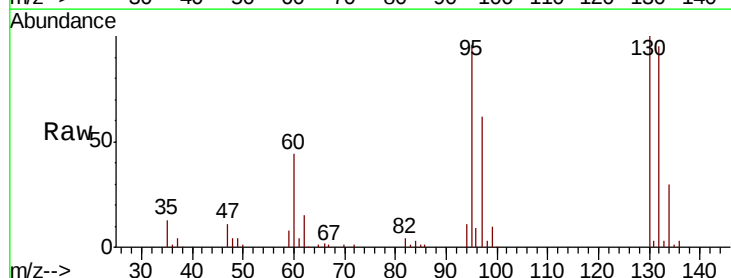
RT: 9.09 min Scan# 1179

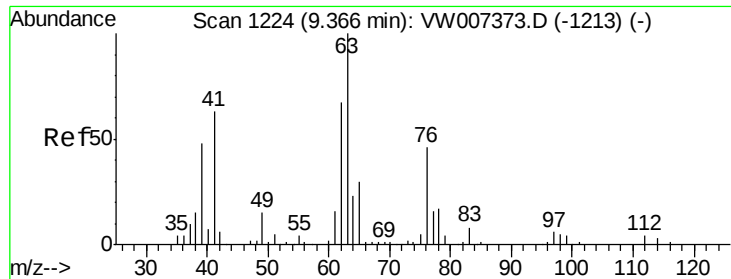
Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Tgt Ion:	130	Resp:	54459
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	193.2





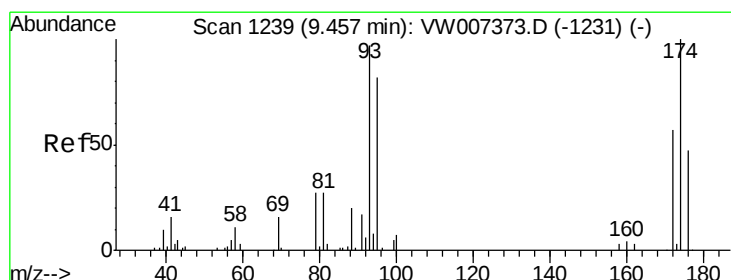
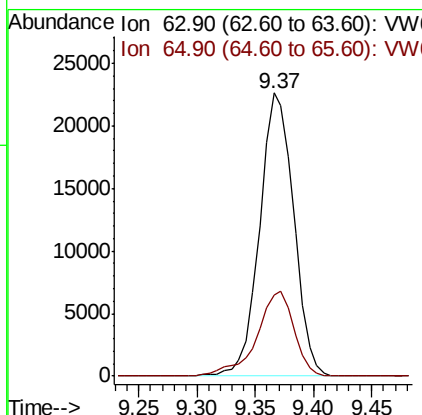
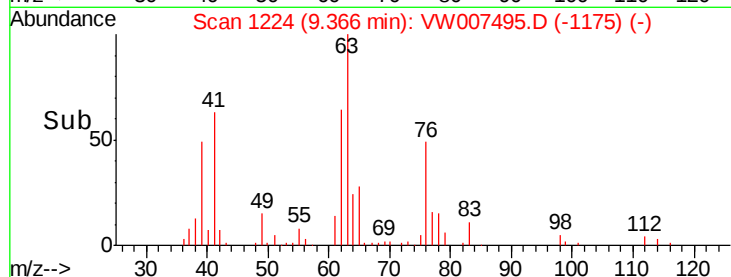
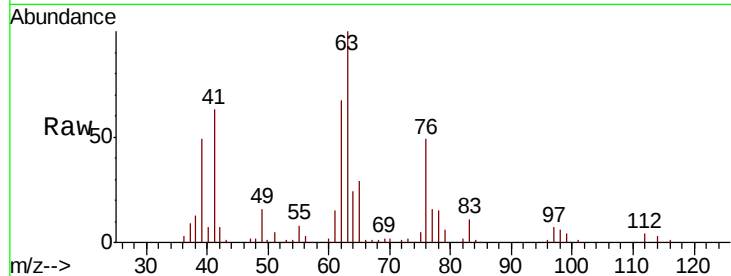
#45
 1,2-Dichloropropane
 Concen: 54.259 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 45694
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.4 36.6

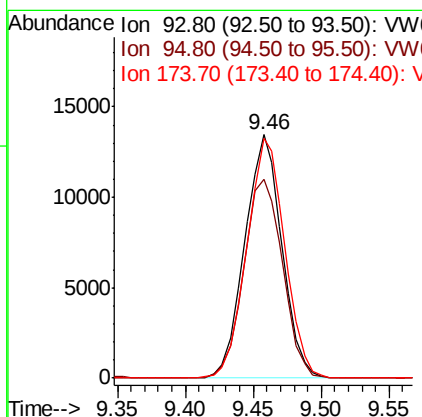
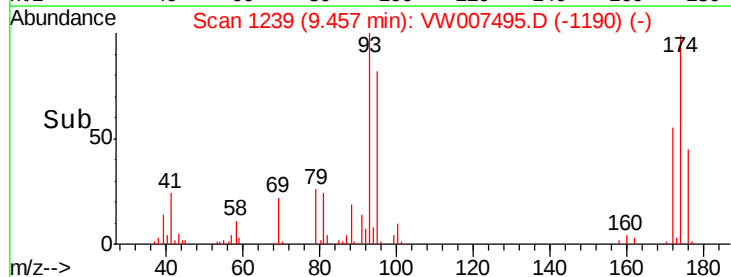
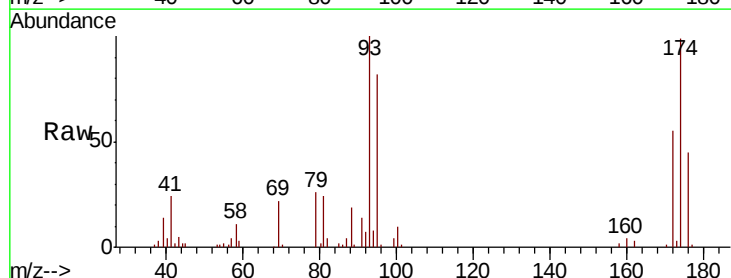
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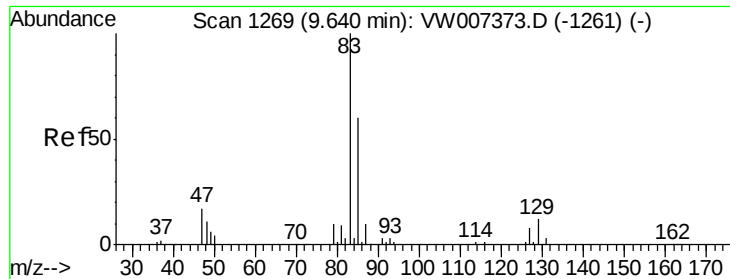
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#46
 Dibromomethane
 Concen: 53.653 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 93 Resp: 25659
 Ion Ratio Lower Upper
 93 100
 95 85.6 68.0 102.0
 174 100.9 83.2 124.8





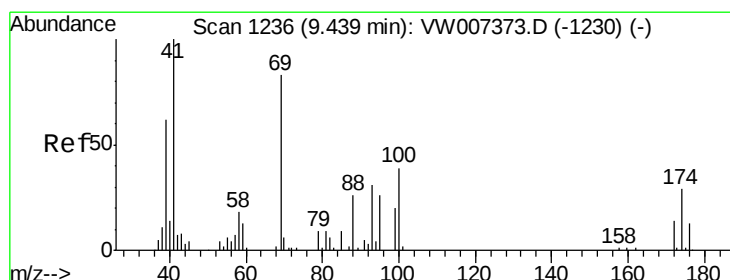
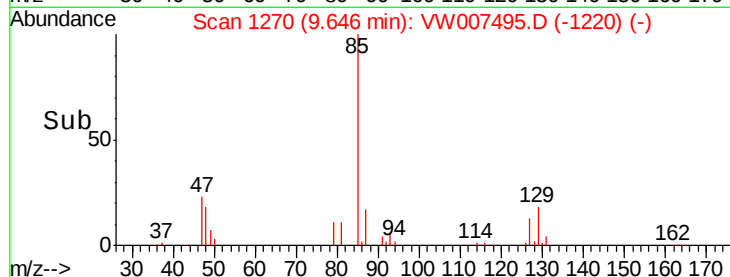
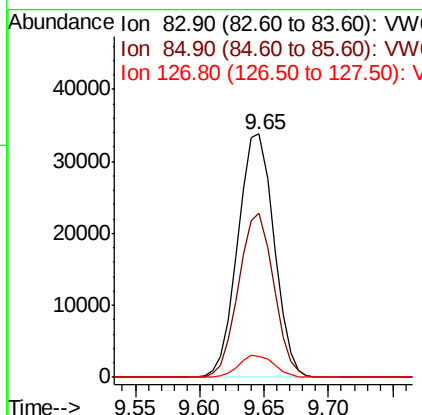
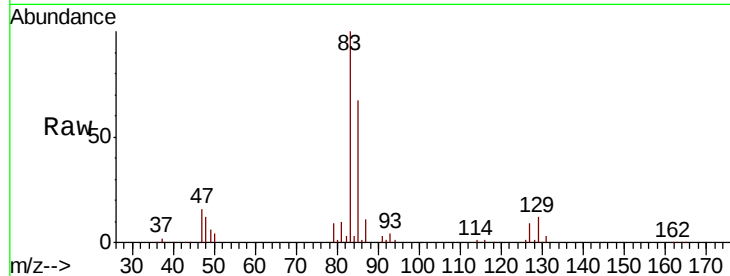
#47
Bromodichloromethane
Concen: 52.569 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.2	47.6	71.4
127	8.7	6.7	10.1

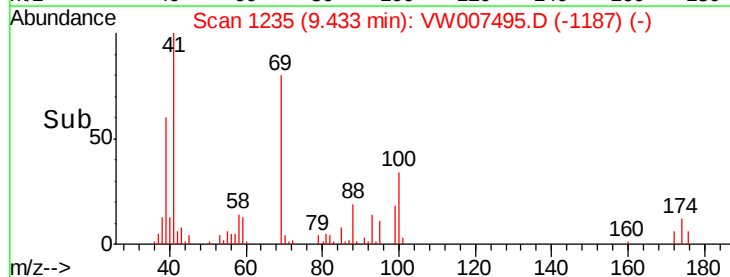
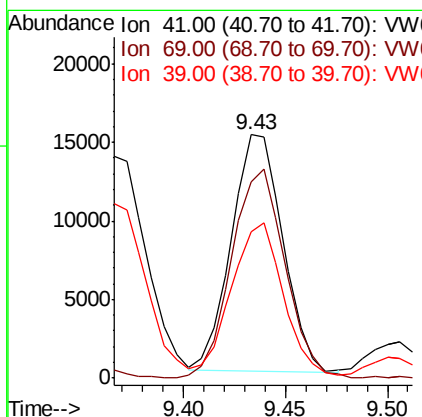
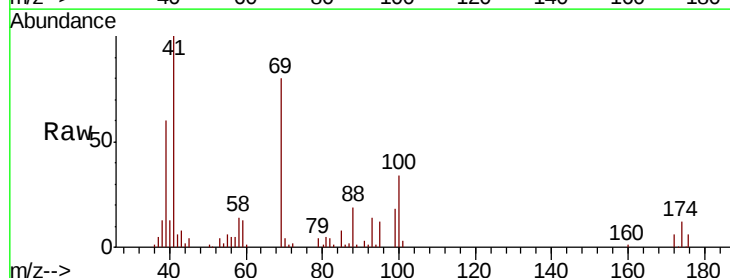
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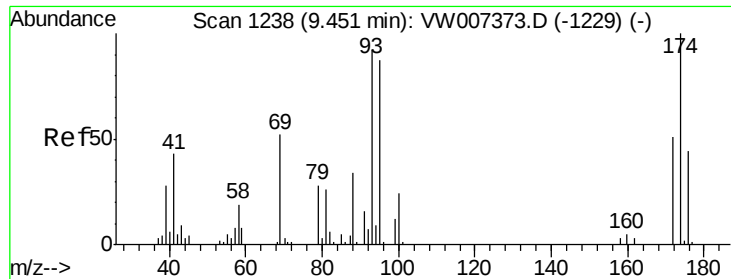
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#48
Methyl methacrylate
Concen: 53.487 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.8	69.8	104.8
39	67.1	50.9	76.3





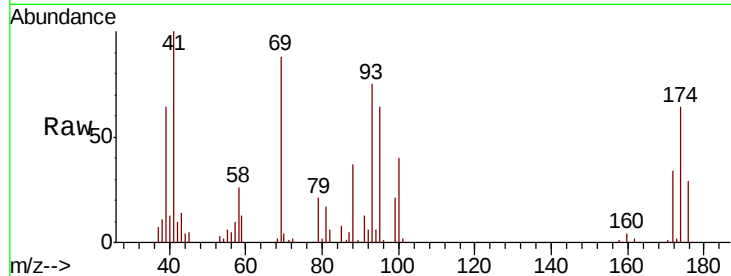
#49
1,4-Dioxane
Concen: 1113.052 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	25.0	37.4
58	68.1	51.4	77.2

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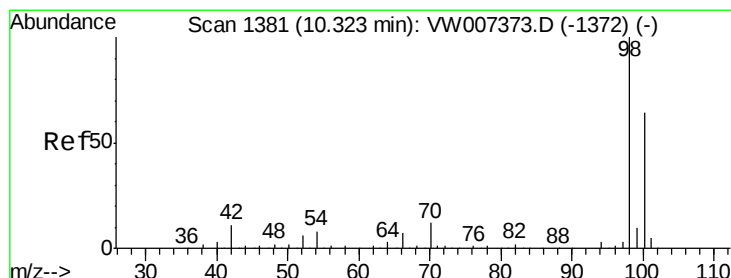
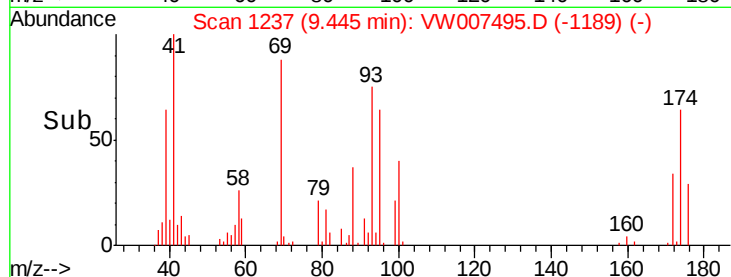
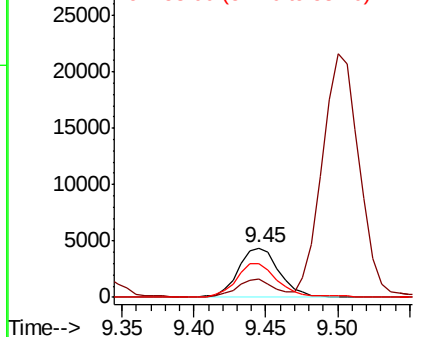


Abundance

Ion 88.00 (87.70 to 88.70): VW

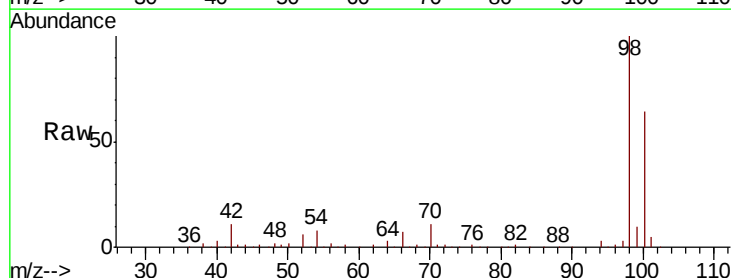
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 50.050 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

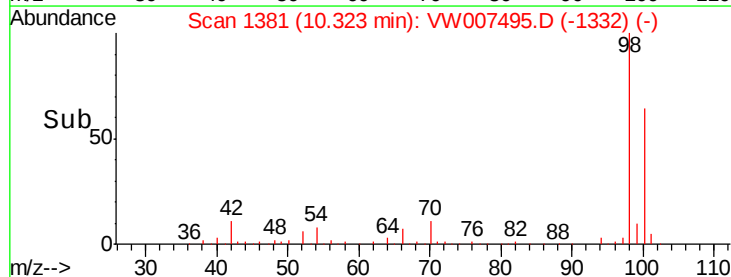
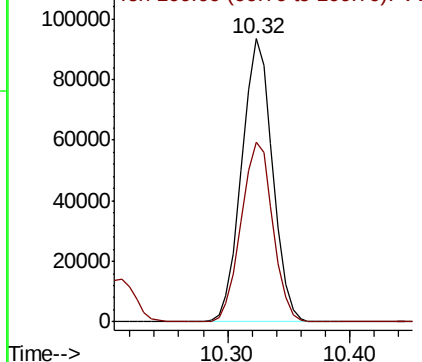
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.8	77.8

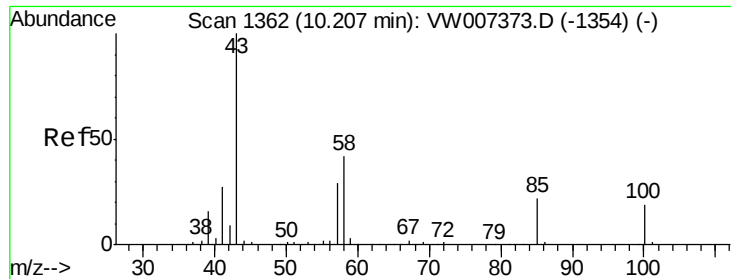


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 291.843 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 132850

