

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007372.D
 Acq On : 10 Dec 2018 23:40
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:55:33 PM

Quant Time: Dec 11 02:53:43 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	80578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	136501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59405	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	16921	18.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.86%	
35) Dibromofluoromethane	7.88	113	15332	18.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.12%	
50) Toluene-d8	10.32	98	60007	19.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.74%	
62) 4-Bromofluorobenzene	12.62	95	21637	18.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	12505	21.121	ug/l	98
3) Chloromethane	2.21	50	9831	20.847	ug/l	99
4) Vinyl Chloride	2.37	62	11208	20.252	ug/l	99
5) Bromomethane	2.78	94	7190	19.337	ug/l	92
6) Chloroethane	2.92	64	5949	19.528	ug/l	98
7) Trichlorofluoromethane	3.26	101	9789	19.674	ug/l	93
8) Diethyl Ether	3.68	74	7663	19.678	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16767	20.423	ug/l	99
10) Methyl Iodide	4.26	142	26670	19.615	ug/l	100
11) Tert butyl alcohol	5.17	59	6689	108.950	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	15498	19.607	ug/l	98
13) Acrolein	3.89	56	4632	114.019	ug/l	97
14) Allyl chloride	4.66	41	22305	19.144	ug/l	98
15) Acrylonitrile	5.37	53	17606	107.246	ug/l	97
16) Acetone	4.12	43	16429	105.215	ug/l	99
17) Carbon Disulfide	4.37	76	47254	19.716	ug/l	96
18) Methyl Acetate	4.67	43	9562	22.563	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	24095	20.206	ug/l	99
20) Methylene Chloride	4.90	84	18620	18.802	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	17470	19.757	ug/l	95
22) Diisopropyl ether	6.31	45	43995	19.645	ug/l	91
23) Vinyl Acetate	6.26	43	125977	100.568	ug/l	97
24) 1,1-Dichloroethane	6.21	63	29638	19.581	ug/l	99
25) 2-Butanone	7.17	43	21572	105.823	ug/l	100
26) 2,2-Dichloropropane	7.16	77	20185	20.150	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	18865	19.485	ug/l	97
28) Bromochloromethane	7.51	49	11622	20.413	ug/l #	99
29) Tetrahydrofuran	7.53	42	14354	111.228	ug/l	98
30) Chloroform	7.67	83	32105	19.491	ug/l	99
31) Cyclohexane	7.95	56	27072	19.494	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	28374	19.643	ug/l	98
36) 1,1-Dichloropropene	8.08	75	24795	19.912	ug/l	99
37) Ethyl Acetate	7.26	43	10419	22.497	ug/l	98
38) Carbon Tetrachloride	8.07	117	26896	19.851	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	30813	20.435	ug/l	96
40) Benzene	8.32	78	66973	19.381	ug/l	98
41) Methacrylonitrile	7.48	41	4846	18.374	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	21527	19.831	ug/l	100
43) Isopropyl Acetate	8.43	43	19272	21.066	ug/l	99
44) Trichloroethene	9.09	130	19556	19.818	ug/l	99
45) 1,2-Dichloropropane	9.37	63	15230	19.045	ug/l	94
46) Dibromomethane	9.46	93	9123	20.089	ug/l	98
47) Bromodichloromethane	9.65	83	23458	19.693	ug/l	92
48) Methyl methacrylate	9.44	41	10132	21.565	ug/l	95
49) 1,4-Dioxane	9.45	88	3330	451.921	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	45759	105.860	ug/l	100
52) Toluene	10.39	92	43143	19.292	ug/l	95
53) t-1,3-Dichloropropene	10.60	75	23524	20.342	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	26337	19.701	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	13059	21.129	ug/l	93
56) Ethyl methacrylate	10.65	69	15648	21.064	ug/l	98
57) 1,3-Dichloropropane	10.93	76	20734	20.438	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	36470	106.455	ug/l	98
59) 2-Hexanone	10.97	43	31847	110.491	ug/l	96
60) Dibromochloromethane	11.13	129	15831	20.296	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12673	20.748	ug/l	90
64) Tetrachloroethene	10.86	164	16812	20.227	ug/l	92
65) Chlorobenzene	11.66	112	48172	19.996	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	17074	20.123	ug/l	98
67) Ethyl Benzene	11.73	91	84585	20.422	ug/l #	88
68) m/p-Xylenes	11.84	106	67178	41.721	ug/l	91
69) o-Xylene	12.17	106	29350	19.517	ug/l	93
70) Styrene	12.18	104	47175	19.422	ug/l	98
71) Bromoform	12.35	173	8981	20.680	ug/l #	99
73) Isopropylbenzene	12.47	105	82420	18.107	ug/l	95
74) N-amyl acetate	12.27	43	16094	19.455	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	12666	18.787	ug/l	84
76) 1,2,3-Trichloropropane	12.77	75	7841m	16.008	ug/l	
77) Bromobenzene	12.75	156	18428	18.264	ug/l	92
78) n-propylbenzene	12.80	91	94436	18.435	ug/l	97
79) 2-Chlorotoluene	12.90	91	57614	18.587	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	71305	18.643	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4483	20.218	ug/l	93
82) 4-Chlorotoluene	12.99	91	61898	18.945	ug/l	99
83) tert-Butylbenzene	13.21	119	64042	19.003	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	74580	18.949	ug/l	98
85) sec-Butylbenzene	13.38	105	87557	19.032	ug/l	97
86) p-Isopropyltoluene	13.51	119	79512	19.238	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	37841	18.811	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	36789	18.191	ug/l	97
89) n-Butylbenzene	13.83	91	73570	19.201	ug/l	98
90) Hexachloroethane	14.10	117	13516	18.379	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	34699	19.258	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2780	20.548	ug/l	98

