

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007371.D
 Acq On : 10 Dec 2018 23:14
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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 12/11/2018 4:55:28 PM

Quant Time: Dec 11 02:57:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:44:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	85803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	146124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	62877	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	9690	10.18	ug/l	0.00
Spiked Amount			Recovery	=	20.36%	
35) Dibromofluoromethane	7.88	113	9228	10.43	ug/l	0.00
Spiked Amount			Recovery	=	20.86%	
50) Toluene-d8	10.32	98	34678	10.46	ug/l	0.00
Spiked Amount			Recovery	=	20.92%	
62) 4-Bromofluorobenzene	12.62	95	13327	10.93	ug/l	0.00
Spiked Amount			Recovery	=	21.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	6117	9.703	ug/l	90
3) Chloromethane	2.21	50	5161	10.277	ug/l	94
4) Vinyl Chloride	2.37	62	6512	11.050	ug/l	93
5) Bromomethane	2.78	94	4282	10.815	ug/l	98
6) Chloroethane	2.93	64	3328	10.259	ug/l	99
7) Trichlorofluoromethane	3.26	101	5229	9.870	ug/l	99
8) Diethyl Ether	3.67	74	4358	10.509	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	9066	10.370	ug/l	99
10) Methyl Iodide	4.26	142	14955	10.329	ug/l	97
11) Tert butyl alcohol	5.18	59	3294	50.385	ug/l	95
12) 1,1-Dichloroethene	4.03	96	8746	10.391	ug/l	97
13) Acrolein	3.88	56	2318	53.584	ug/l	100
14) Allyl chloride	4.66	41	13056	10.523	ug/l	100
15) Acrylonitrile	5.37	53	8436	48.258	ug/l	97
16) Acetone	4.12	43	7867	47.314	ug/l	98
17) Carbon Disulfide	4.37	76	26774	10.491	ug/l #	93
18) Methyl Acetate	4.67	43	4690	10.393	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	13448	10.591	ug/l	93
20) Methylene Chloride	4.92	84	12249	11.615	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	9770	10.376	ug/l	99
22) Diisopropyl ether	6.31	45	24271	10.177	ug/l	98
23) Vinyl Acetate	6.26	43	64281	48.191	ug/l	96
24) 1,1-Dichloroethane	6.21	63	16859	10.460	ug/l	97
25) 2-Butanone	7.18	43	10433	48.063	ug/l	95
26) 2,2-Dichloropropane	7.16	77	11409	10.696	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	10611	10.292	ug/l	96
28) Bromochloromethane	7.51	49	6267	10.337	ug/l	95
29) Tetrahydrofuran	7.54	42	6537	47.570	ug/l	99
30) Chloroform	7.68	83	18333	10.452	ug/l	98
31) Cyclohexane	7.95	56	16180	10.941	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	15865	10.314	ug/l	98
36) 1,1-Dichloropropene	8.08	75	14123	10.595	ug/l	97
37) Ethyl Acetate	7.25	43	4771	9.623	ug/l #	94
38) Carbon Tetrachloride	8.07	117	14901	10.274	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	16586	10.276	ug/l	97
40) Benzene	8.32	78	38258	10.342	ug/l	100
41) Methacrylonitrile	7.48	41	2324	8.232	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	11950	10.284	ug/l	97
43) Isopropyl Acetate	8.42	43	9482	9.682	ug/l	96
44) Trichloroethene	9.09	130	11028	10.440	ug/l	99
45) 1,2-Dichloropropane	9.37	63	8993	10.505	ug/l	99
46) Dibromomethane	9.46	93	5003	10.291	ug/l	94
47) Bromodichloromethane	9.65	83	12781	10.023	ug/l #	94
48) Methyl methacrylate	9.43	41	4546	9.038	ug/l	92
49) 1,4-Dioxane	9.45	88	1458	184.838	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	21305	46.042	ug/l	99
52) Toluene	10.39	92	24596	10.274	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	12250	9.895	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	14354	10.030	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	6733	10.176	ug/l	95
56) Ethyl methacrylate	10.65	69	7264	9.134	ug/l	95
57) 1,3-Dichloropropane	10.93	76	11144	10.262	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	15279	41.662	ug/l	98
59) 2-Hexanone	10.97	43	14846	48.115	ug/l	98
60) Dibromochloromethane	11.13	129	8251	9.882	ug/l	92
61) 1,2-Dibromoethane	11.24	107	6099	9.328	ug/l	97
64) Tetrachloroethene	10.86	164	9615	10.366	ug/l #	86
65) Chlorobenzene	11.66	112	25455	9.468	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	9254	9.773	ug/l	96
67) Ethyl Benzene	11.73	91	44353	9.596	ug/l #	89
68) m/p-Xylenes	11.84	106	35706	19.871	ug/l	94
69) o-Xylene	12.17	106	16284	9.703	ug/l	97
70) Styrene	12.18	104	26531	9.788	ug/l	97
71) Bromoform	12.35	173	4325	8.924	ug/l #	94
73) Isopropylbenzene	12.47	105	48794	10.128	ug/l	98
74) N-amyl acetate	12.27	43	7764	8.867	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	6436	9.019	ug/l	87
76) 1,2,3-Trichloropropane	12.77	75	4907m	9.465	ug/l	
77) Bromobenzene	12.75	156	10046	9.407	ug/l	89
78) n-propylbenzene	12.80	91	52241	9.635	ug/l	98
79) 2-Chlorotoluene	12.90	91	32114	9.789	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	40330	9.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2108	8.982	ug/l	96
82) 4-Chlorotoluene	12.99	91	32813	9.488	ug/l	94
83) tert-Butylbenzene	13.21	119	34828	9.764	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	42595	10.225	ug/l	95
85) sec-Butylbenzene	13.39	105	49827	10.233	ug/l	93
86) p-Isopropyltoluene	13.50	119	44406	10.151	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	22144	10.400	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	21038	9.828	ug/l	95
89) n-Butylbenzene	13.83	91	40499	9.986	ug/l	98
90) Hexachloroethane	14.10	117	7817	10.043	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	18725	9.819	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1414	9.874	ug/l	85

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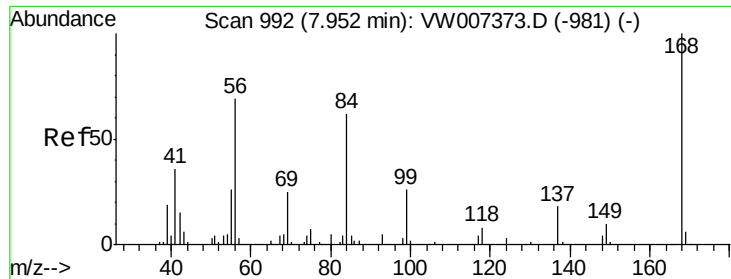
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	12706	9.681	ug/l	96
94) Hexachlorobutadiene	15.24	225	6933	9.956	ug/l	98
95) Naphthalene	15.38	128	22589	8.997	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	10616	9.312	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007371.D

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MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:168 Resp: 85803

Ion Ratio Lower Upper

168 100

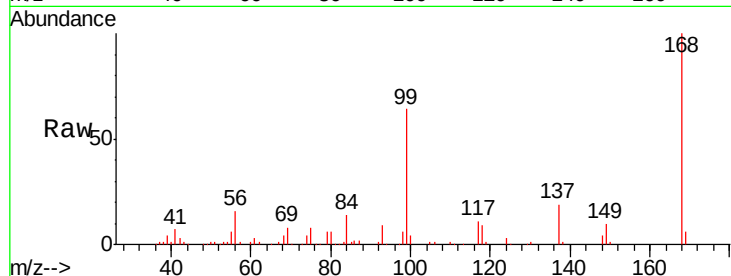
99 63.8 48.3 72.5

Manual Integrations

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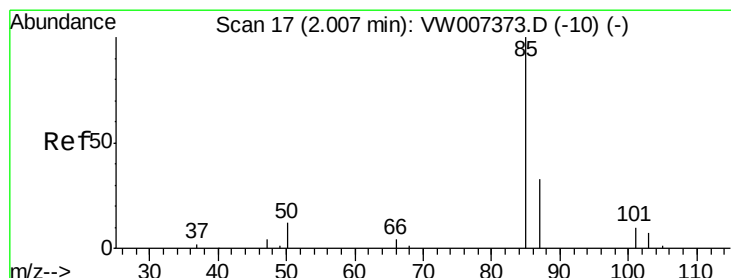
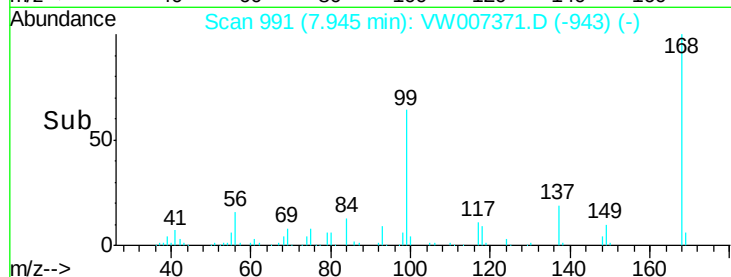
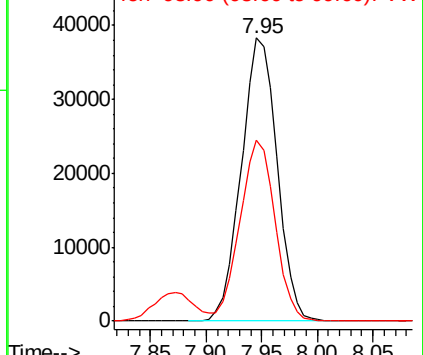
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 9.703 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007371.D

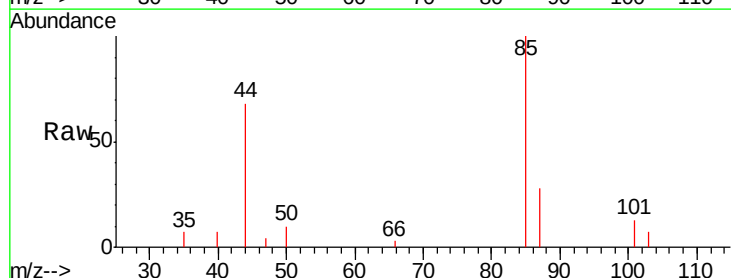
Acq: 10 Dec 2018 23:14

Tgt Ion: 85 Resp: 6117

Ion Ratio Lower Upper

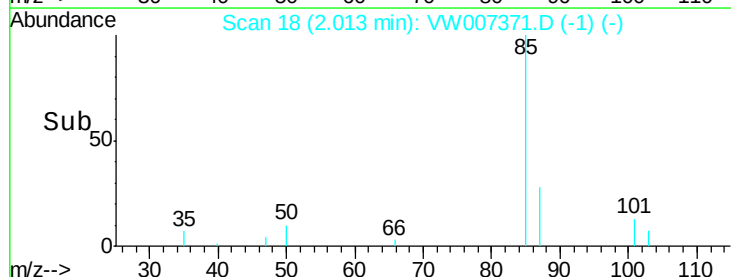
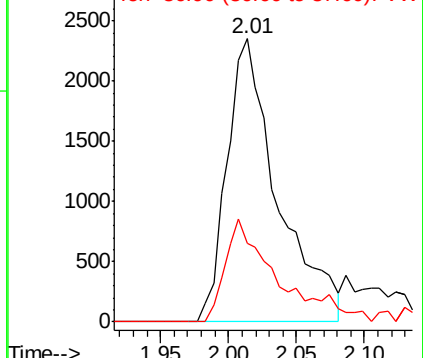
85 100

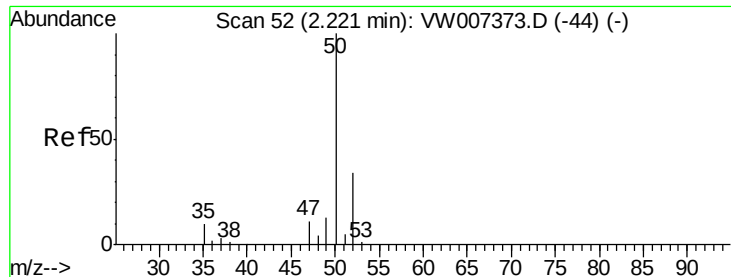
87 27.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 10.277 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 5161

Ion Ratio Lower Upper

50 100

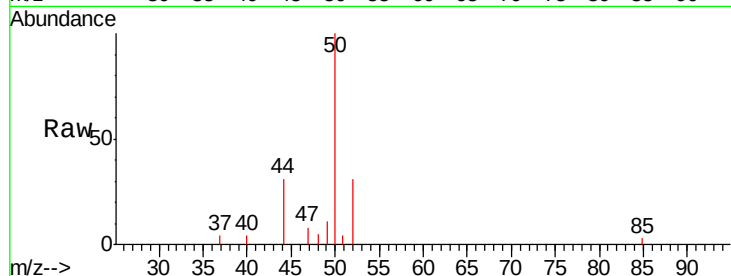
52 30.7 27.4 41.0

Manual Integrations

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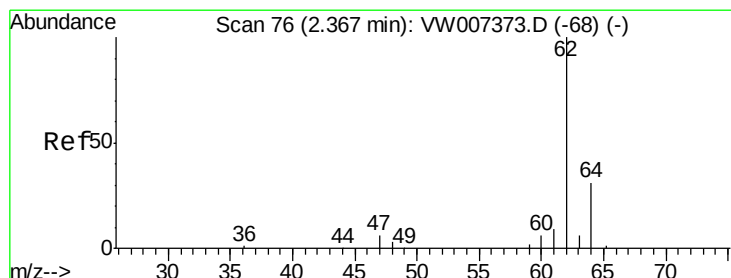
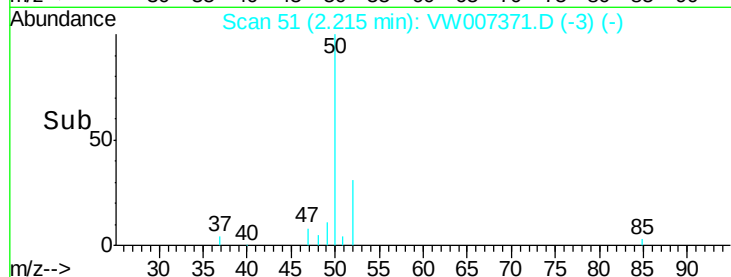
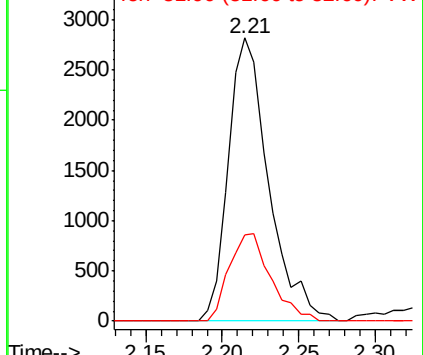
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 11.050 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007371.D

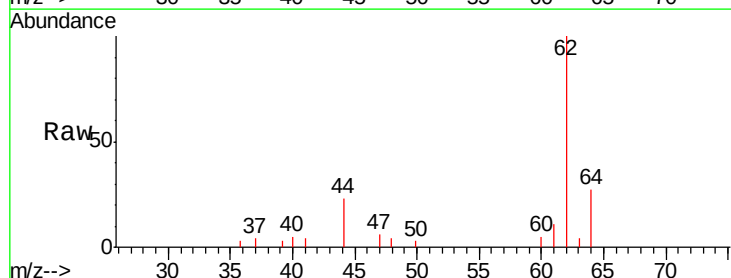
Acq: 10 Dec 2018 23:14

Tgt Ion: 62 Resp: 6512

Ion Ratio Lower Upper

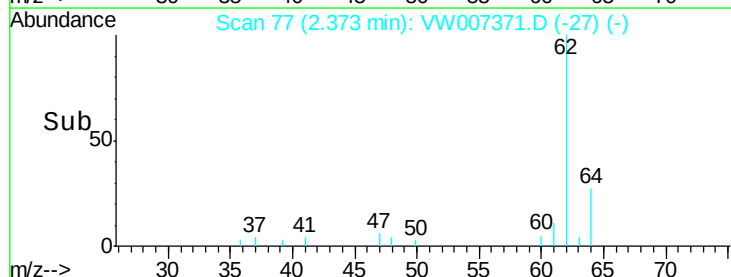
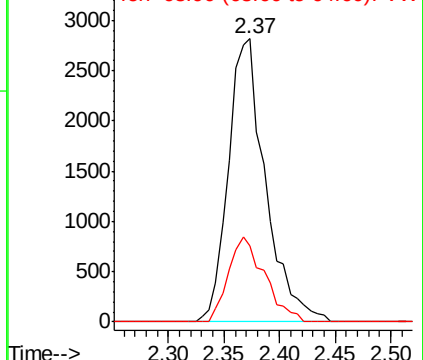
62 100

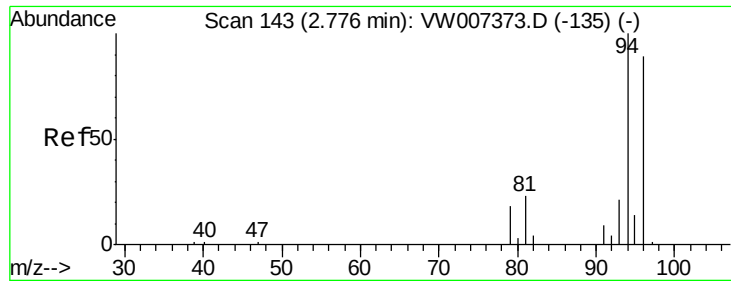
64 27.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 10.815 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion: 94 Resp: 4282

Ion Ratio Lower Upper

94 100

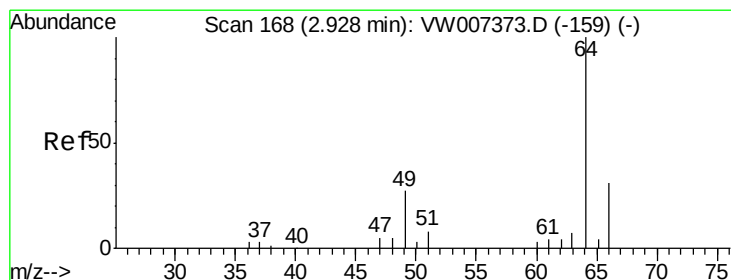
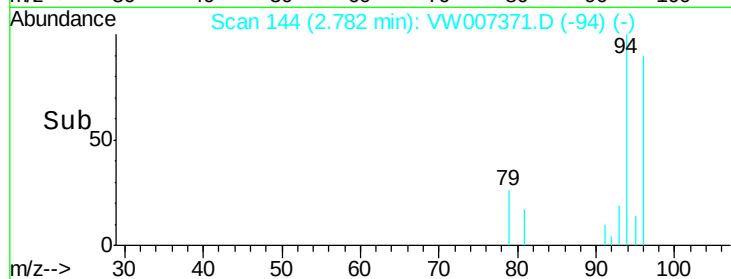
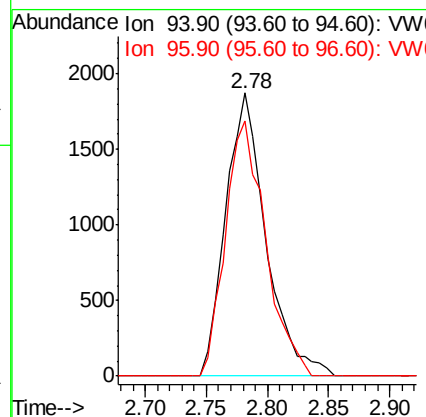
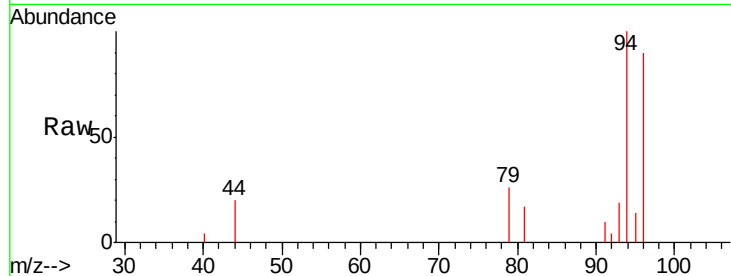
96 90.3 71.0 106.4

Manual Integrations

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#6

Chloroethane

Concen: 10.259 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007371.D

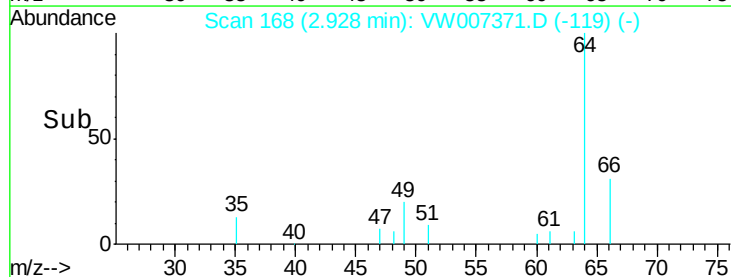
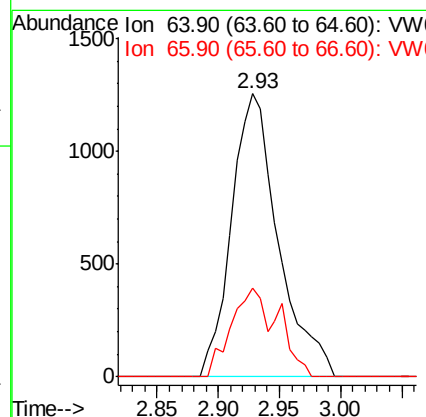
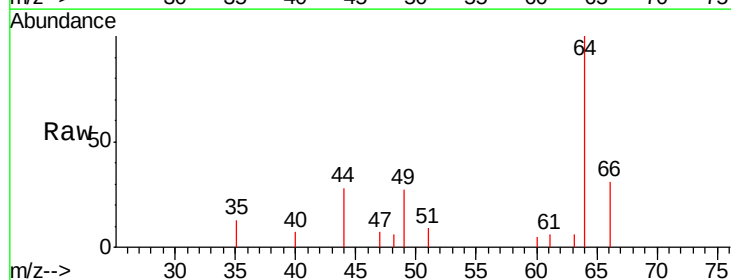
Acq: 10 Dec 2018 23:14

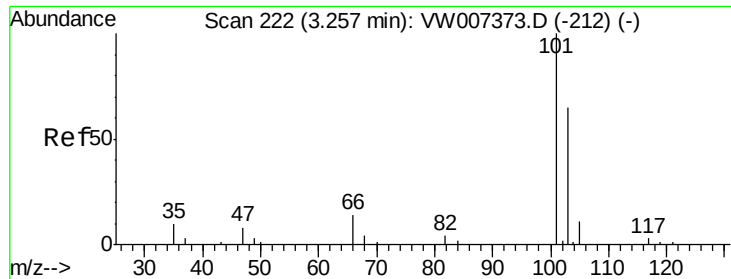
Tgt Ion: 64 Resp: 3328

Ion Ratio Lower Upper

64 100

66 31.2 24.6 37.0





#7

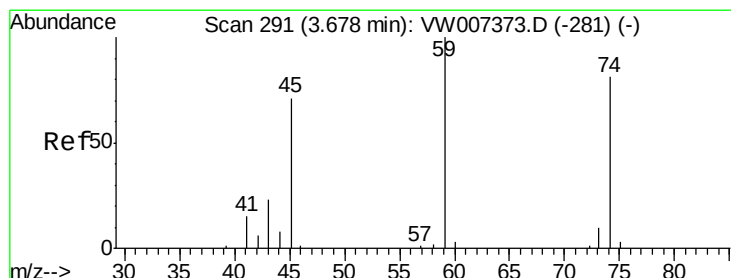
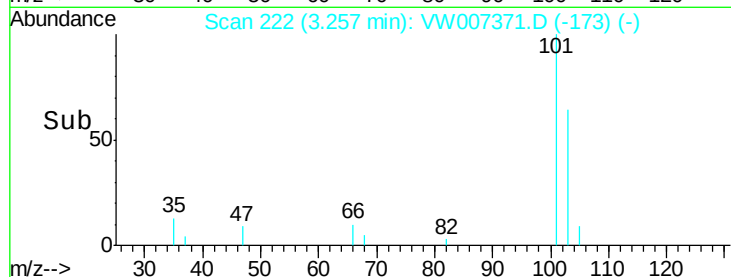
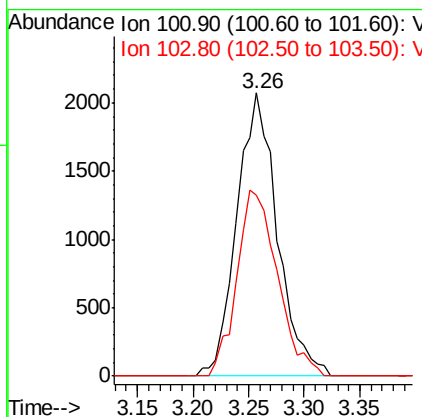
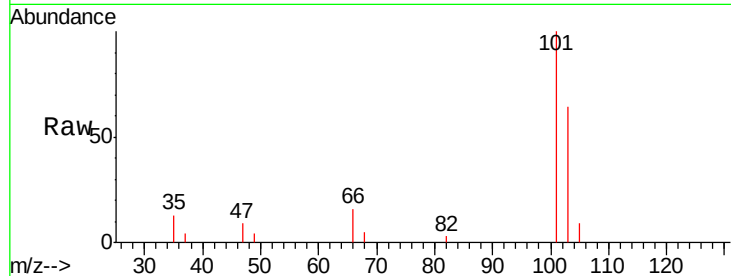
Trichlorofluoromethane
Concen: 9.870 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

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MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 101 Resp: 5229
Ion Ratio Lower Upper
101 100
103 63.9 51.7 77.5

Manual Integrations
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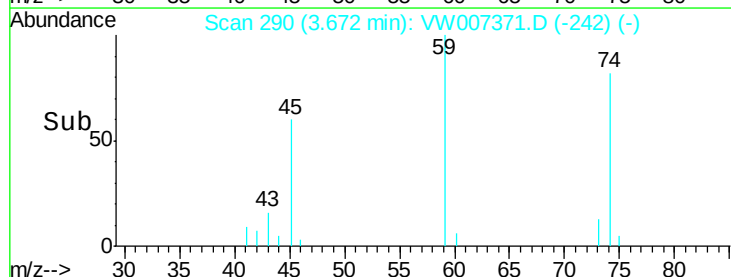
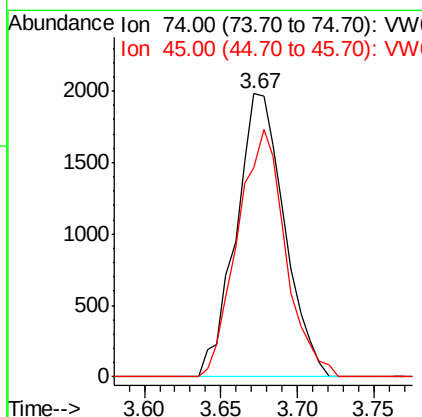
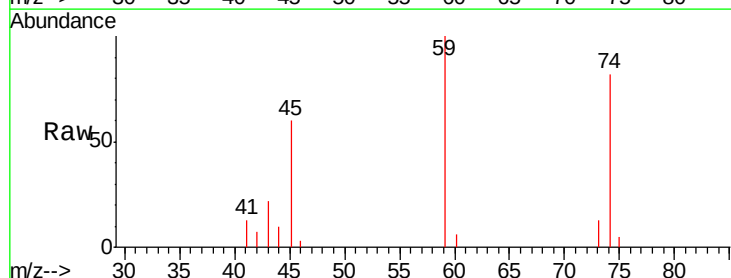
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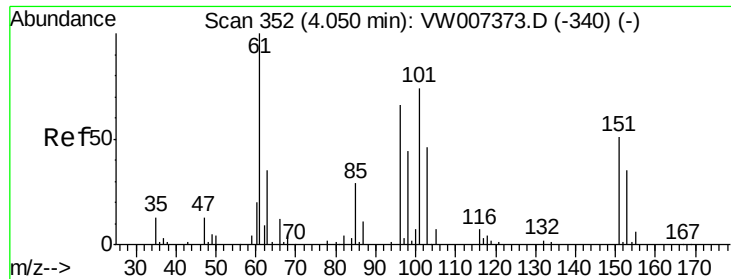


#8

Diethyl Ether
Concen: 10.509 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 74 Resp: 4358
Ion Ratio Lower Upper
74 100
45 86.4 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.370 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

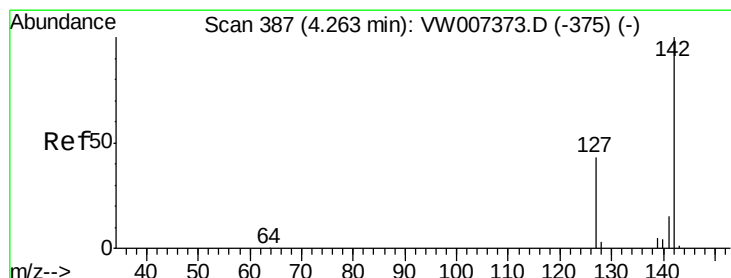
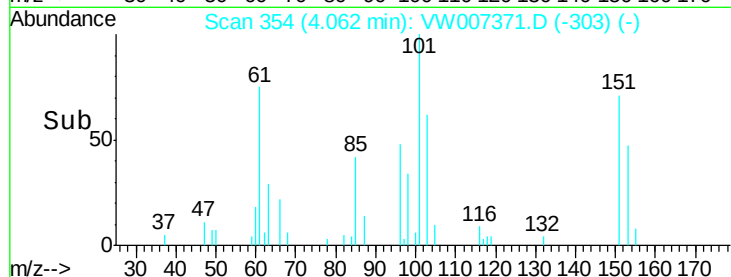
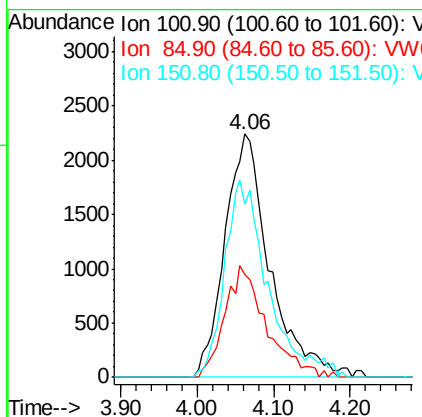
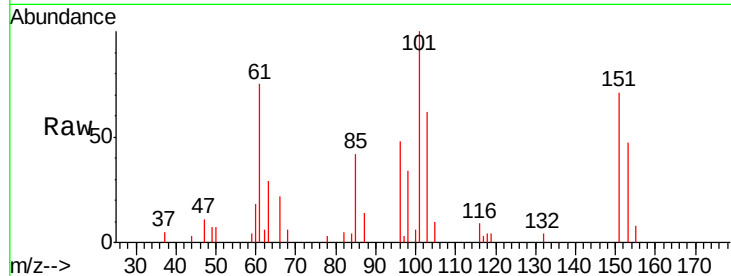
ClientSampleId :

VSTDIC010

Tgt Ion:	101	Resp:	9066
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.9	50.9
151	78.4	63.7	95.5

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#10

Methyl Iodide

Concen: 10.329 ug/l

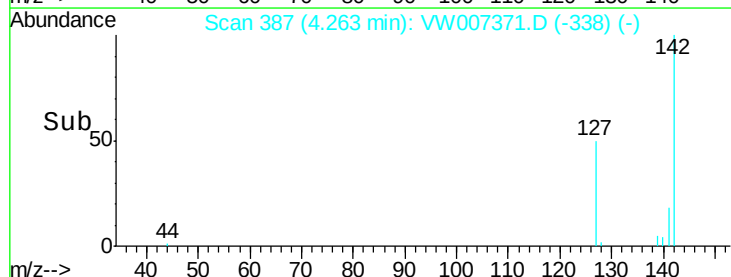
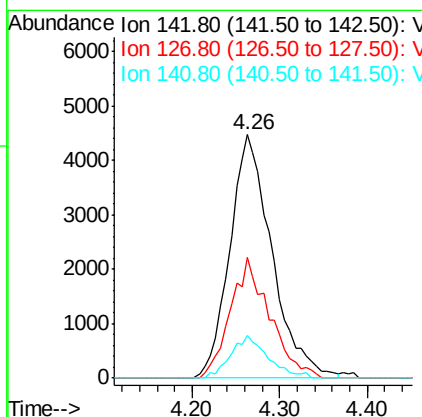
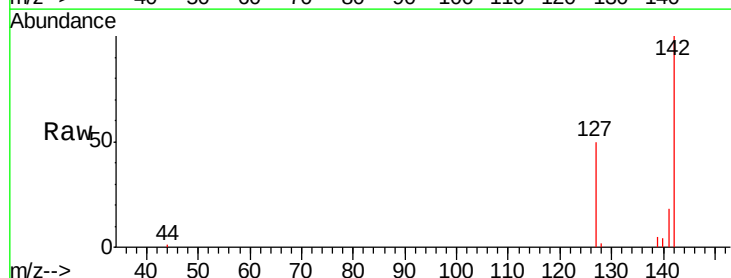
RT: 4.26 min Scan# 387