Ion Ratio Lower Upper

43 100

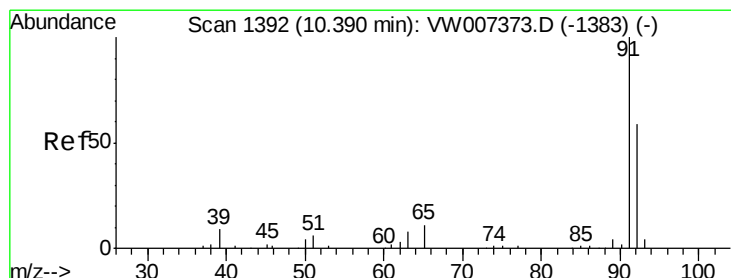
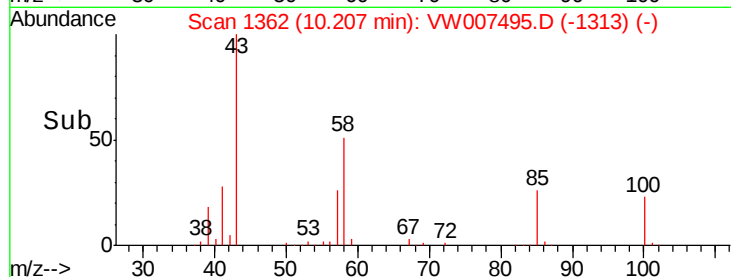
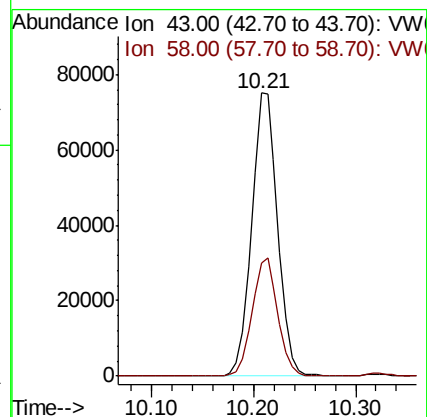
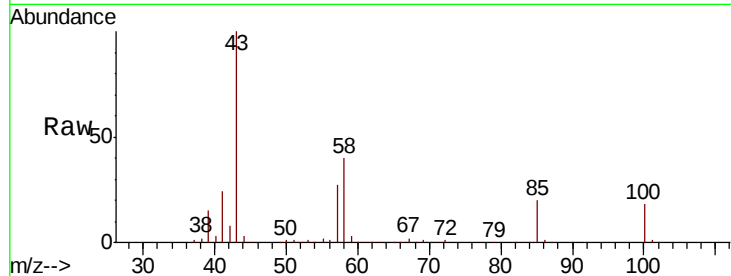
58 41.1 33.1 49.7

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#52

Toluene

Concen: 53.536 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007495.D

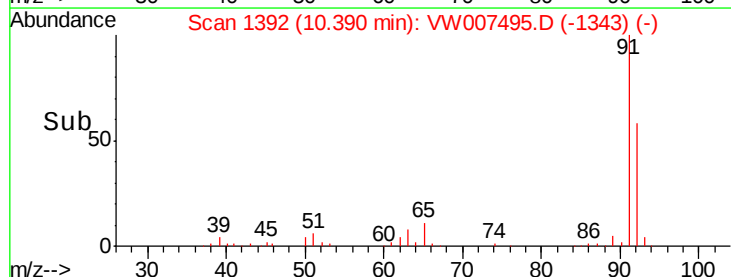
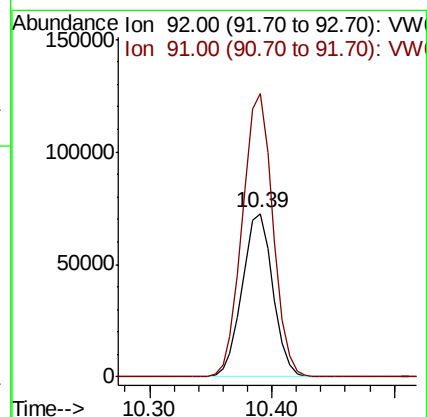
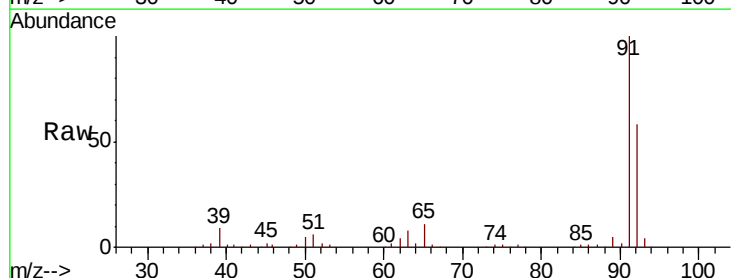
Acq: 13 Dec 2018 18:38

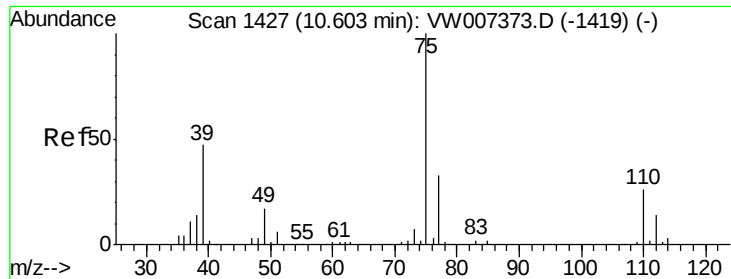
Tgt Ion: 92 Resp: 126080

Ion Ratio Lower Upper

92 100

91 172.8 136.2 204.2





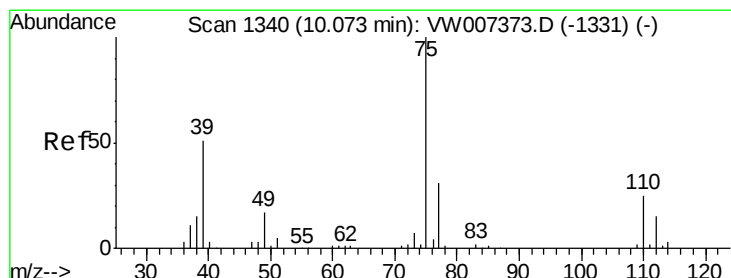
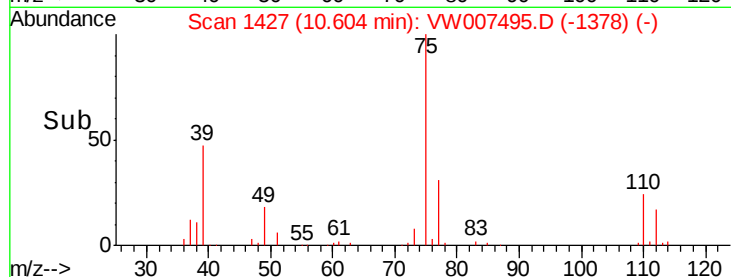
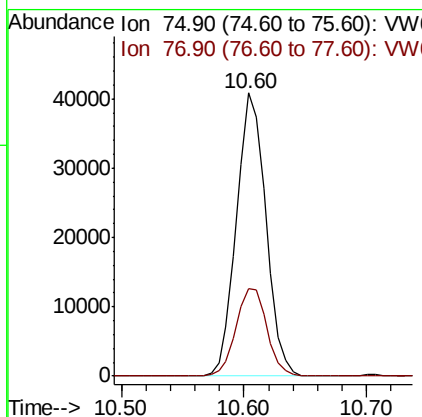
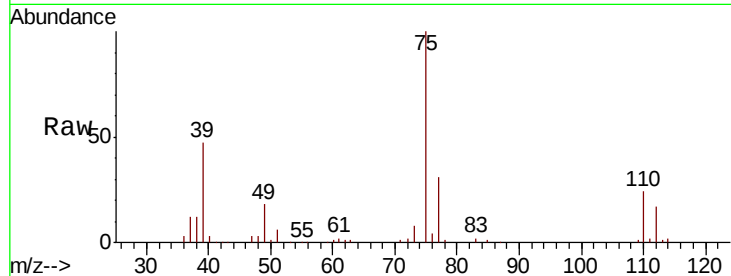
#53
 t-1,3-Dichloropropene
 Concen: 56.044 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 68252
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.2 39.4

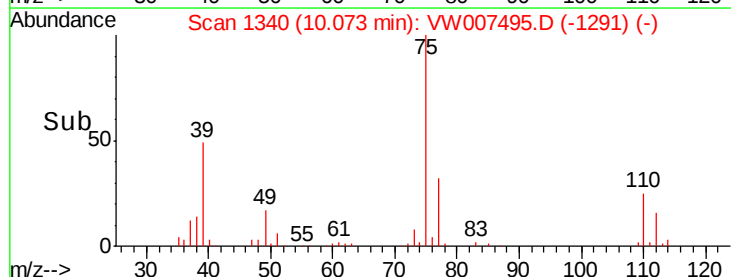
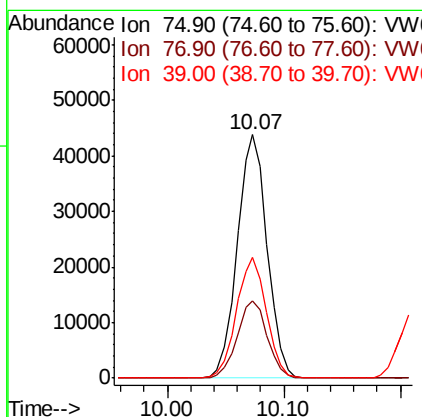
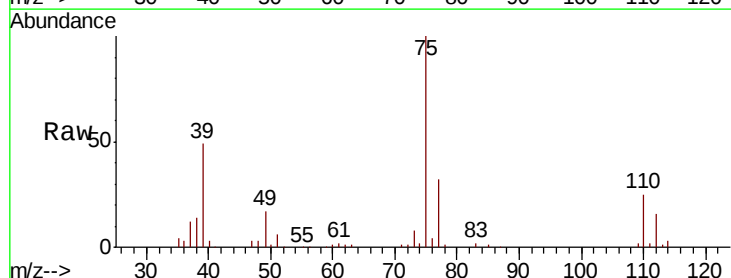
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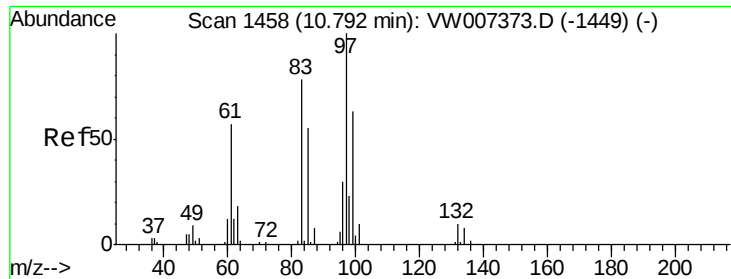
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#54
 cis-1,3-Dichloropropene
 Concen: 55.322 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 75 Resp: 77884
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2
 39 49.5 40.9 61.3





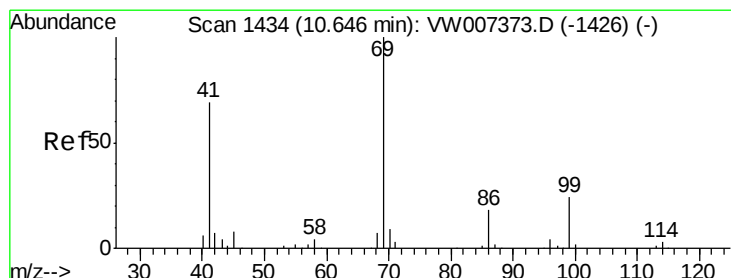
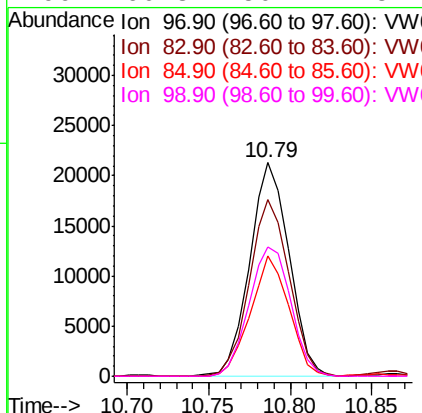
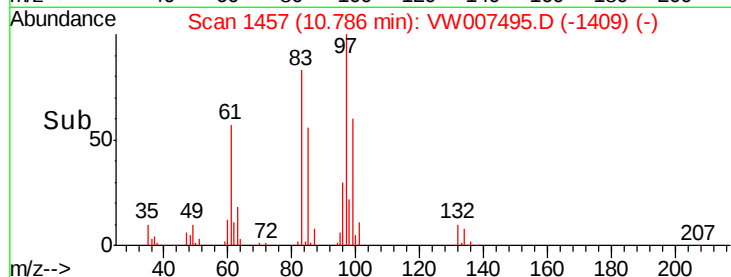
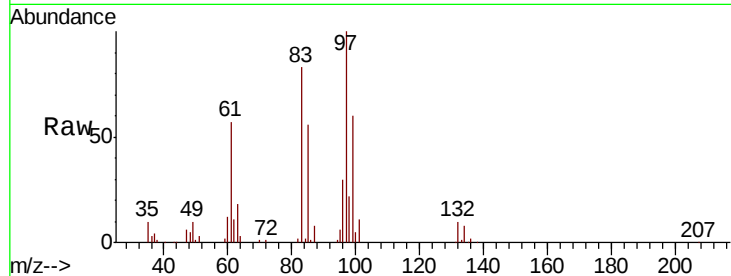
#55
 1,1,2-Trichloroethane
 Concen: 55.157 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		35901		
83	83.0	62.1	93.1		
85	56.1	44.2	66.4		
99	60.3	50.2	75.4		

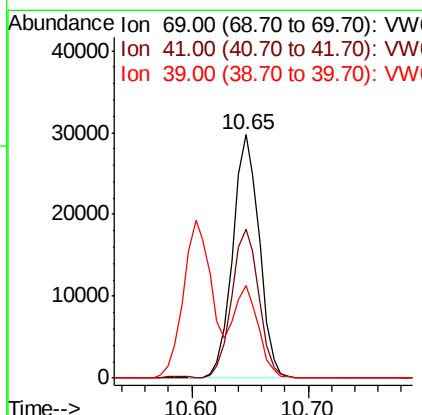
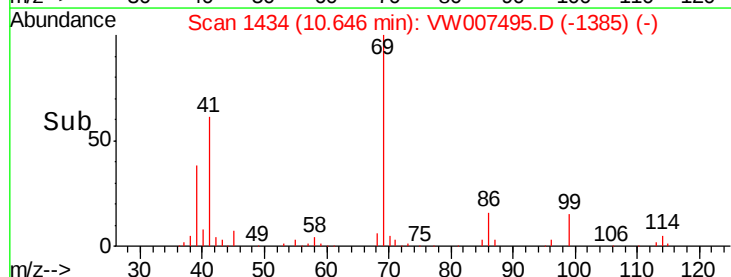
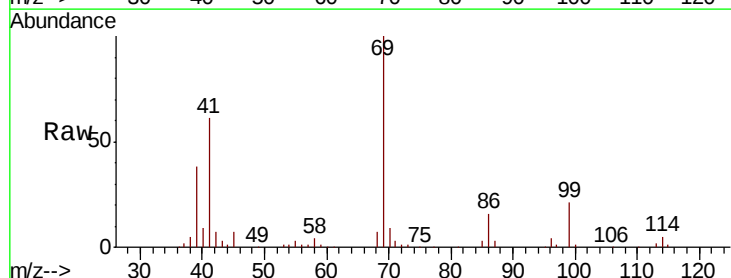
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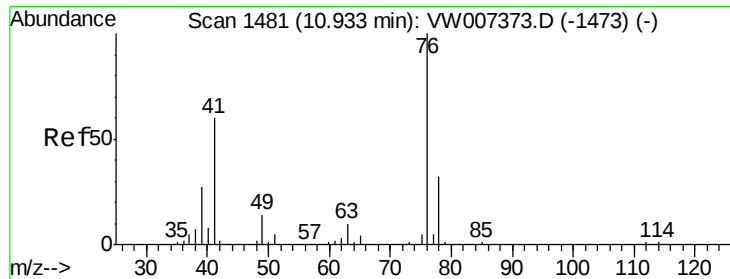
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 12/14/2018 11:24:43 AM



#56
 Ethyl methacrylate
 Concen: 60.445 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		47288		
41	63.0	51.0	76.6		
39	35.7	30.8	46.2		