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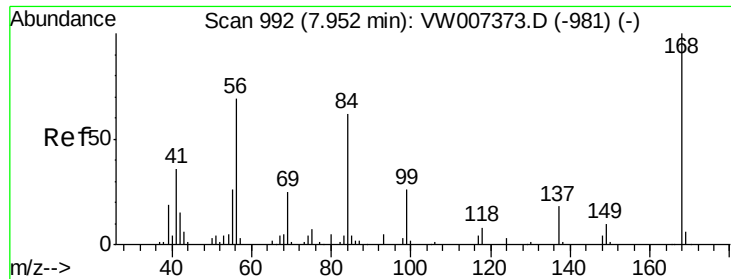
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23735	19.142	ug/l	95
94) Hexachlorobutadiene	15.24	225	13468	20.471	ug/l	95
95) Naphthalene	15.37	128	48065	20.263	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	21329	19.802	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VSTDIC020

Tgt Ion:168 Resp: 80578

Ion Ratio Lower Upper

168 100

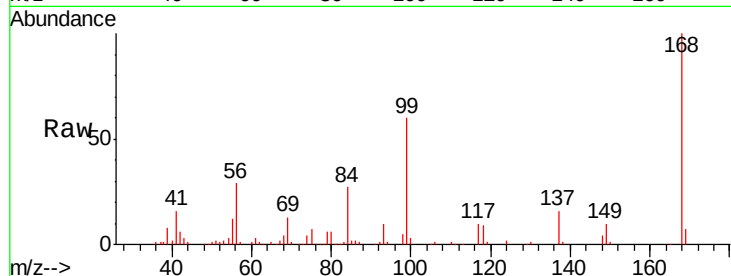
99 60.3 48.3 72.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

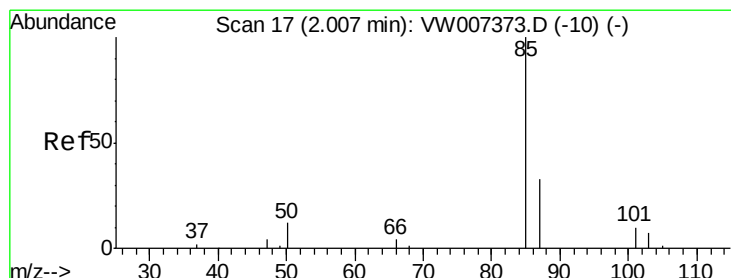
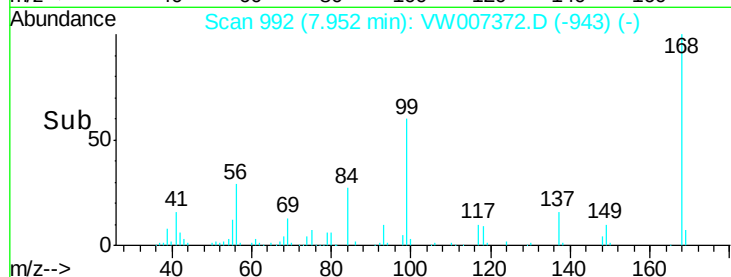
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.121 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007372.D

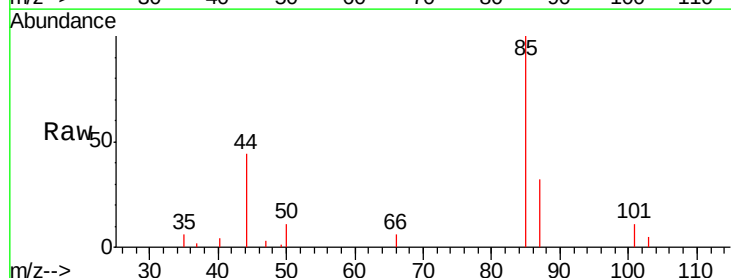
Acq: 10 Dec 2018 23:40

Tgt Ion: 85 Resp: 12505

Ion Ratio Lower Upper

85 100

87 32.0 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

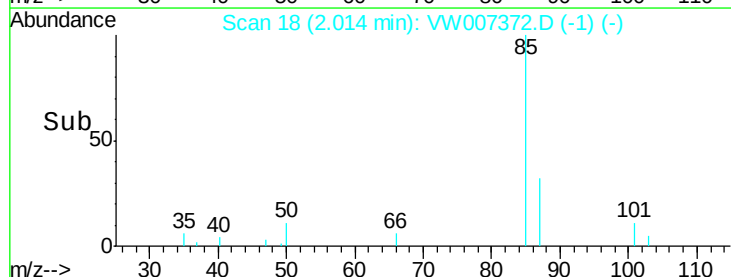
2000

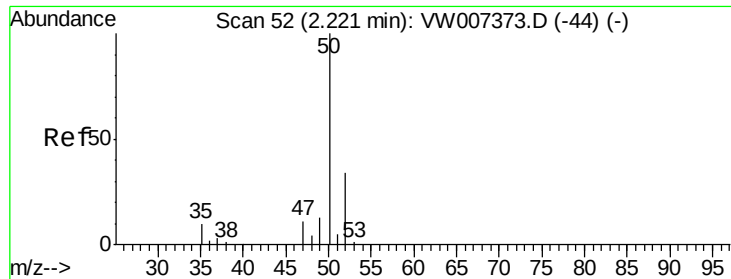
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.847 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 9831