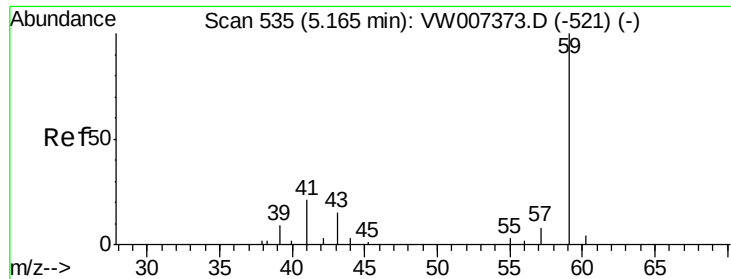
Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Tgt Ion:	142	Resp:	14955
Ion Ratio	Lower	Upper	
142	100		
127	46.4	35.8	53.6
141	15.5	11.1	16.7





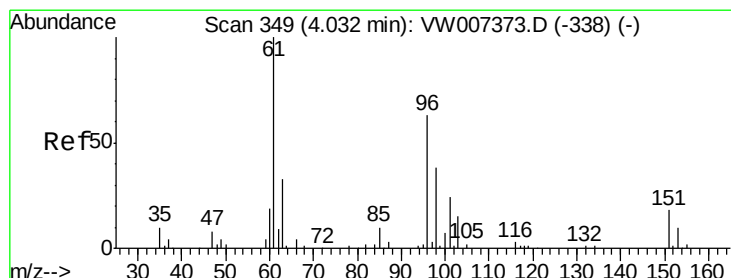
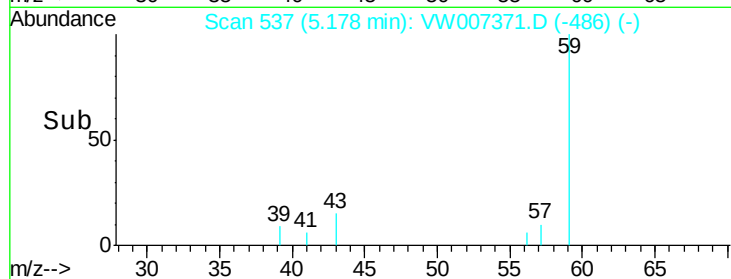
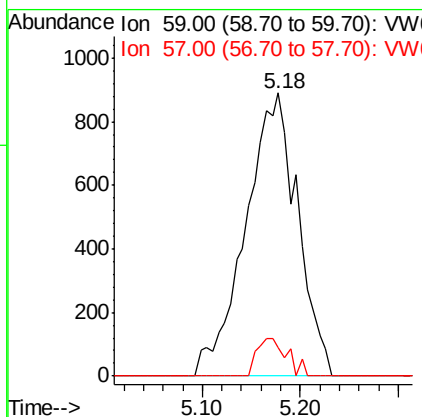
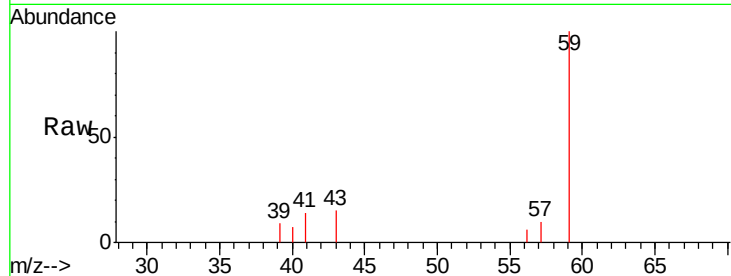
#11
Tert butyl alcohol
Concen: 50.385 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 59 Resp: 3294
Ion Ratio Lower Upper
59 100
57 7.7 7.6 11.4

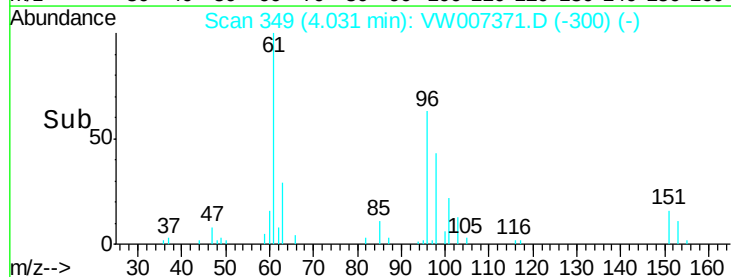
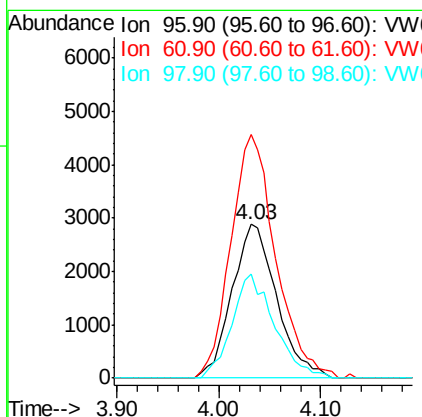
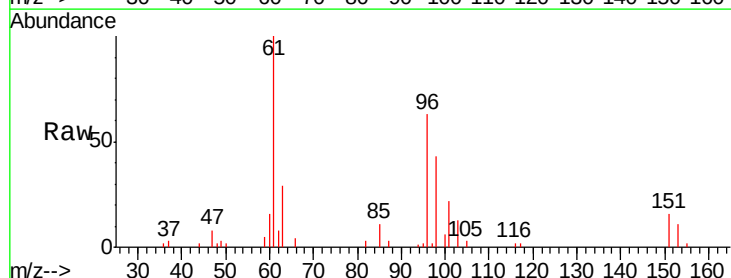
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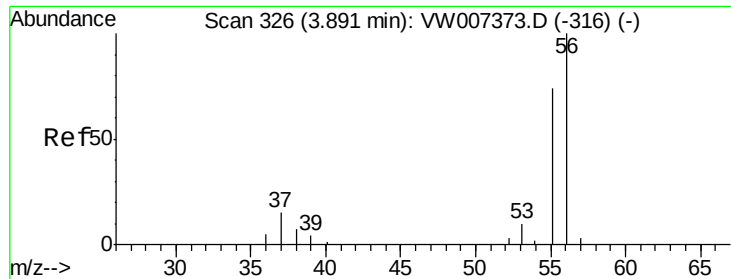
MMDadoda
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#12
1,1-Dichloroethene
Concen: 10.391 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 96 Resp: 8746
Ion Ratio Lower Upper
96 100
61 158.2 126.2 189.2
98 68.0 48.3 72.5





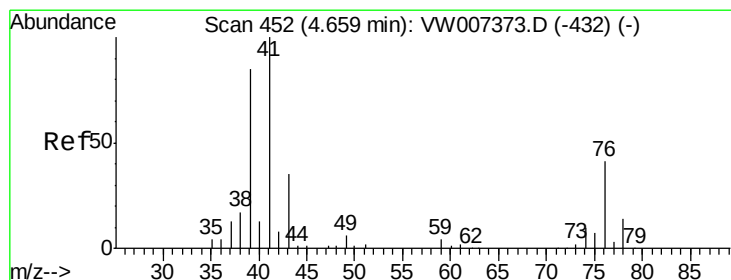
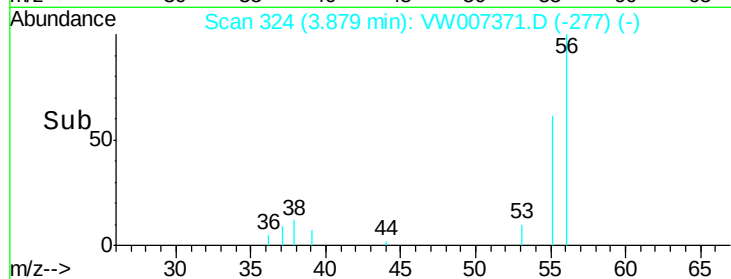
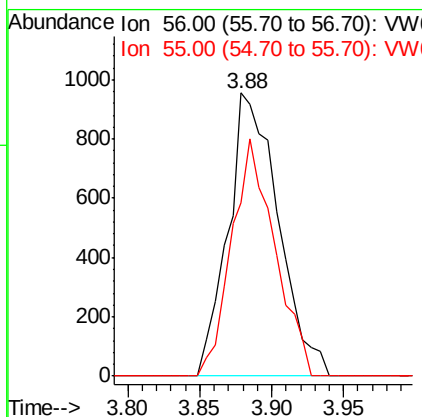
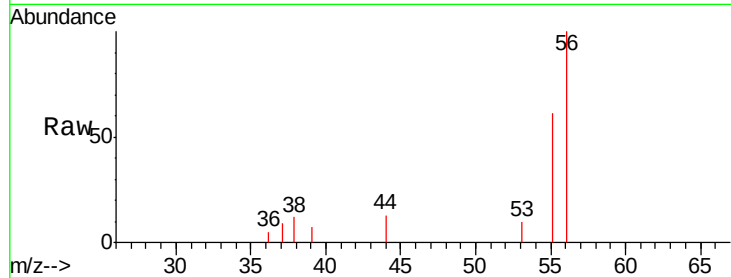
#13
Acrolein
Concen: 53.584 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 2318
Ion Ratio Lower Upper
56 100
55 71.9 57.4 86.2

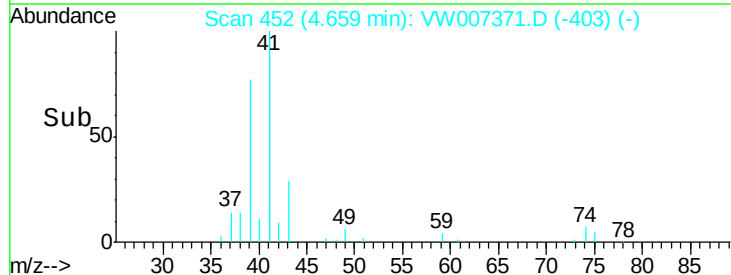
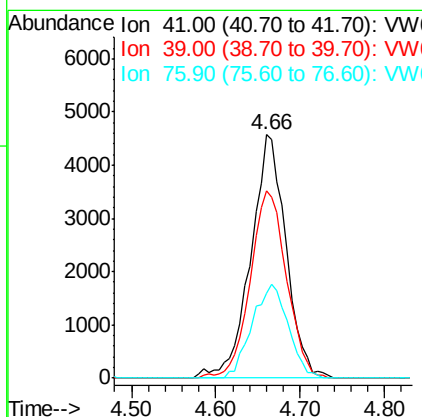
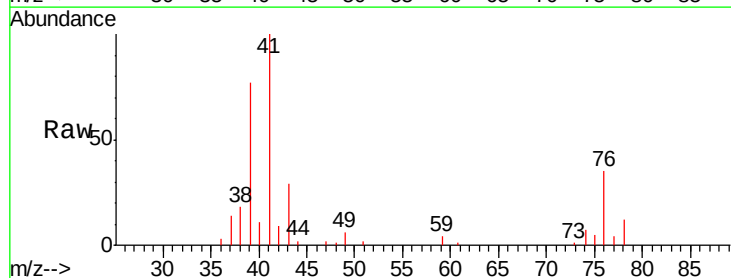
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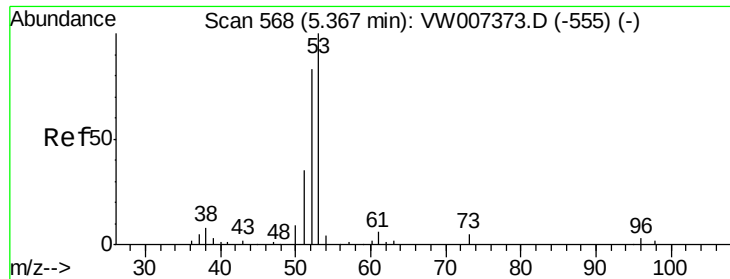
MMDadoda
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#14
Allyl chloride
Concen: 10.523 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 41 Resp: 13056
Ion Ratio Lower Upper
41 100
39 79.1 63.4 95.2
76 39.6 32.1 48.1





#15

Acrylonitrile

Concen: 48.258 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

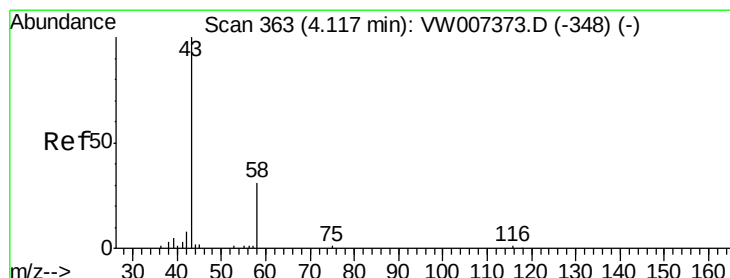
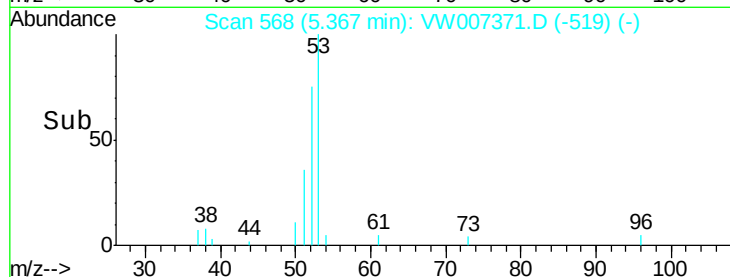
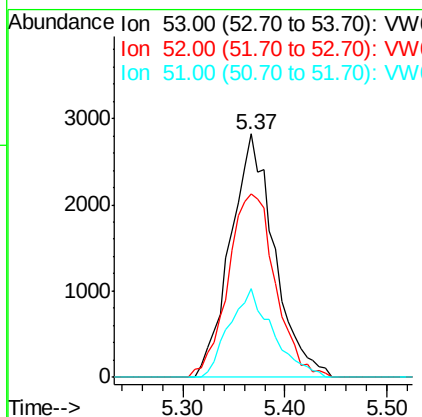
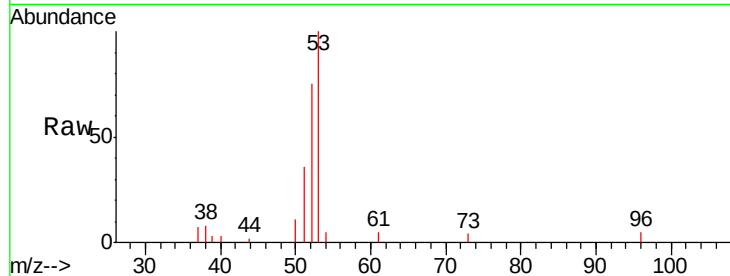
ClientSampleId :

VSTDIC010

Tgt Ion:	53	Resp:	8436
Ion	Ratio	Lower	Upper
53	100		
52	81.0	67.4	101.2
51	36.2	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 47.314 ug/l

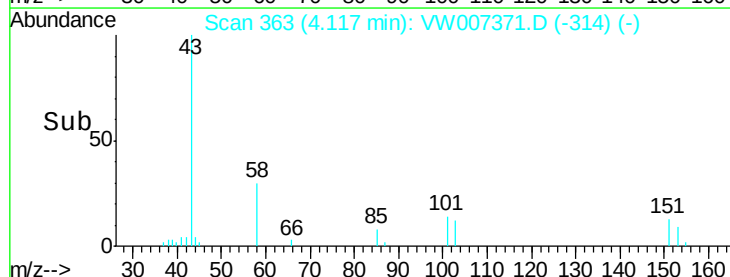
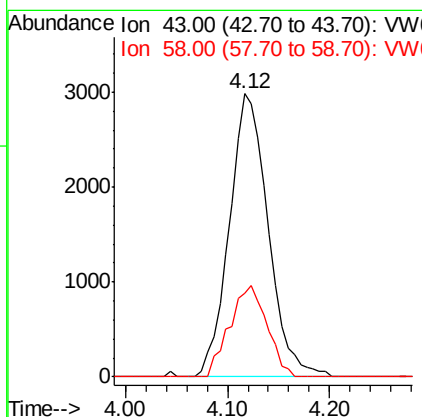
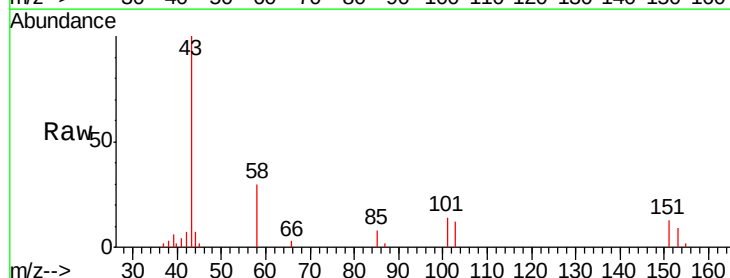
RT: 4.12 min Scan# 363

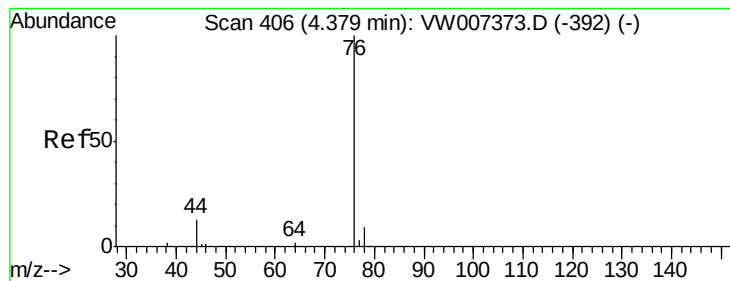
Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Tgt Ion:	43	Resp:	7867
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.9	37.3





#17

Carbon Disulfide

Concen: 10.491 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 26774

Ion Ratio Lower Upper

76 100

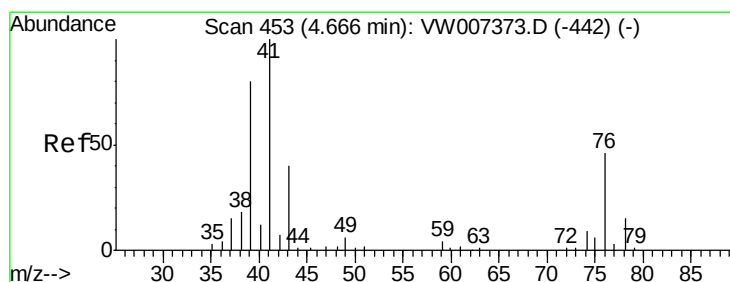
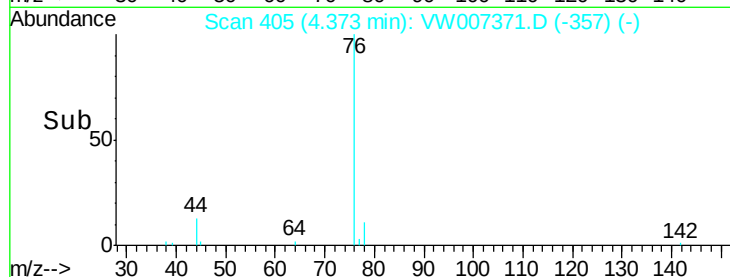
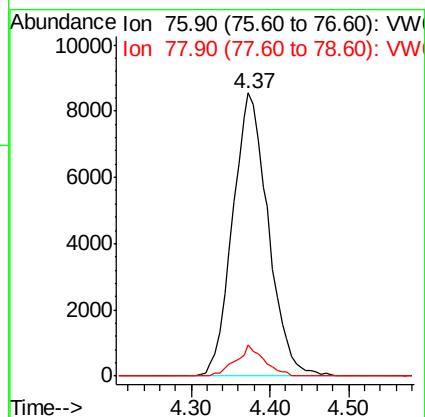
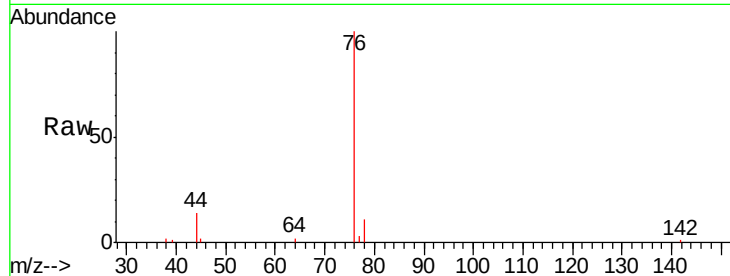
78 11.2 7.1 10.7#

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#18

Methyl Acetate

Concen: 10.393 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007371.D

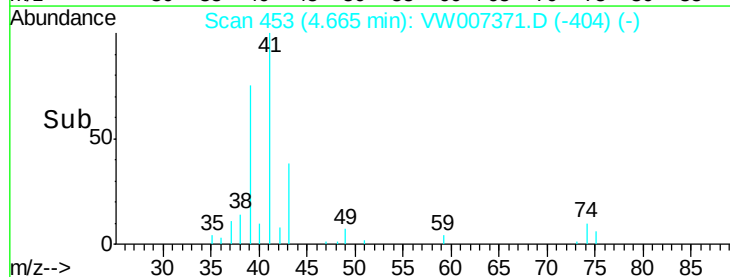
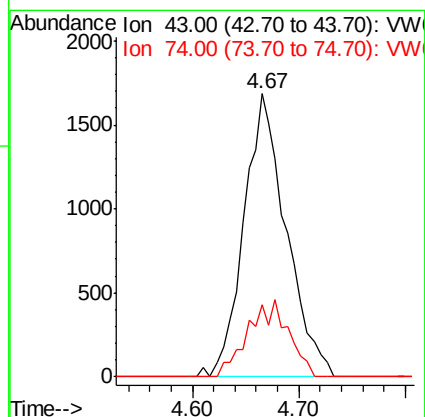
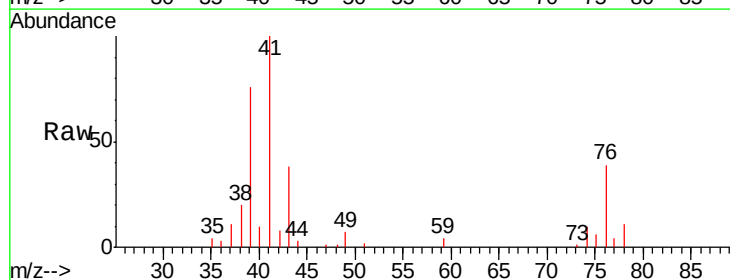
Acq: 10 Dec 2018 23:14

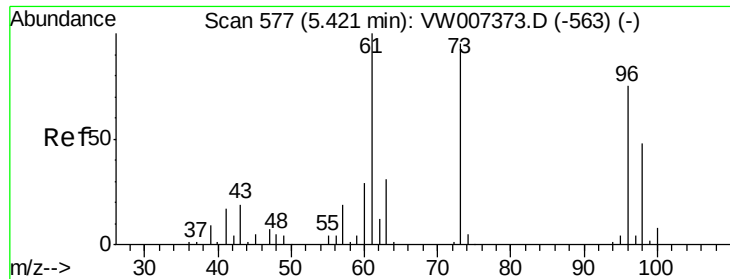
Tgt Ion: 43 Resp: 4690

Ion Ratio Lower Upper

43 100

74 26.1 21.1 31.7





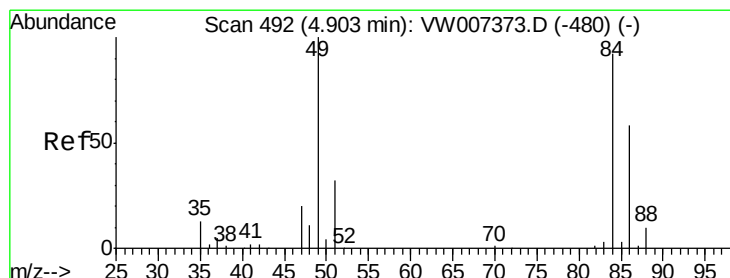
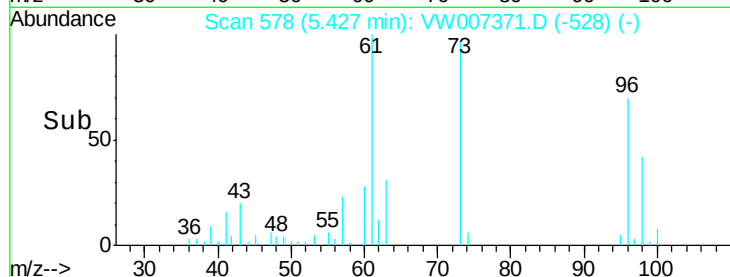
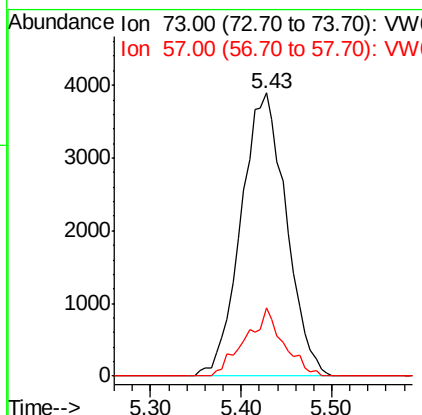
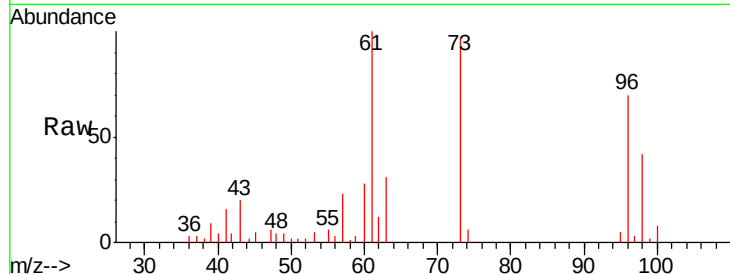
#19
Methyl tert-butyl Ether
Concen: 10.591 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 73 Resp: 13448
Ion Ratio Lower Upper
73 100
57 24.0 16.4 24.6

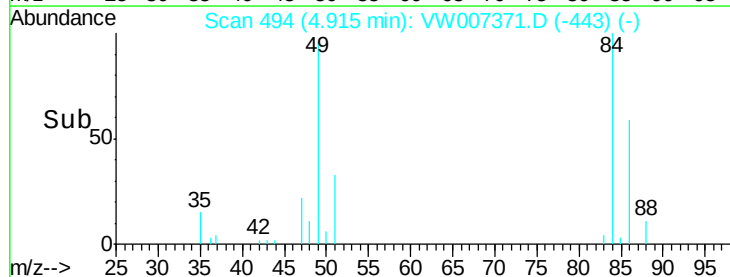
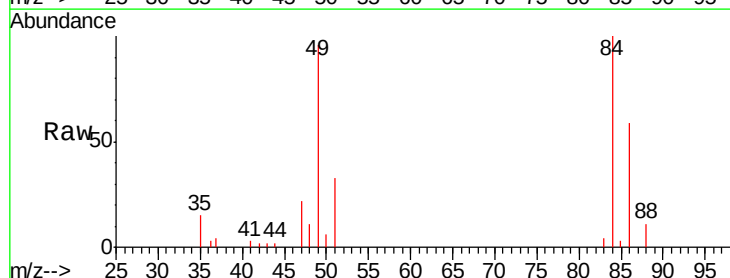
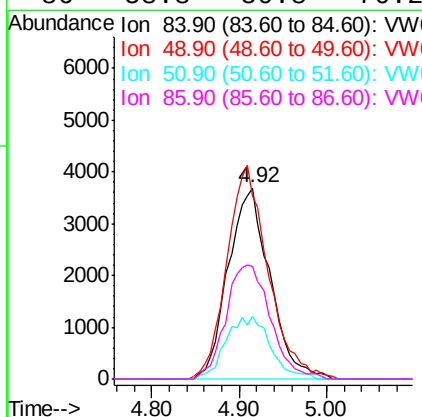
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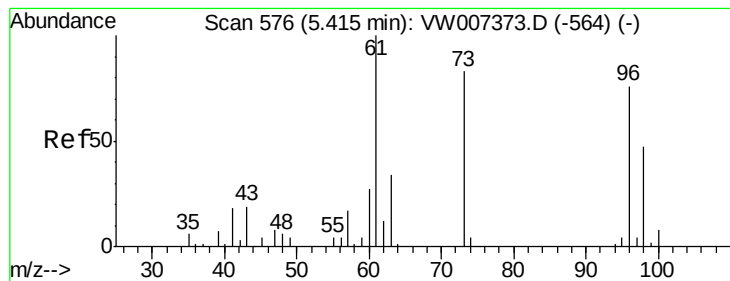
MMDadoda
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#20
Methylene Chloride
Concen: 11.615 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 84 Resp: 12249
Ion Ratio Lower Upper
84 100
49 95.7 87.1 130.7
51 32.7 28.2 42.2
86 58.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 10.376 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

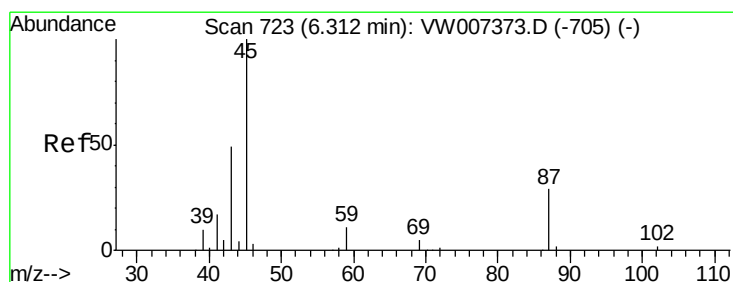
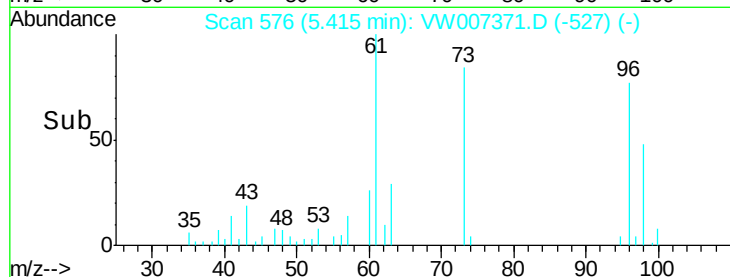
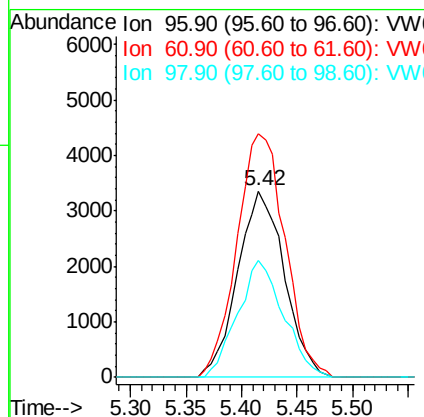
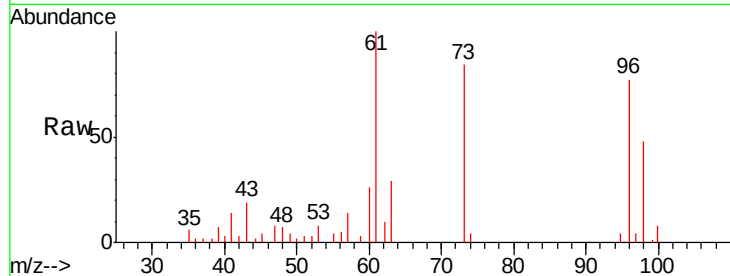
ClientSampleId :

VSTDIC010

Tgt Ion:	96	Resp:	9770
Ion	Ratio	Lower	Upper
96	100		
61	130.6	105.0	157.6
98	63.1	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.177 ug/l

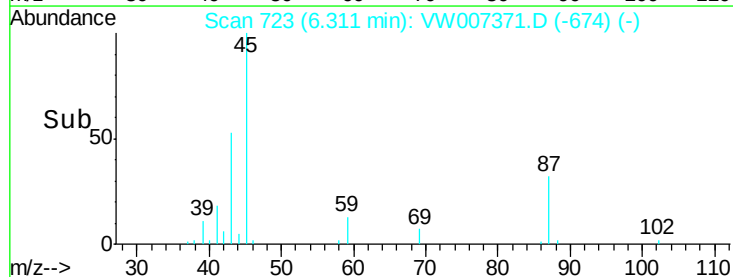
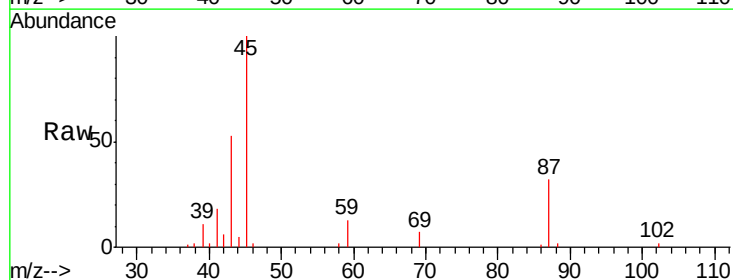
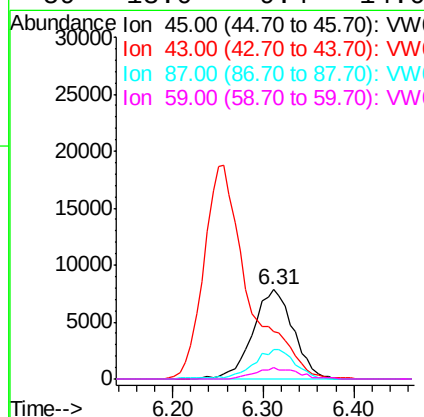
RT: 6.31 min Scan# 723