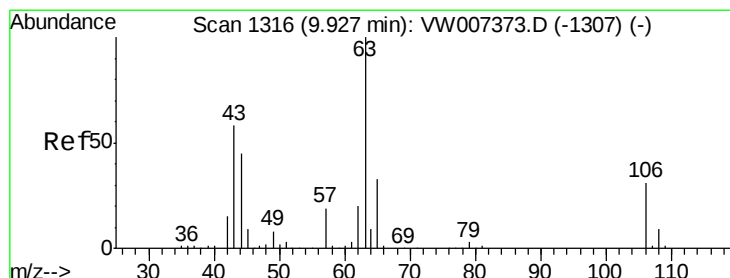
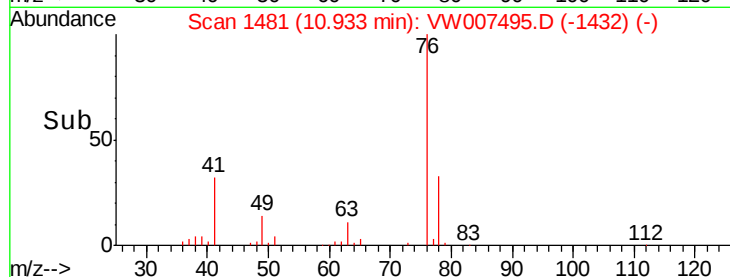
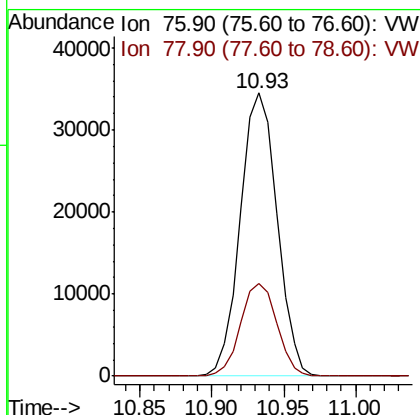
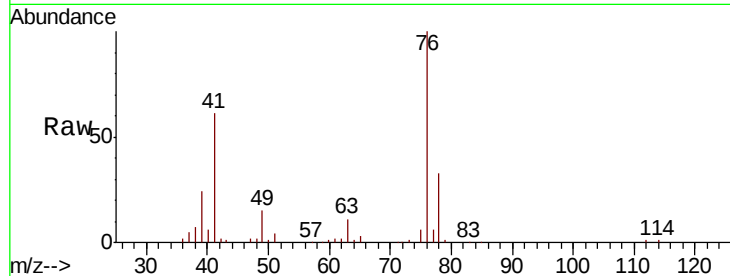
#57
 1,3-Dichloropropane
 Concen: 57.351 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 61270
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4

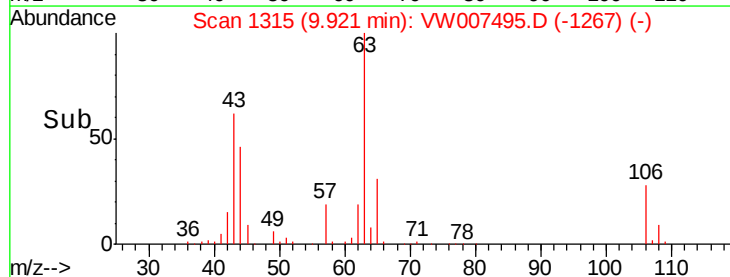
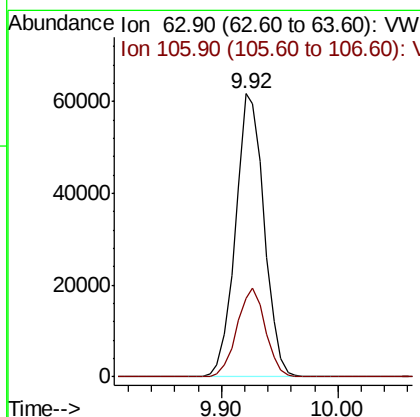
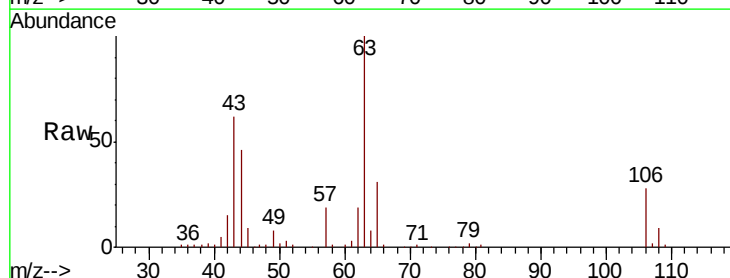
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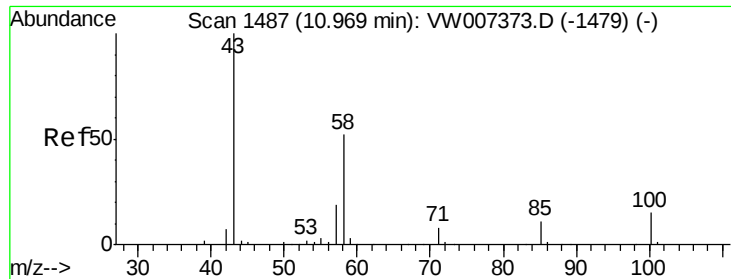
MMDadoda
 12/14/2018 11:24:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 292.131 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 63 Resp: 105393
 Ion Ratio Lower Upper
 63 100
 106 31.2 25.0 37.6





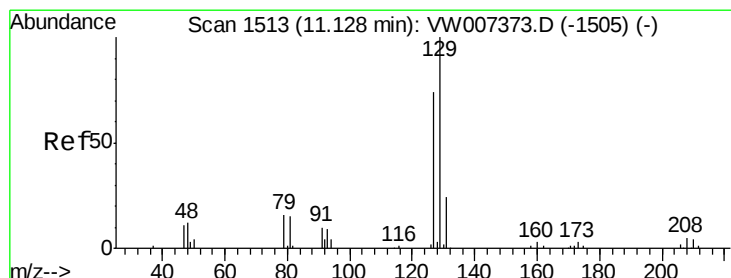
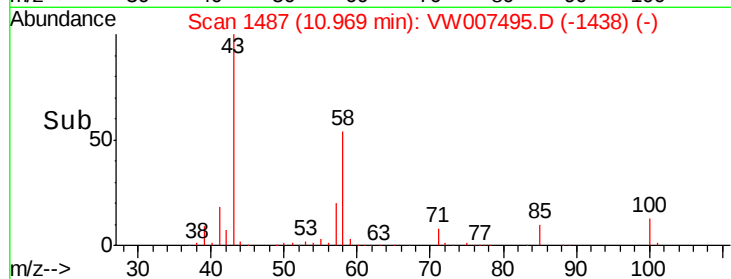
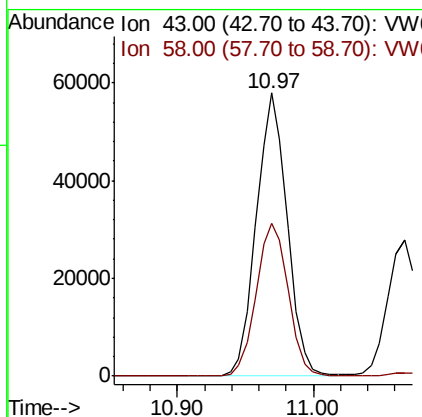
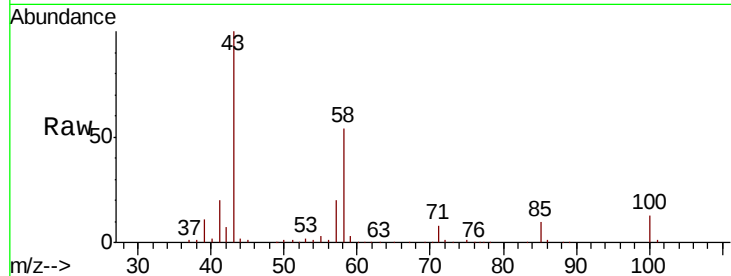
#59
2-Hexanone
Concen: 304.806 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 92519
Ion Ratio Lower Upper
43 100
58 55.6 27.1 81.3

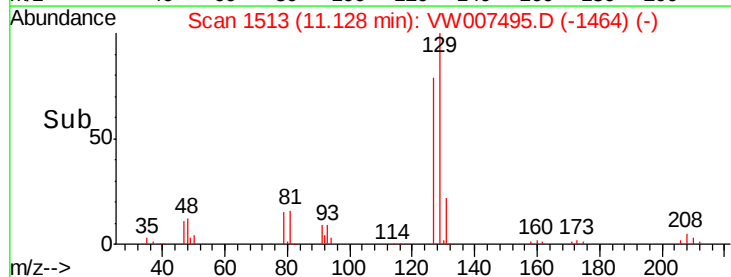
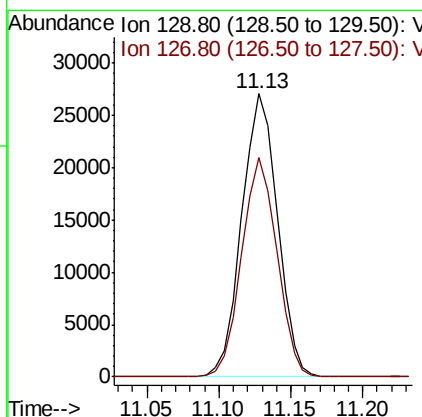
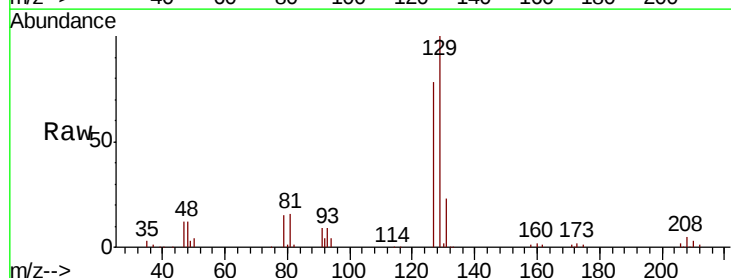
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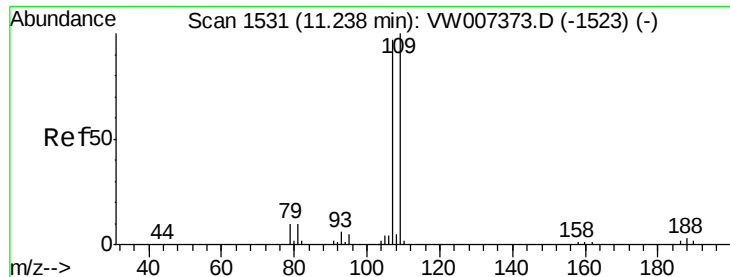
MMDadoda
12/14/2018 11:24:43 AM



#60
Dibromochloromethane
Concen: 56.657 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 129 Resp: 46539
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





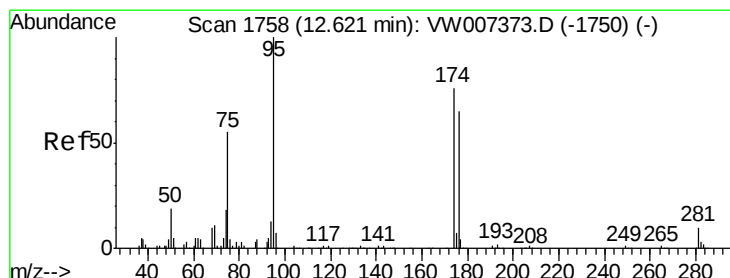
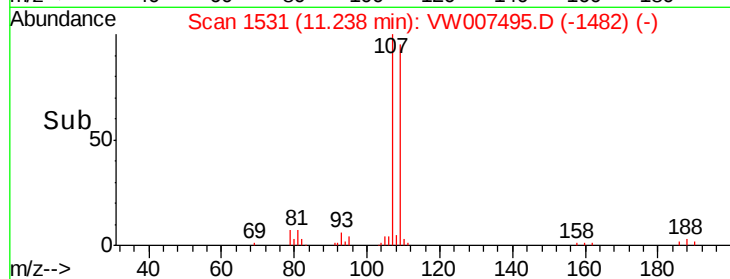
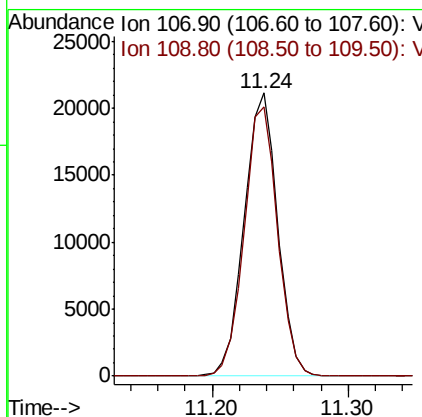
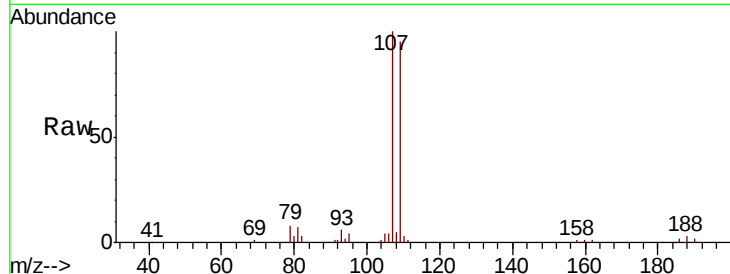
#61
 1,2-Dibromoethane
 Concen: 56.506 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	79.1	118.7

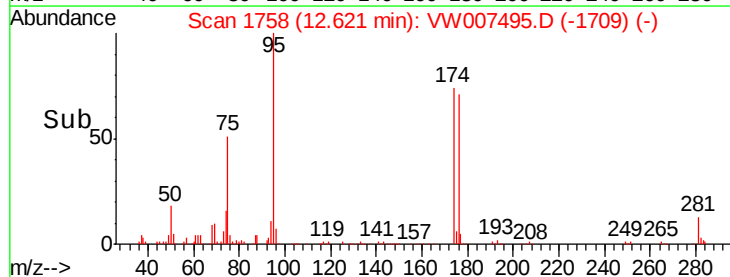
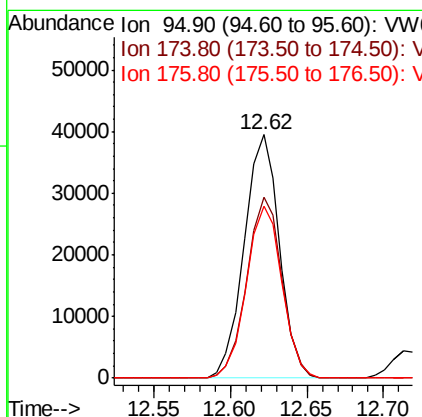
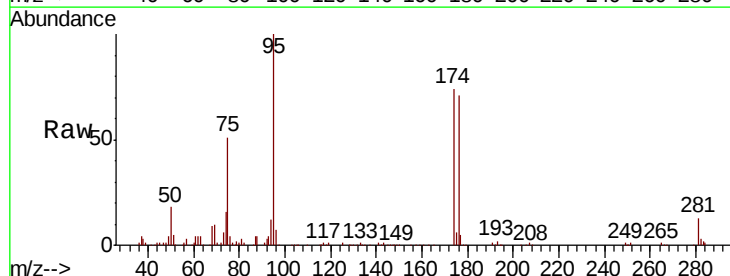
Manual Integrations
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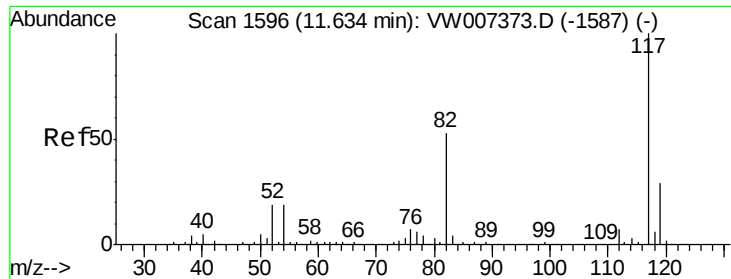
MMDadoda
 12/14/2018 11:24:43 AM



#62
 4-Bromofluorobenzene
 Concen: 52.718 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	147.2
176	71.3	0.0	138.8





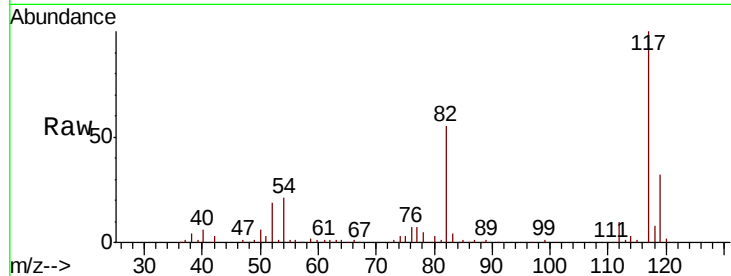
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	42.3	63.5
119	32.5	23.0	34.6

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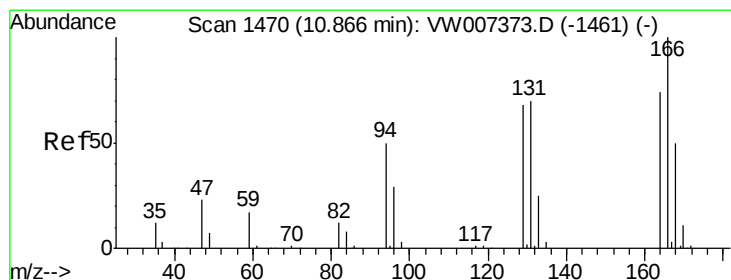
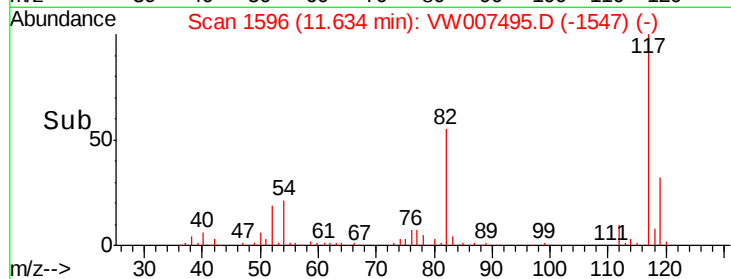
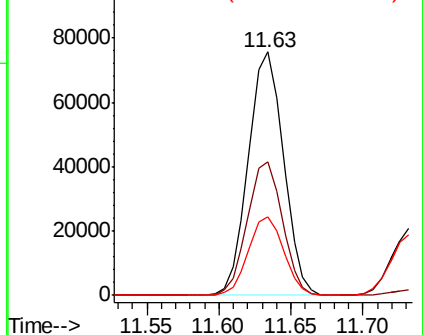