Ion Ratio Lower Upper

50 100

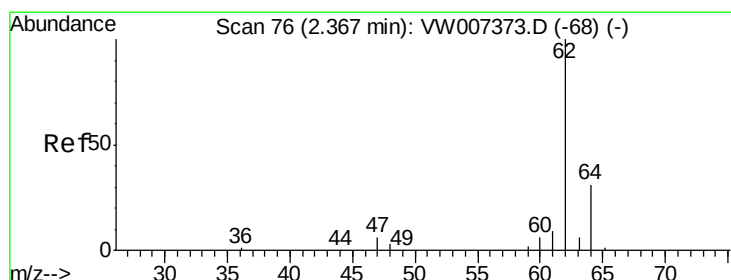
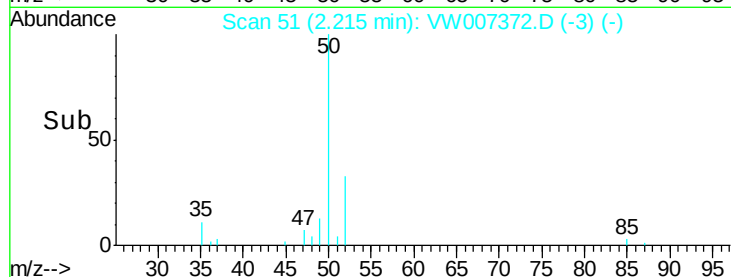
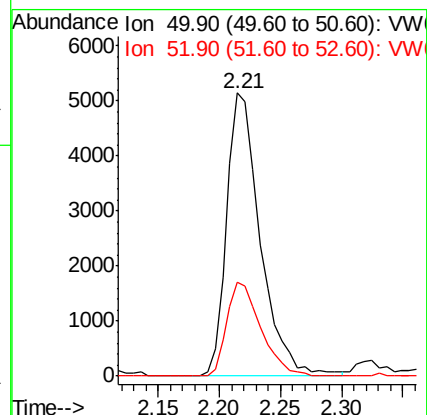
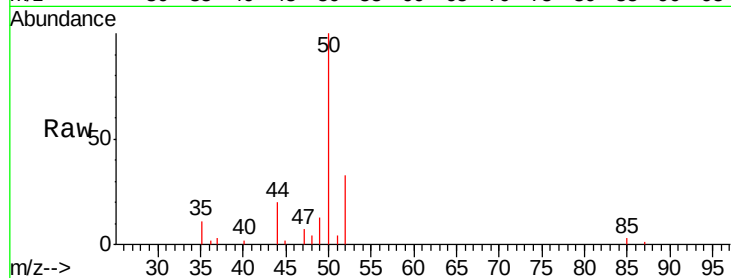
52 33.3 27.4 41.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.252 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007372.D

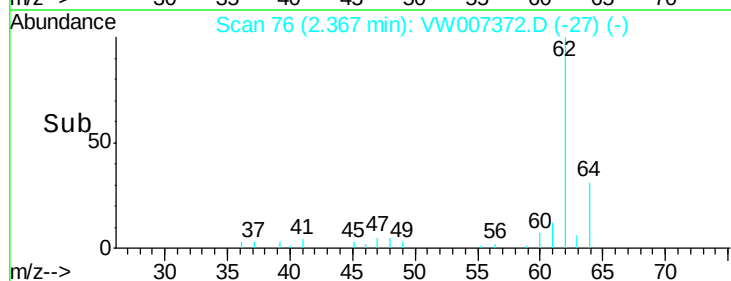
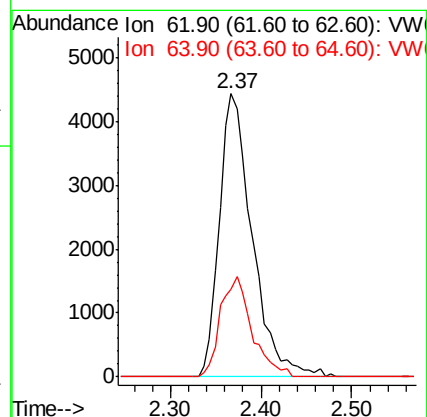
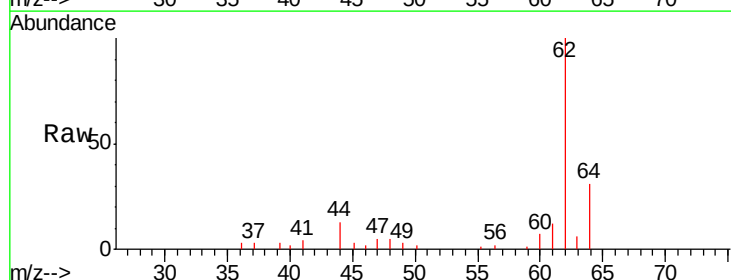
Acq: 10 Dec 2018 23:40