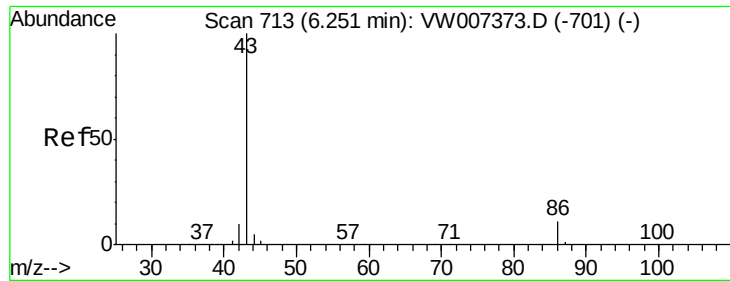
Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Tgt Ion:	45	Resp:	24271
Ion	Ratio	Lower	Upper
45	100		
43	52.3	41.6	62.4
87	32.5	24.3	36.5
59	13.0	9.4	14.0





#23

Vinyl Acetate

Concen: 48.191 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 64281

Ion Ratio Lower Upper

43 100

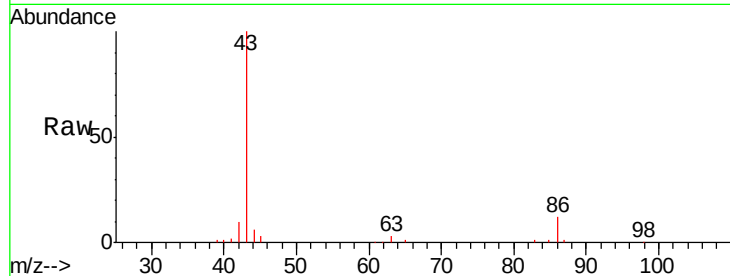
86 12.1 8.6 12.8

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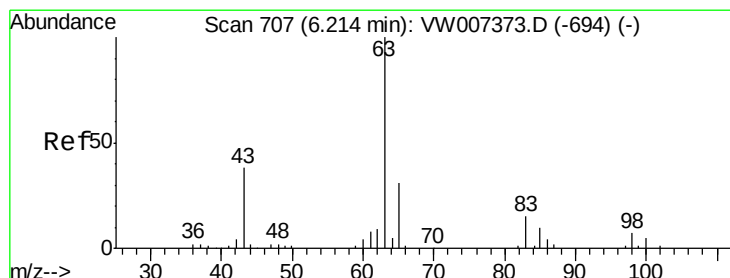
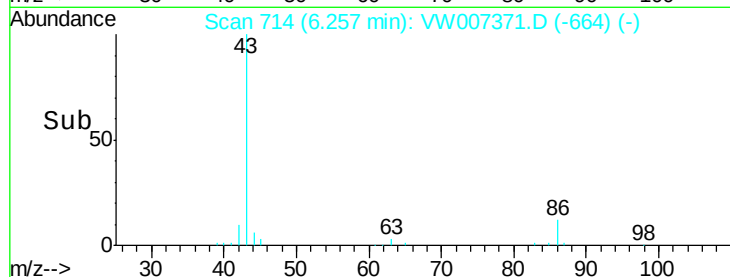
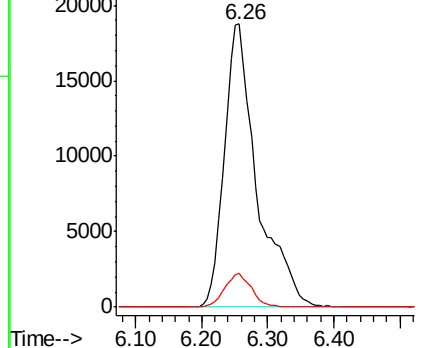
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 10.460 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

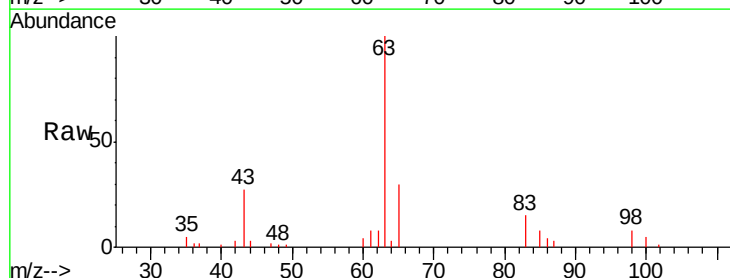
Tgt Ion: 63 Resp: 16859

Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.4

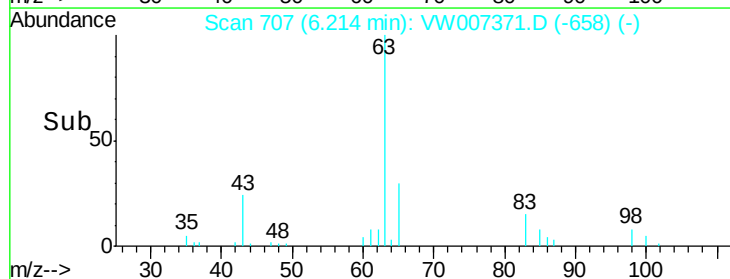
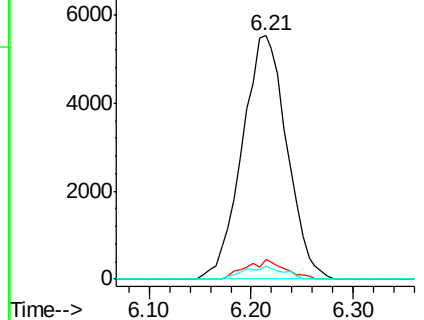
100 5.4 2.5 7.5

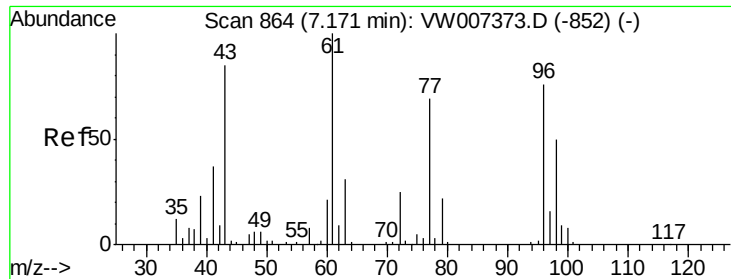


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 48.063 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 10433

Ion Ratio Lower Upper

43 100

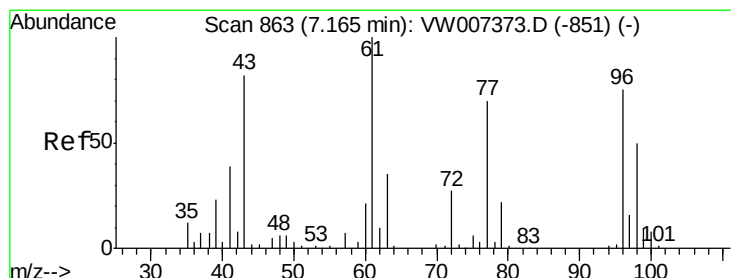
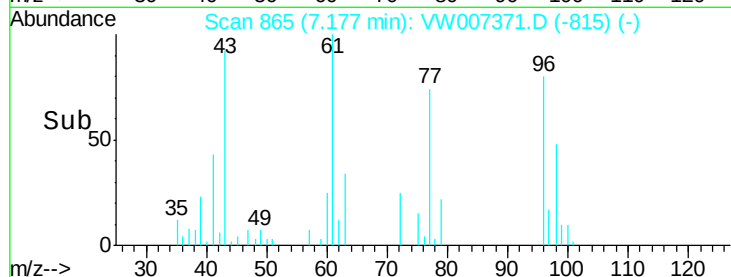
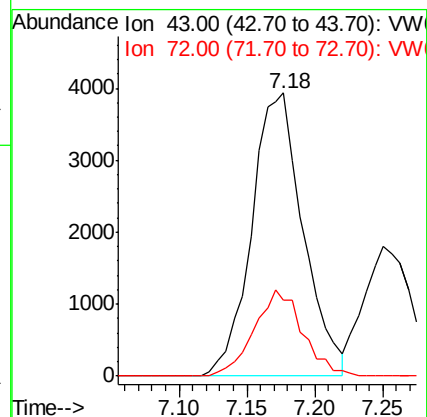
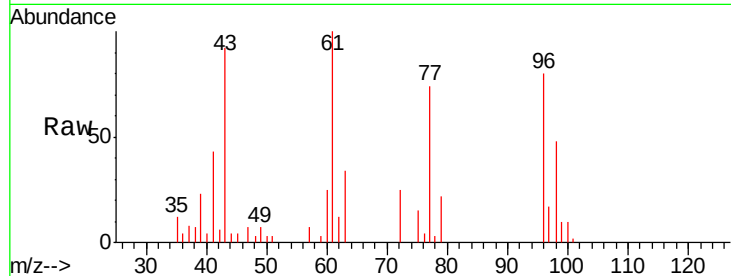
72 26.8 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.696 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007371.D

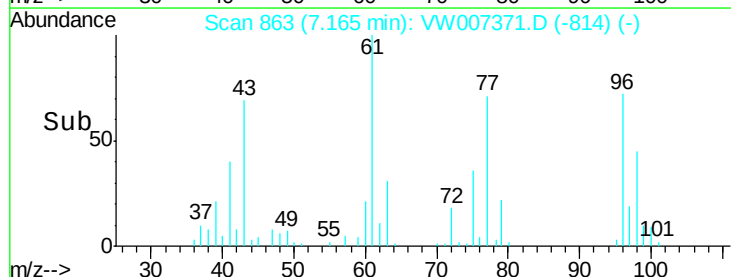
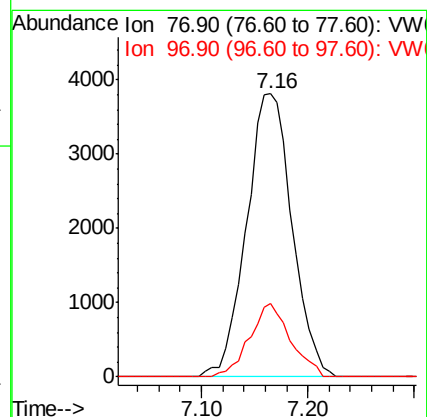
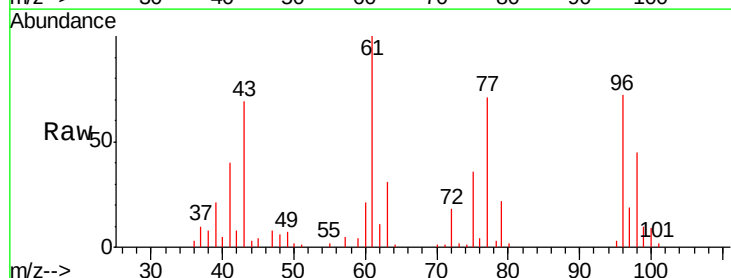
Acq: 10 Dec 2018 23:14

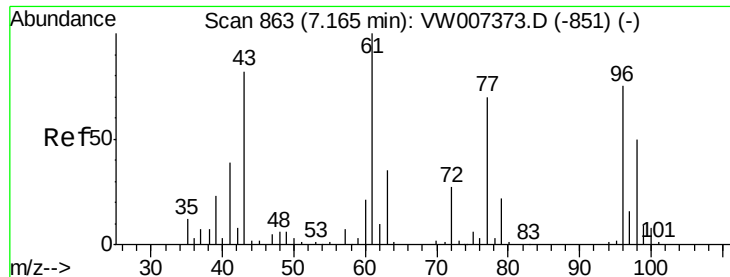
Tgt Ion: 77 Resp: 11409

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8





#27

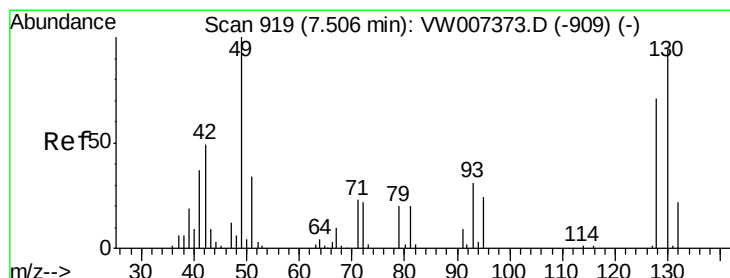
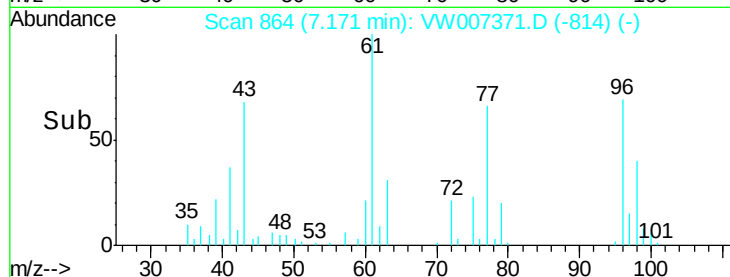
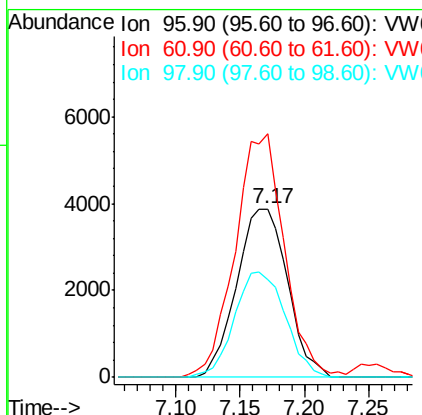
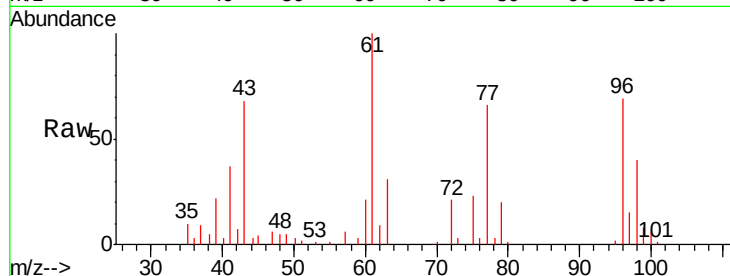
cis-1,2-Dichloroethene
Concen: 10.292 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	268.4
98	62.9	0.0	127.8

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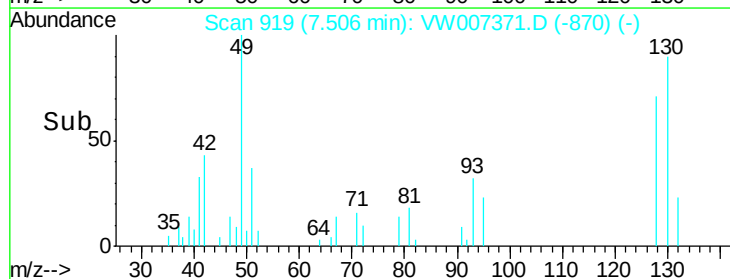
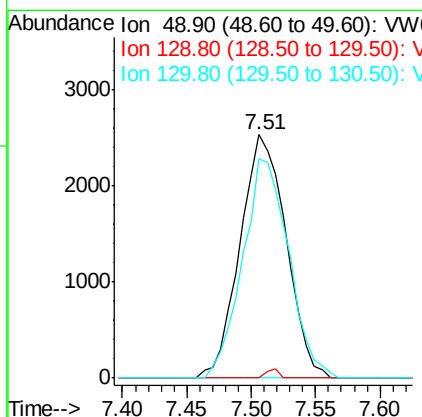
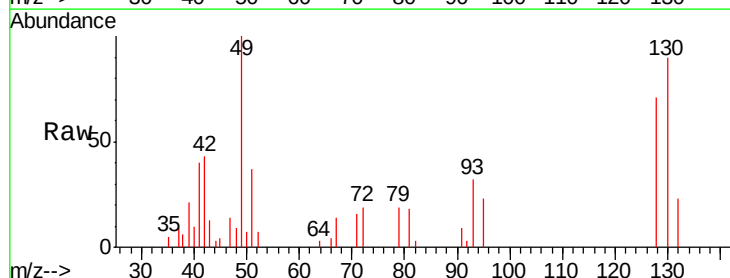
MMDadoda
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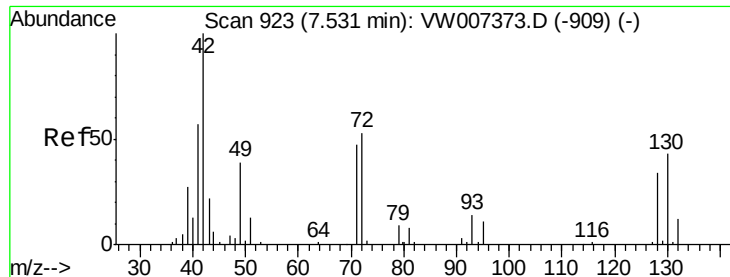


#28

Bromochloromethane
Concen: 10.337 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.6
130	90.2	75.9	113.9





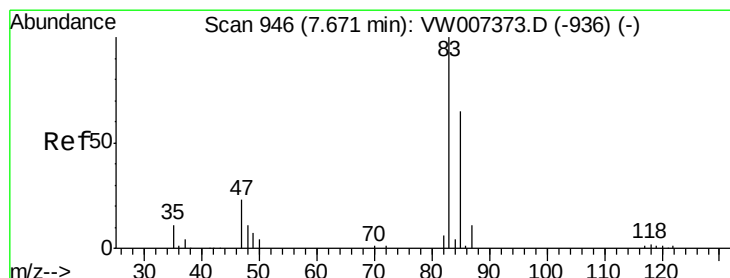
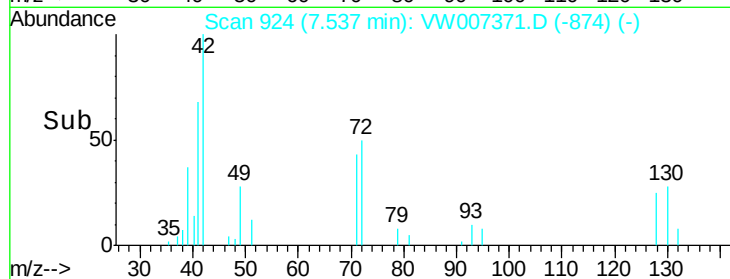
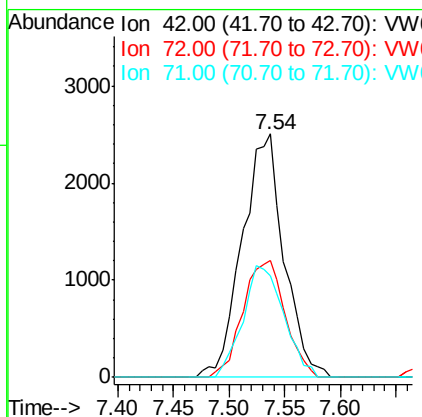
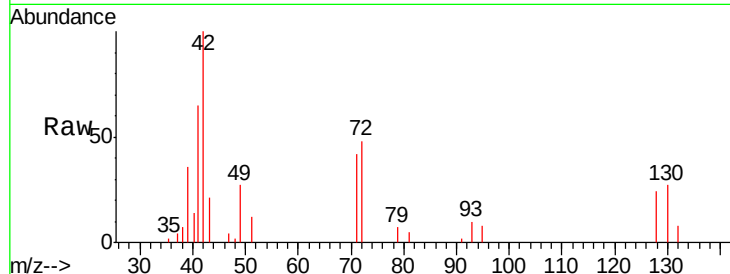
#29
Tetrahydrofuran
Concen: 47.570 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.4	38.2	57.4
71	45.0	35.5	53.3

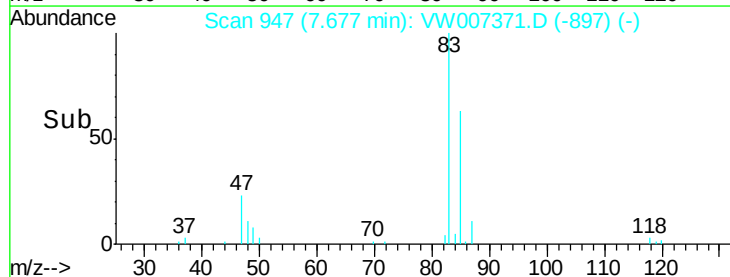
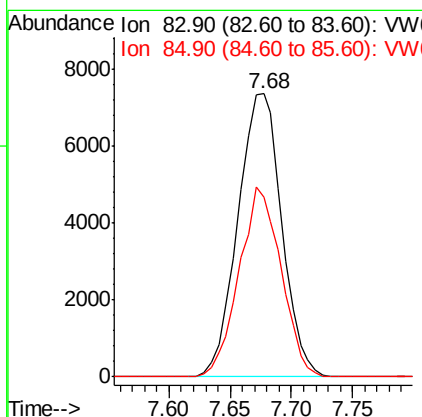
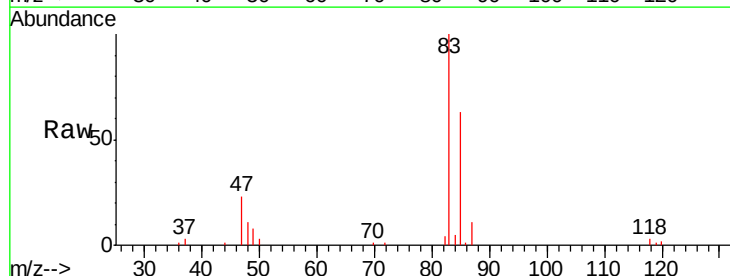
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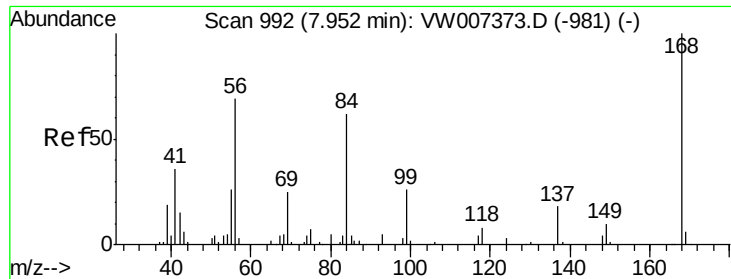
MMDadoda
12/11/2018 4:55:28 PM



#30
Chloroform
Concen: 10.452 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.8





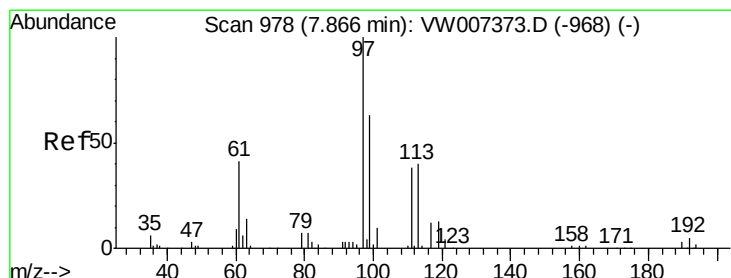
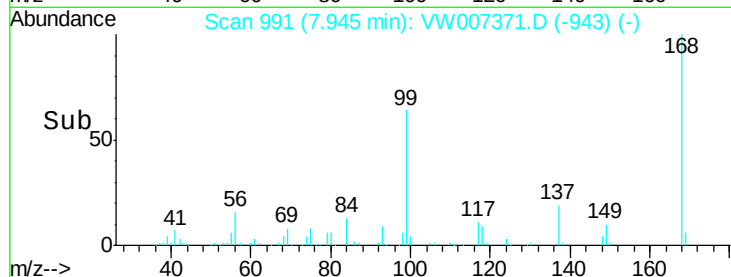
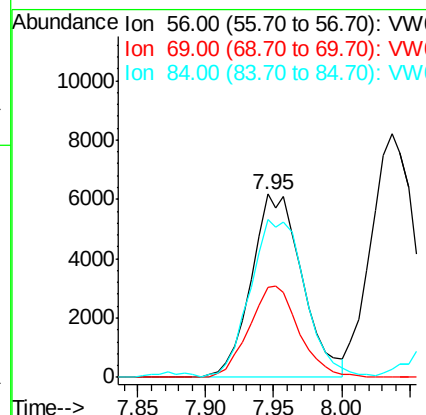
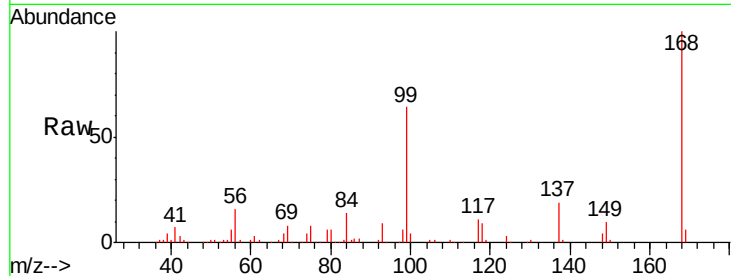
#31
Cyclohexane
Concen: 10.941 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
56	100		
69	49.2	28.9	43.3#
84	85.1	71.8	107.6

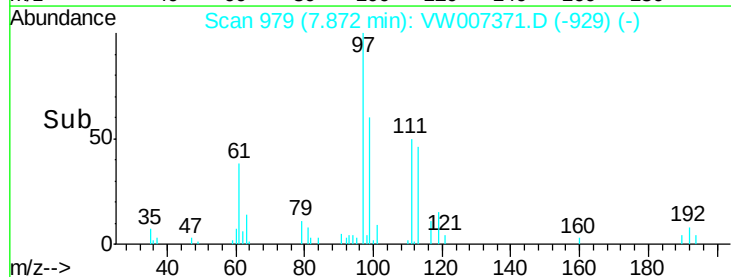
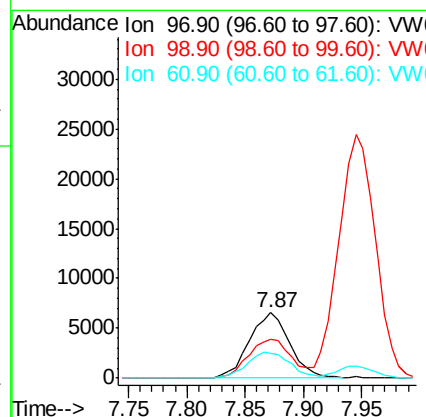
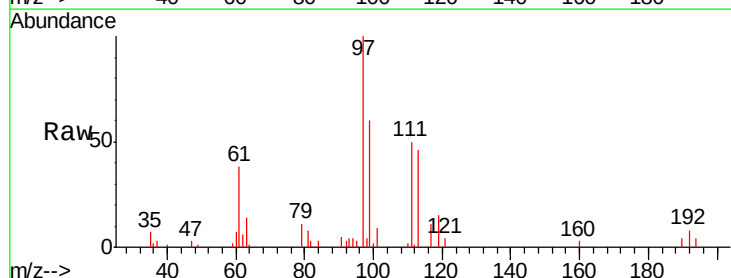
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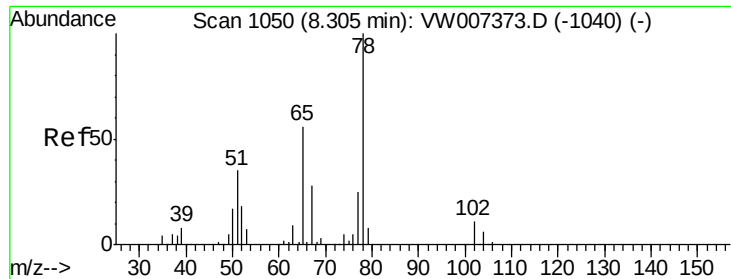
MMDadoda
12/11/2018 4:55:28 PM



#32
1,1,1-Trichloroethane
Concen: 10.314 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.1	76.7
61	42.1	33.2	49.8





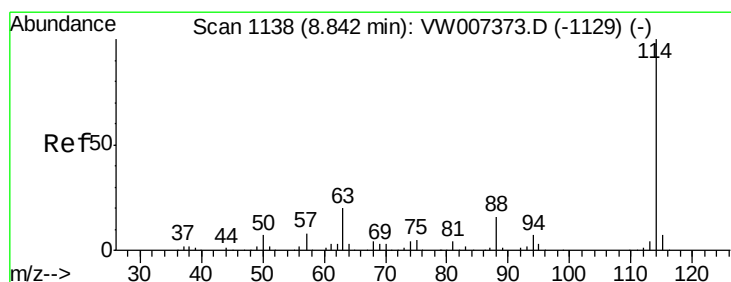
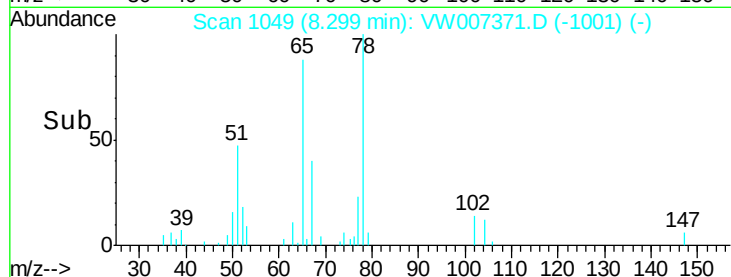
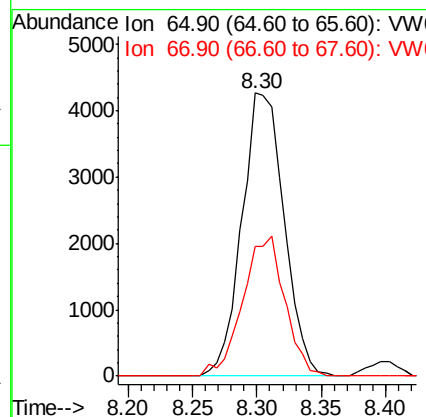
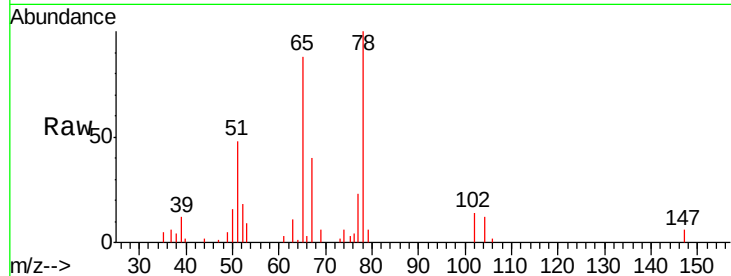
#33
 1,2-Dichloroethane-d4
 Concen: 10.179 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	9690		
67	49.1	0.0	101.6	

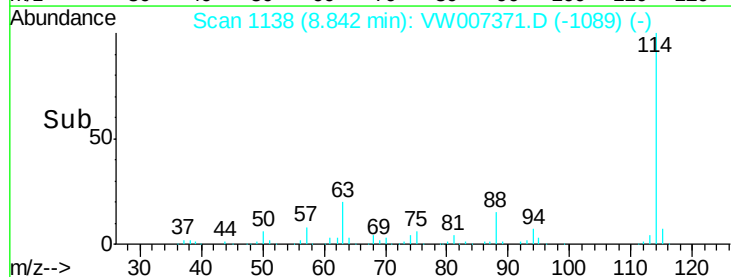
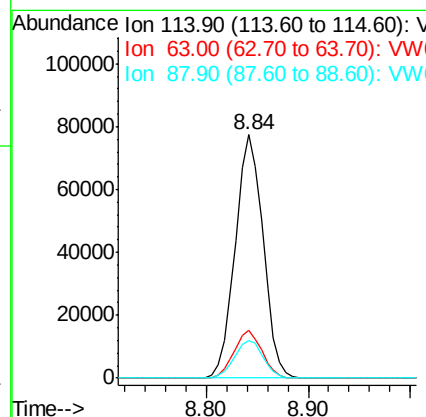
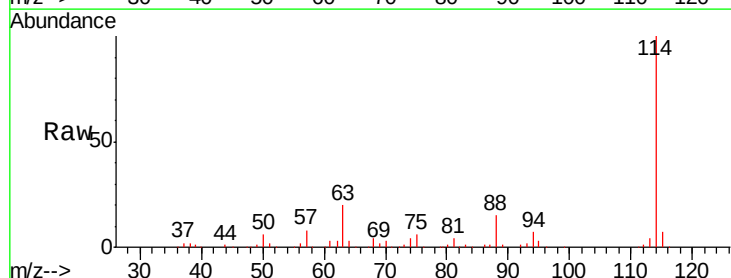
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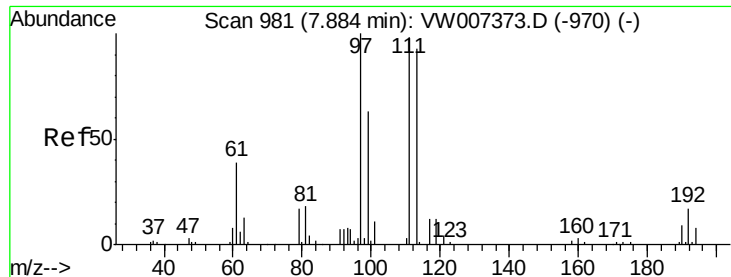
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	146124		
63	19.6	0.0	39.6	
88	15.5	0.0	31.4	