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 49.338 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	107.9	161.9
129	104.7	73.4	110.2
131	98.6	75.8	113.6

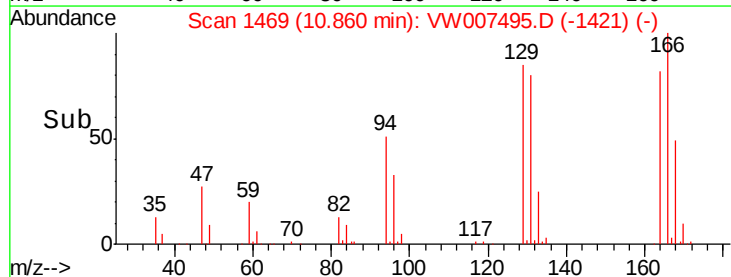
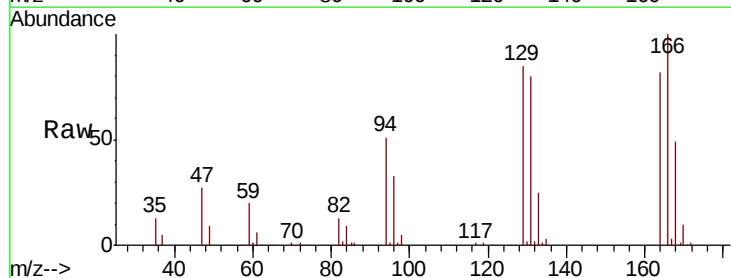
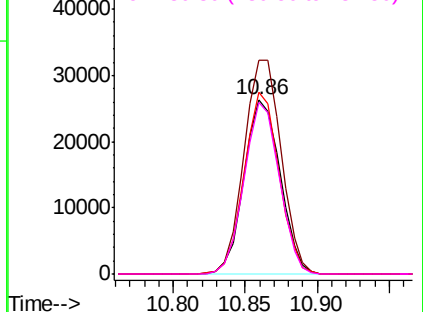
Abundance

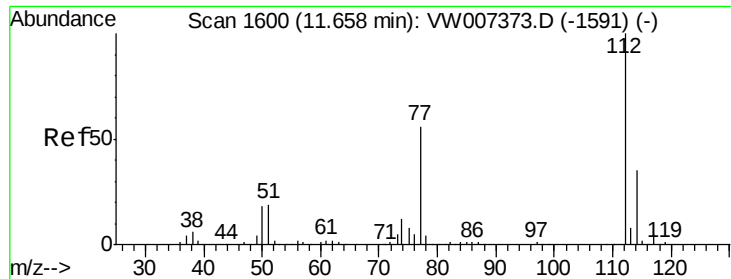
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





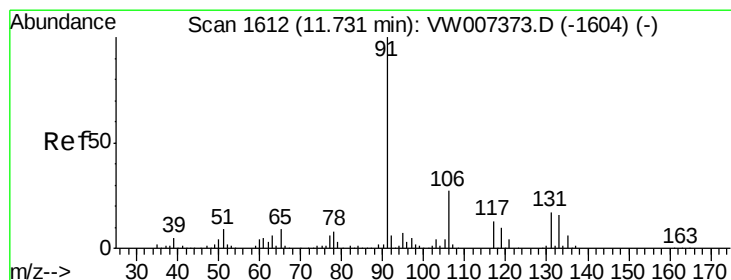
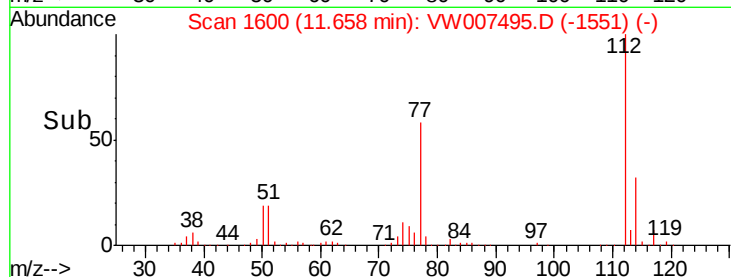
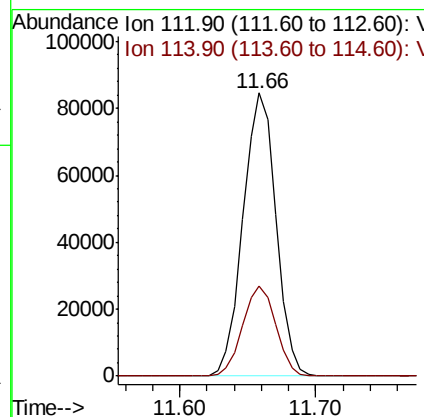
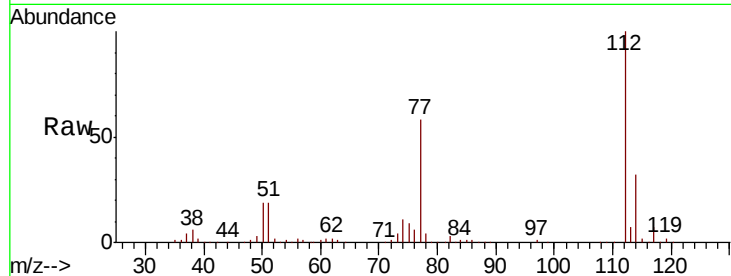
#65
Chlorobenzene
Concen: 53.485 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 143018
Ion Ratio Lower Upper
112 100
114 31.7 27.8 41.8

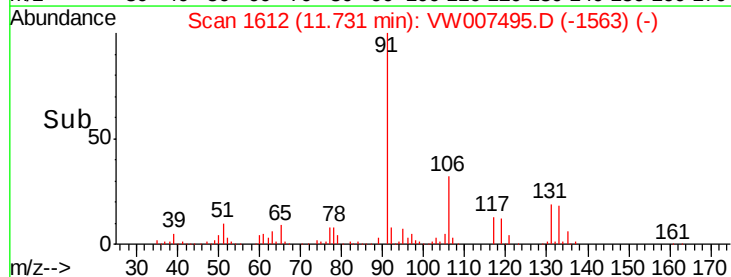
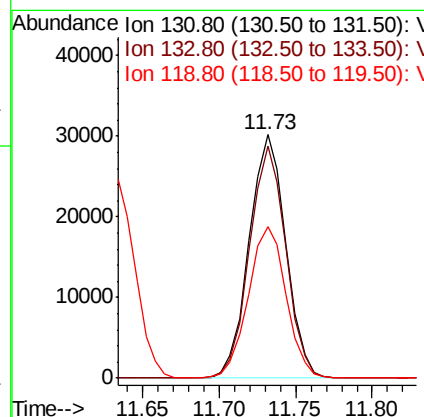
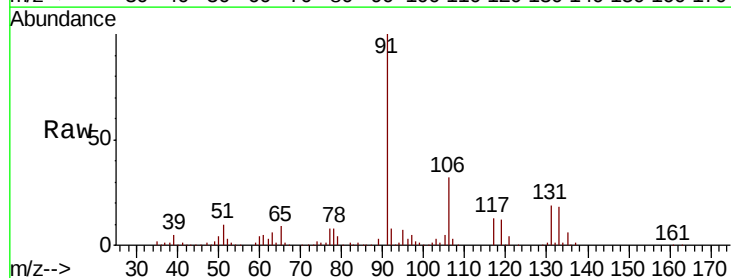
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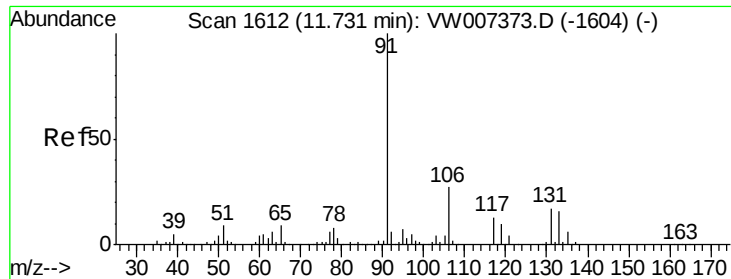
MMDadoda
12/14/2018 11:24:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.469 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion:131 Resp: 50355
Ion Ratio Lower Upper
131 100
133 94.4 47.1 141.4
119 64.1 31.3 93.9





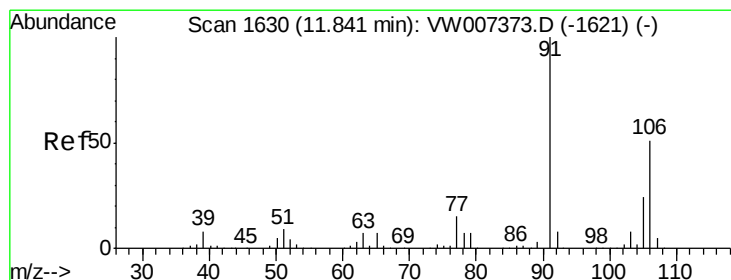
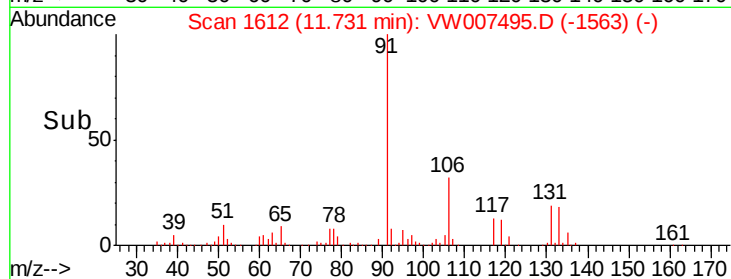
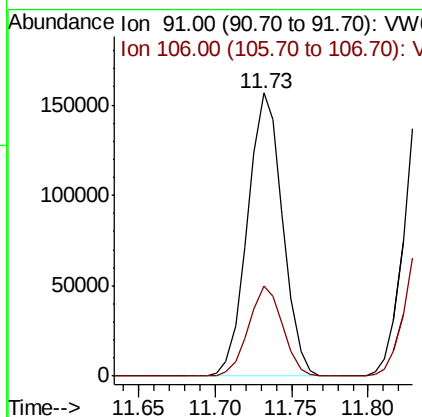
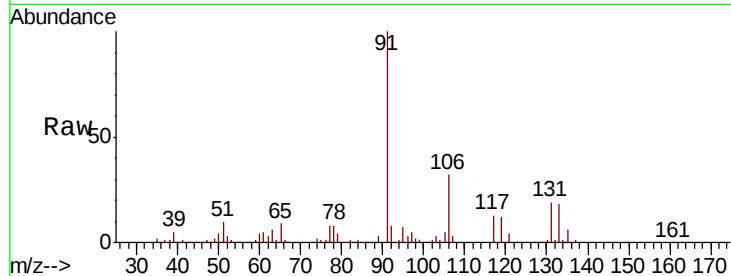
#67
Ethyl Benzene
Concen: 54.269 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 249491
Ion Ratio Lower Upper
91 100
106 32.0 21.8 32.8

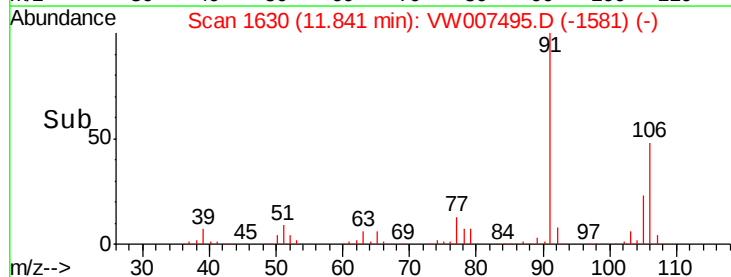
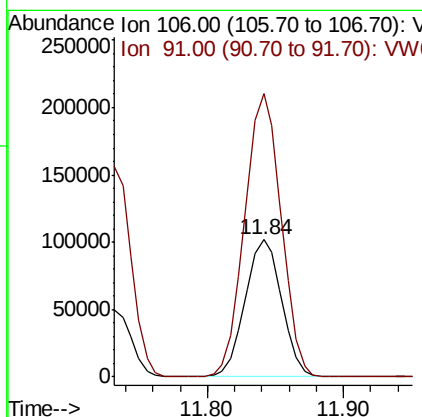
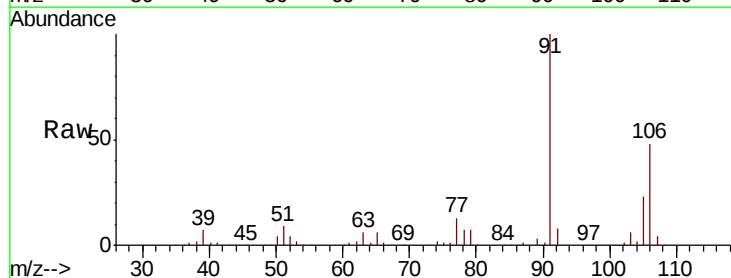
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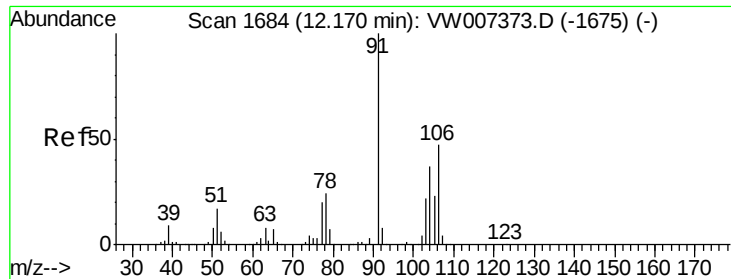
MMDadoda
12/14/2018 11:24:43 AM



#68
m/p-Xylenes
Concen: 107.282 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion:106 Resp: 191737
Ion Ratio Lower Upper
106 100
91 206.4 165.3 247.9





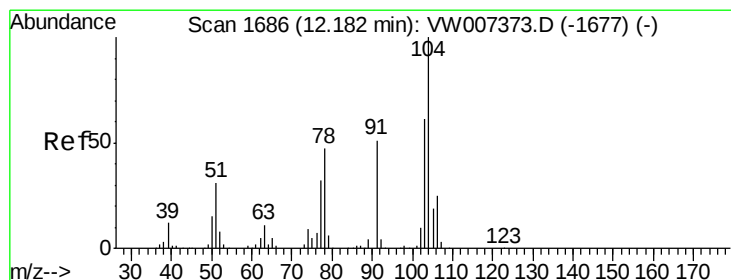
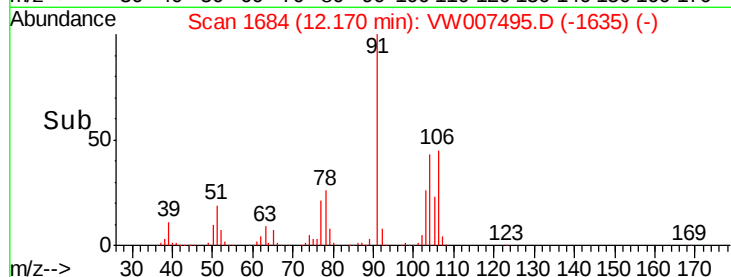
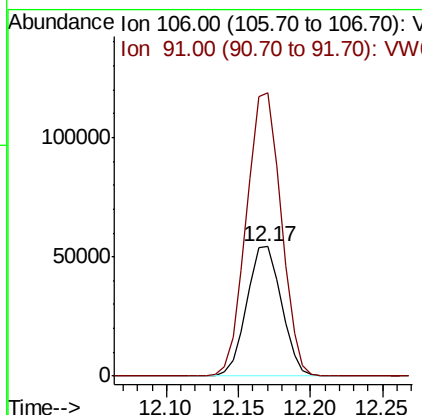
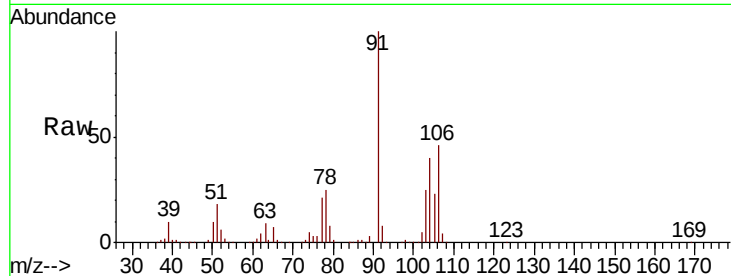
#69
o-Xylene
Concen: 54.335 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.9	106.6	319.8	