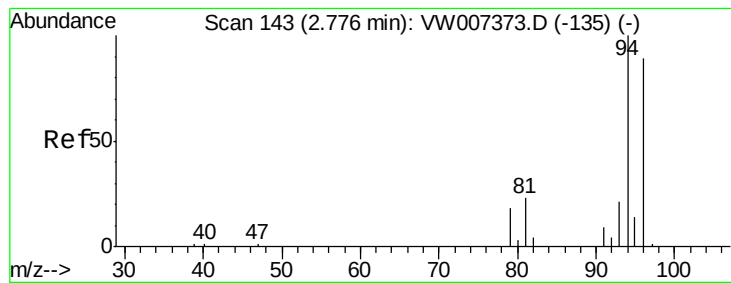
Tgt Ion: 62 Resp: 11208

Ion Ratio Lower Upper

62 100

64 31.1 24.6 37.0





#5

Bromomethane

Concen: 19.337 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 7190

Ion Ratio Lower Upper

94 100

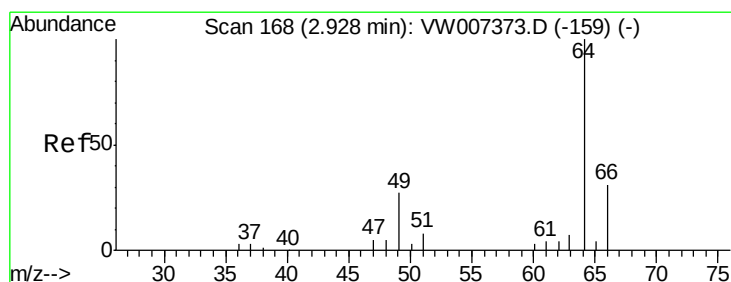
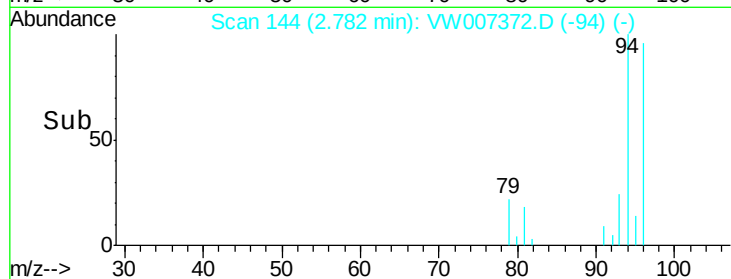
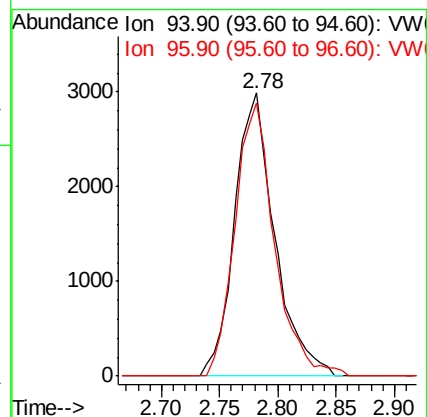
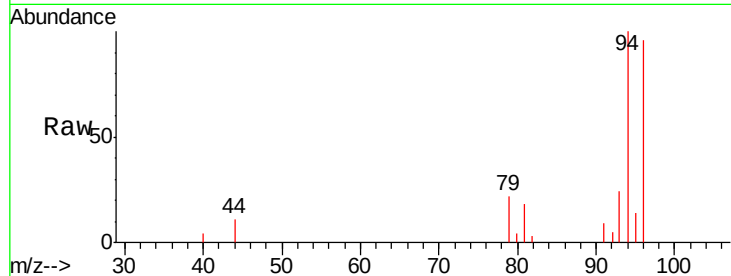
96 96.4 71.0 106.4

Manual Integrations

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#6

Chloroethane

Concen: 19.528 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007372.D

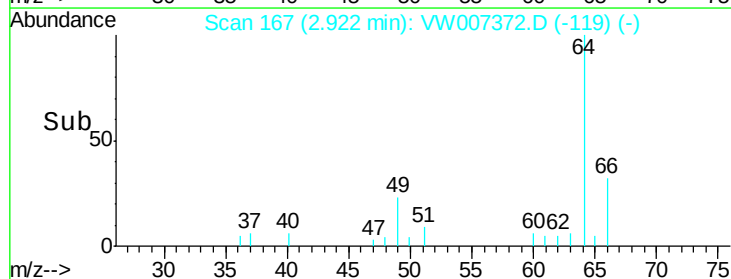
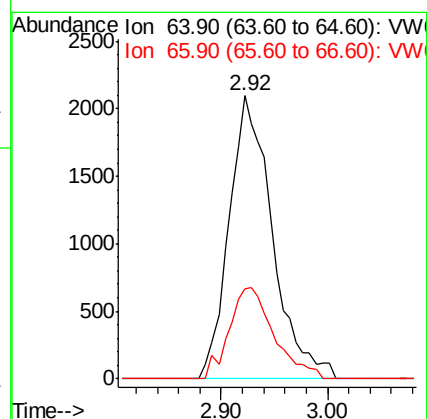
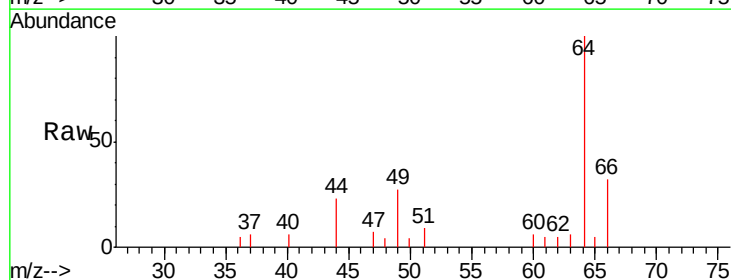
Acq: 10 Dec 2018 23:40