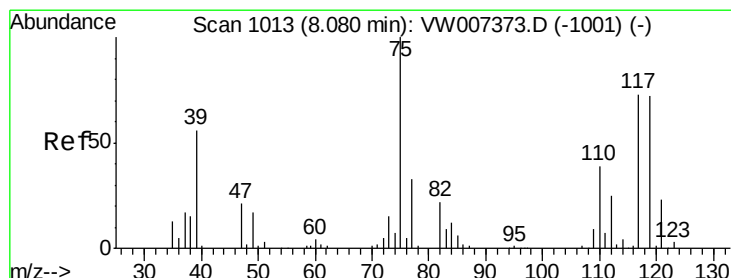
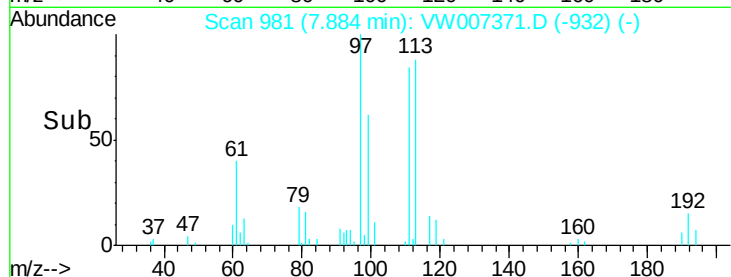
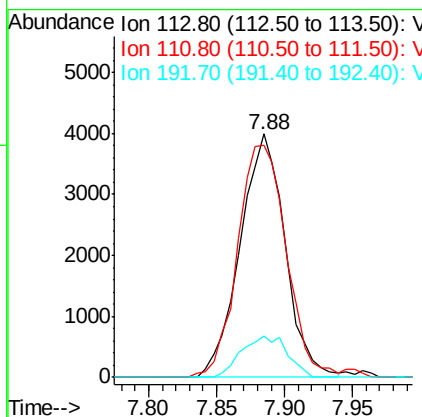
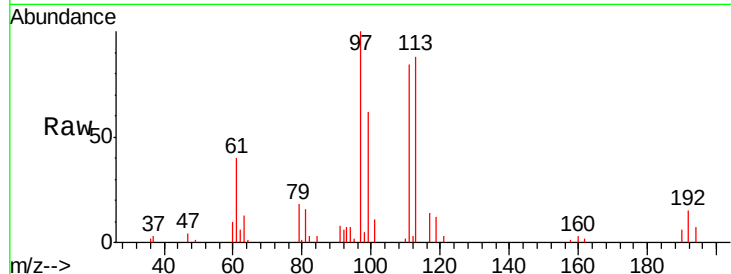
#35
 Dibromofluoromethane
 Concen: 10.432 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	9228		
111	103.2	81.1	121.7	
192	17.2	14.6	21.8	

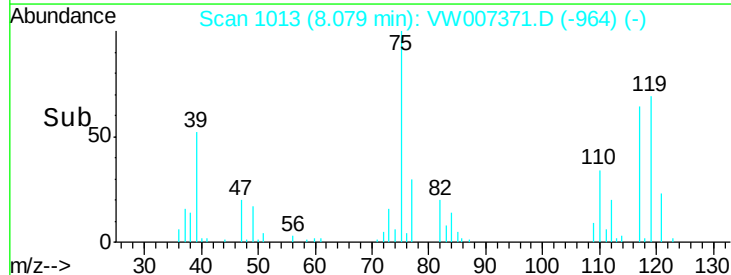
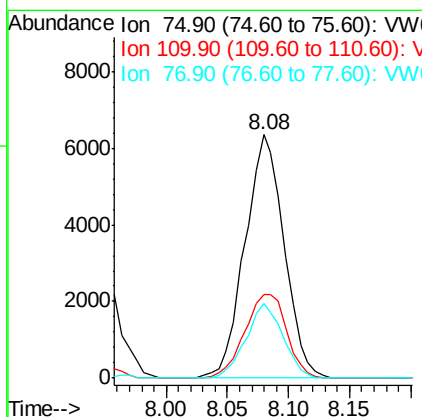
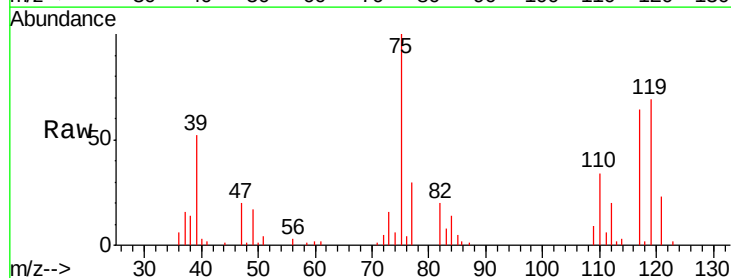
Manual Integrations
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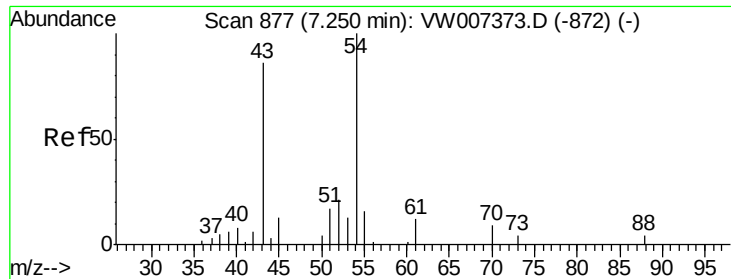
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 10.595 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14123		
110	36.9	18.5	55.5	
77	29.0	25.6	38.4	





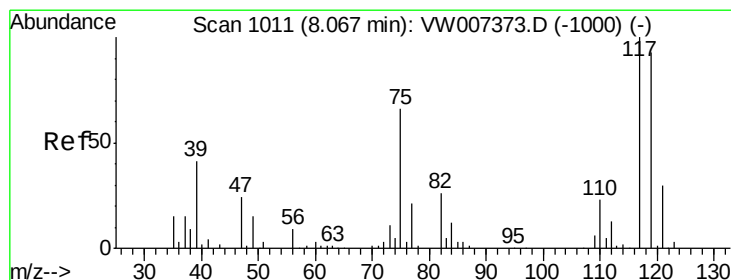
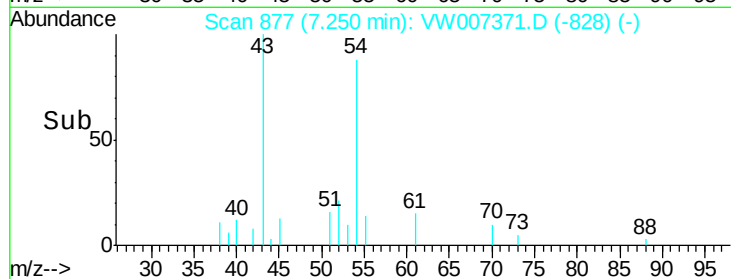
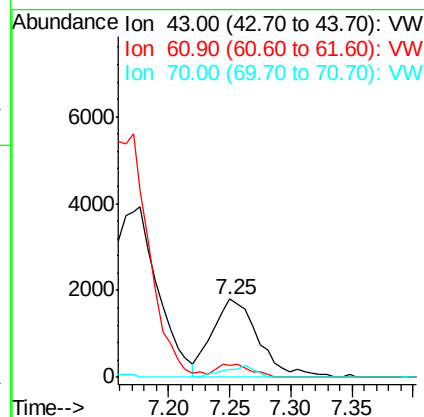
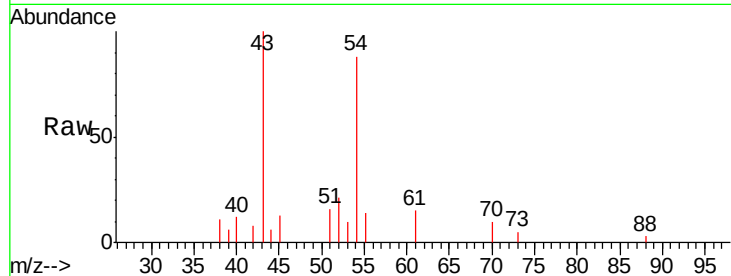
#37
Ethyl Acetate
Concen: 9.623 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.5	12.1	18.1
70	10.0	10.0	15.0

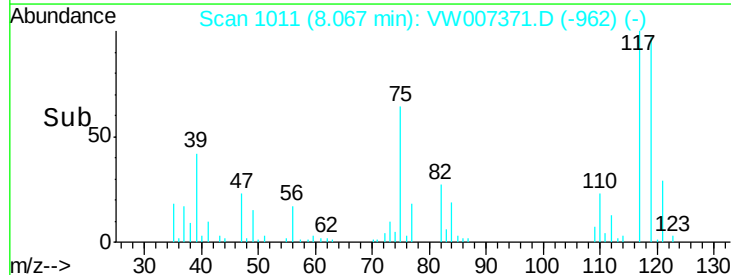
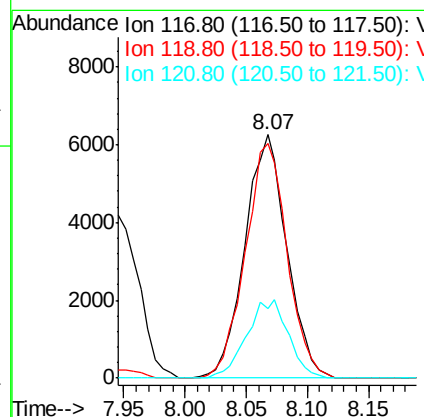
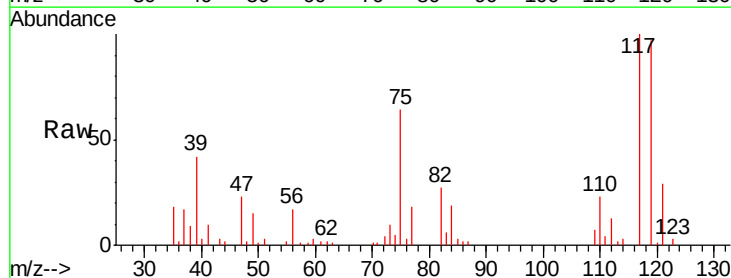
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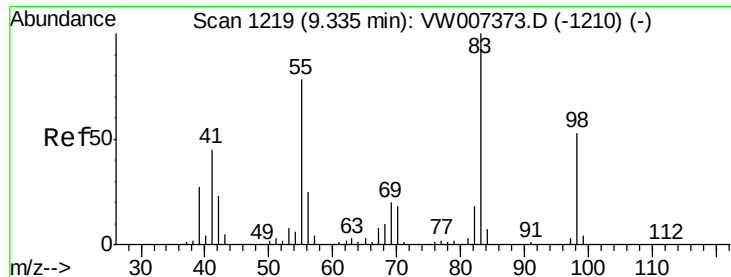
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#38
Carbon Tetrachloride
Concen: 10.274 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.3	111.5
121	28.6	24.3	36.5





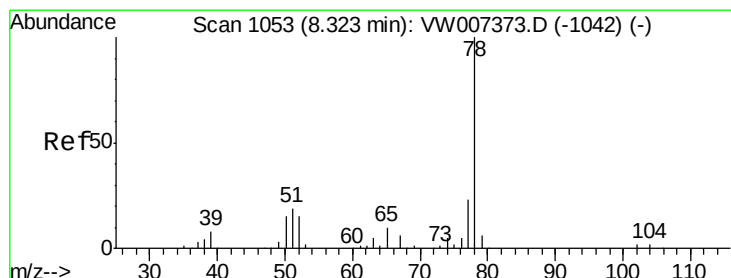
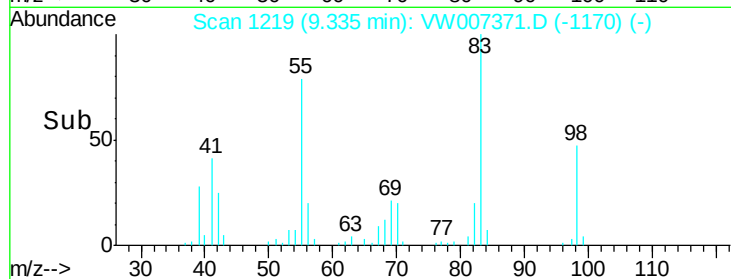
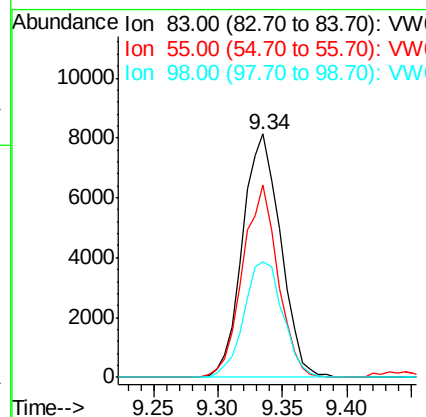
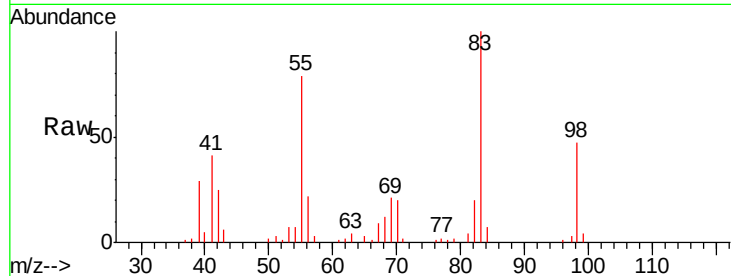
#39
Methylcyclohexane
Concen: 10.276 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.9	62.8	94.2
98	47.4	42.2	63.2

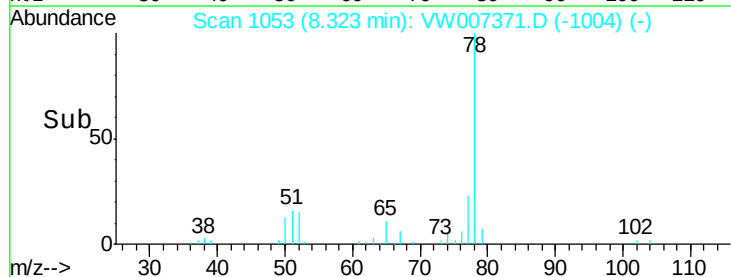
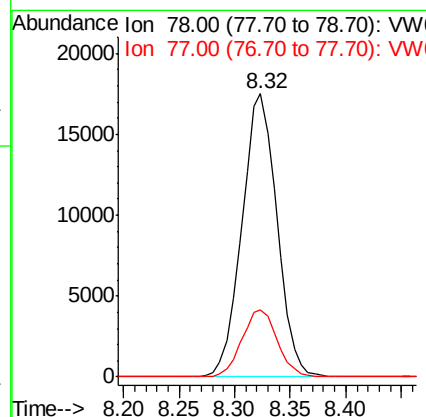
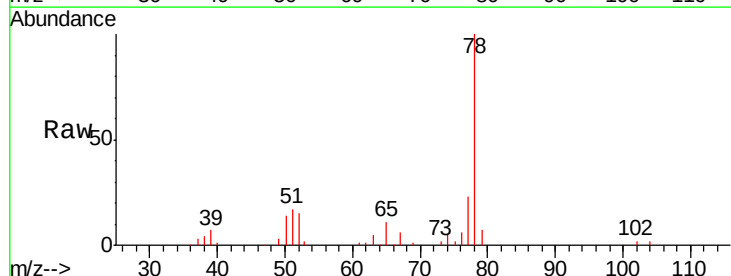
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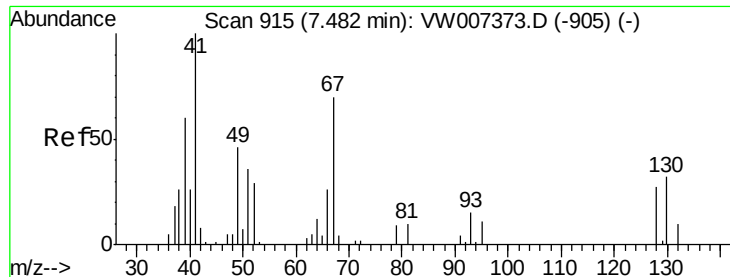
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#40
Benzene
Concen: 10.342 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





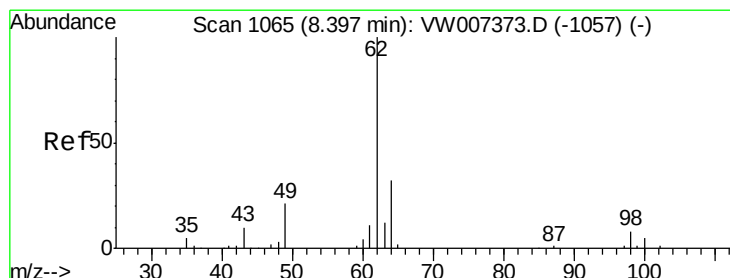
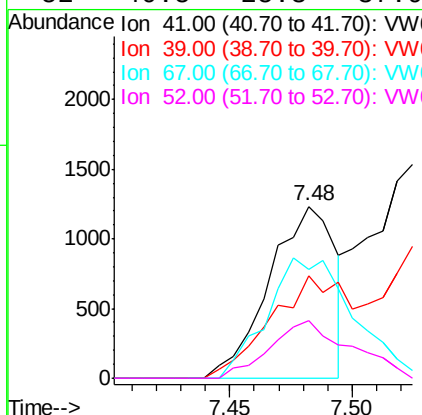
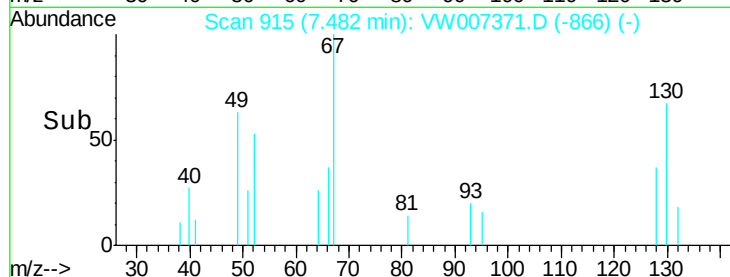
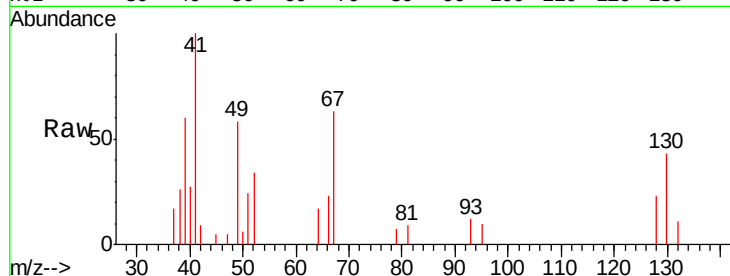
#41
Methacrylonitrile
Concen: 8.232 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:	41	Resp:	2324
Ion	Ratio	Lower	Upper
41	100		
39	68.6	52.2	78.2
67	91.4	60.5	90.7#
52	40.5	25.3	37.9#

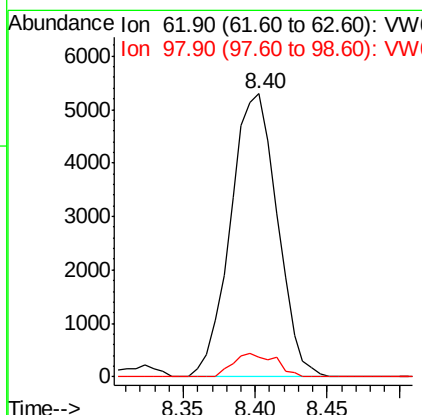
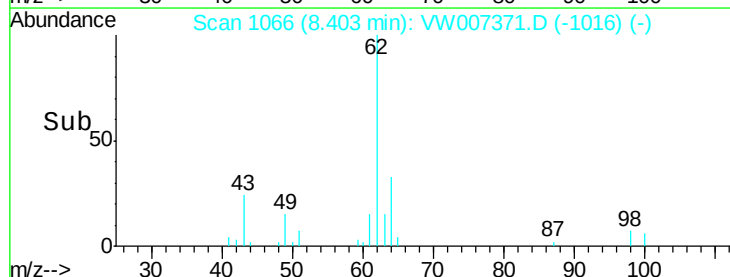
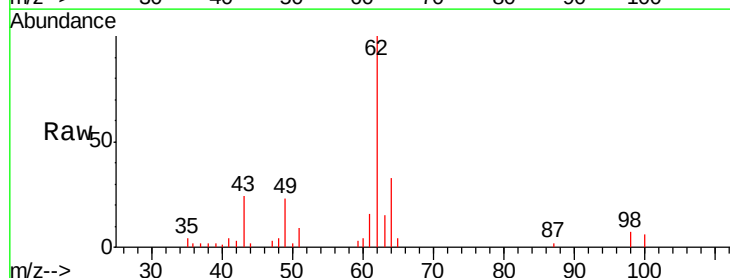
Manual Integrations
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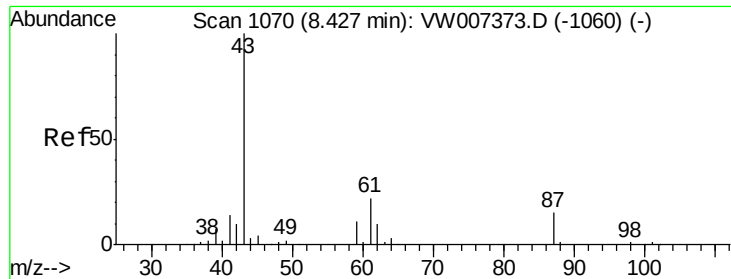
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#42
1,2-Dichloroethane
Concen: 10.284 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion:	62	Resp:	11950
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 9.682 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

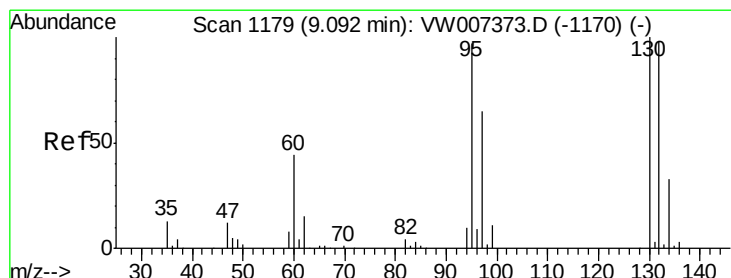
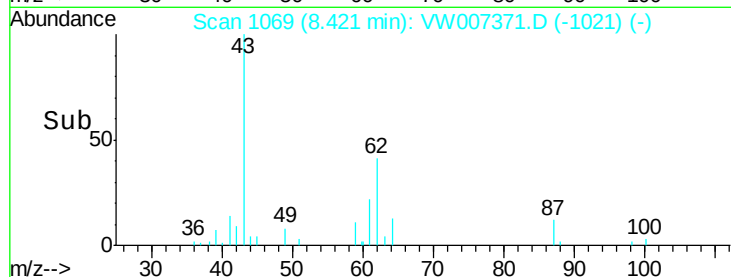
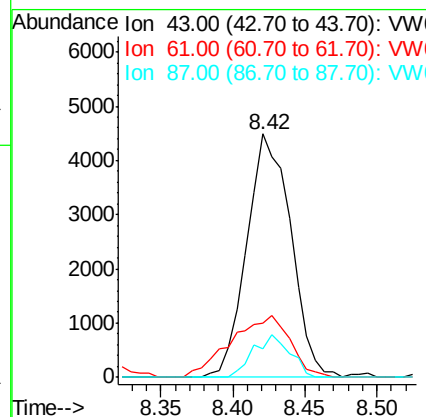
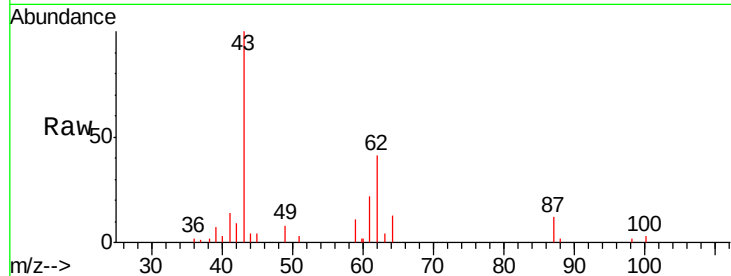
ClientSampleId :

VSTDIC010

Tgt Ion:	43	Resp:	9482
Ion	Ratio	Lower	Upper
43	100		
61	34.3	25.3	37.9
87	14.6	11.8	17.8

Manual Integrations
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#44

Trichloroethene

Concen: 10.440 ug/l

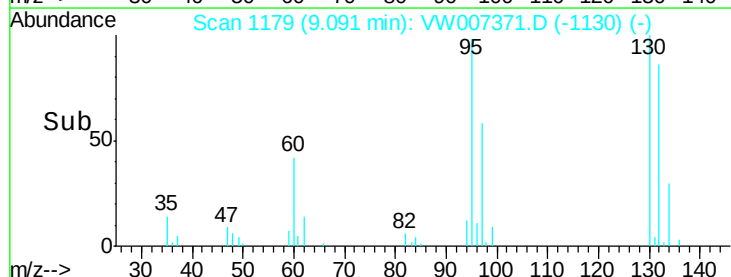
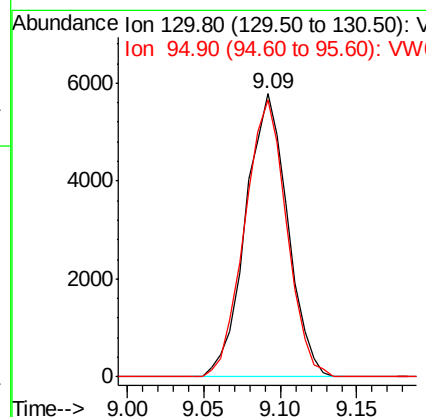
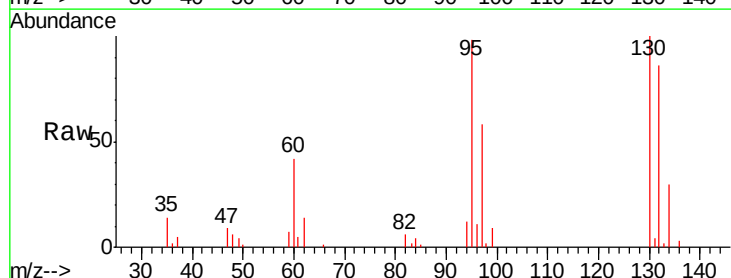
RT: 9.09 min Scan# 1179

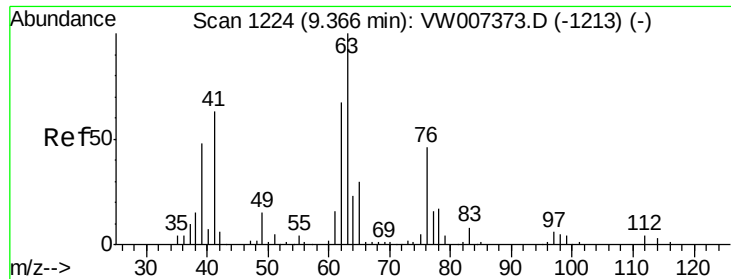
Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Tgt Ion:	130	Resp:	11028
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	193.2





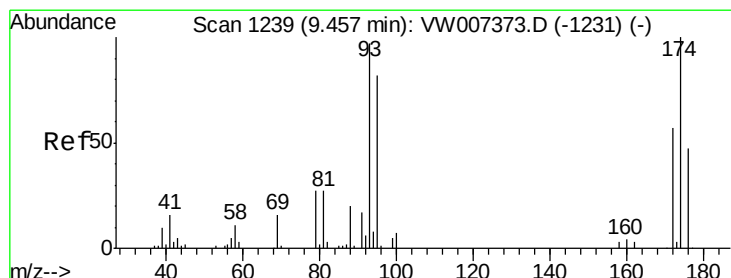
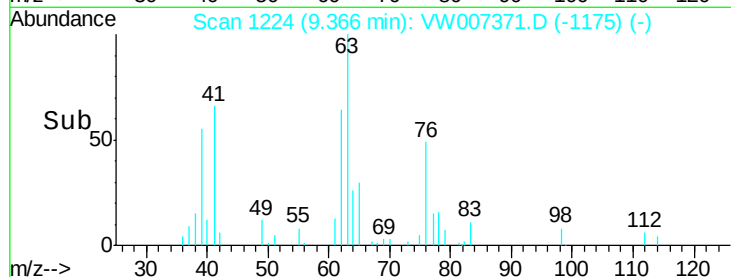
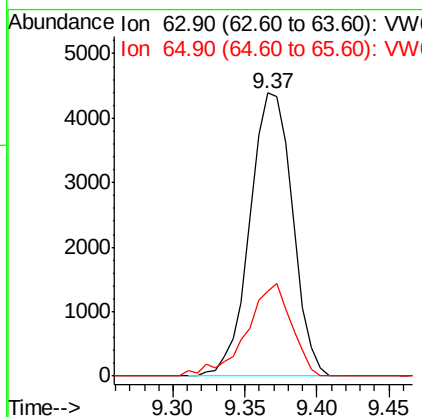
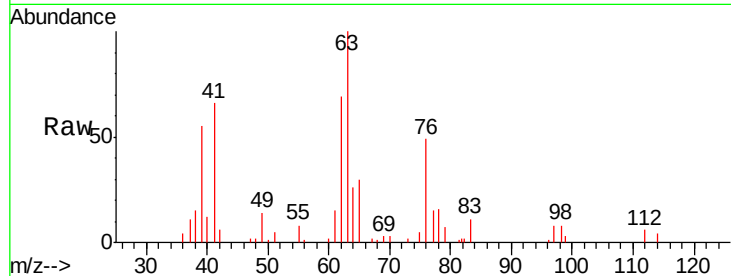
#45
 1,2-Dichloropropane
 Concen: 10.505 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion: 63 Resp: 8993
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.4 36.6

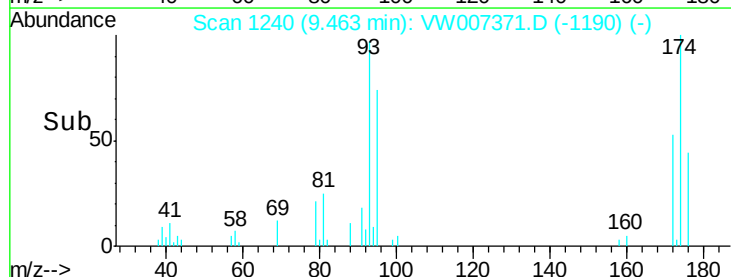
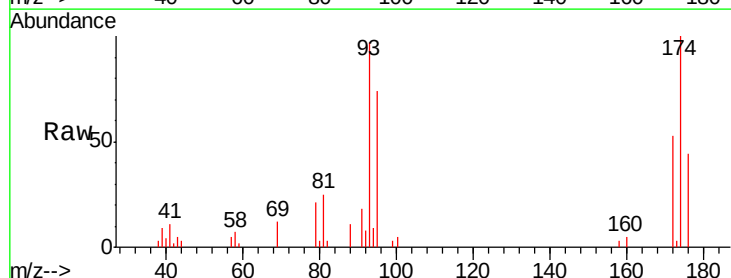
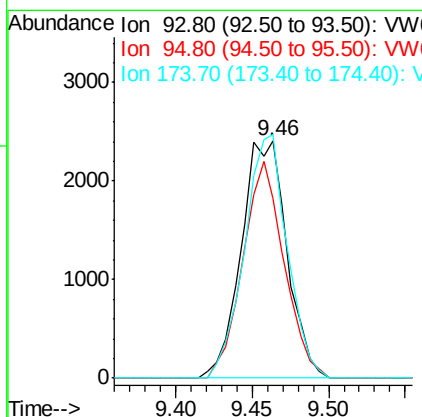
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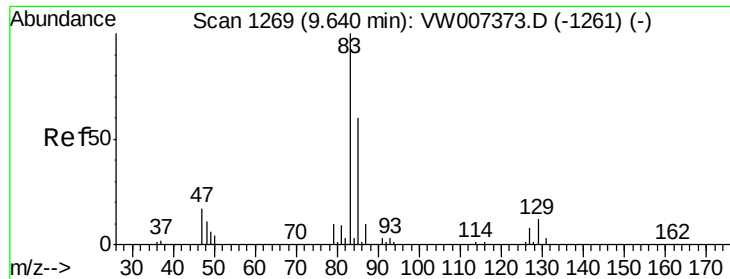
MMDadoda
 12/11/2018 4:55:28 PM



#46
 Dibromomethane
 Concen: 10.291 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Tgt Ion: 93 Resp: 5003
 Ion Ratio Lower Upper
 93 100
 95 82.3 68.0 102.0
 174 95.8 83.2 124.8