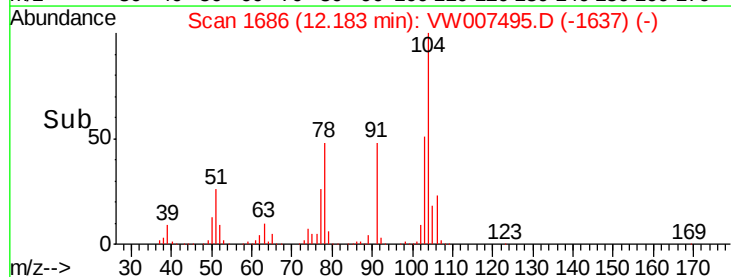
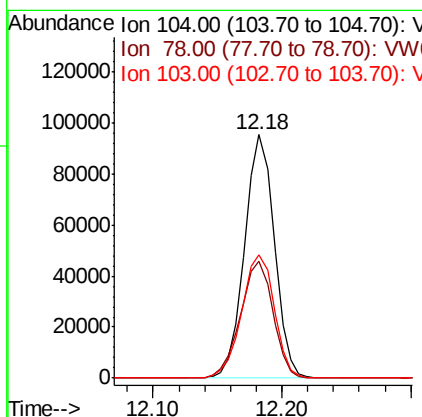
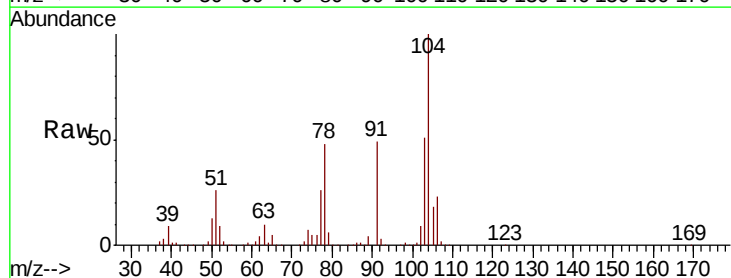
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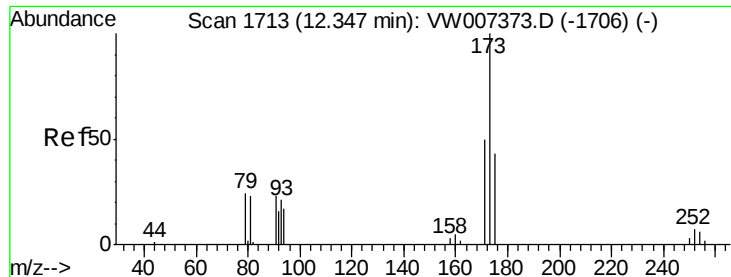
MMDadoda
12/14/2018 11:24:43 AM



#70
Styrene
Concen: 56.362 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.8	41.8	62.8	
103	55.7	46.6	69.8	





#71

Bromoform

Concen: 53.884 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 25974

Ion Ratio Lower Upper

173 100

175 49.5 23.6 70.8

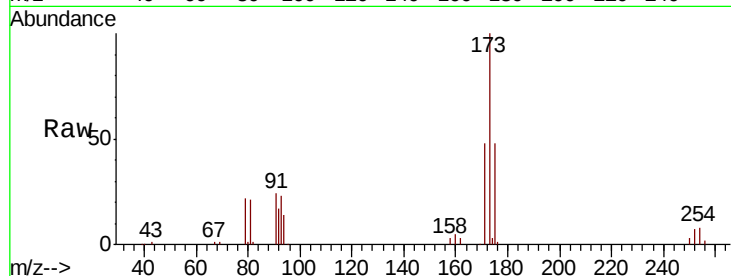
254 0.0 0.0 0.0

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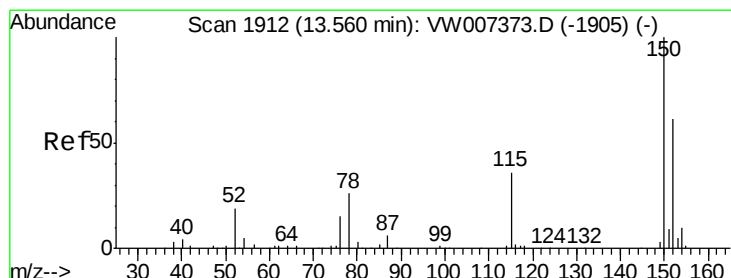
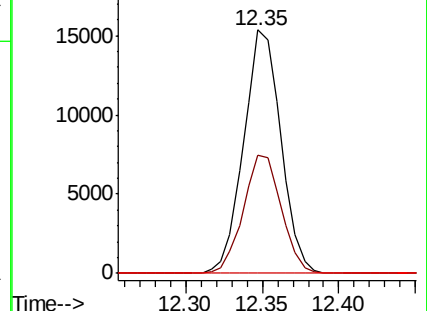
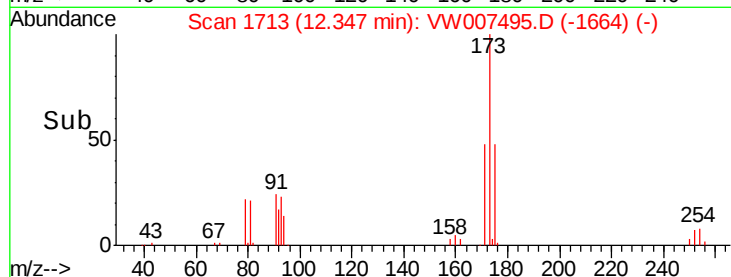
12/14/2018 11:24:43 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

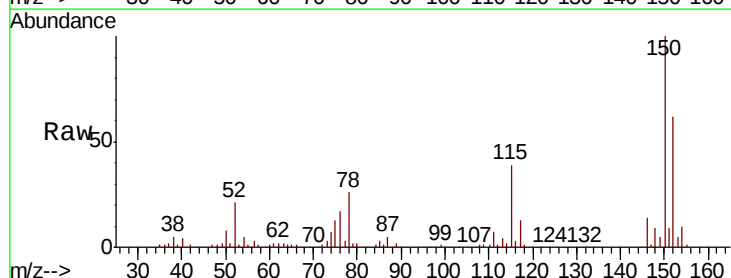
Tgt Ion:152 Resp: 63228

Ion Ratio Lower Upper

152 100

115 63.3 31.4 94.2

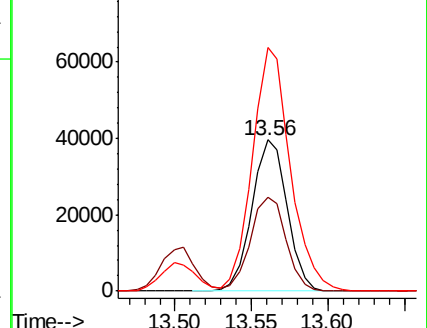
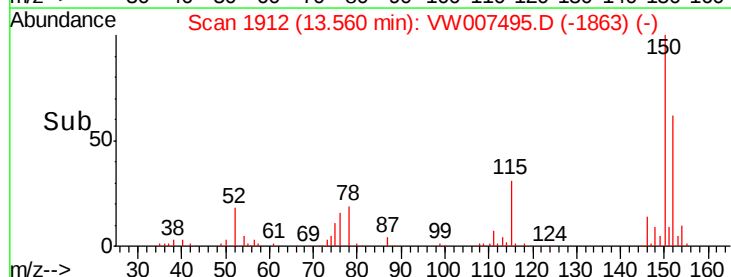
150 173.4 0.0 358.4

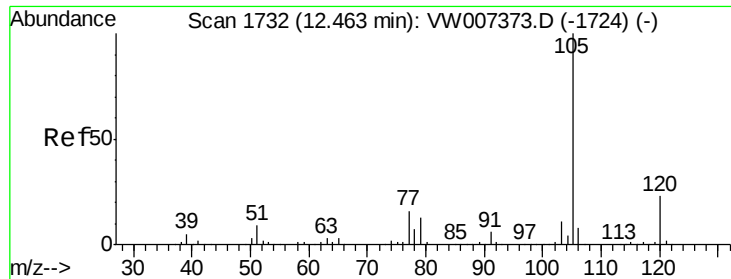


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





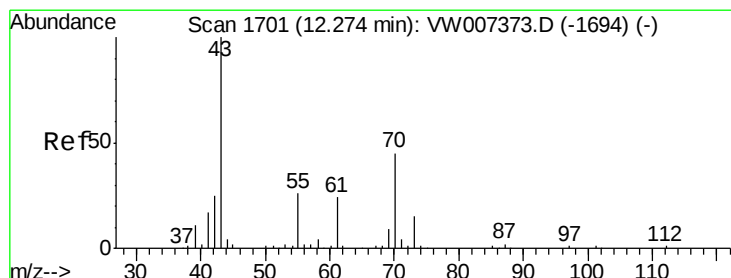
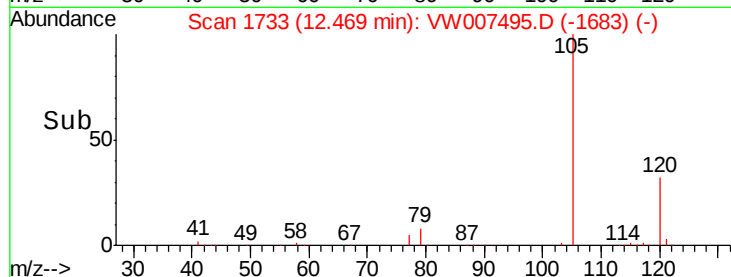
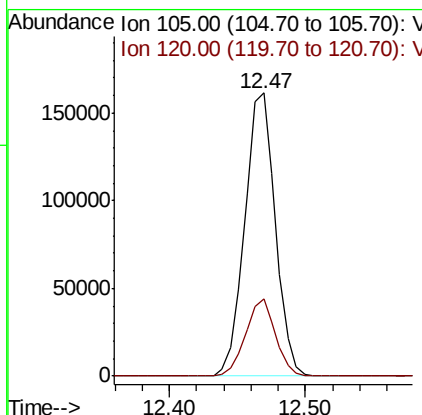
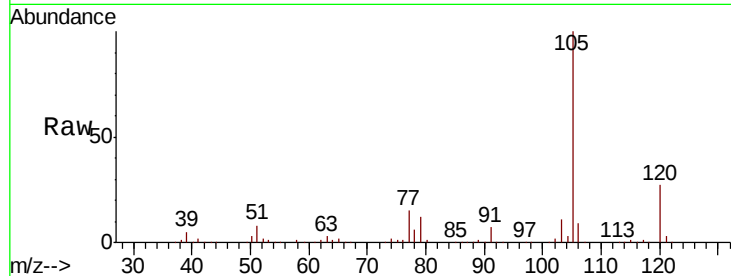
#73
Isopropylbenzene
Concen: 52.431 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 254016
Ion Ratio Lower Upper
105 100
120 26.4 12.8 38.4

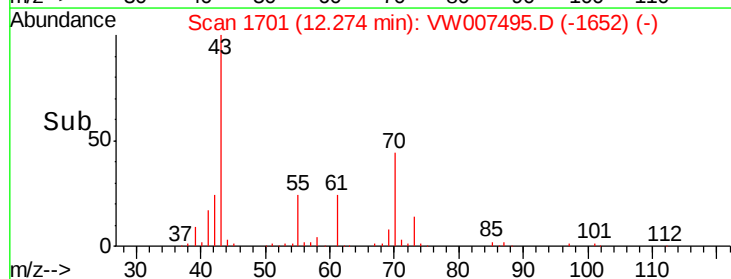
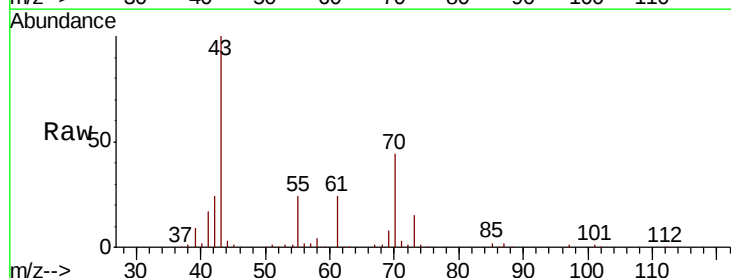
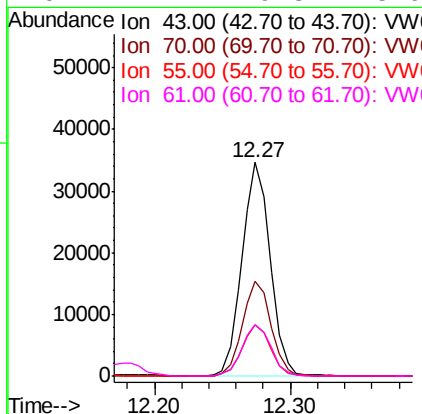
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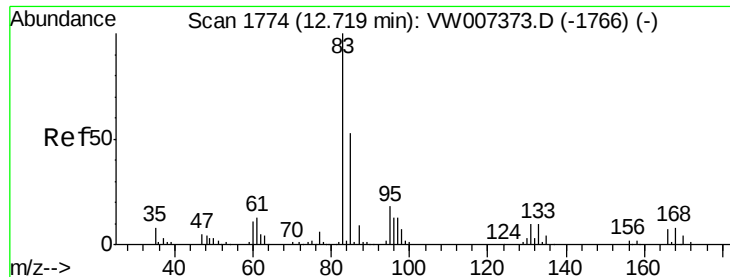
MMDadoda
12/14/2018 11:24:43 AM



#74
N-ethyl acetate
Concen: 56.926 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 43 Resp: 50123
Ion Ratio Lower Upper
43 100
70 44.6 36.5 54.7
55 24.3 20.1 30.1
61 24.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 55.251 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

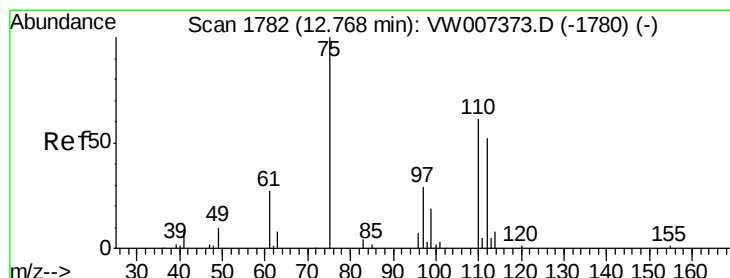
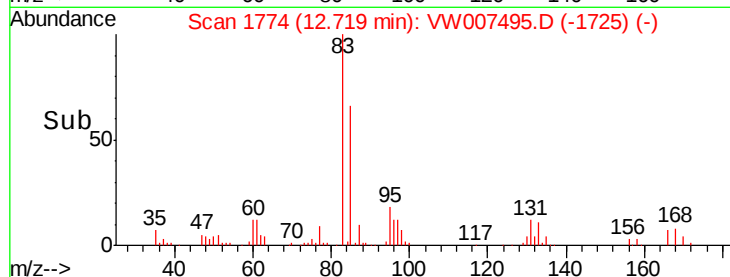
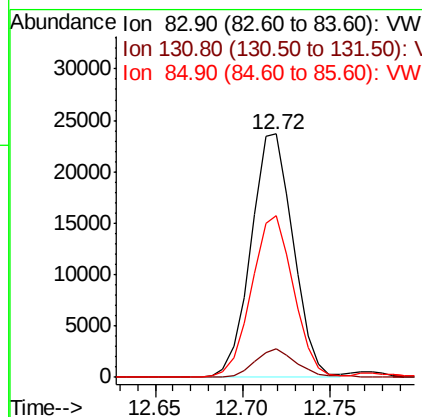
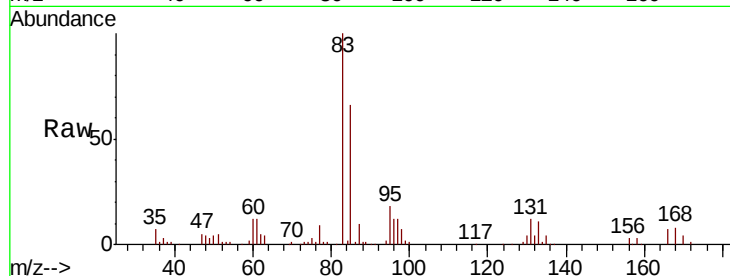
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	39646
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.9	17.8
85	66.2	30.0	90.0

Manual Integrations
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MMDadoda
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#76

1,2,3-Trichloropropane

Concen: 58.429 ug/l m

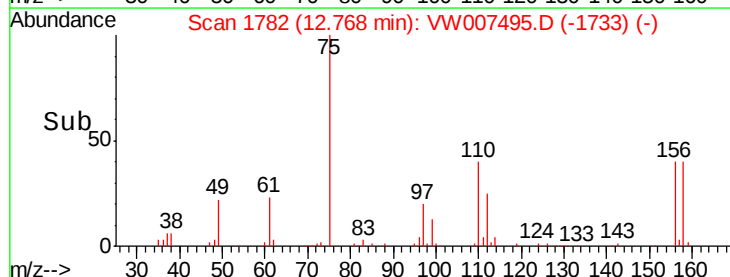
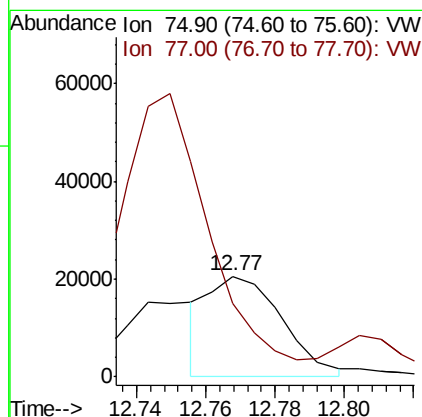
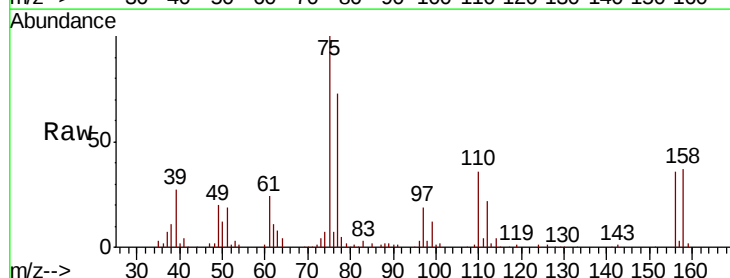
RT: 12.77 min Scan# 1782