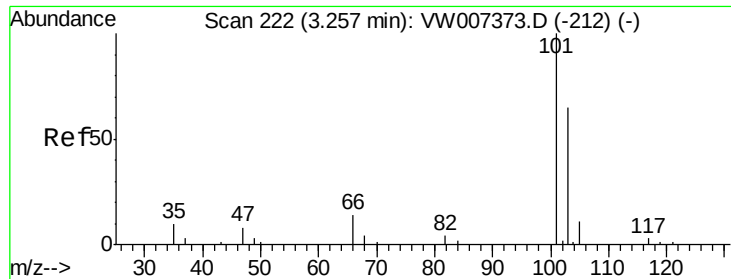
Tgt Ion: 64 Resp: 5949

Ion Ratio Lower Upper

64 100

66 31.8 24.6 37.0





#7

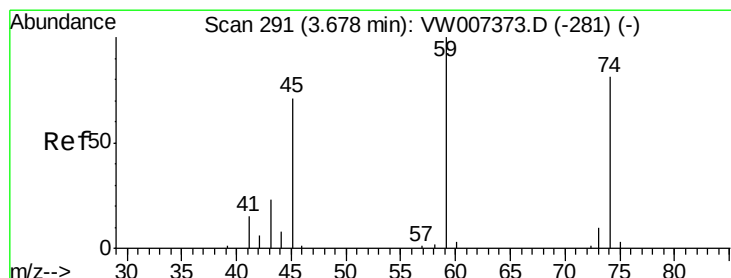
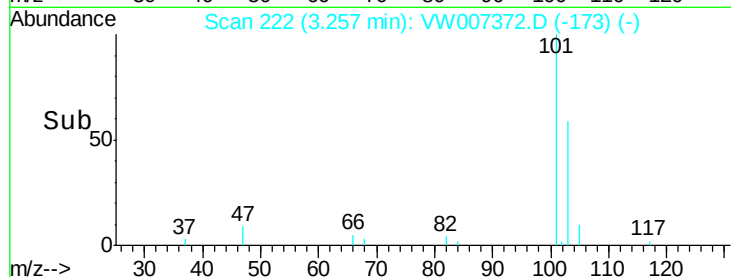
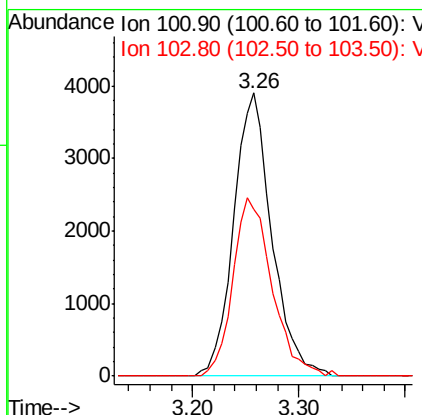
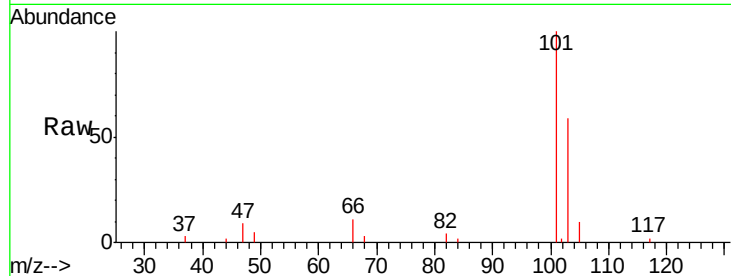
Trichlorofluoromethane
Concen: 19.674 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

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ClientSampleId :
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Tgt Ion: 101 Resp: 9789
Ion Ratio Lower Upper
101 100
103 58.8 51.7 77.5