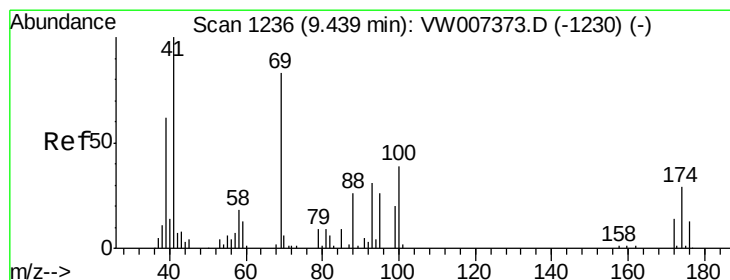
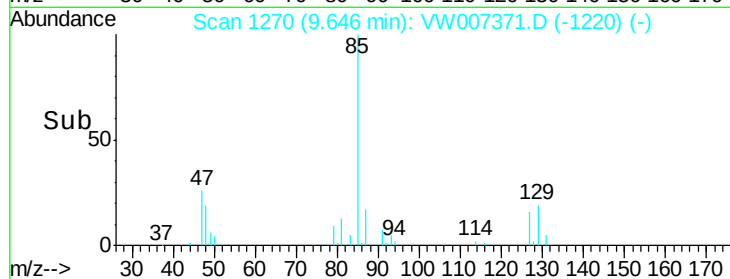
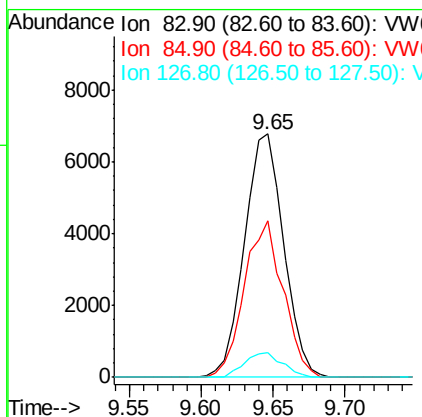
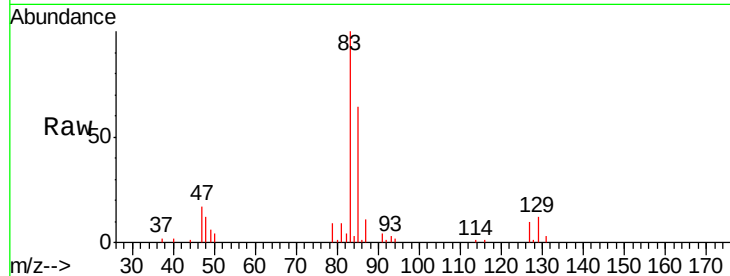
#47
 Bromodichloromethane
 Concen: 10.023 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	47.6	71.4
127	10.4	6.7	10.1

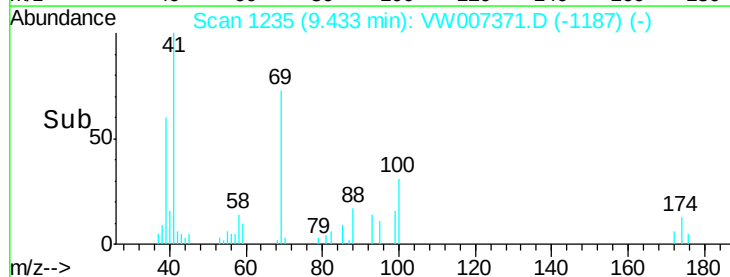
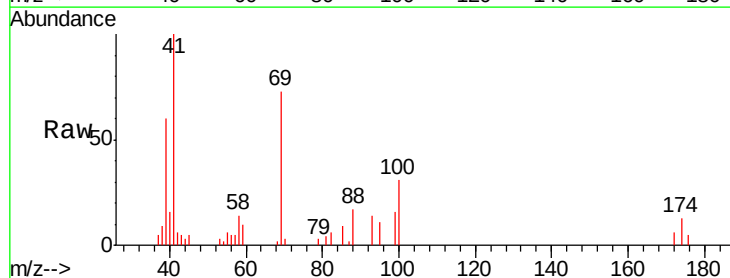
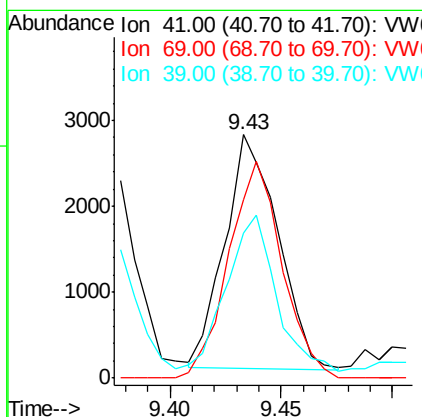
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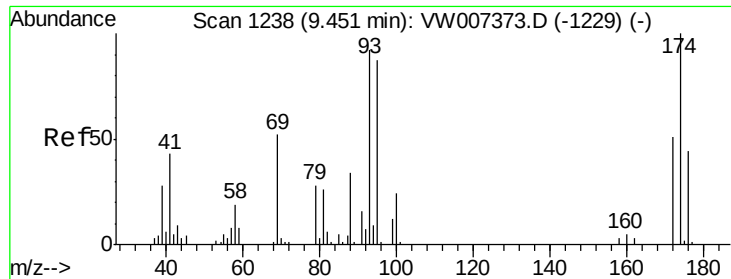
MMDadoda
 12/11/2018 4:55:28 PM



#48
 Methyl methacrylate
 Concen: 9.038 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.5	69.8	104.8
39	71.8	50.9	76.3





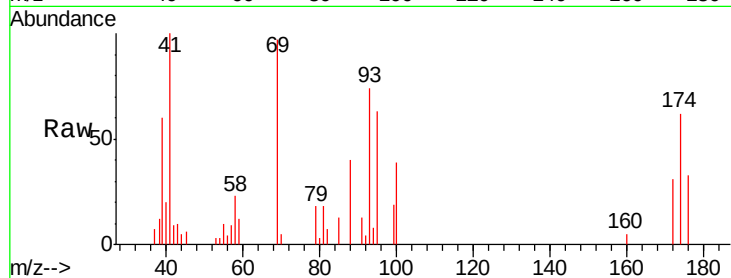
#49
1,4-Dioxane
Concen: 184.838 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

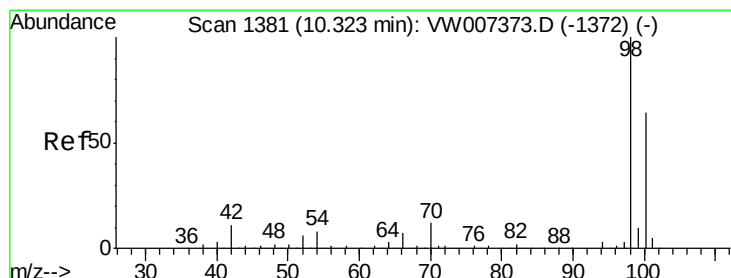
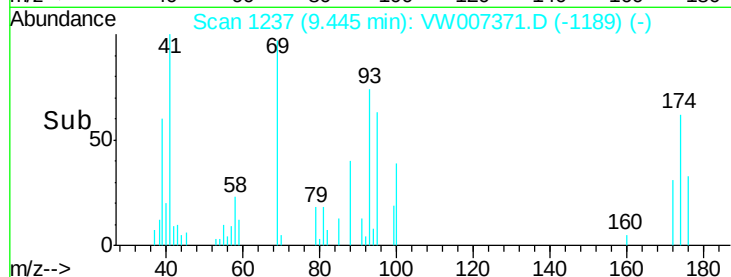
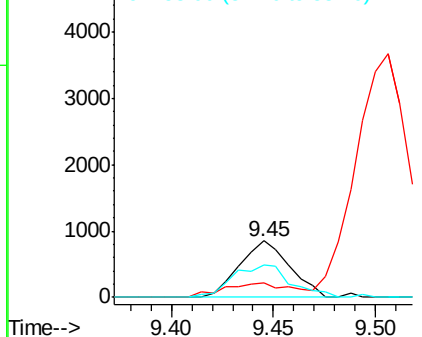
Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.0	37.4
58	65.5	51.4	77.2

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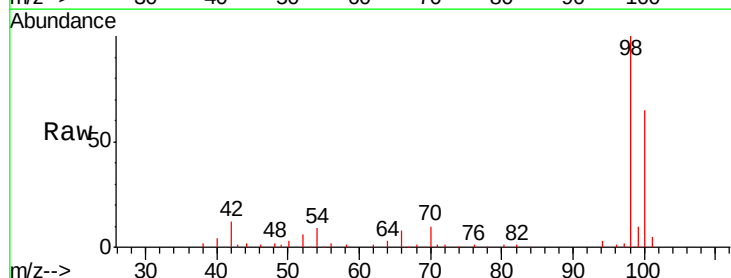


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

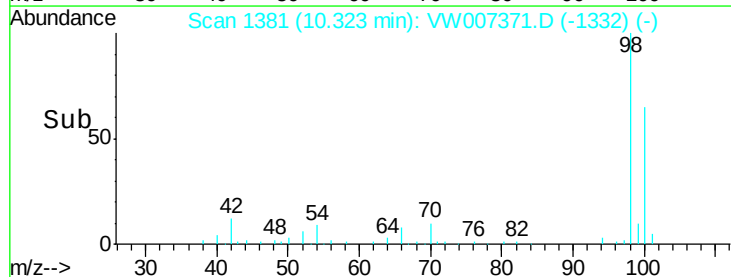
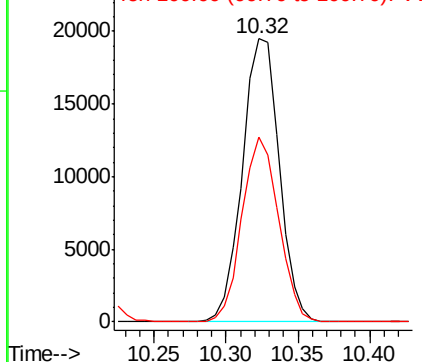


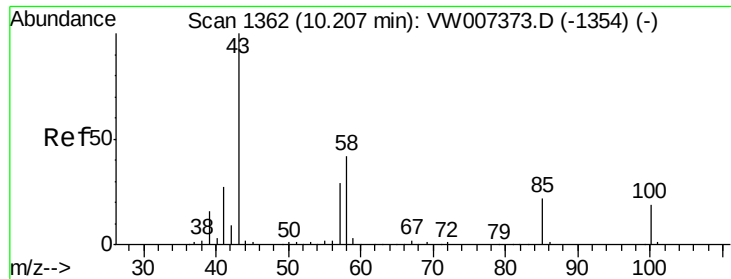
#50
Toluene-d8
Concen: 10.456 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	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: 46.042 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 21305

Ion Ratio Lower Upper

43 100

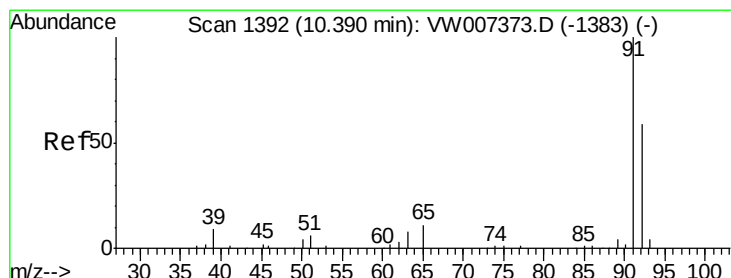
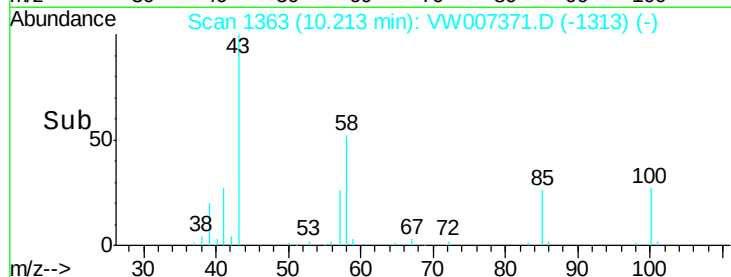
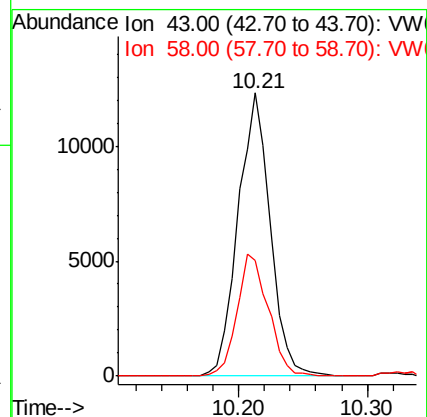
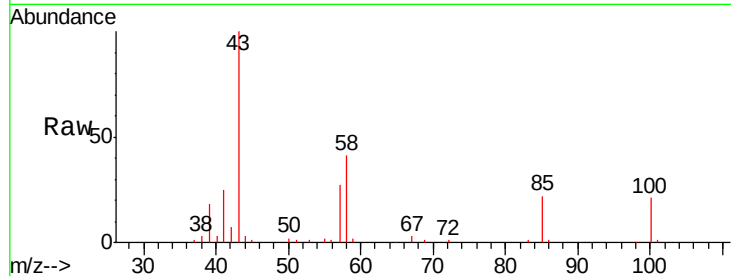
58 41.8 33.1 49.7

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#52

Toluene

Concen: 10.274 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007371.D

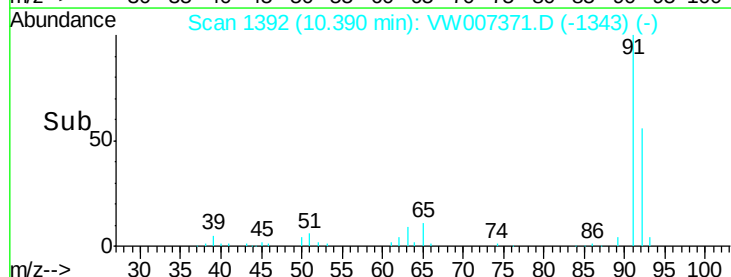
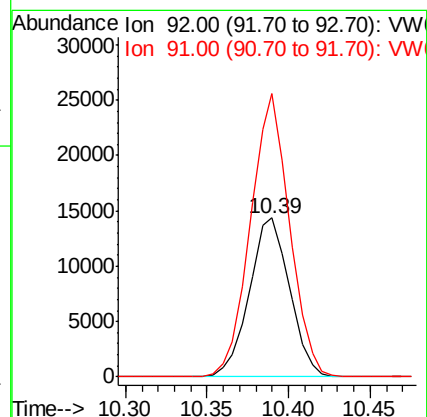
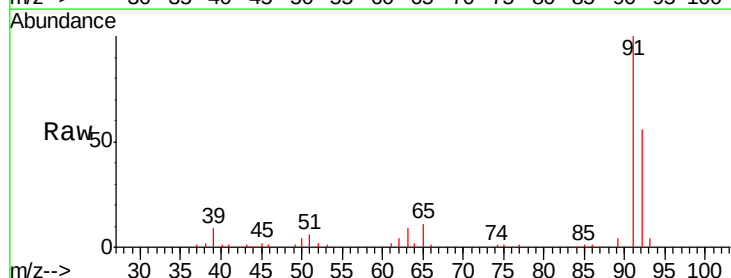
Acq: 10 Dec 2018 23:14

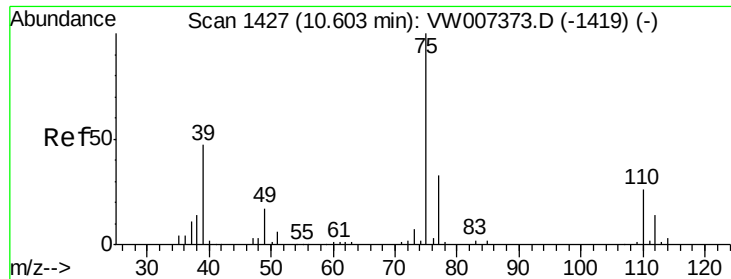
Tgt Ion: 92 Resp: 24596

Ion Ratio Lower Upper

92 100

91 173.1 136.2 204.2





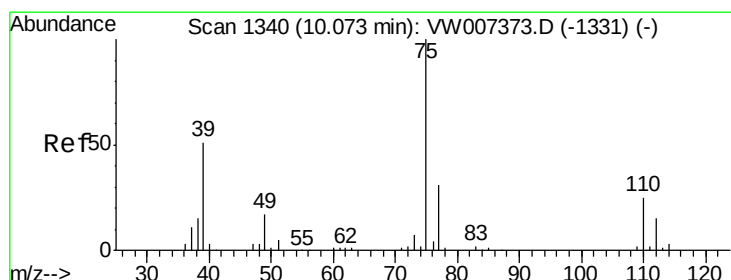
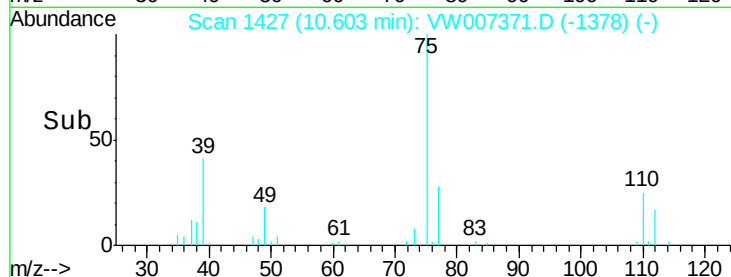
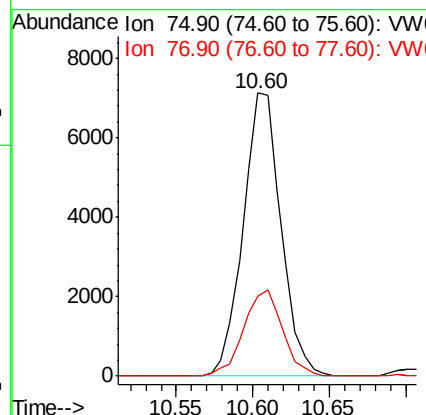
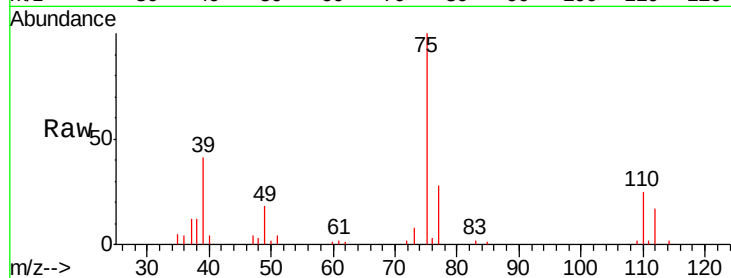
#53
t-1,3-Dichloropropene
Concen: 9.895 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 75 Resp: 12250
Ion Ratio Lower Upper
75 100
77 28.2 26.2 39.4

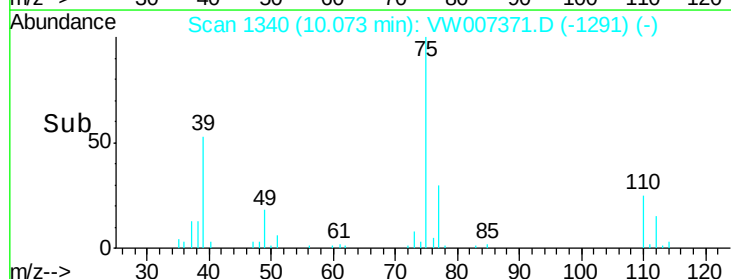
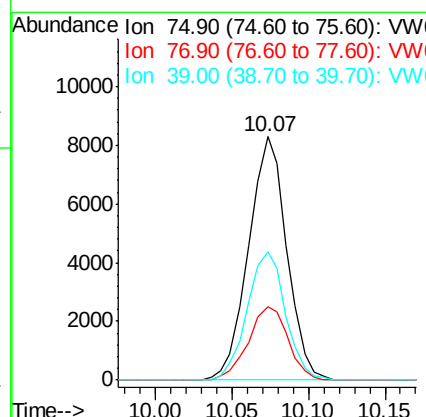
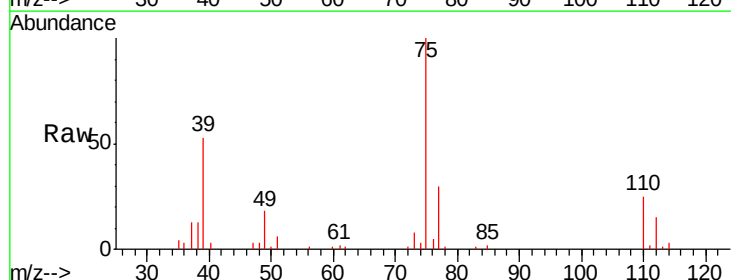
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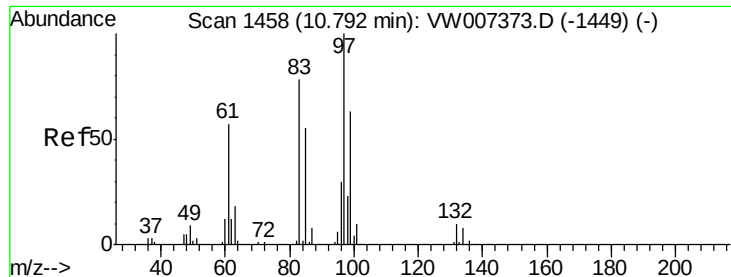
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#54
cis-1,3-Dichloropropene
Concen: 10.030 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 75 Resp: 14354
Ion Ratio Lower Upper
75 100
77 29.9 24.8 37.2
39 52.9 40.9 61.3





#55

1,1,2-Trichloroethane

Concen: 10.176 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

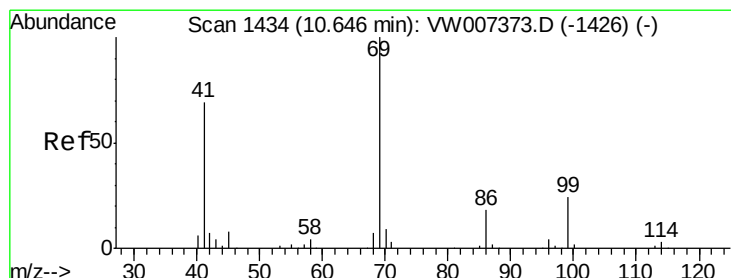
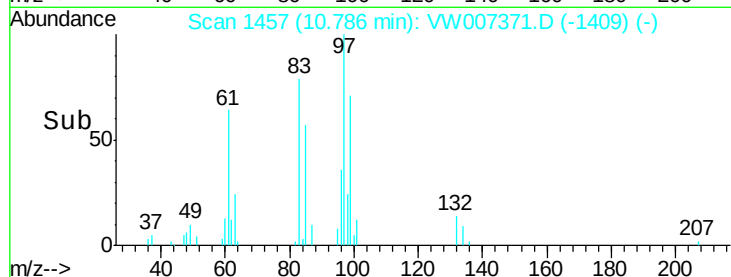
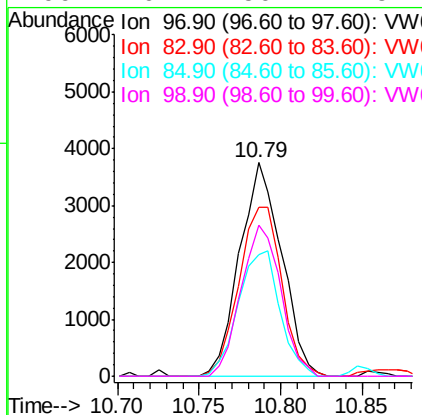
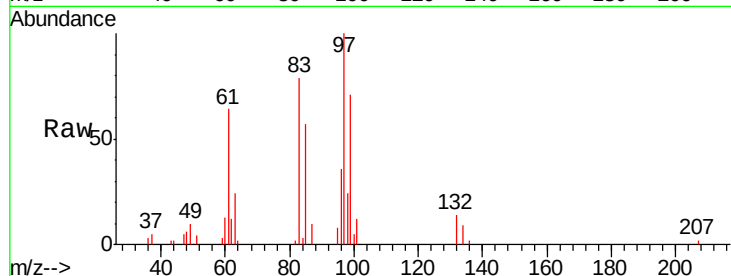
ClientSampleId :

VSTDIC010

Tgt Ion:	97	Resp:	6733
Ion	Ratio	Lower	Upper
97	100		
83	79.3	62.1	93.1
85	56.7	44.2	66.4
99	70.7	50.2	75.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 9.134 ug/l

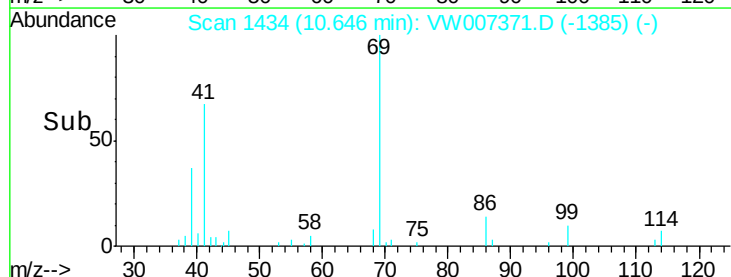
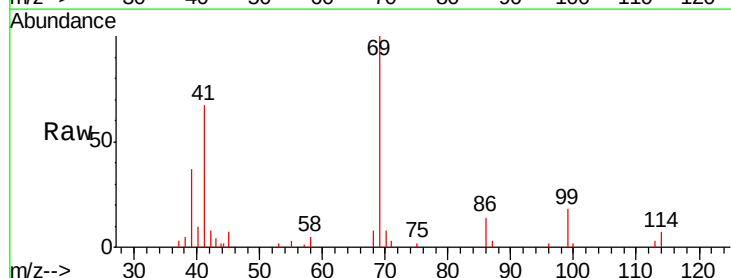
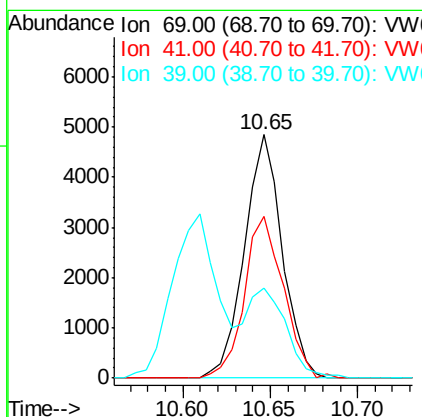
RT: 10.65 min Scan# 1434

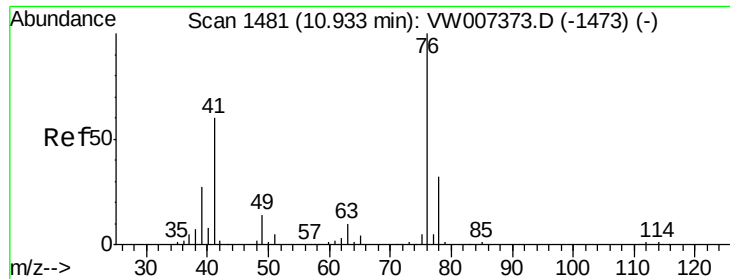
Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Tgt Ion:	69	Resp:	7264
Ion	Ratio	Lower	Upper
69	100		
41	68.5	51.0	76.6
39	40.8	30.8	46.2





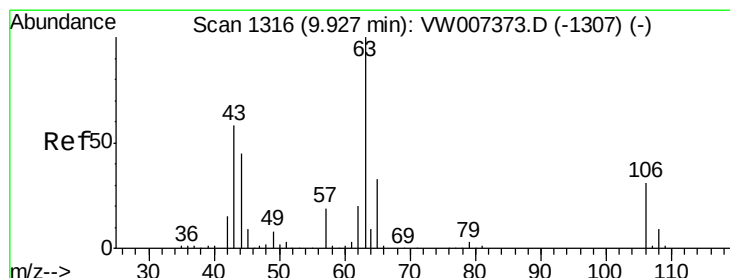
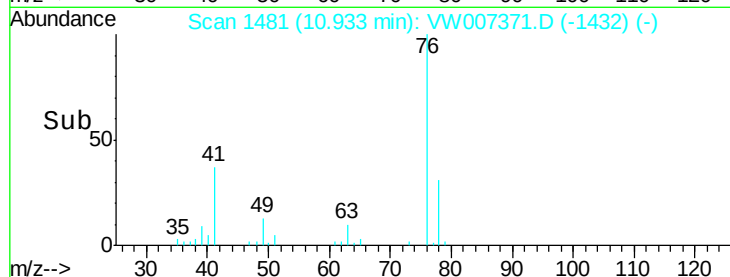
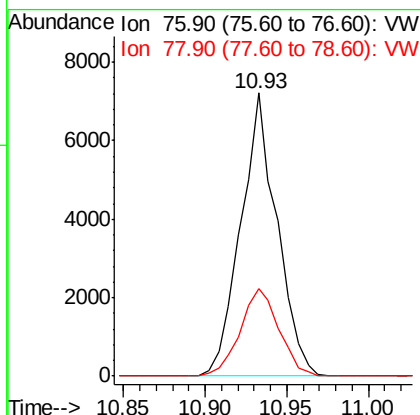
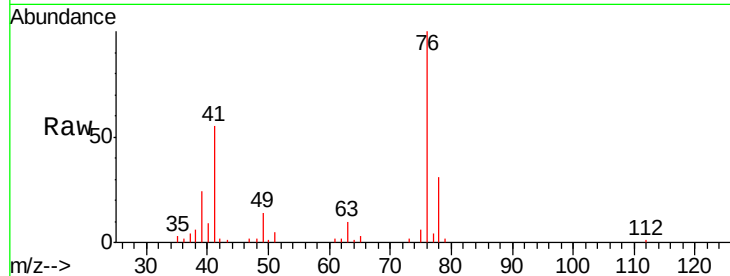
#57
 1,3-Dichloropropane
 Concen: 10.262 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion: 76 Resp: 11144
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.4

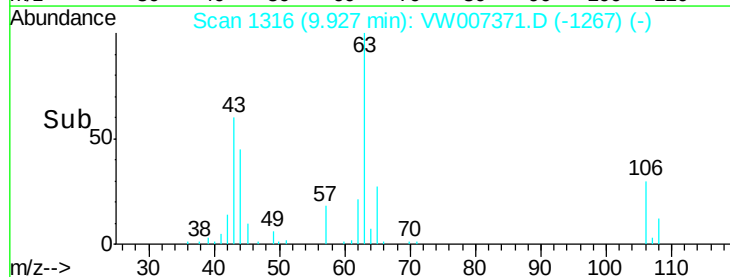
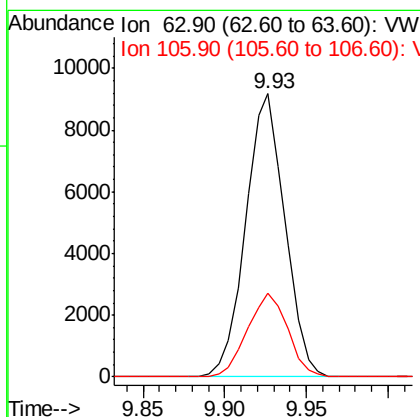
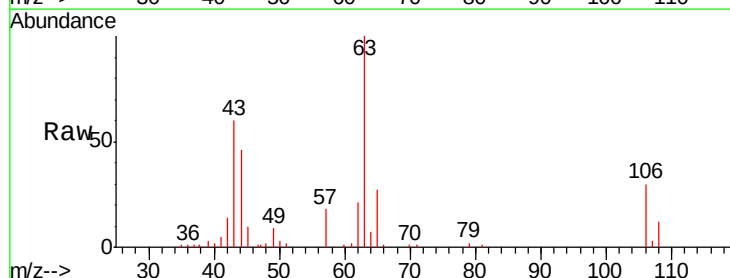
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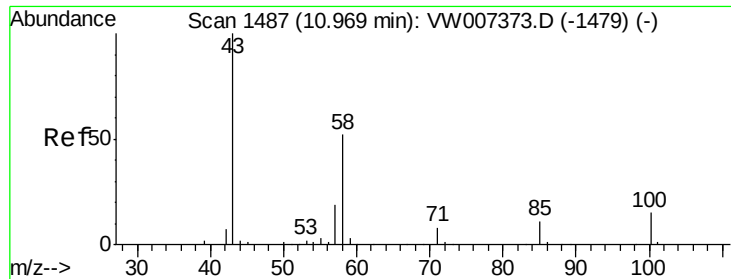
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#58
 2-Chloroethyl Vinyl ether
 Concen: 41.662 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Tgt Ion: 63 Resp: 15279
 Ion Ratio Lower Upper
 63 100
 106 30.3 25.0 37.6