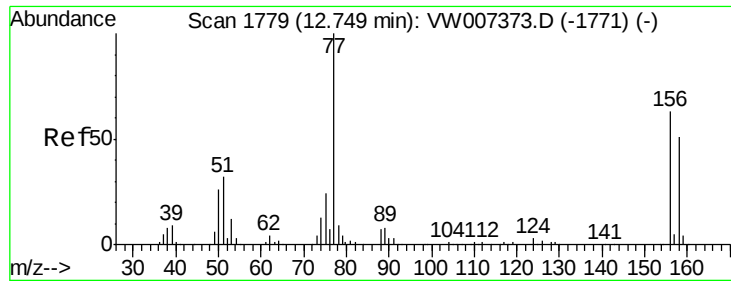
Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Tgt Ion:	75	Resp:	30461
Ion Ratio	Lower	Upper	
75	100		
77	344.7	166.9	500.8





#77

Bromobenzene

Concen: 53.379 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

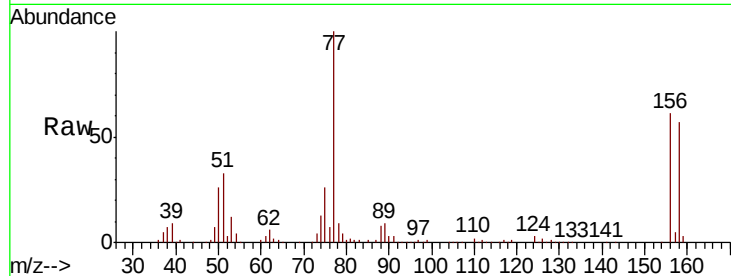
ClientSampleId :

VSTDCCC050EC

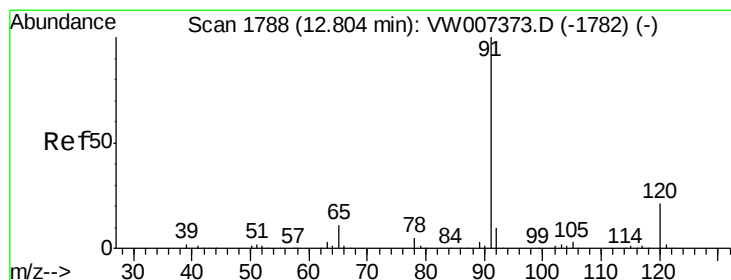
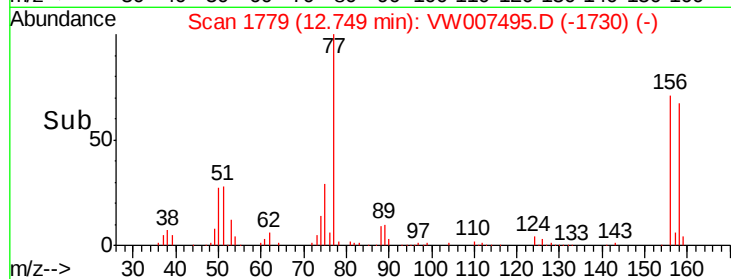
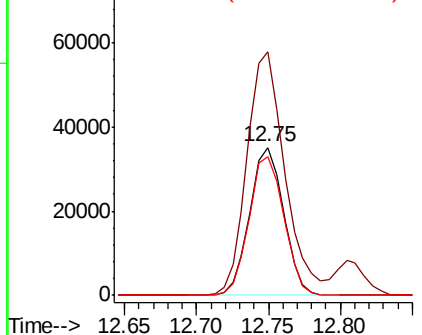
Tot Ion:	156	Resp:	57323
Ion Ratio	Lower	Upper	
156	100		
77	183.2	88.1	264.4
158	96.4	45.6	136.7

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.957 ug/l

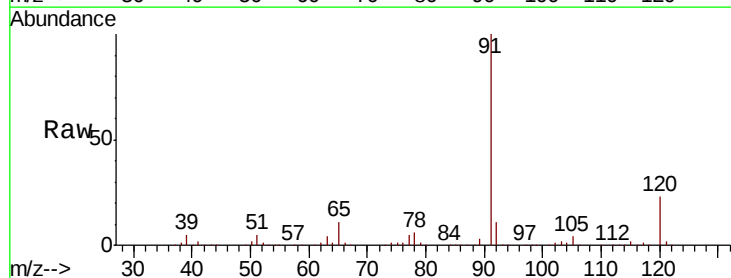
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

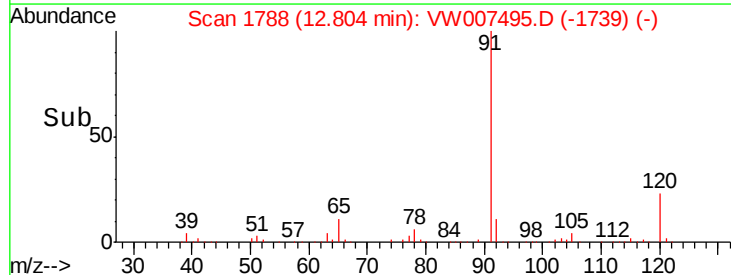
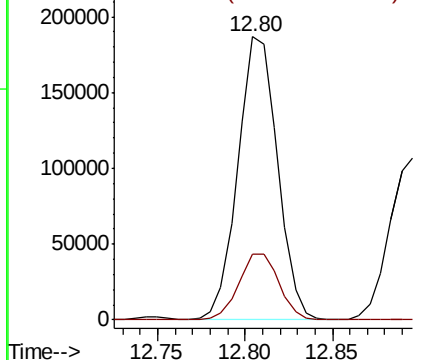
Lab File: VW007495.D

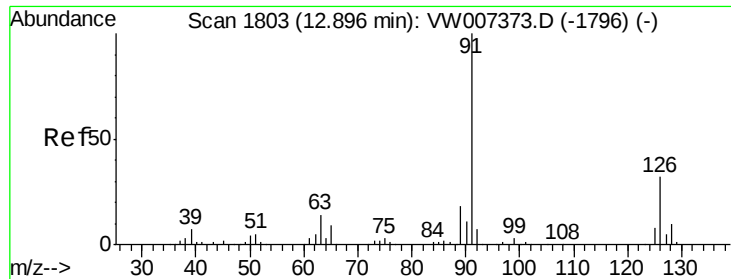
Acq: 13 Dec 2018 18:38

Tgt Ion:	91	Resp:	294193
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





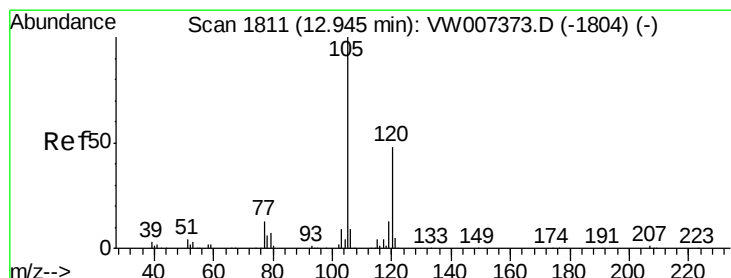
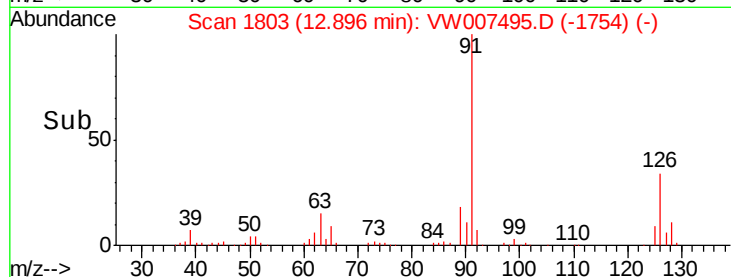
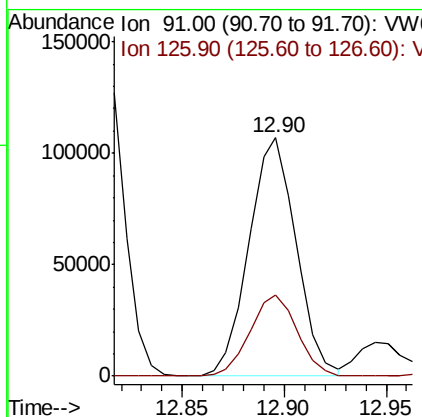
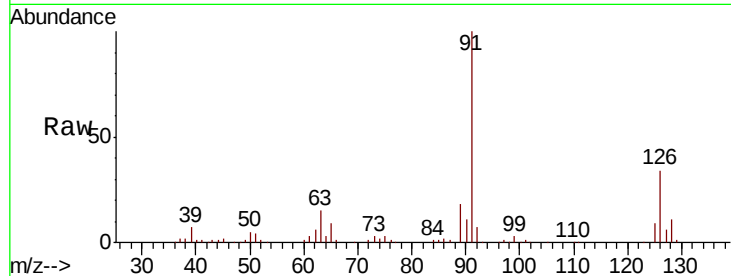
#79
 2-Chlorotoluene
 Concen: 52.177 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 172137
 Ion Ratio Lower Upper
 91 100
 126 34.1 15.9 47.6

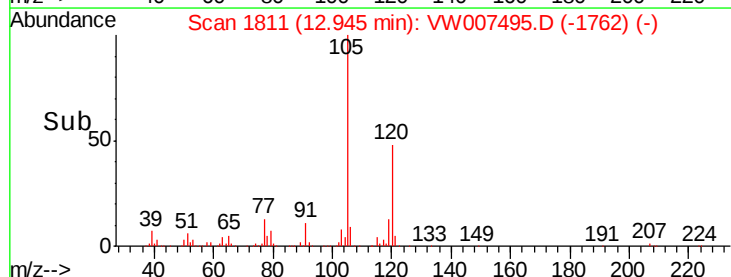
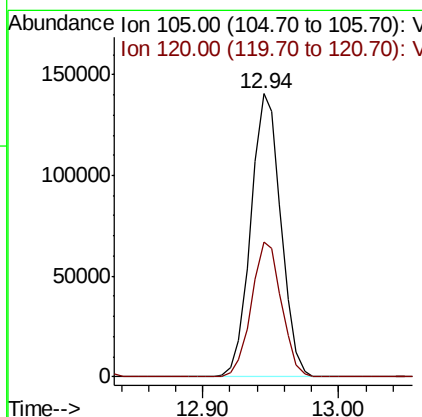
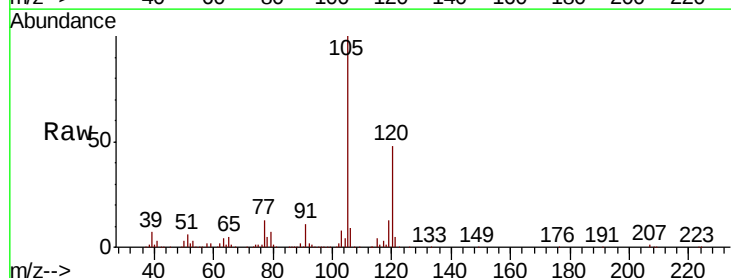
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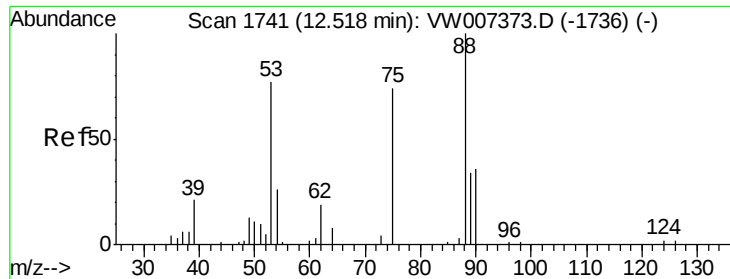
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.627 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 105 Resp: 218307
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.4





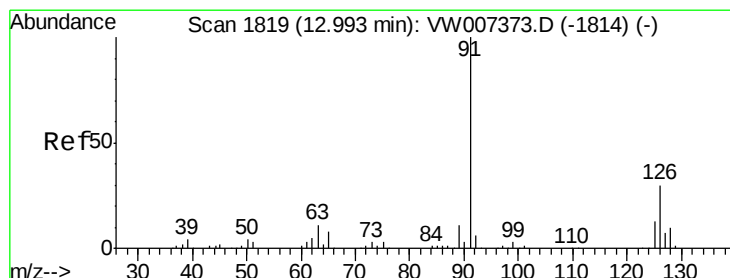
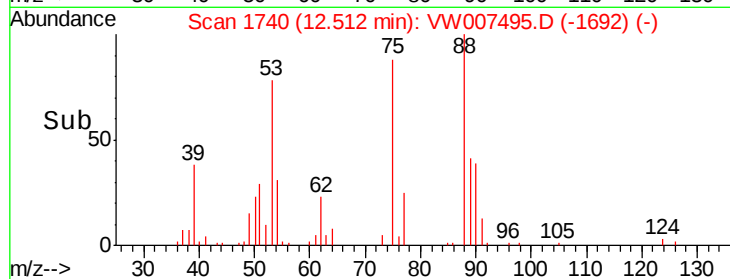
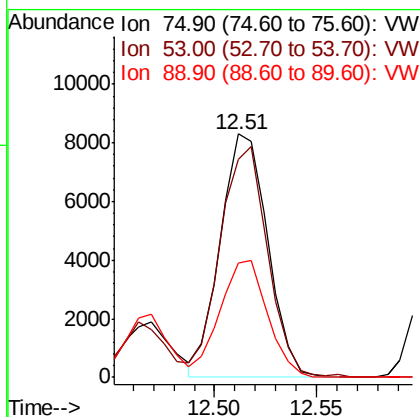
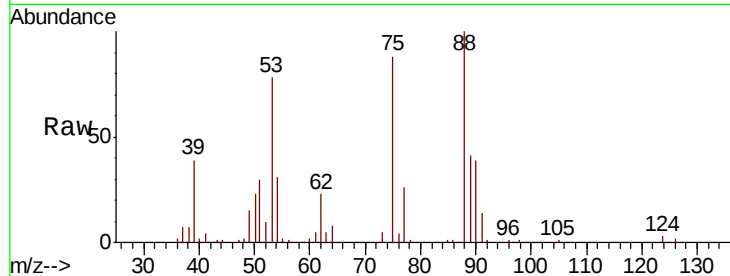
#81
trans-1,4-Dichloro-2-butene
Concen: 56.576 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	84.9	127.3
89	48.4	40.3	60.5

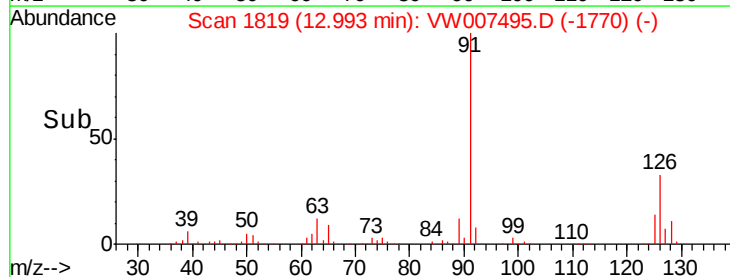
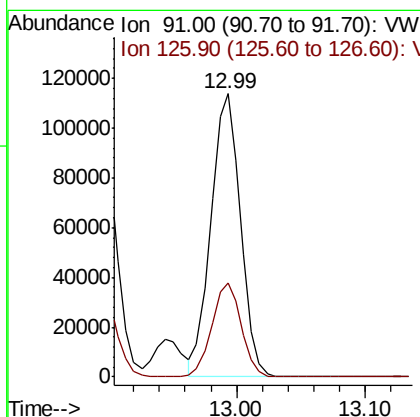
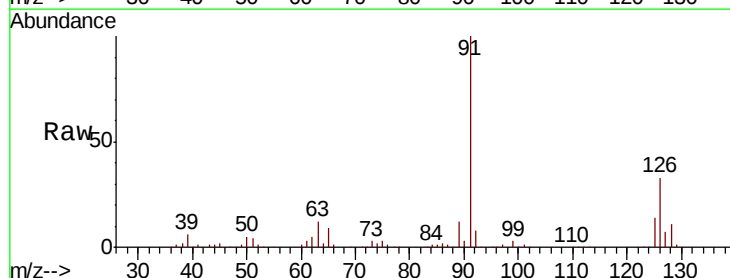
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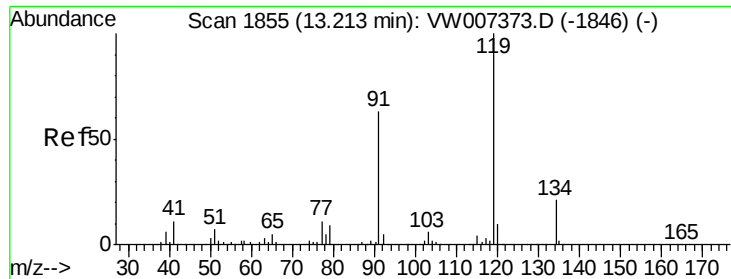
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#82
4-Chlorotoluene
Concen: 52.574 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.0	48.0