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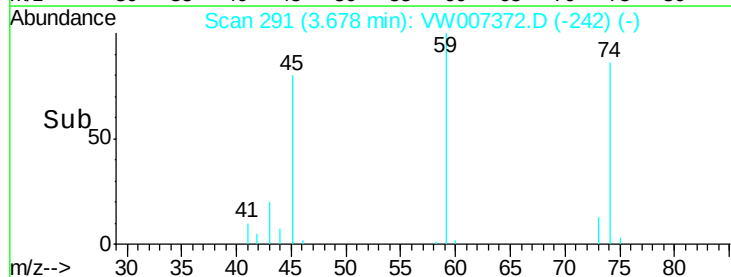
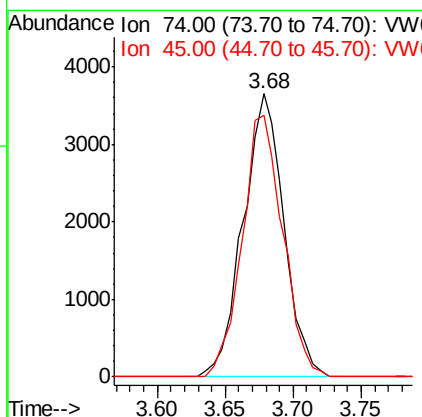
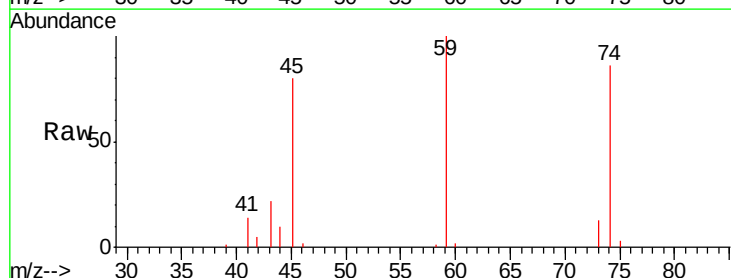
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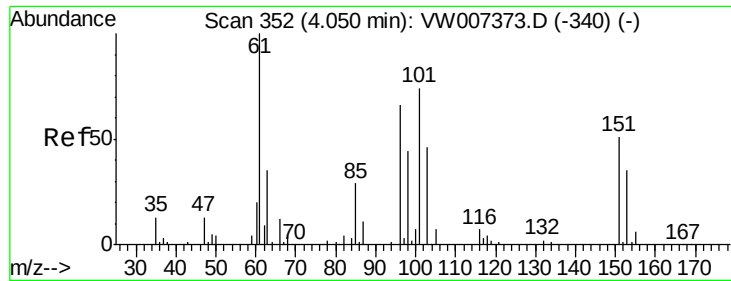


#8

Diethyl Ether
Concen: 19.678 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion: 74 Resp: 7663
Ion Ratio Lower Upper
74 100
45 91.9 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.423 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

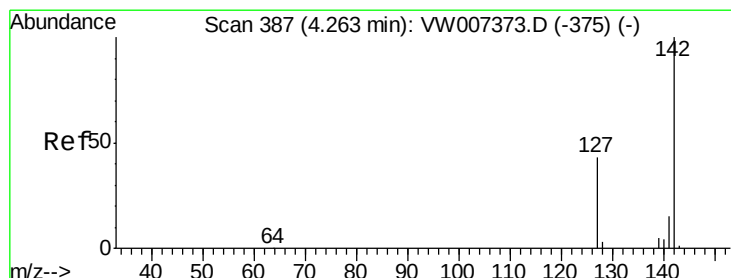
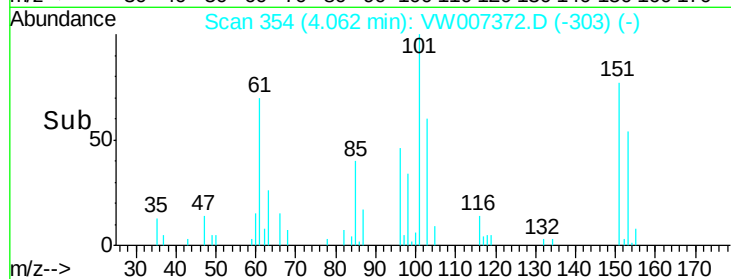
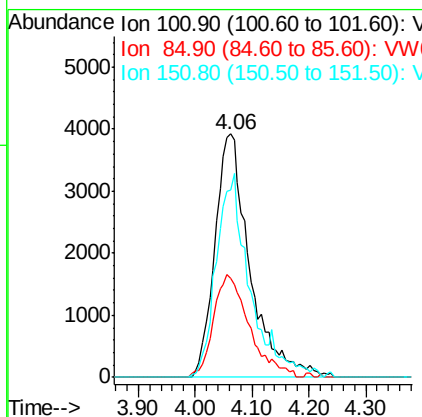
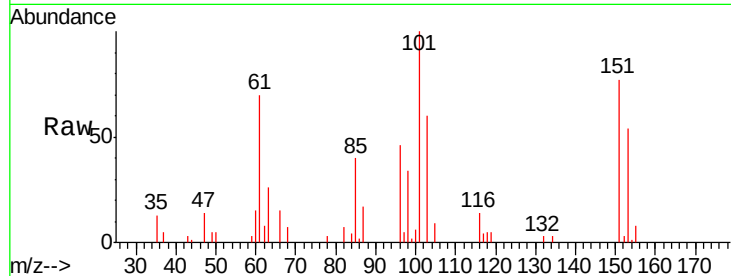
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	16767
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.9	50.9
151	80.7	63.7	95.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.615 ug/l