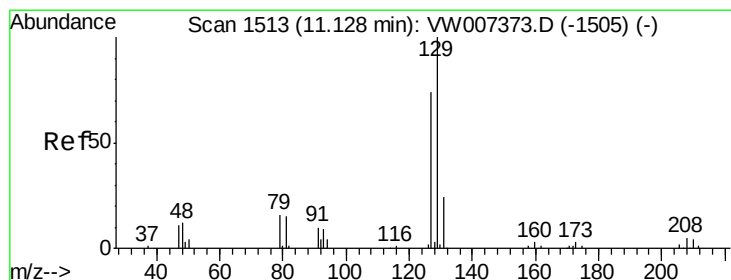
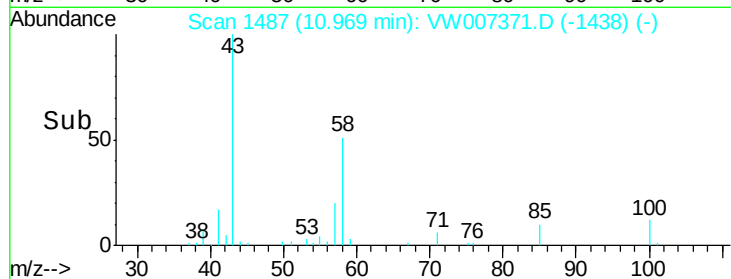
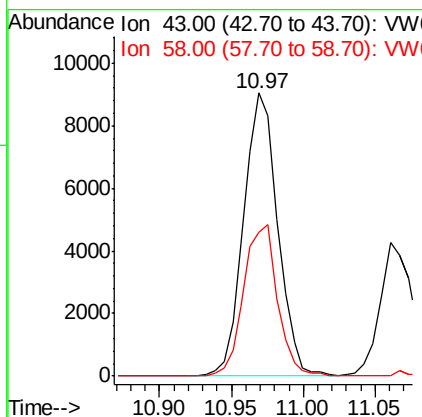
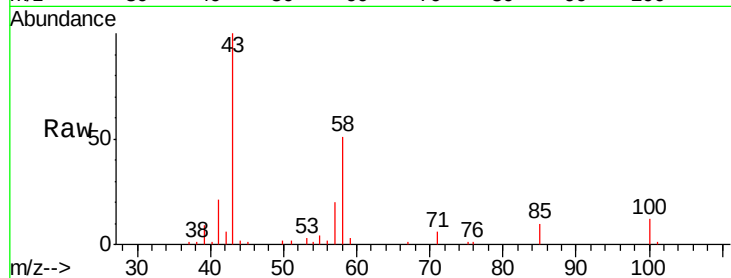
#59
2-Hexanone
Concen: 48.115 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 14846
Ion Ratio Lower Upper
43 100
58 52.9 27.1 81.3

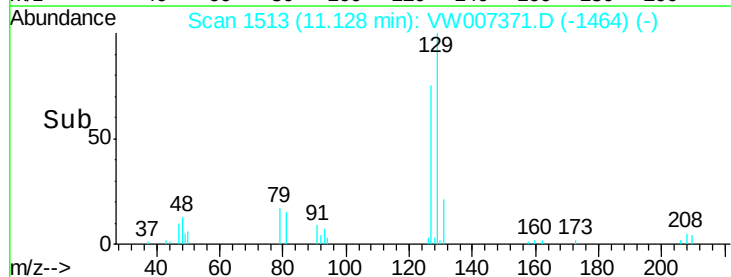
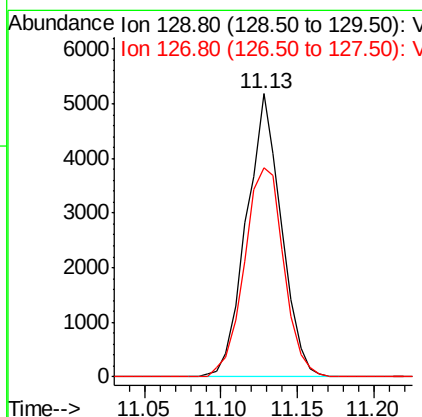
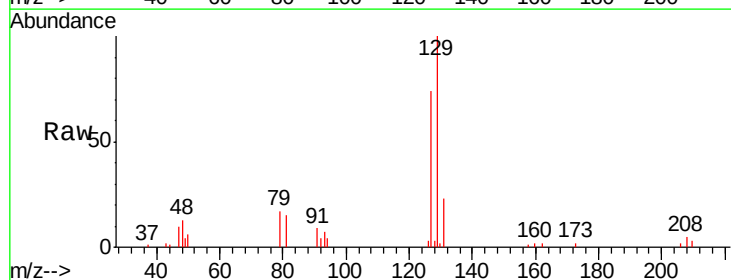
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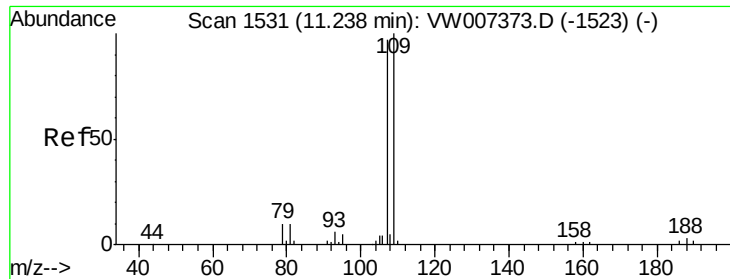
MMDadoda
12/11/2018 4:55:28 PM



#60
Dibromochloromethane
Concen: 9.882 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 129 Resp: 8251
Ion Ratio Lower Upper
129 100
127 83.0 38.1 114.3





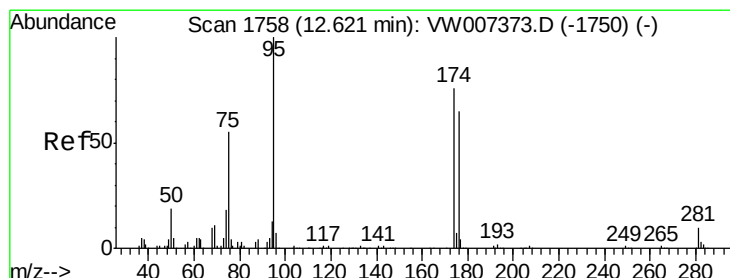
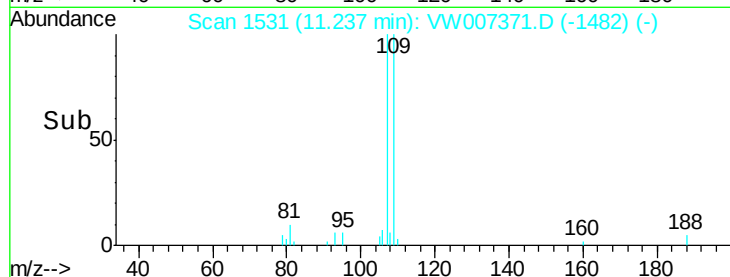
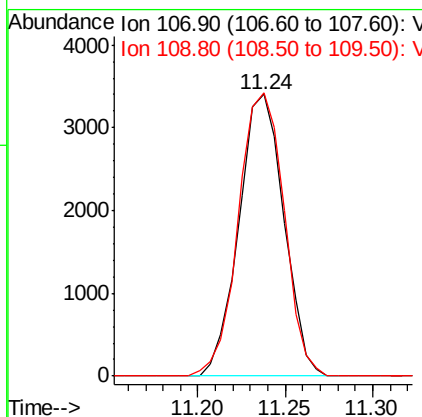
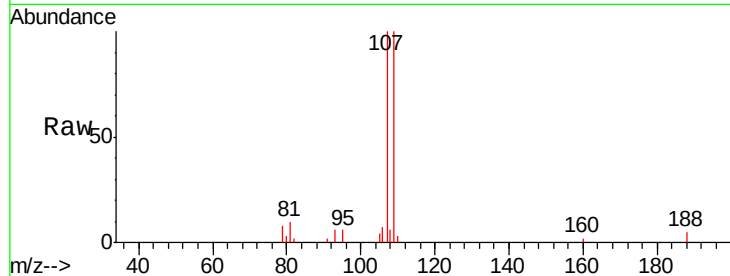
#61
 1,2-Dibromoethane
 Concen: 9.328 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	6099		
109	102.2	79.1	118.7	

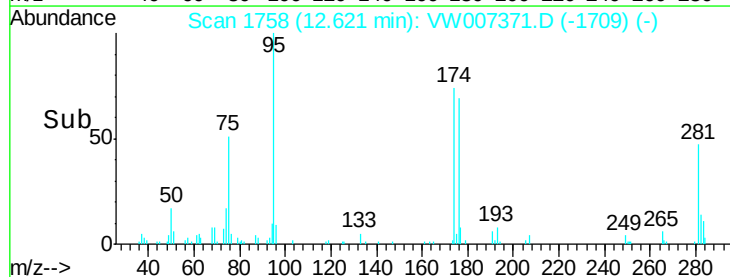
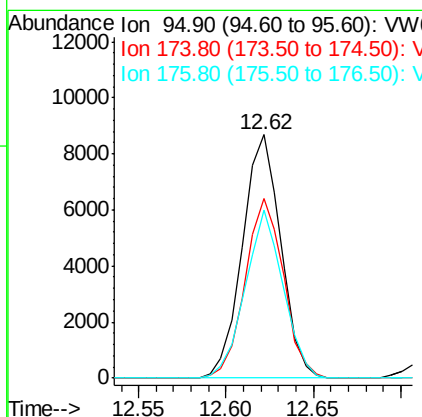
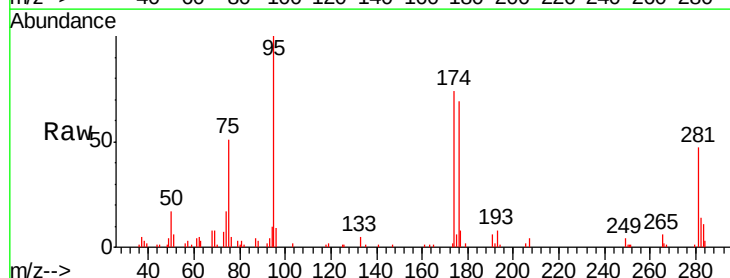
Manual Integrations
 APPROVED

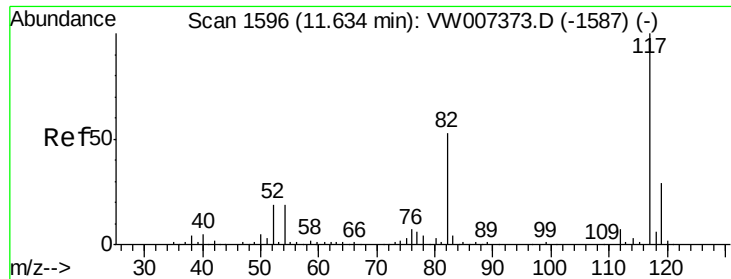
MMDadoda
 12/11/2018 4:55:28 PM



#62
 4-Bromofluorobenzene
 Concen: 10.929 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	13327		
174	73.7	0.0	147.2	
176	68.3	0.0	138.8	





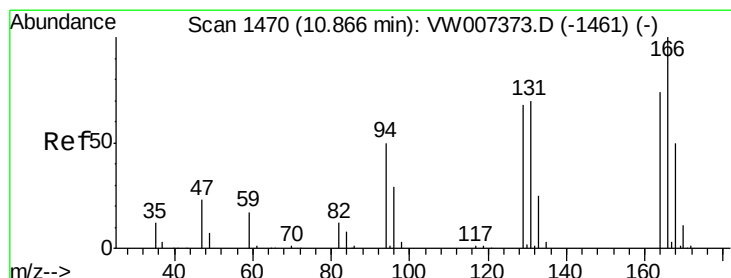
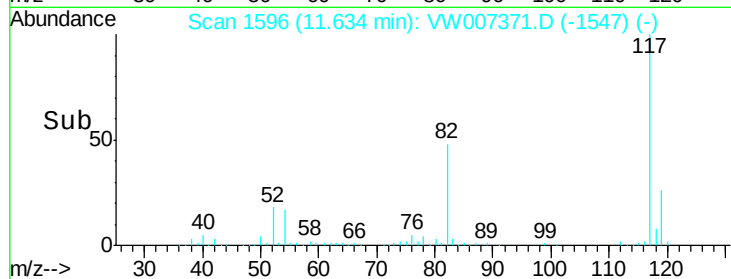
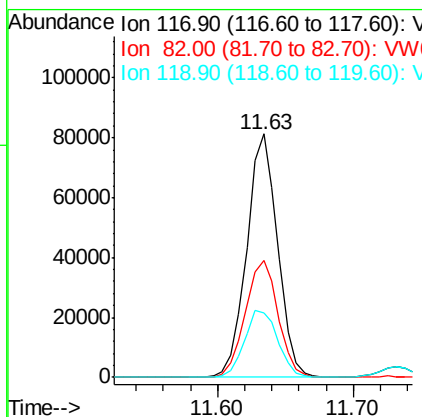
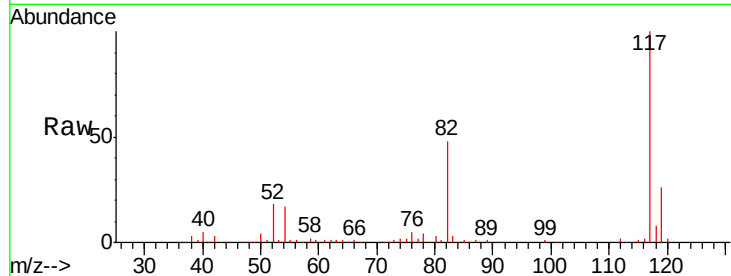
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	128985		
82	48.1	42.3	63.5	
119	26.4	23.0	34.6	

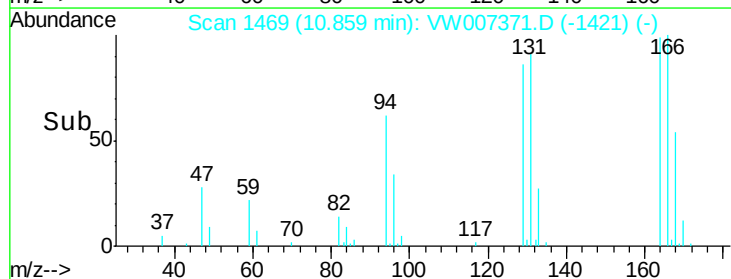
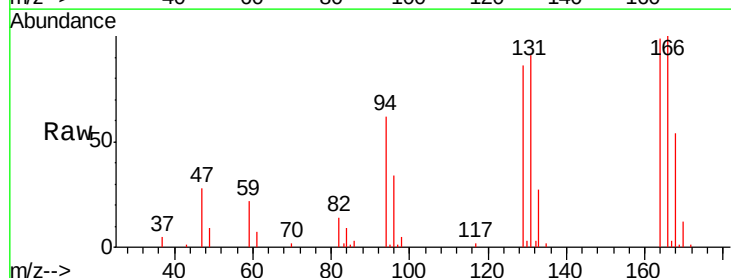
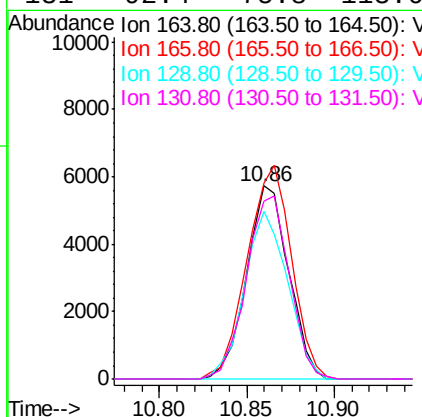
Manual Integrations
APPROVED

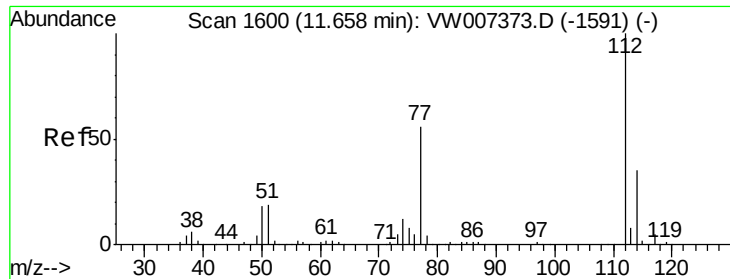
MMDadoda
12/11/2018 4:55:28 PM



#64
Tetrachloroethene
Concen: 10.366 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	9615		
166	101.3	107.9	161.9#	
129	86.6	73.4	110.2	
131	92.4	75.8	113.6	





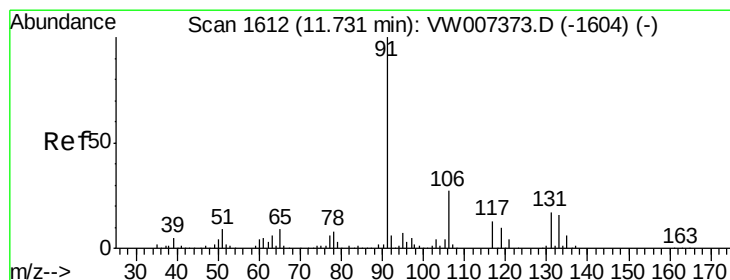
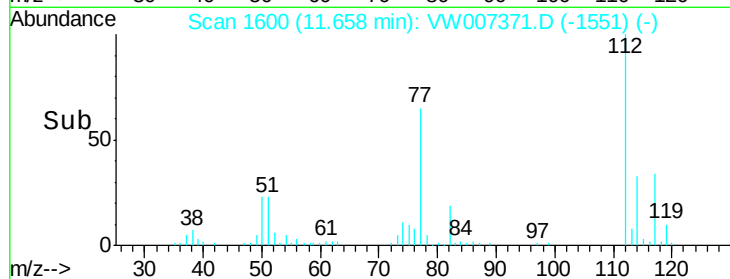
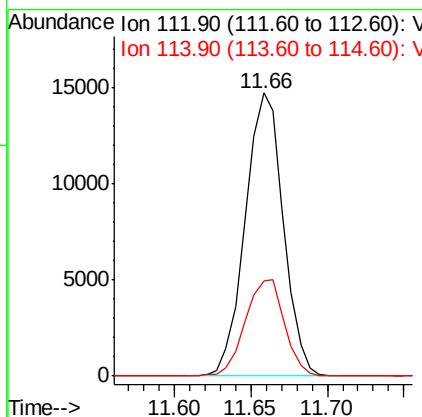
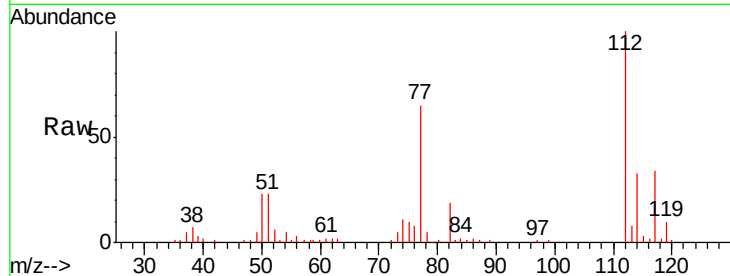
#65
Chlorobenzene
Concen: 9.468 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:112 Resp: 25455
Ion Ratio Lower Upper
112 100
114 33.5 27.8 41.8

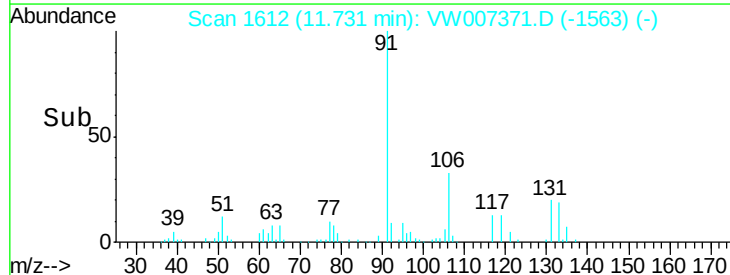
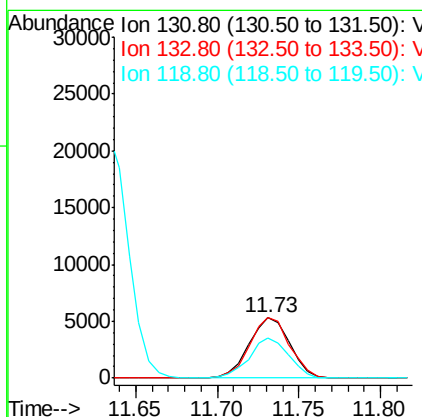
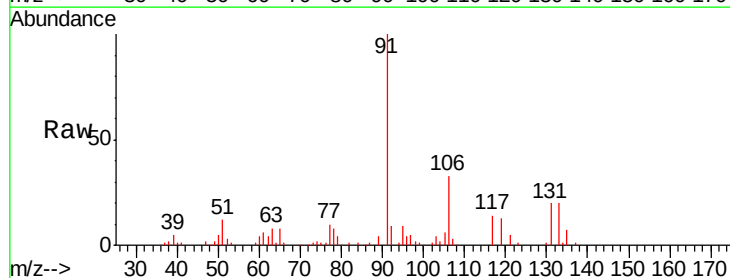
Manual Integrations
APPROVED

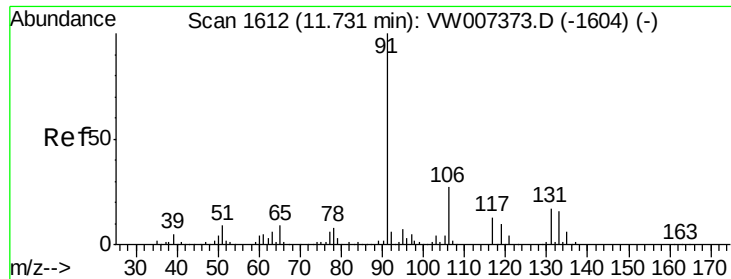
MMDadoda
12/11/2018 4:55:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 9.773 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion:131 Resp: 9254
Ion Ratio Lower Upper
131 100
133 98.8 47.1 141.4
119 65.2 31.3 93.9





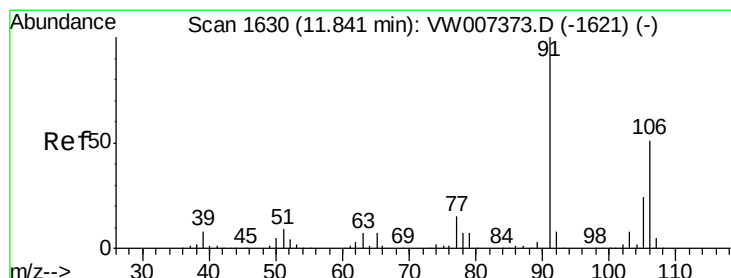
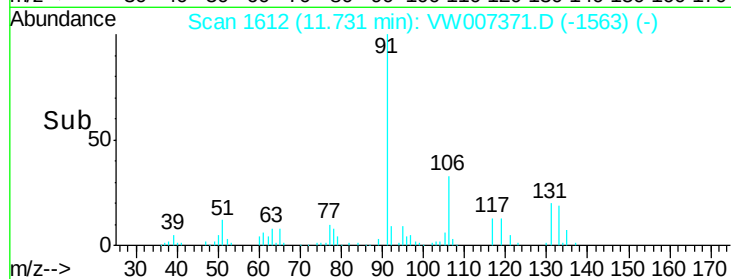
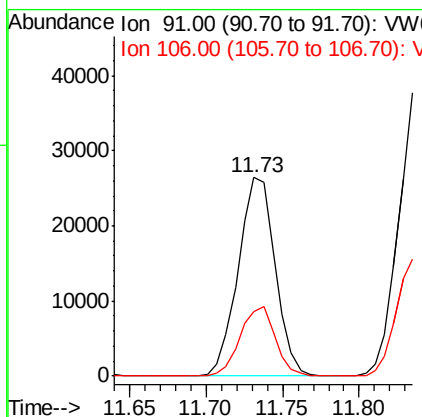
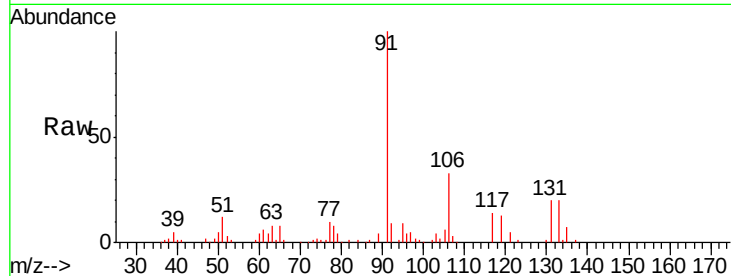
#67
Ethyl Benzene
Concen: 9.596 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 44353
Ion Ratio Lower Upper
91 100
106 32.8 21.8 32.8#

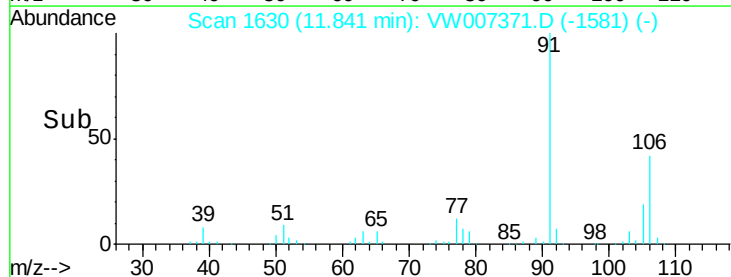
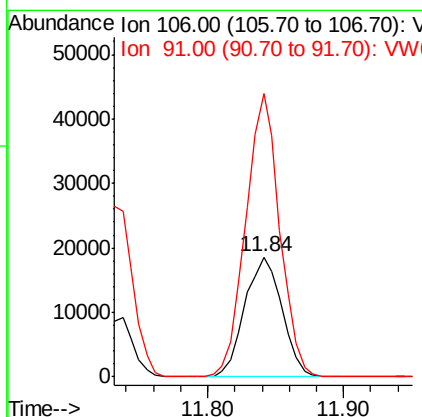
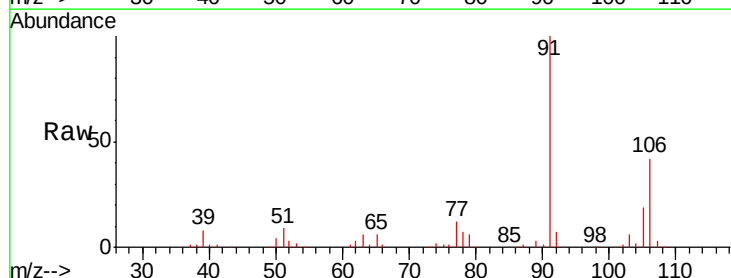
Manual Integrations
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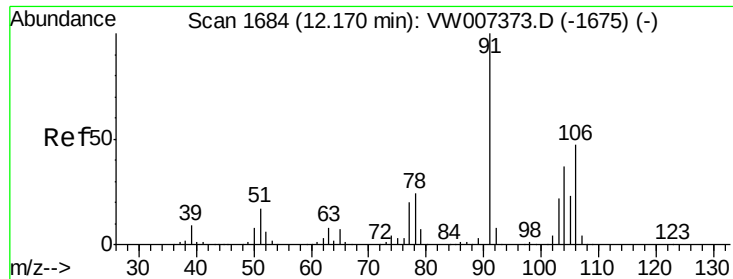
MMDadoda
12/11/2018 4:55:28 PM



#68
m/p-Xylenes
Concen: 19.871 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 106 Resp: 35706
Ion Ratio Lower Upper
106 100
91 215.4 165.3 247.9





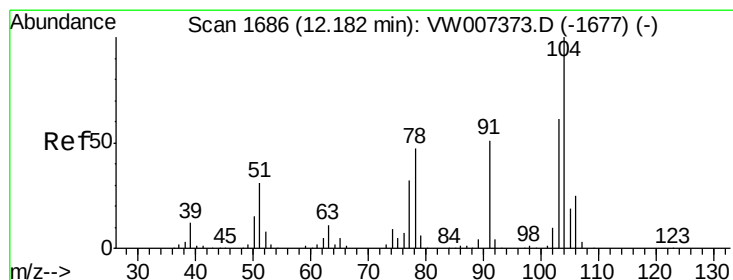
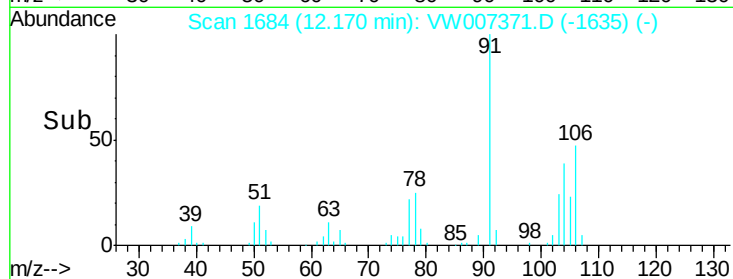
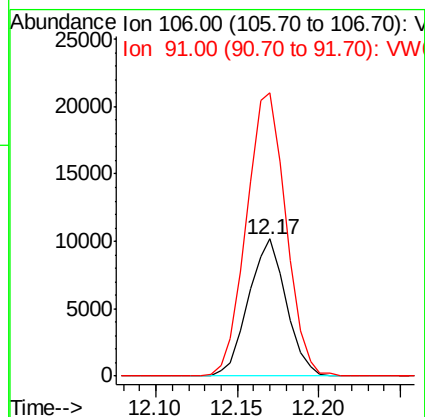
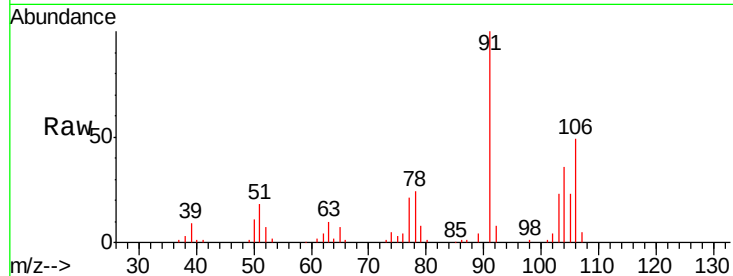
#69
o-Xylene
Concen: 9.703 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 16284
Ion Ratio Lower Upper
106 100
91 217.2 106.6 319.8

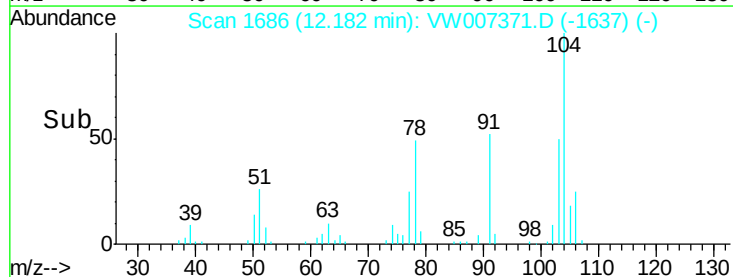
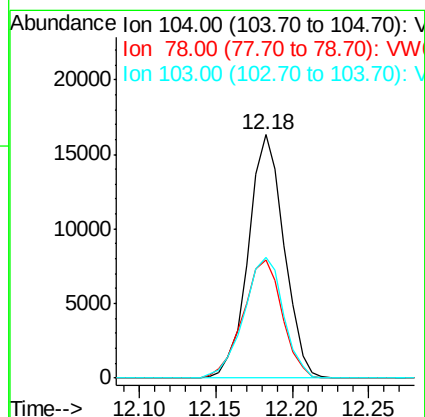
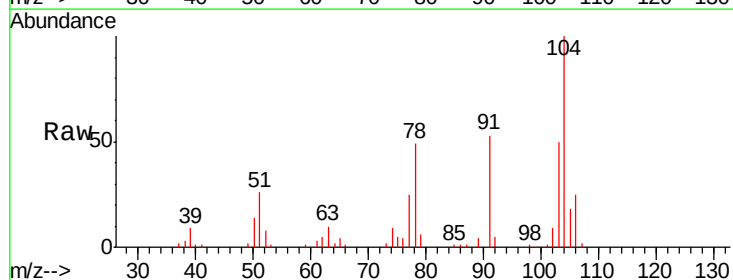
Manual Integrations
APPROVED

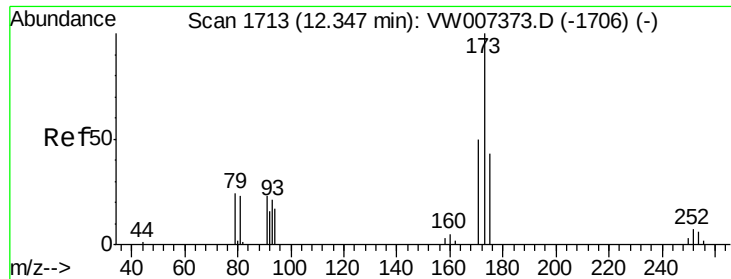
MMDadoda
12/11/2018 4:55:28 PM



#70
Styrene
Concen: 9.788 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion:104 Resp: 26531
Ion Ratio Lower Upper
104 100
78 53.5 41.8 62.8
103 54.7 46.6 69.8





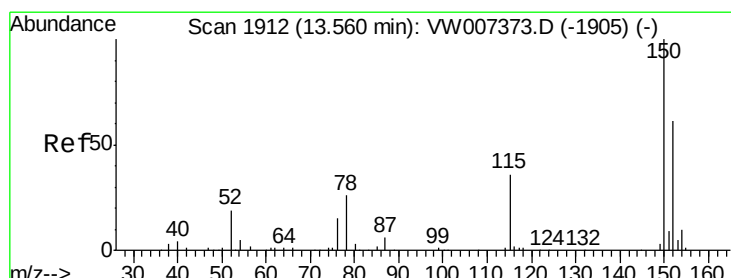
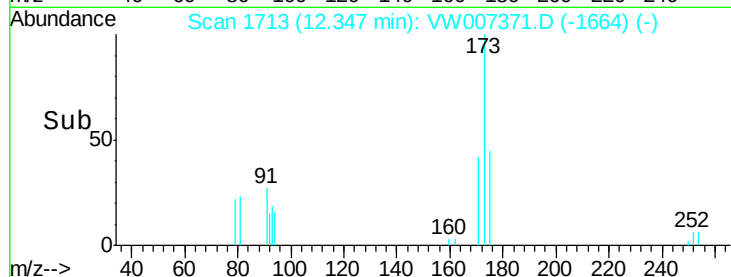
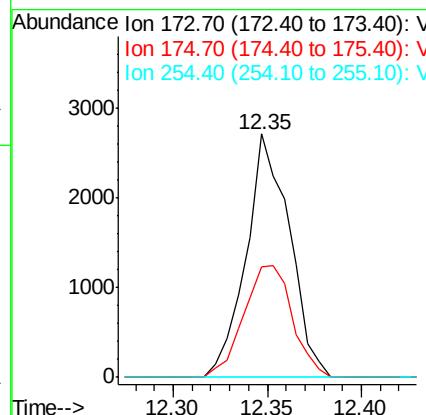
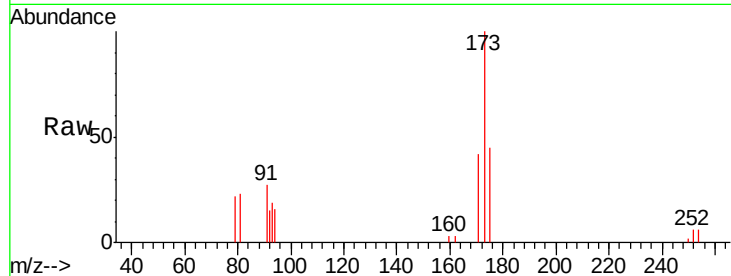
#71
Bromoform
Concen: 8.924 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.4	23.6	70.8
254	0.0	0.0	0.0