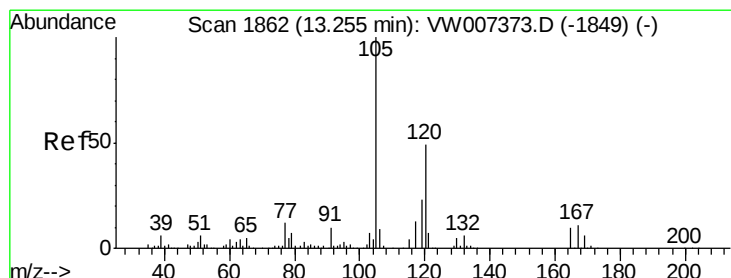
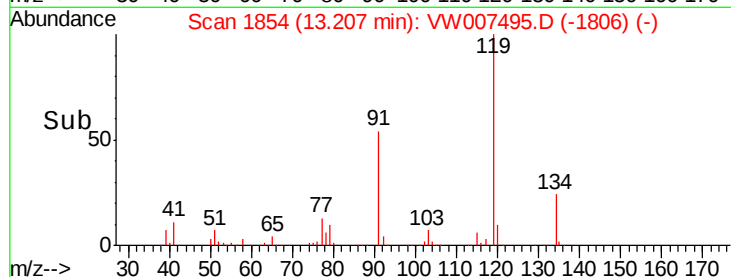
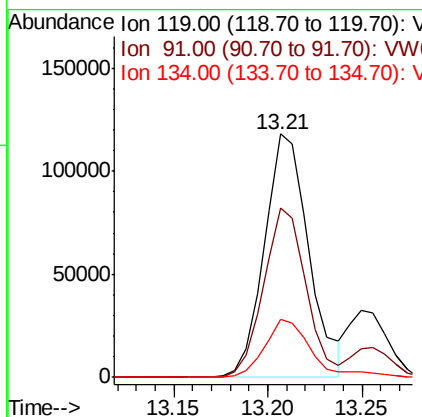
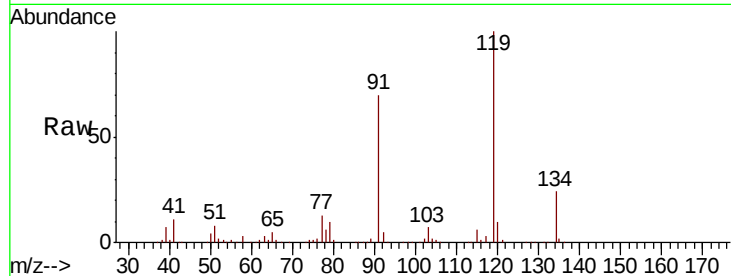
#83
tert-Butylbenzene
Concen: 53.875 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193245		
91	66.5	33.1	99.2	
134	25.1	12.5	37.5	

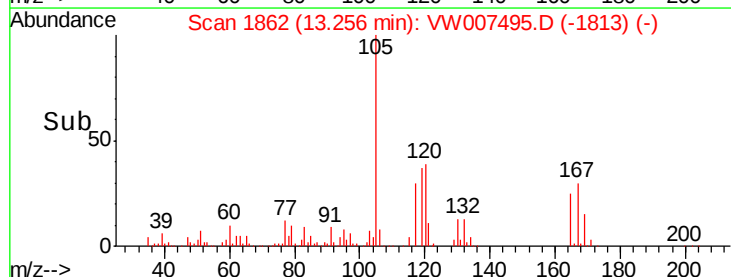
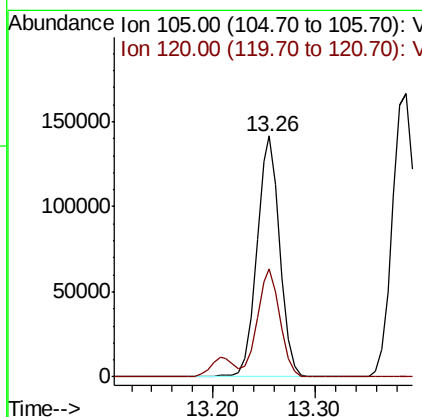
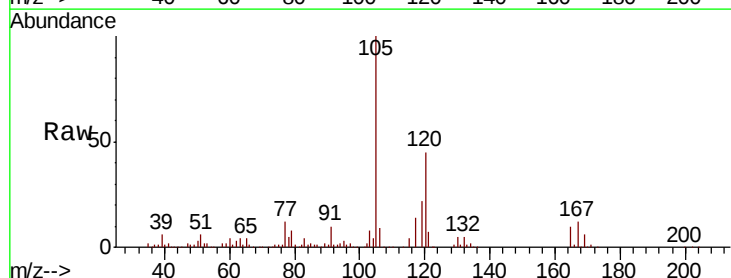
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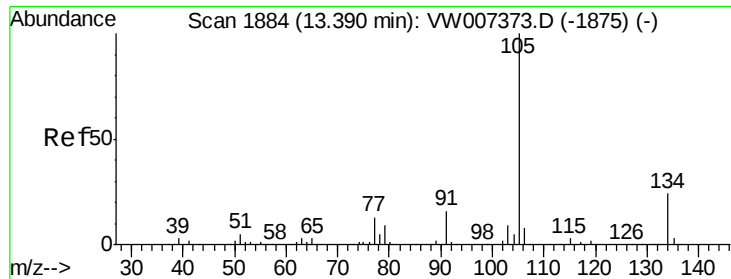
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#84
1,2,4-Trimethylbenzene
Concen: 52.702 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	220774		
120	44.3	22.6	67.7	





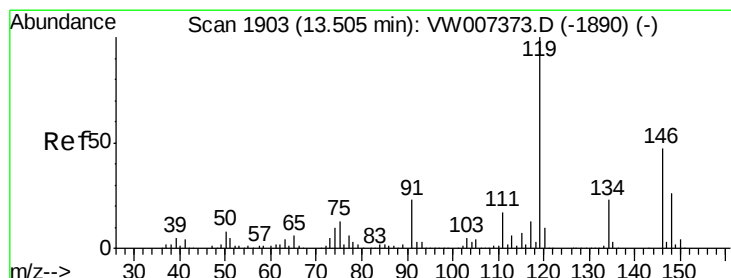
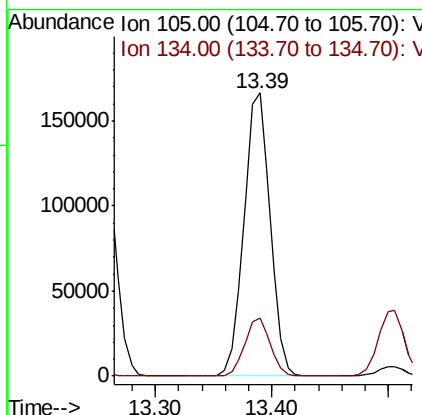
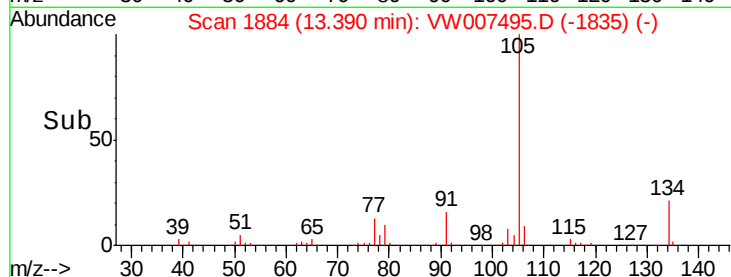
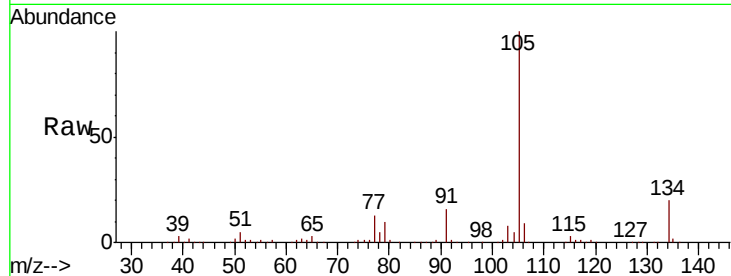
#85
 sec-Butylbenzene
 Concen: 53.413 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	11.1	33.3

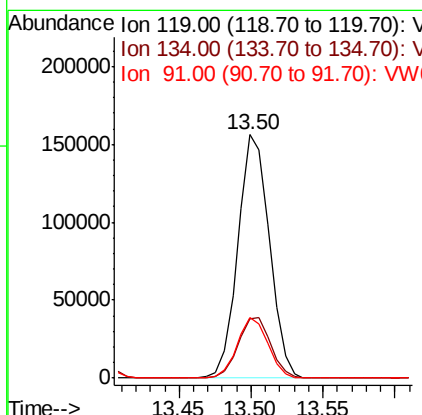
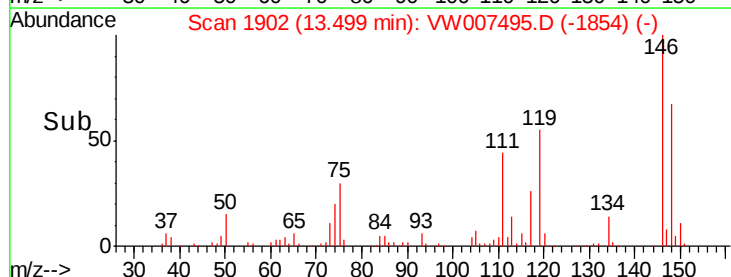
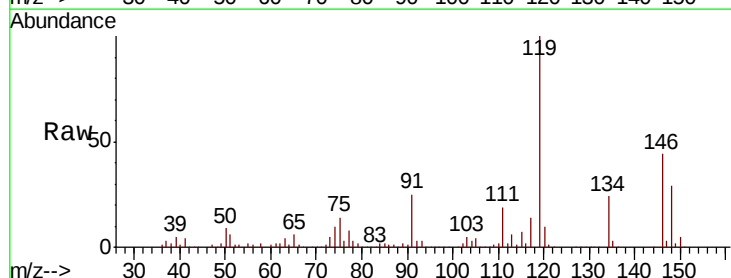
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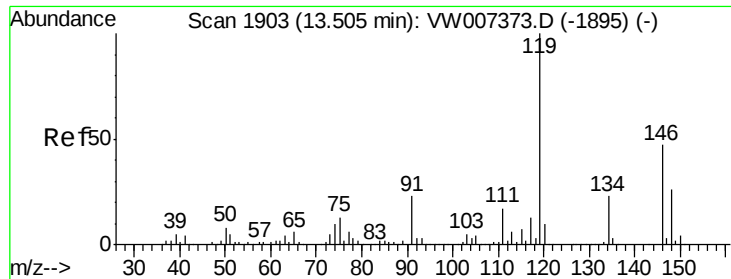
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#86
 p-Isopropyltoluene
 Concen: 53.827 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.7
91	24.3	11.9	35.9





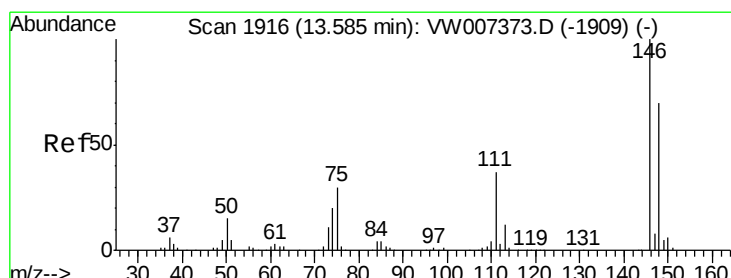
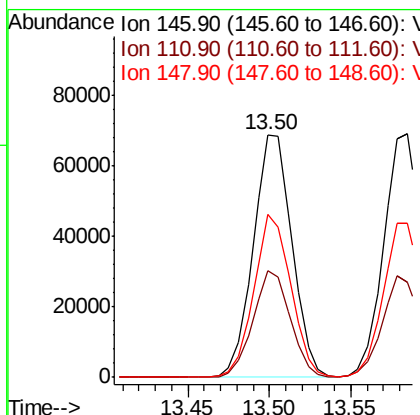
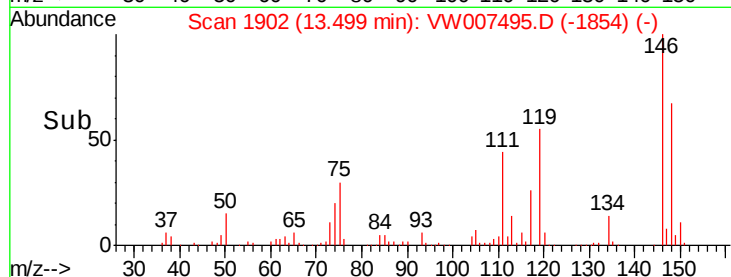
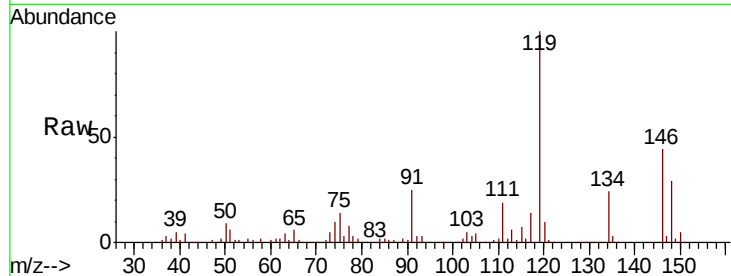
#87
 1,3-Dichlorobenzene
 Concen: 52.839 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.3
148	64.3	31.4	94.0

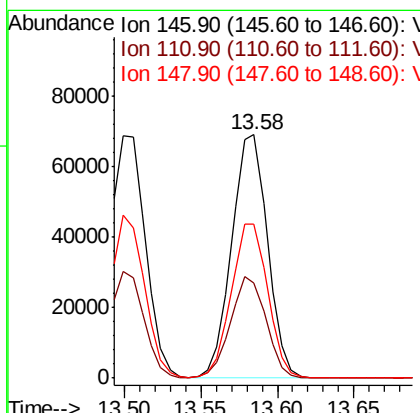
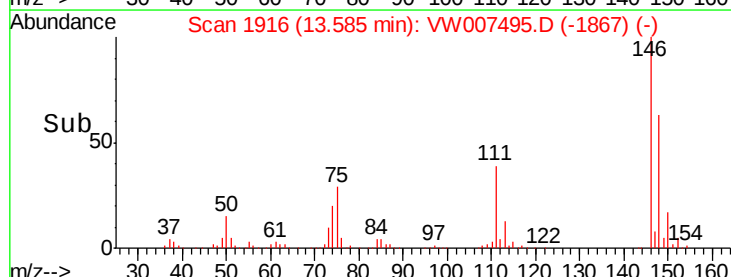
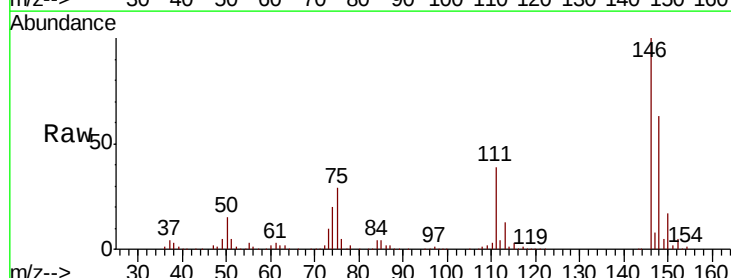
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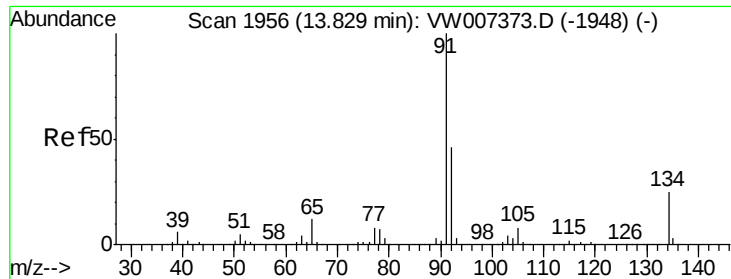
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#88
 1,4-Dichlorobenzene
 Concen: 52.148 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	64.3	33.5	100.5





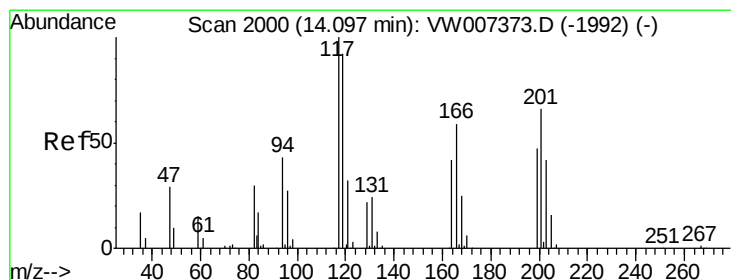
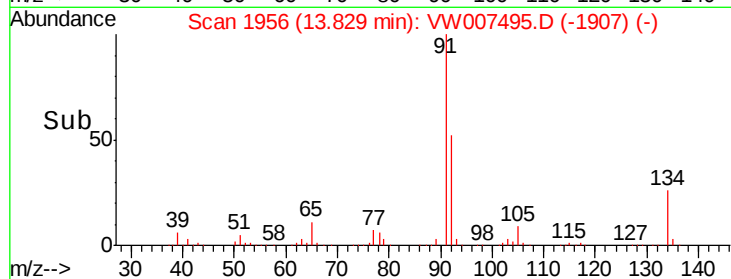
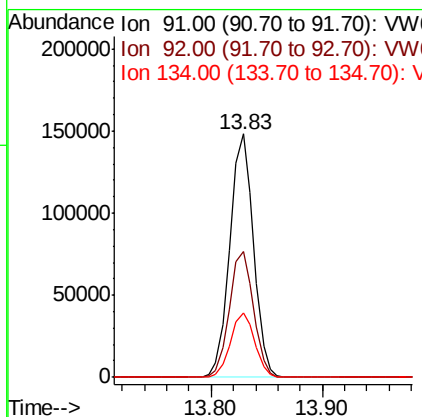
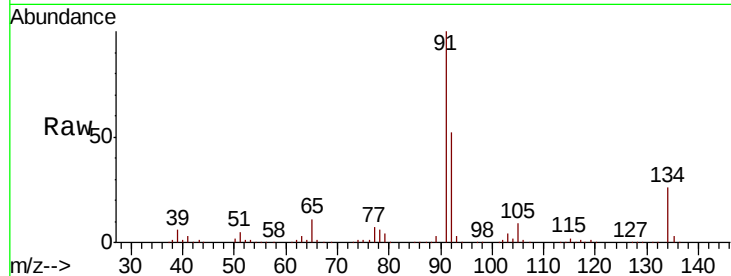
#89
n-Butylbenzene
Concen: 53.302 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.7	77.1
134	27.1	13.4	40.2