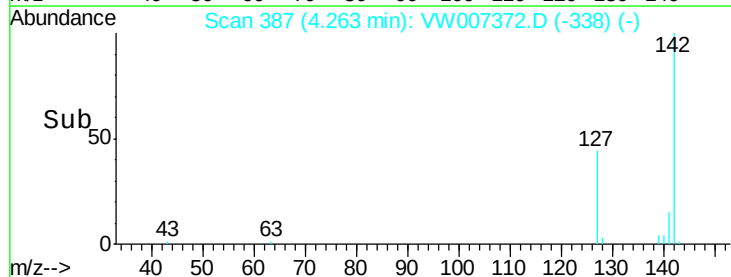
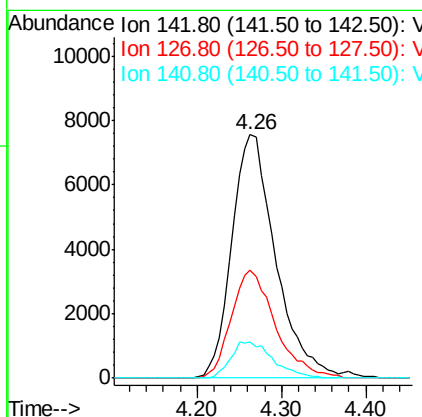
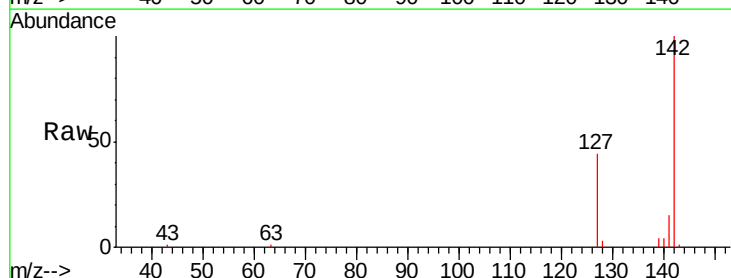
RT: 4.26 min Scan# 387

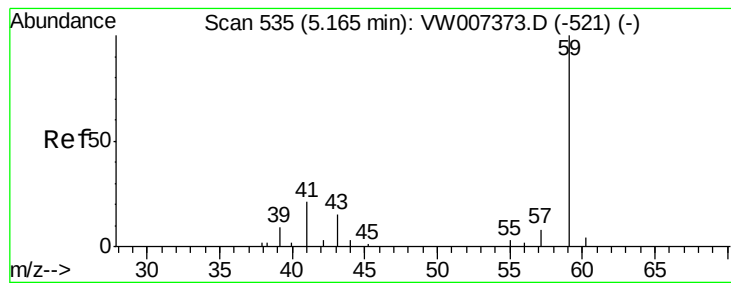
Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Tgt Ion:	142	Resp:	26670
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.8	53.6
141	14.5	11.1	16.7





#11

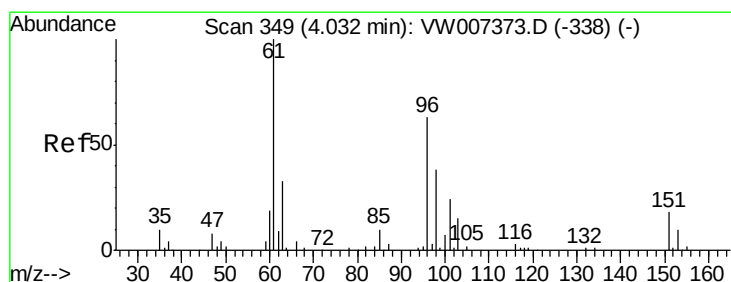
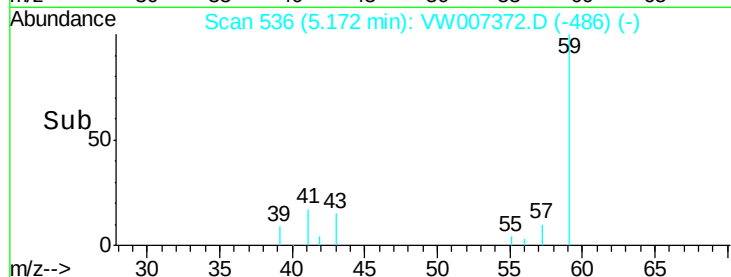
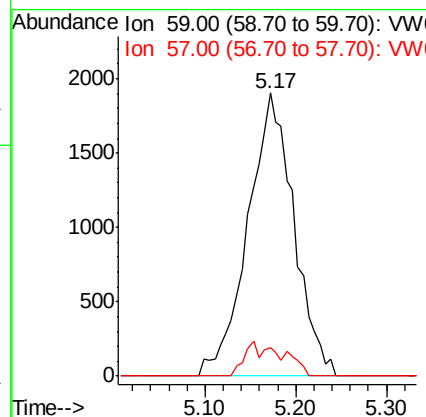
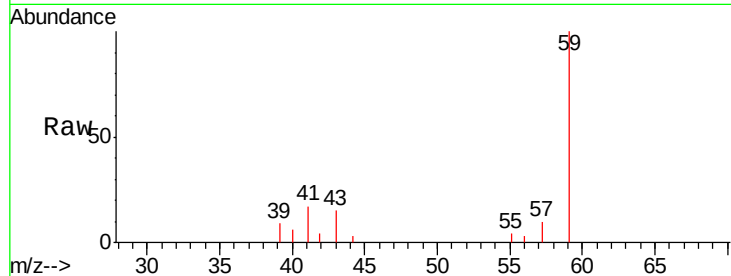
Tert butyl alcohol
Concen: 108.950 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 59 Resp: 6689
Ion Ratio Lower Upper
59 100
57 3.9 7.6 11.4#