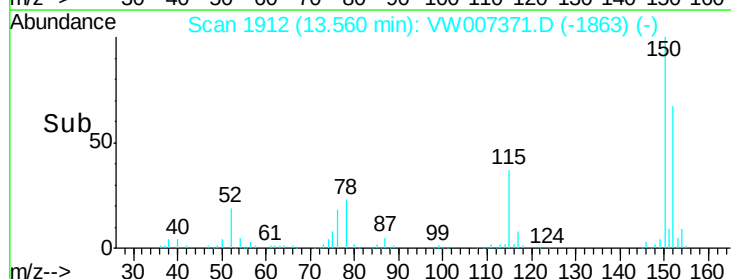
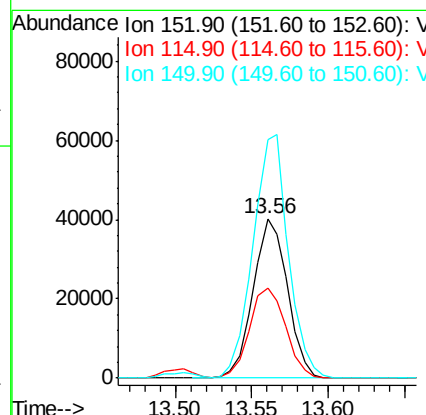
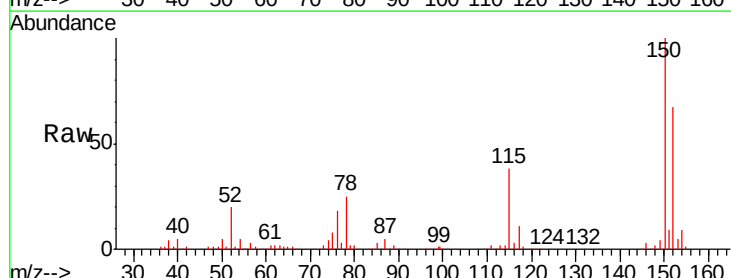
Manual Integrations
APPROVED

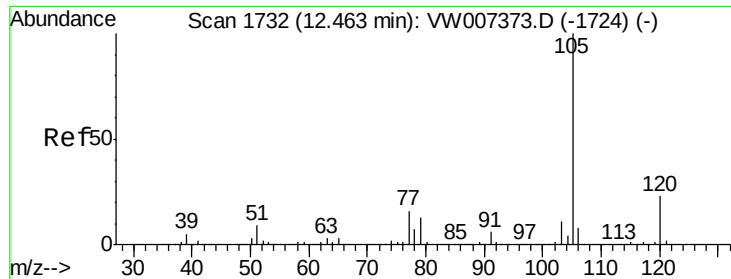
MMDadoda
12/11/2018 4:55:28 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	31.4	94.2
150	157.1	0.0	358.4





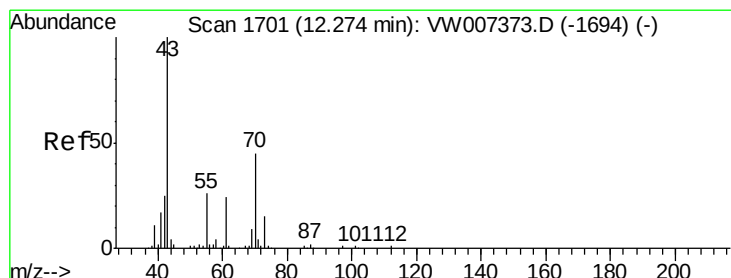
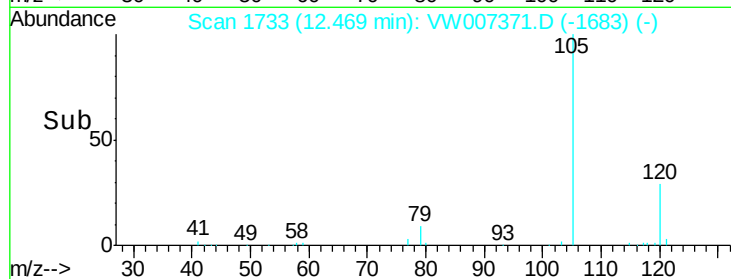
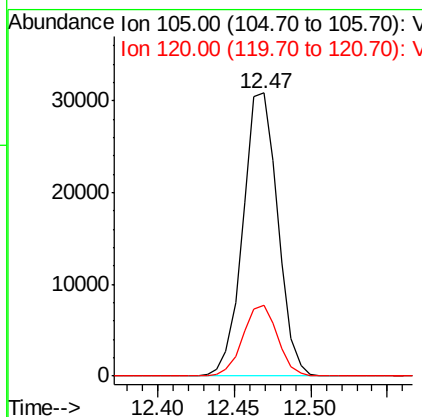
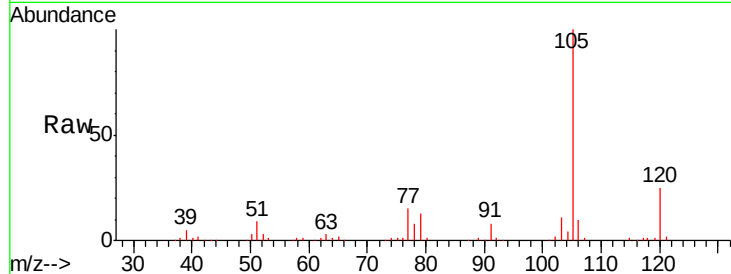
#73
Isopropylbenzene
Concen: 10.128 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 105 Resp: 48794
Ion Ratio Lower Upper
105 100
120 24.8 12.8 38.4

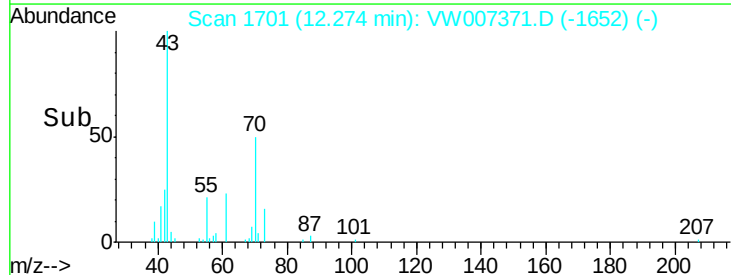
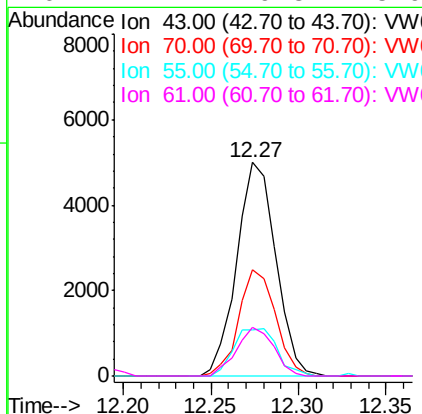
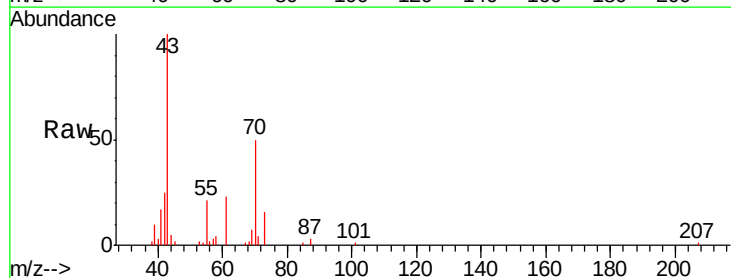
Manual Integrations
APPROVED

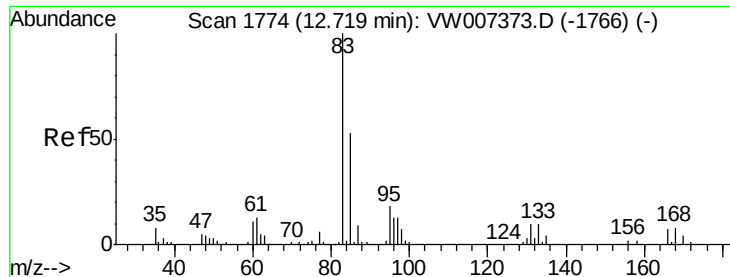
MMDadoda
12/11/2018 4:55:28 PM



#74
N-ethyl acetate
Concen: 8.867 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 43 Resp: 7764
Ion Ratio Lower Upper
43 100
70 46.9 36.5 54.7
55 24.8 20.1 30.1
61 21.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 9.019 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

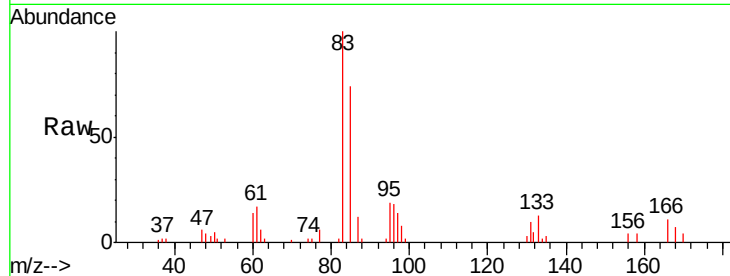
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	6436
Ion	Ratio	Lower	Upper
83	100		
131	12.9	5.9	17.8
85	71.2	30.0	90.0

Manual Integrations
APPROVED

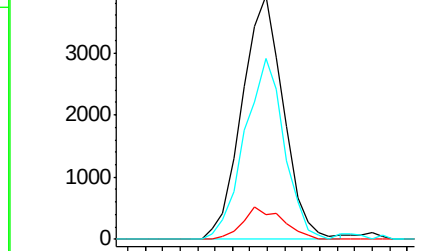
MMDadoda
12/11/2018 4:55:28 PM



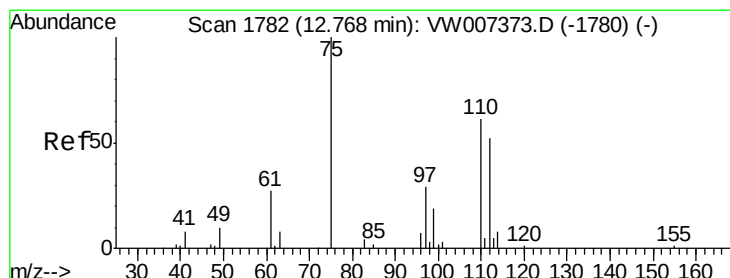
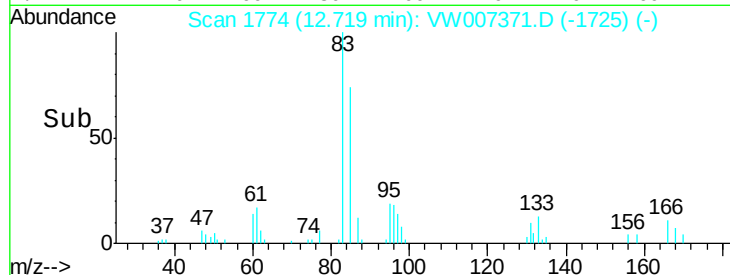
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



Time-->



#76

1,2,3-Trichloropropane

Concen: 9.465 ug/l m

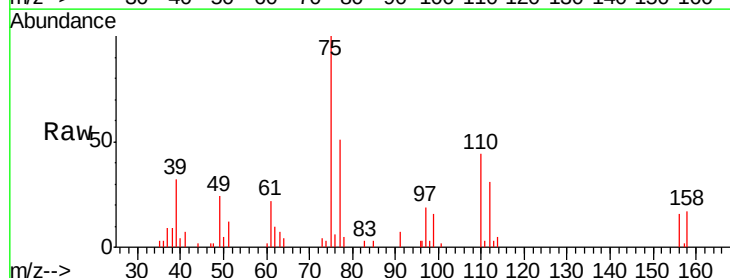
RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW007371.D

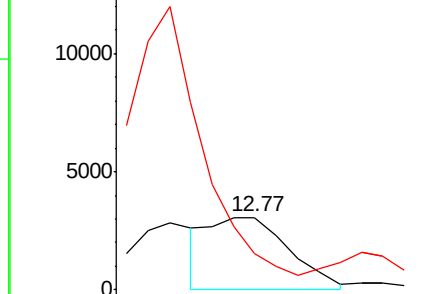
Acq: 10 Dec 2018 23:14

Tgt Ion:	75	Resp:	4907
Ion	Ratio	Lower	Upper
75	100		
77	0.0	166.9	500.8#

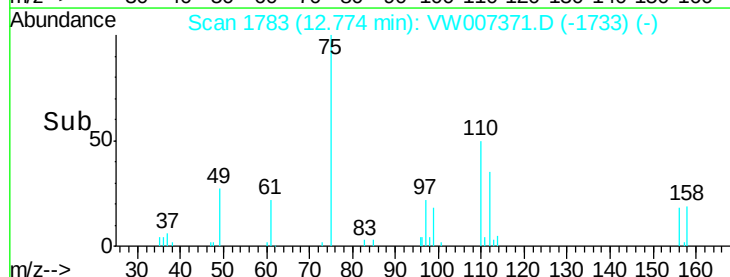


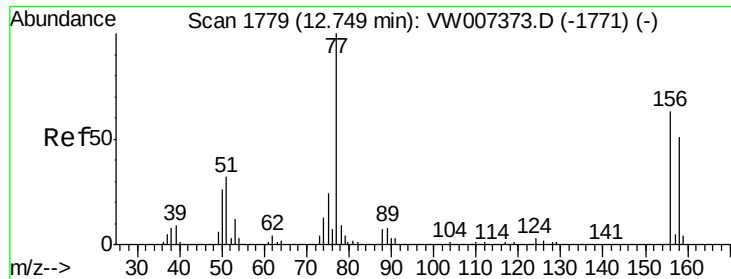
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#77

Bromobenzene

Concen: 9.407 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

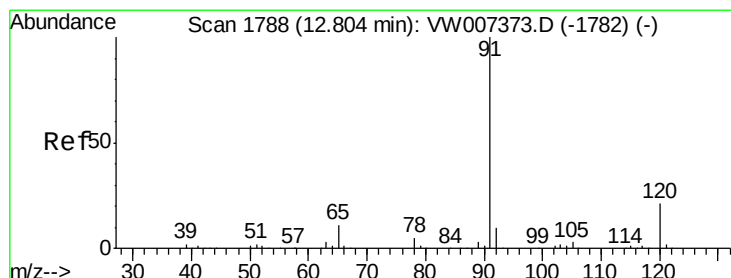
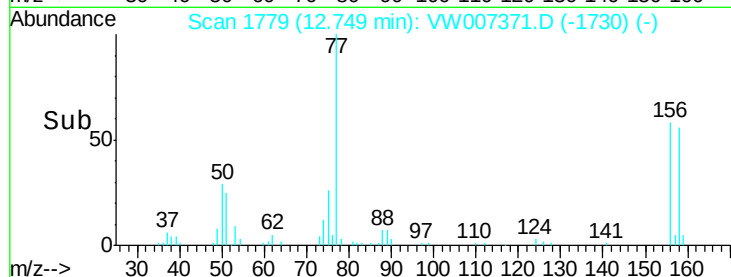
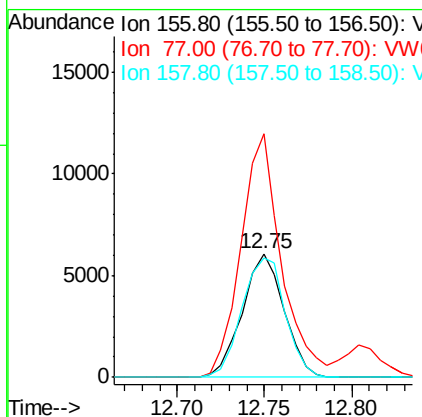
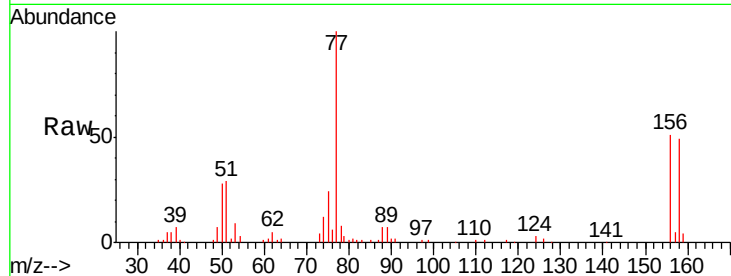
ClientSampleId :

VSTDIC010

Tgt Ion	Ratio	Lower	Upper
156	100		
77	191.9	88.1	264.4
158	100.7	45.6	136.7

Manual Integrations
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#78

n-propylbenzene

Concen: 9.635 ug/l

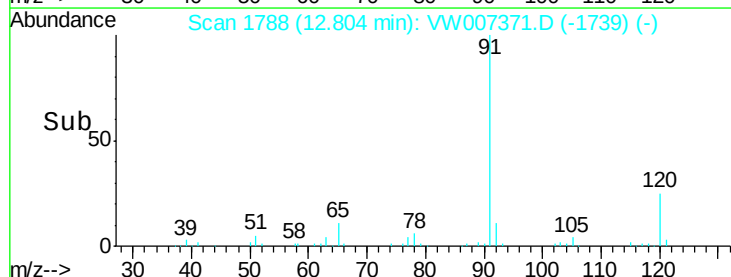
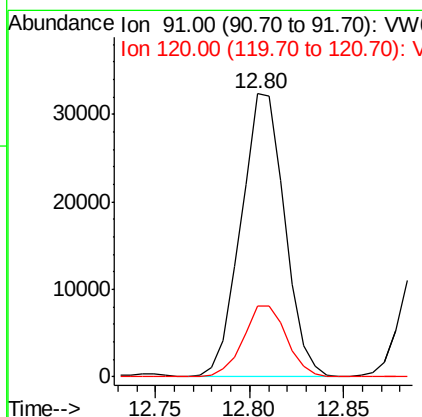
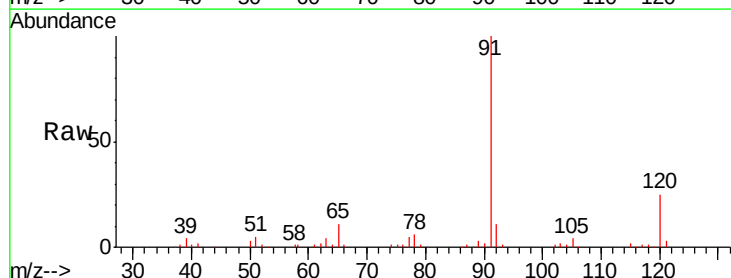
RT: 12.80 min Scan# 1788

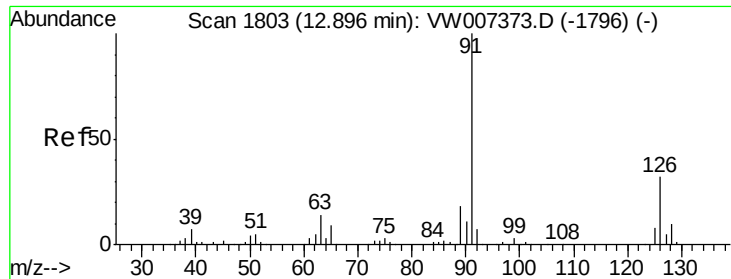
Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 9.789 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 32114

Ion Ratio Lower Upper

91 100

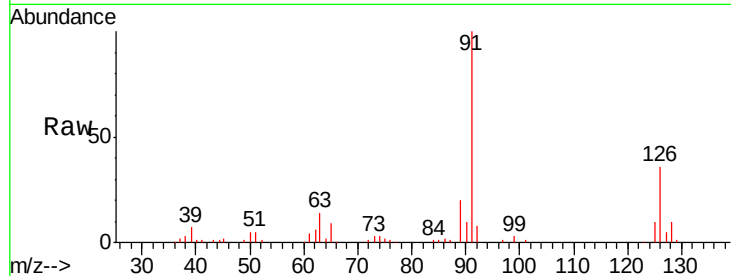
126 34.1 15.9 47.6

Manual Integrations

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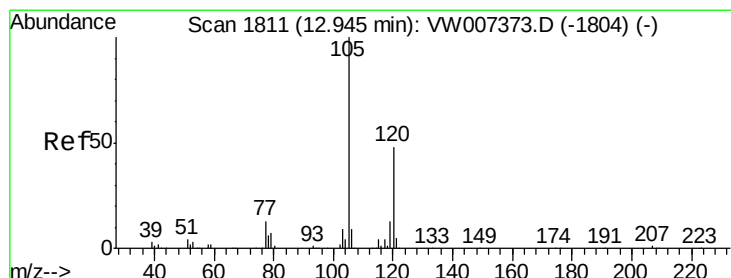
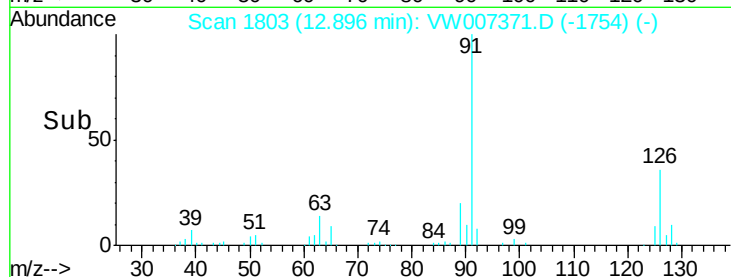
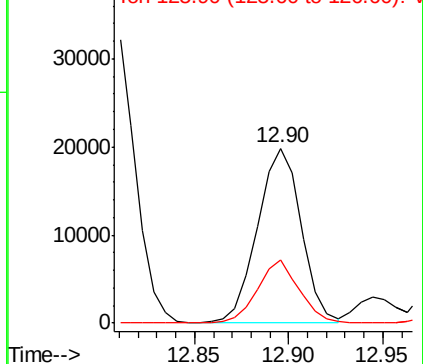
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.962 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007371.D

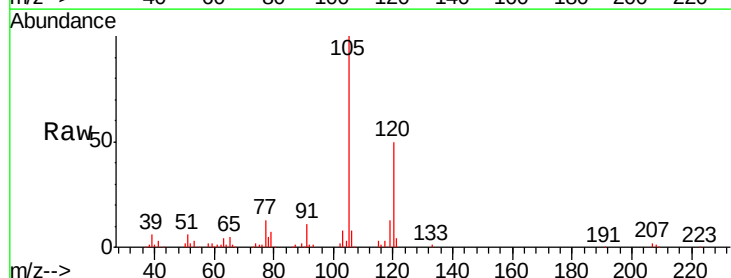
Acq: 10 Dec 2018 23:14

Tgt Ion: 105 Resp: 40330

Ion Ratio Lower Upper

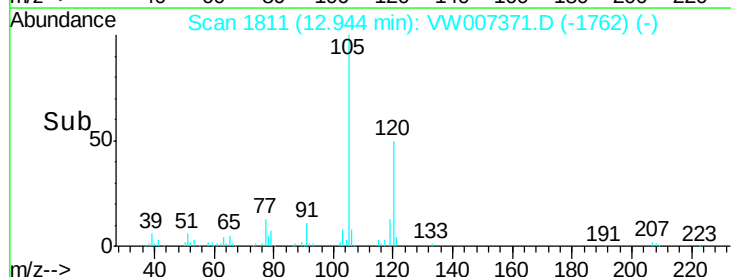
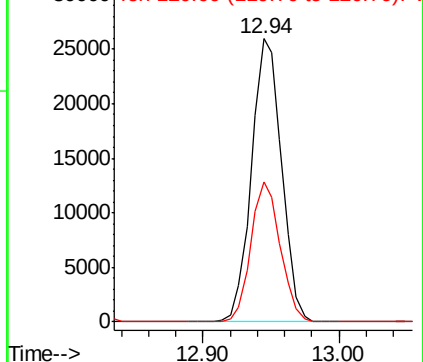
105 100

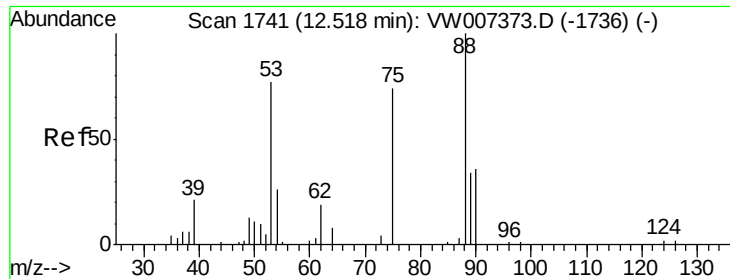
120 48.3 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





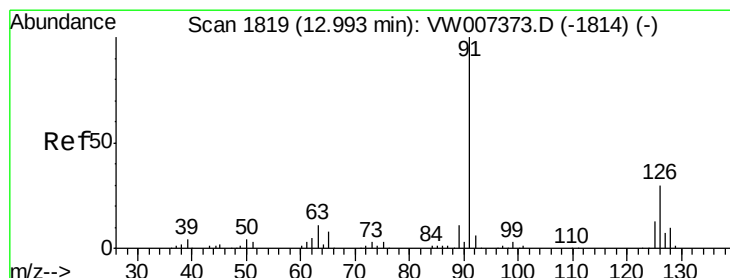
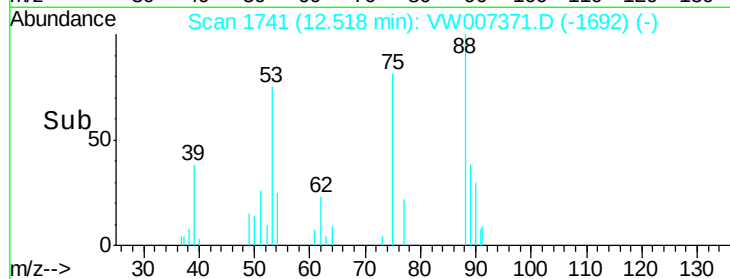
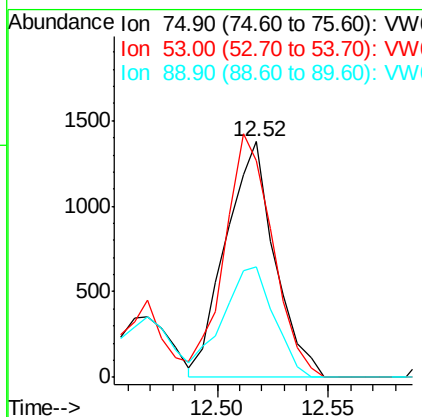
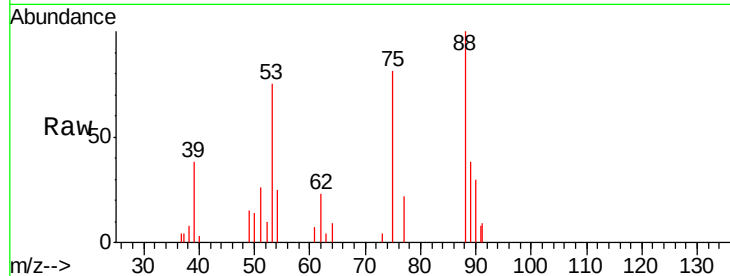
#81
trans-1,4-Dichloro-2-butene
Concen: 8.982 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.7	84.9	127.3
89	49.0	40.3	60.5

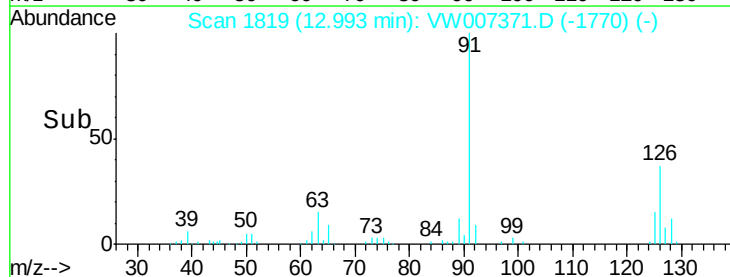
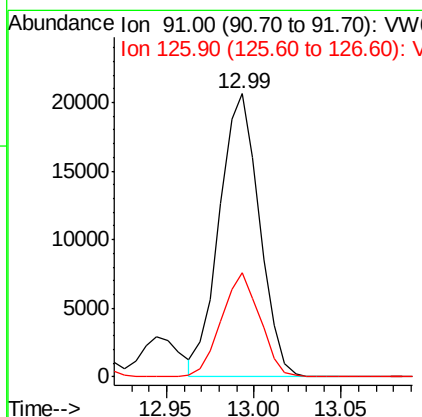
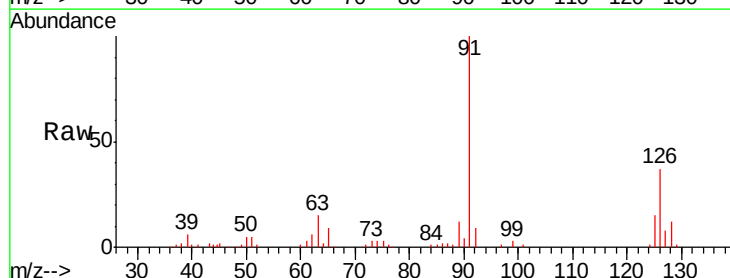
Manual Integrations
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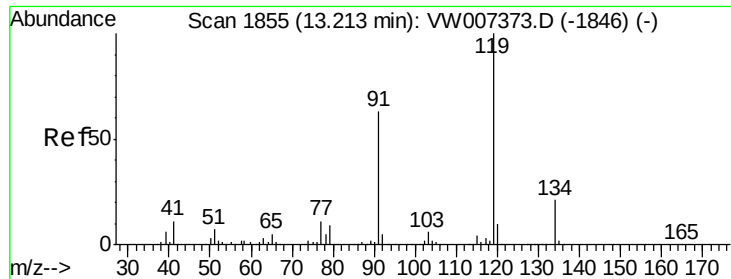
MMDadoda
12/11/2018 4:55:28 PM



#82
4-Chlorotoluene
Concen: 9.488 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.0	48.0





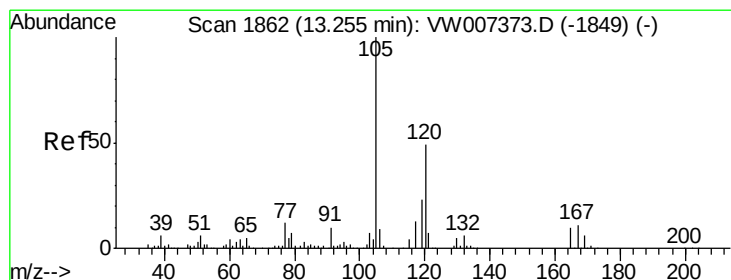
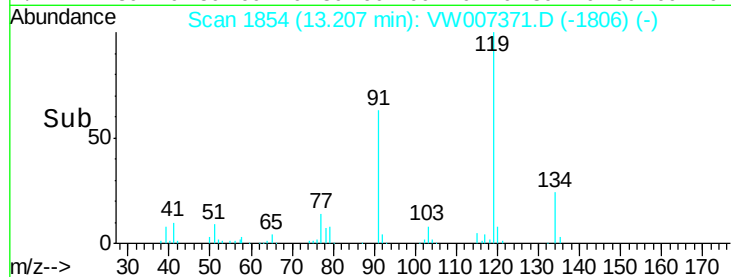
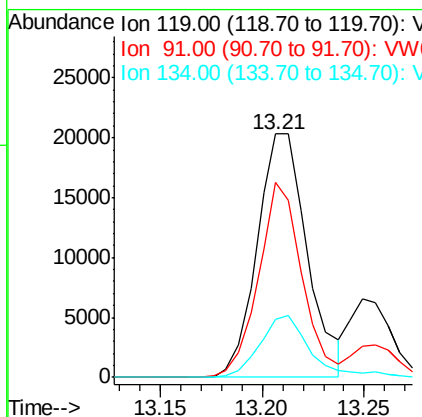
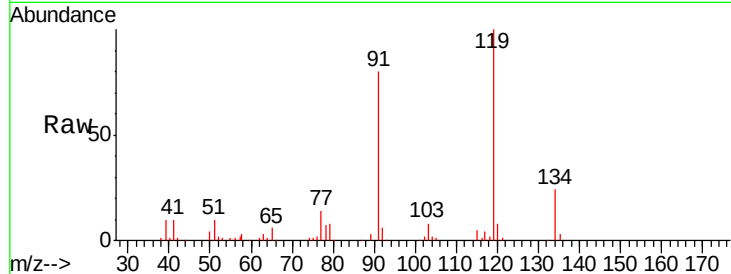
#83
tert-Butylbenzene
Concen: 9.764 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	34828		
91	69.4	33.1	99.2	
134	25.6	12.5	37.5	