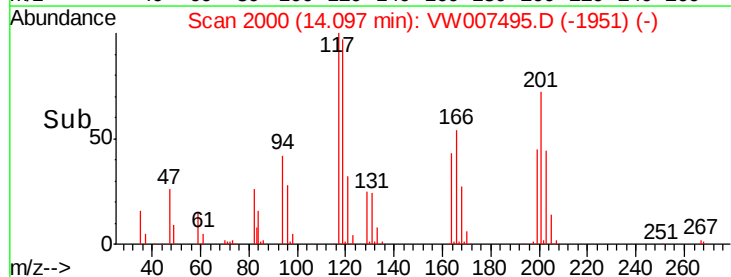
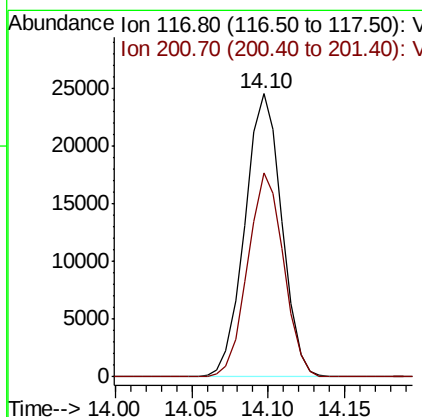
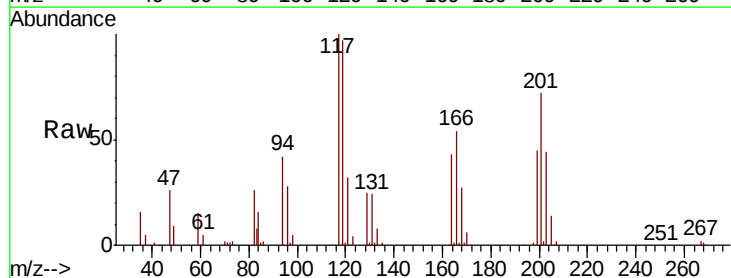
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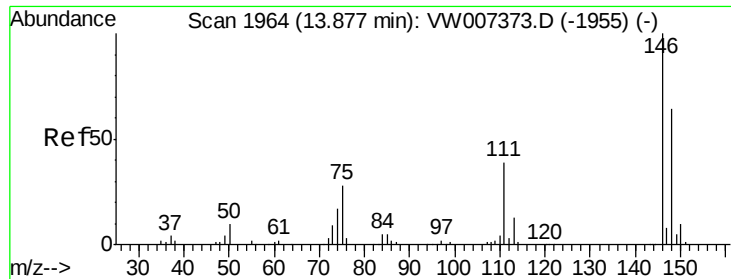
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#90
Hexachloroethane
Concen: 52.594 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.2	35.3	105.9





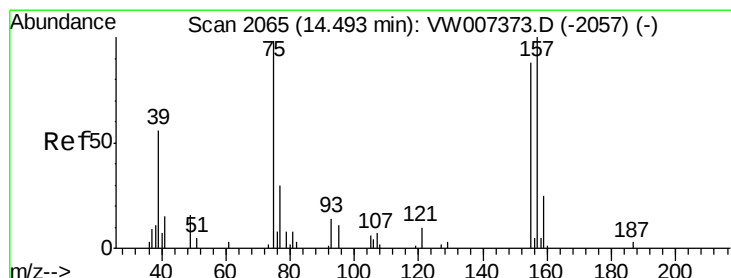
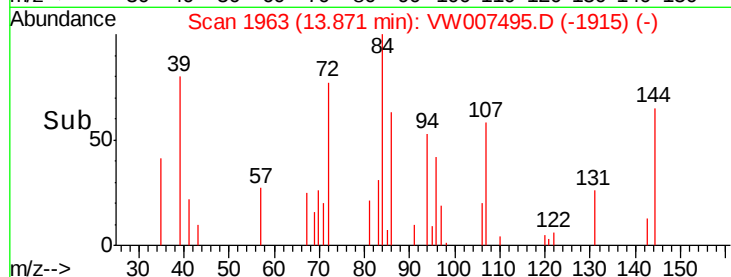
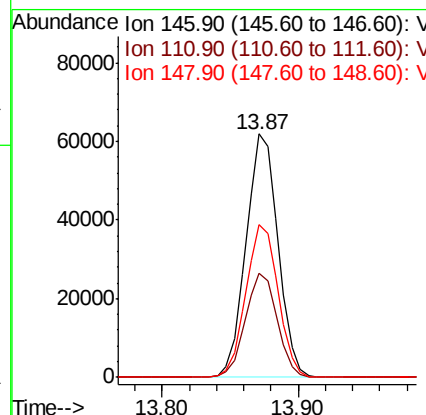
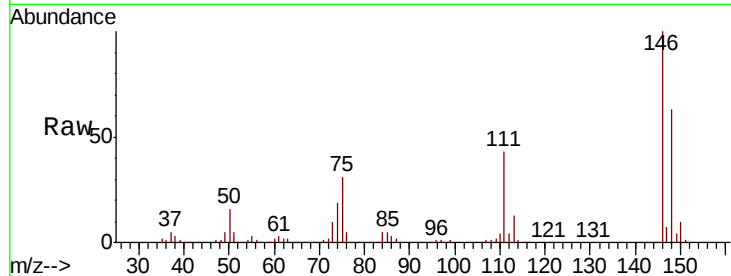
#91
 1,2-Dichlorobenzene
 Concen: 53.187 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.4	67.2
148	63.2	32.4	97.2

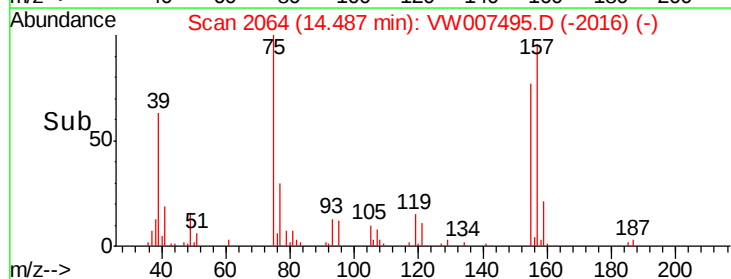
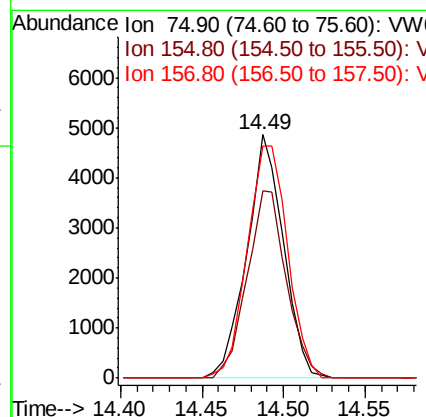
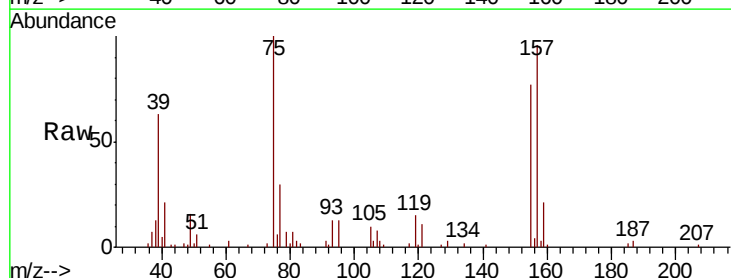
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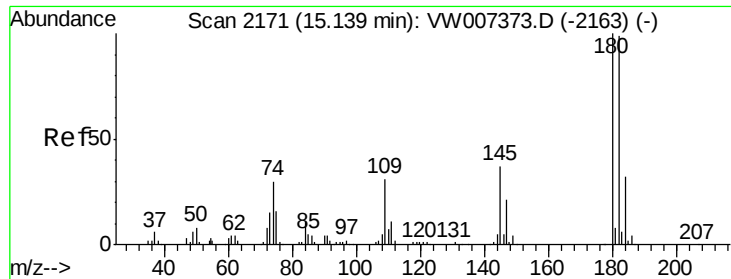
MMDadoda
 12/14/2018 11:24:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.902 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	40.8	122.2
157	104.9	51.1	153.4





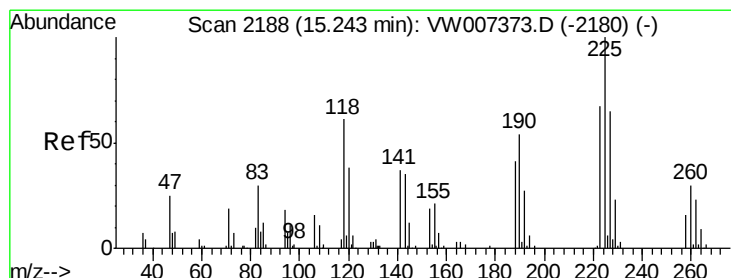
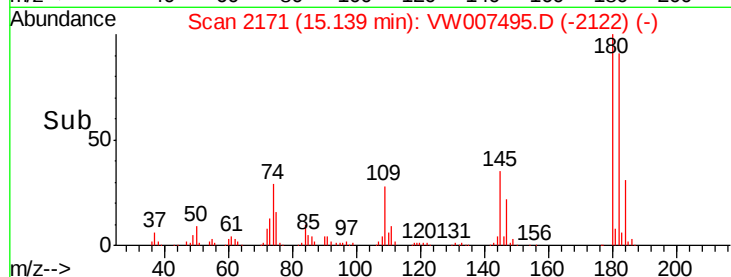
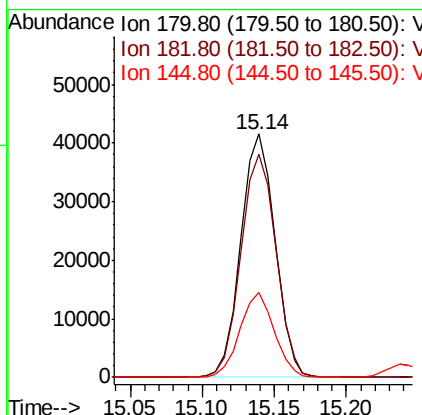
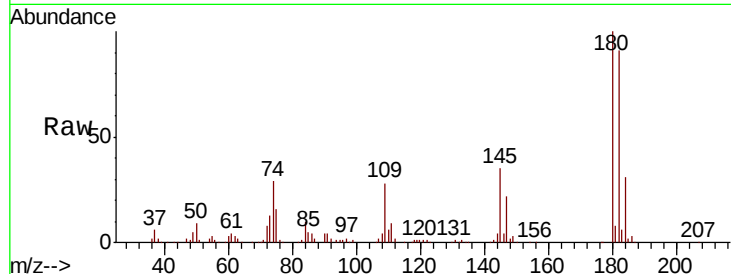
#93
1,2,4-Trichlorobenzene
Concen: 51.943 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	49.9	149.6
145	35.0	17.8	53.4

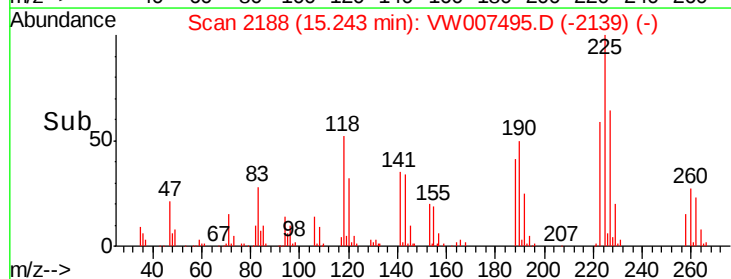
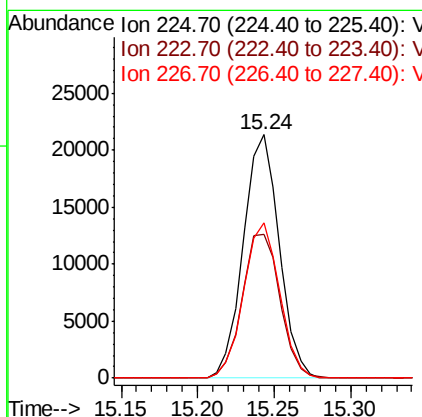
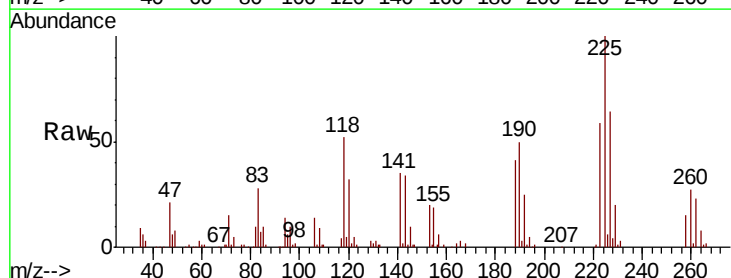
Manual Integrations
APPROVED

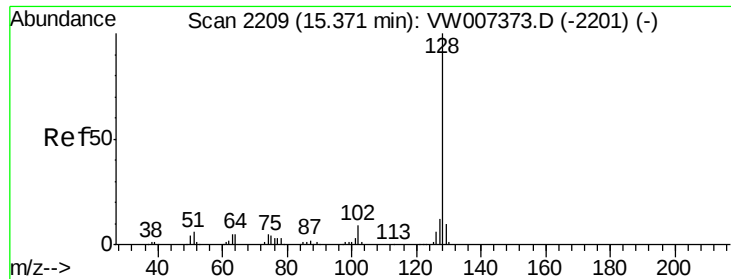
MMDadoda
12/14/2018 11:24:43 AM



#94
Hexachlorobutadiene
Concen: 49.824 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.1	96.3
227	63.9	31.9	95.9





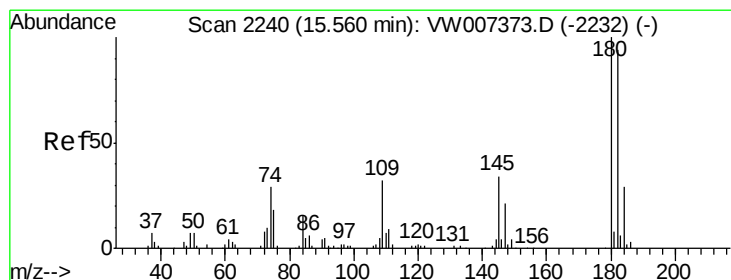
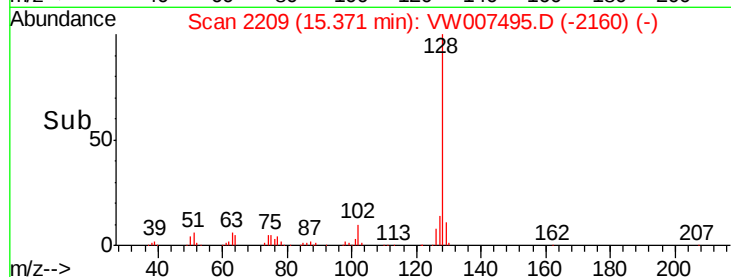
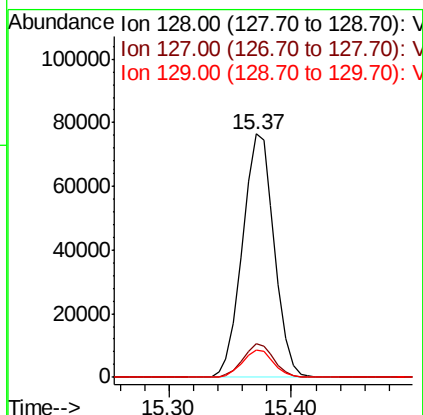
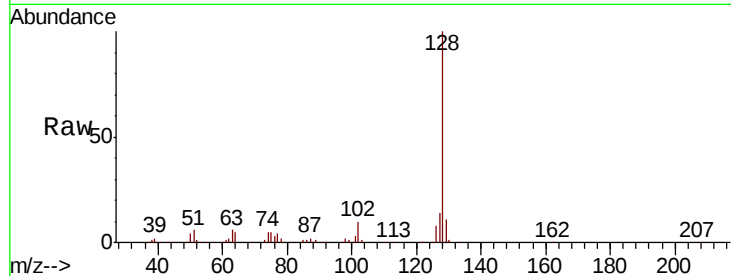
#95
Naphthalene
Concen: 54.586 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.0	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
12/14/2018 11:24:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.350 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	45.6	136.7
145	37.2	17.5	52.5