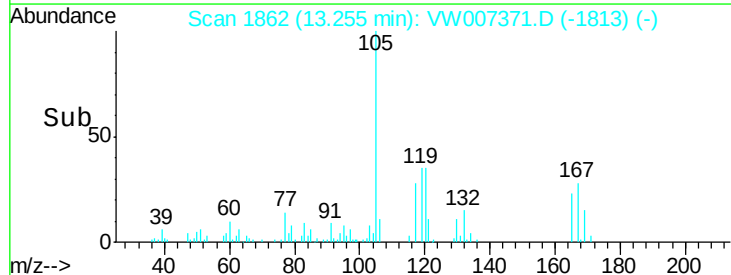
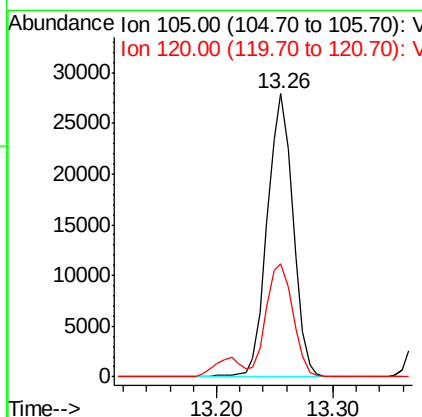
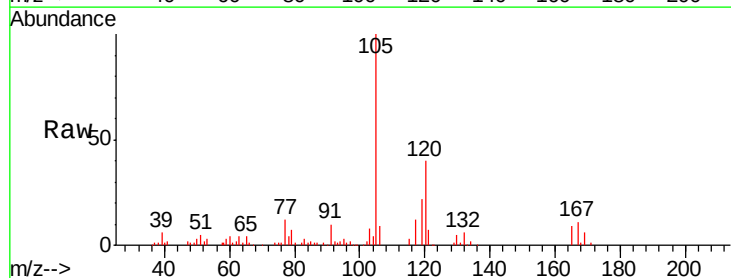
Manual Integrations
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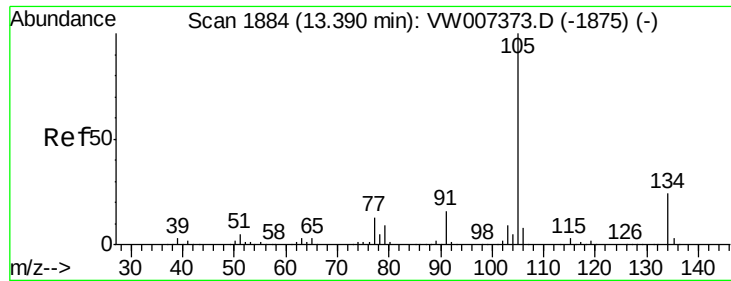
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#84
1,2,4-Trimethylbenzene
Concen: 10.225 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	42595		
120	41.7	22.6	67.7	





#85

sec-Butylbenzene

Concen: 10.233 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:105 Resp: 49827

Ion Ratio Lower Upper

105 100

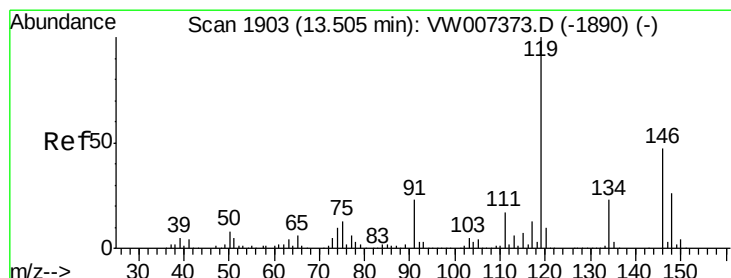
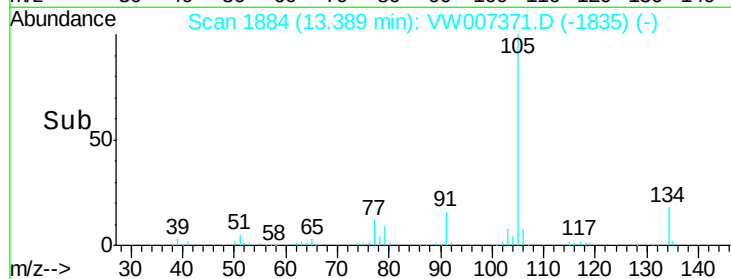
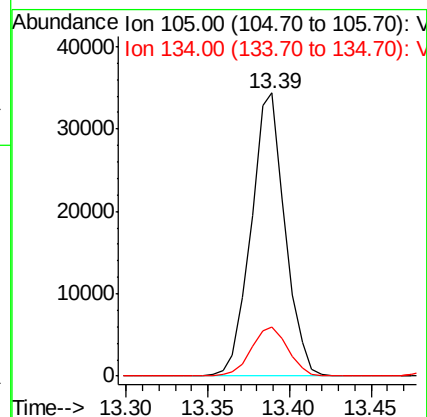
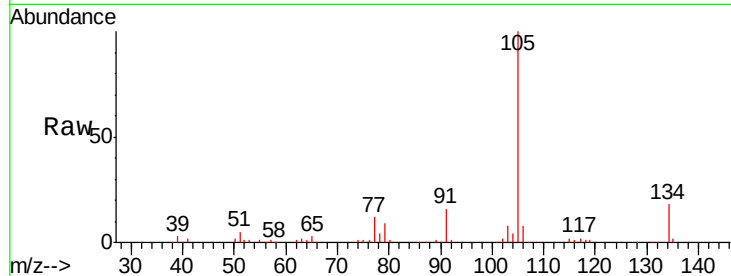
134 18.8 11.1 33.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 10.151 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007371.D

Acq: 10 Dec 2018 23:14

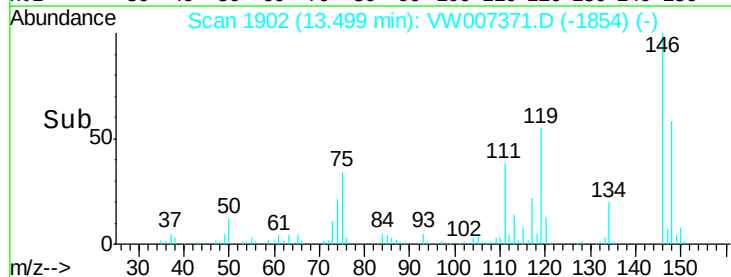
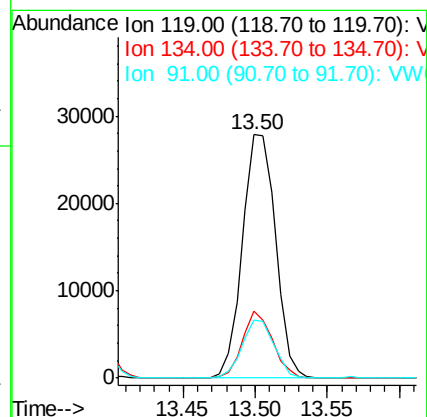
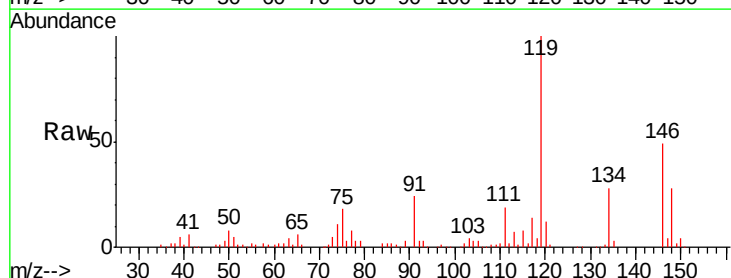
Tgt Ion:119 Resp: 44406

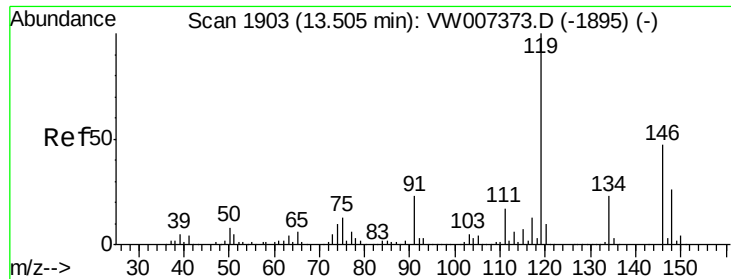
Ion Ratio Lower Upper

119 100

134 24.9 12.9 38.7

91 23.4 11.9 35.9





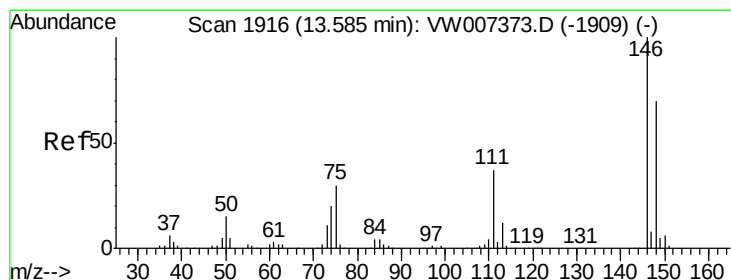
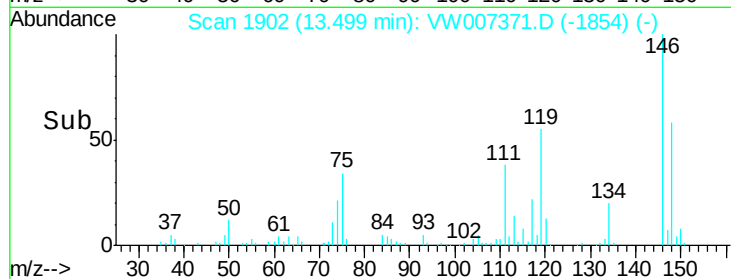
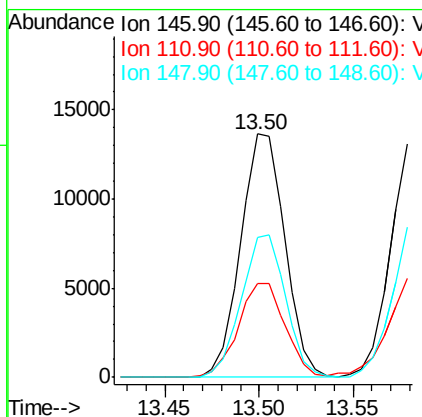
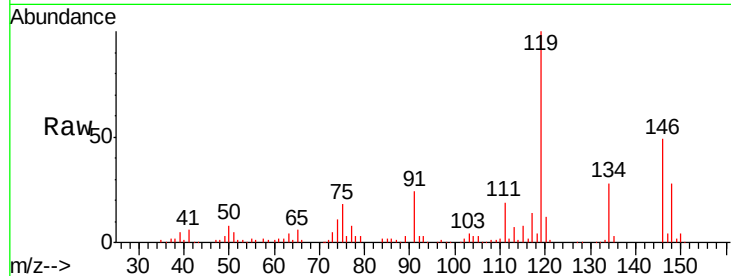
#87
 1,3-Dichlorobenzene
 Concen: 10.400 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.1	60.3
148	58.8	31.4	94.0

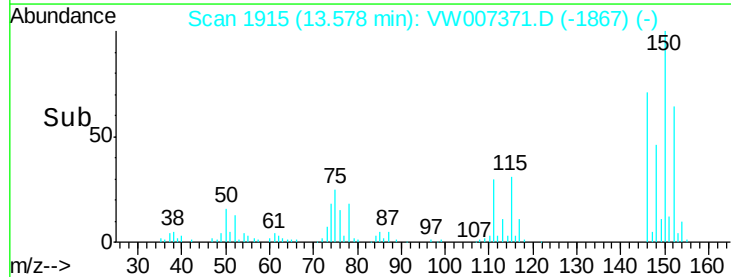
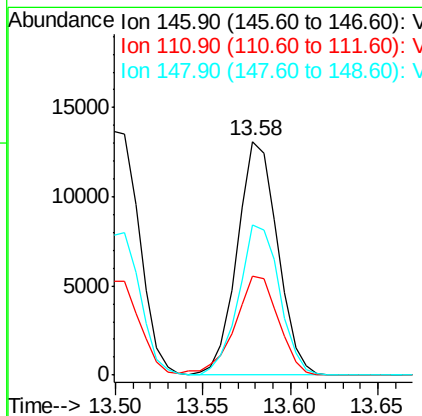
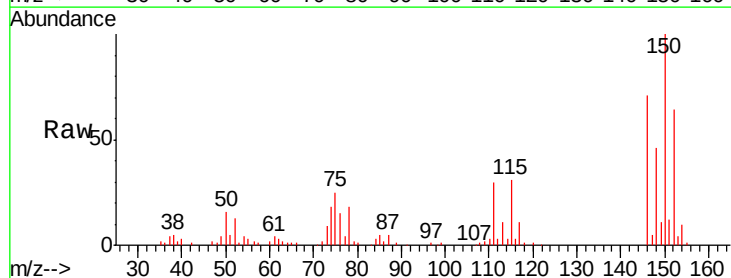
Manual Integrations
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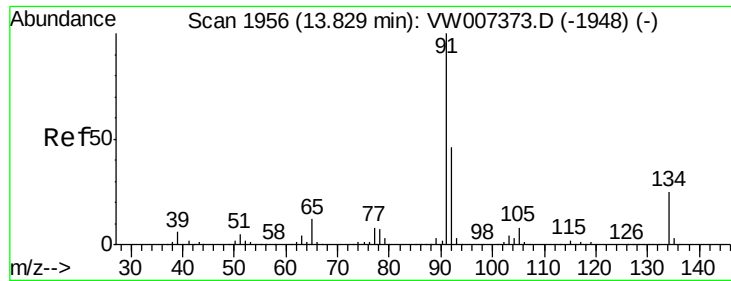
MMDadoda
 12/11/2018 4:55:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 9.828 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	20.3	61.0
148	65.0	33.5	100.5





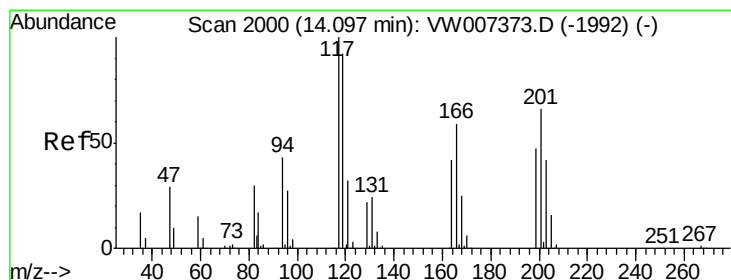
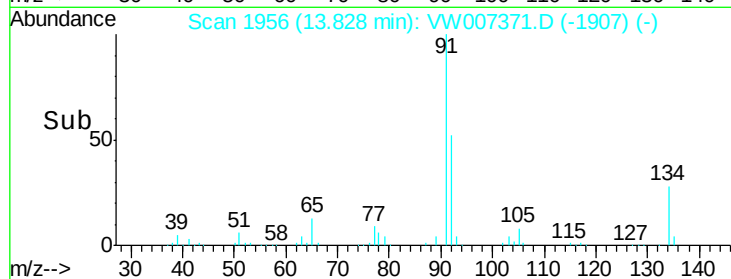
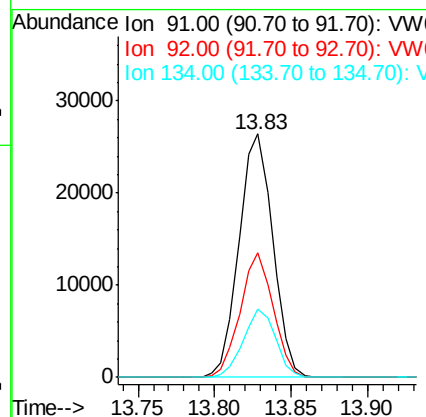
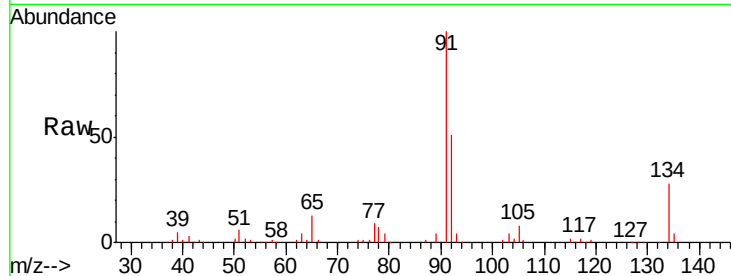
#89
n-Butylbenzene
Concen: 9.986 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.8	25.7	77.1
134	26.8	13.4	40.2

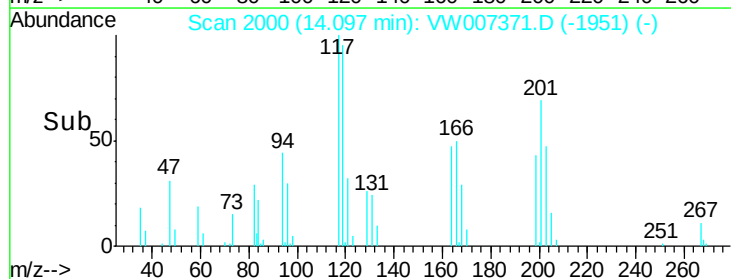
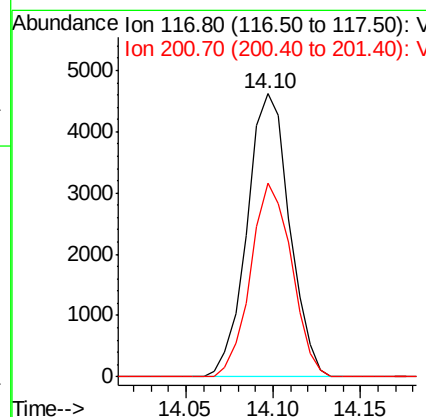
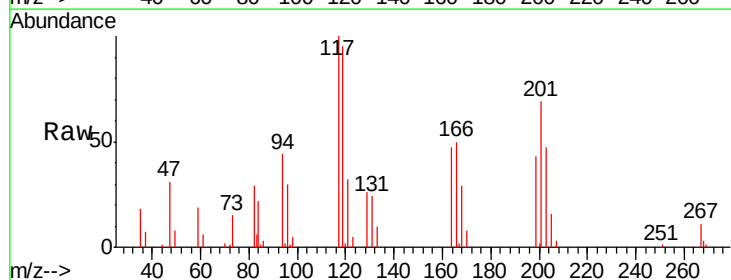
Manual Integrations
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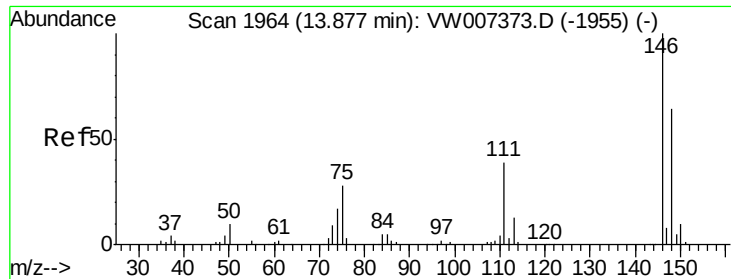
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#90
Hexachloroethane
Concen: 10.043 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.9	35.3	105.9





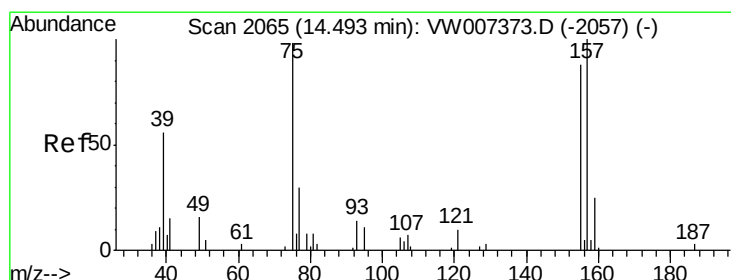
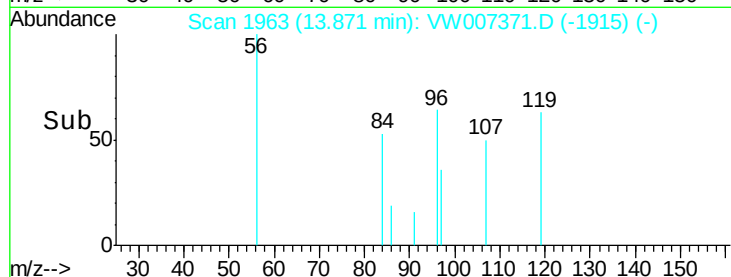
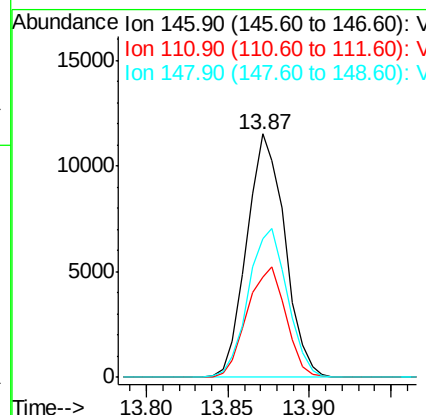
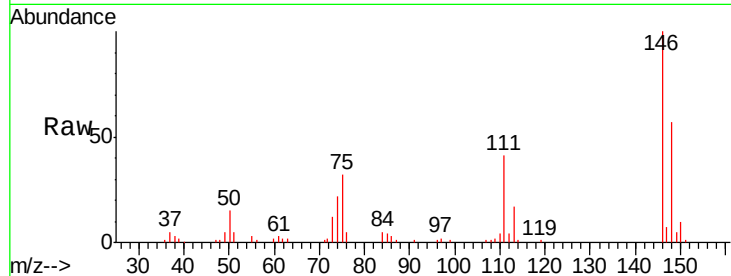
#91
 1,2-Dichlorobenzene
 Concen: 9.819 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.4	67.2
148	62.5	32.4	97.2

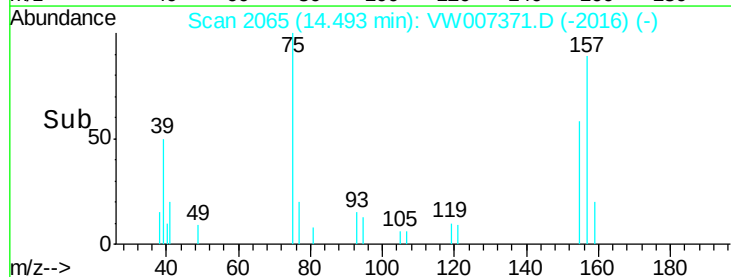
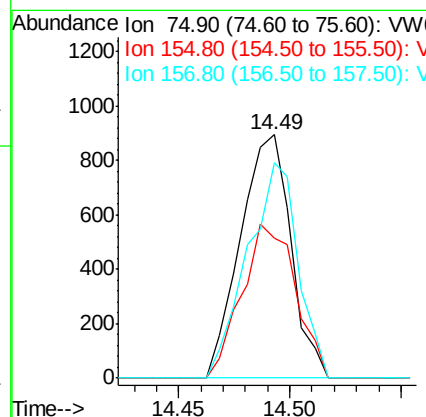
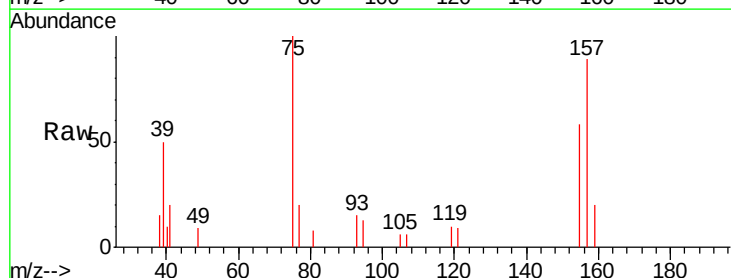
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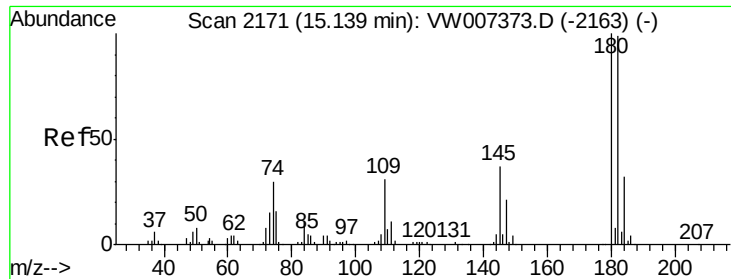
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 12/11/2018 4:55:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.874 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007371.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.3	40.8	122.2
157	88.5	51.1	153.4





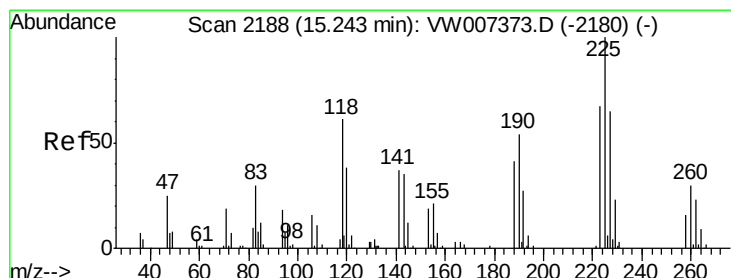
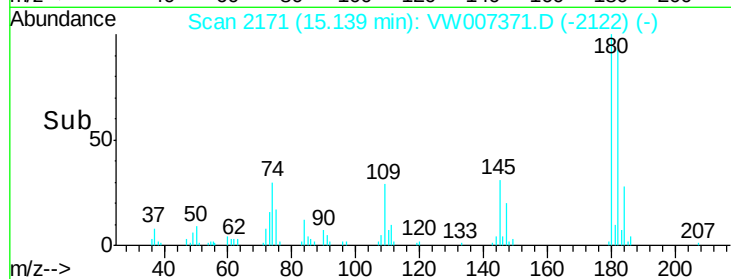
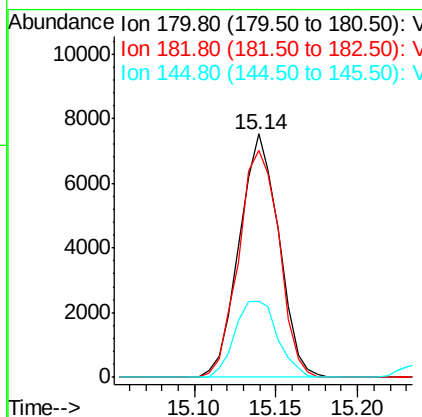
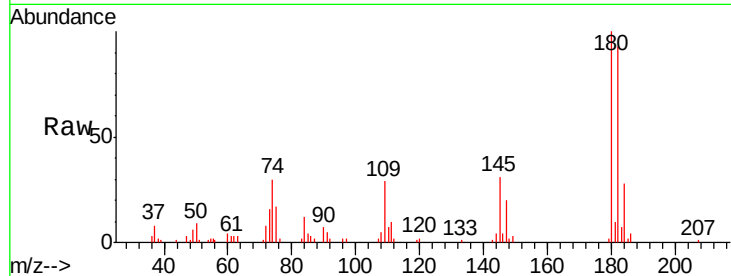
#93
1,2,4-Trichlorobenzene
Concen: 9.681 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	49.9	149.6
145	33.8	17.8	53.4

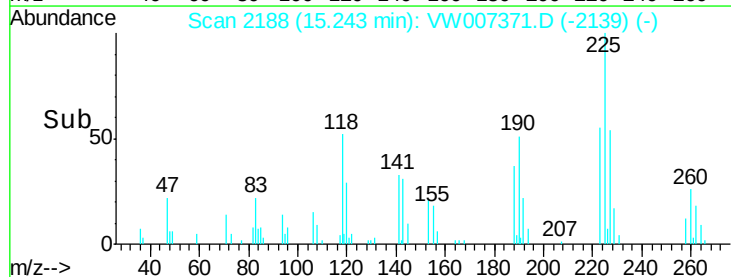
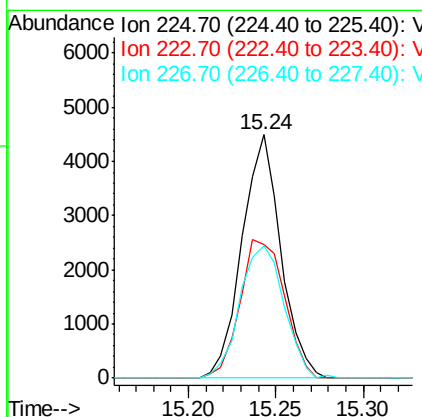
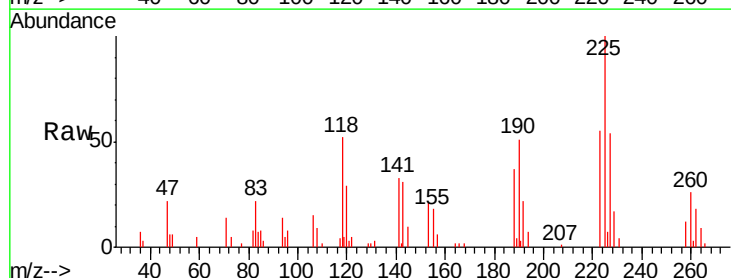
Manual Integrations
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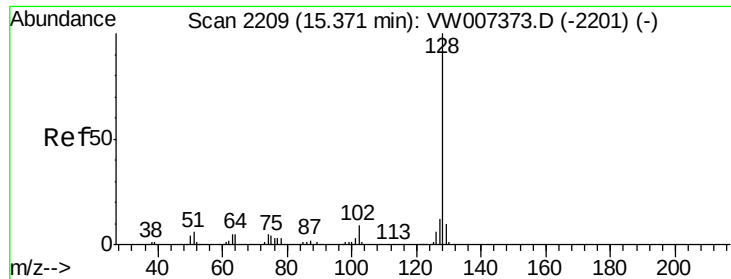
MMDadoda
12/11/2018 4:55:28 PM



#94
Hexachlorobutadiene
Concen: 9.956 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.1	96.3
227	61.8	31.9	95.9





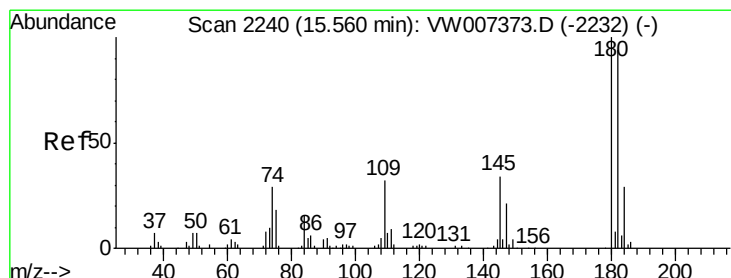
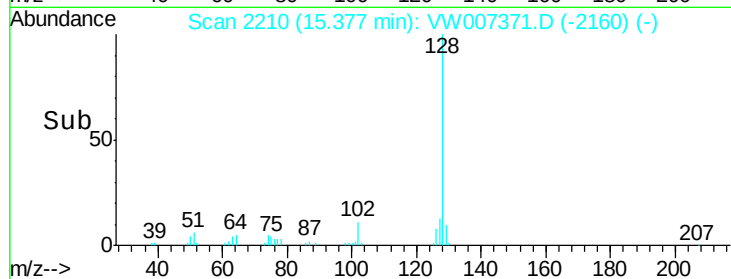
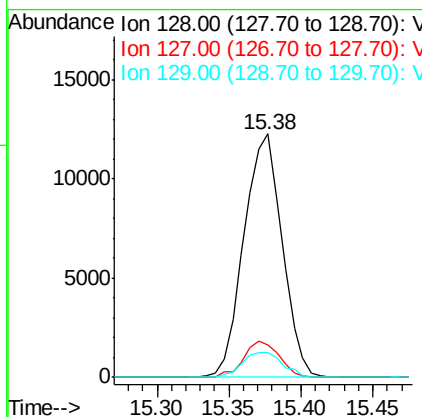
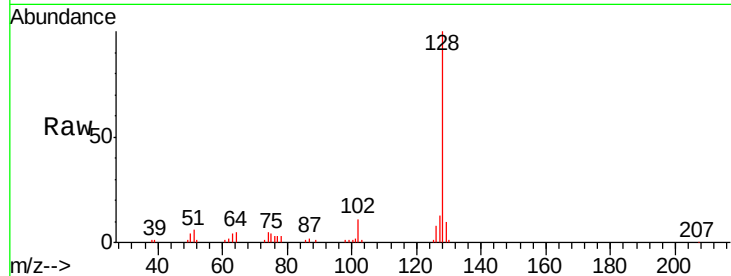
#95
Naphthalene
Concen: 8.997 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:55:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.312 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007371.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	45.6	136.7
145	38.1	17.5	52.5