Manual Integrations
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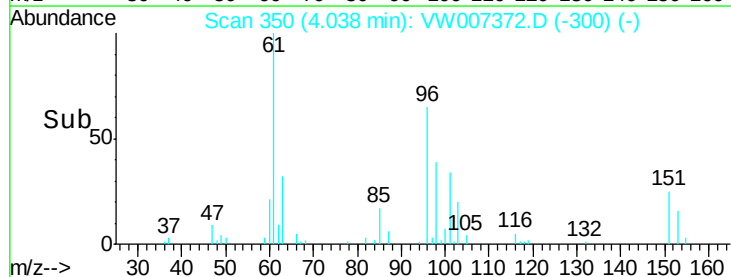
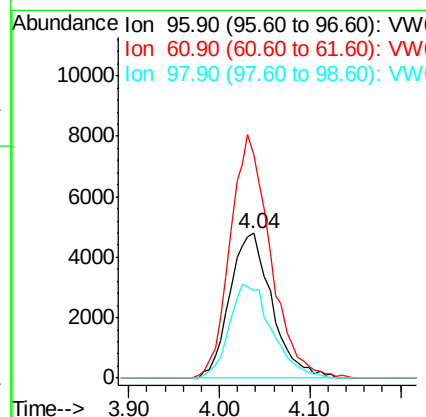
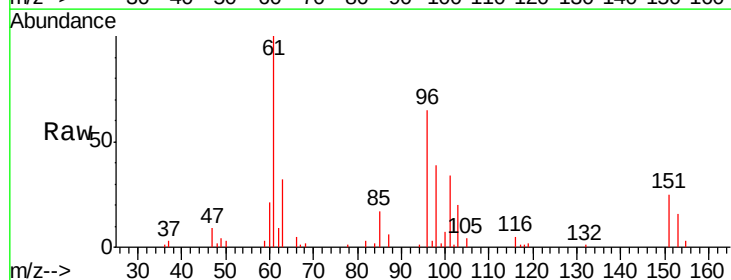
MMDadoda
12/11/2018 4:55:33 PM

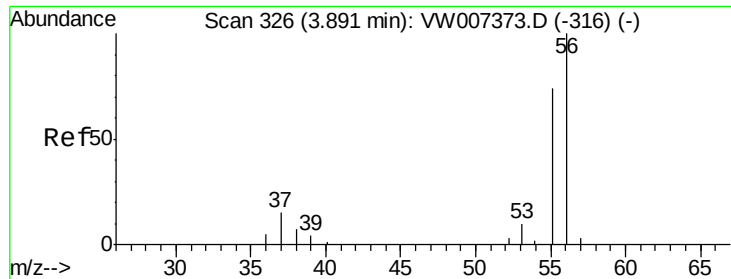


#12

1,1-Dichloroethene
Concen: 19.607 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion: 96 Resp: 15498
Ion Ratio Lower Upper
96 100
61 154.5 126.2 189.2
98 60.7 48.3 72.5





#13

Acrolein

Concen: 114.019 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 4632

Ion Ratio Lower Upper

56 100

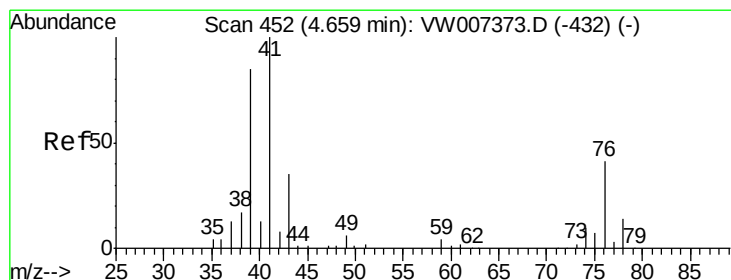
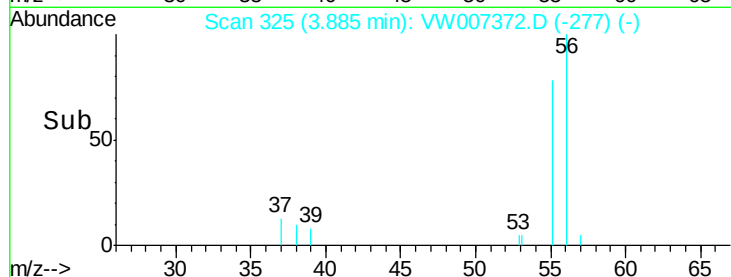
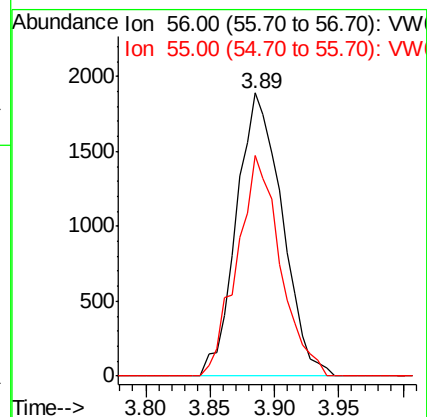
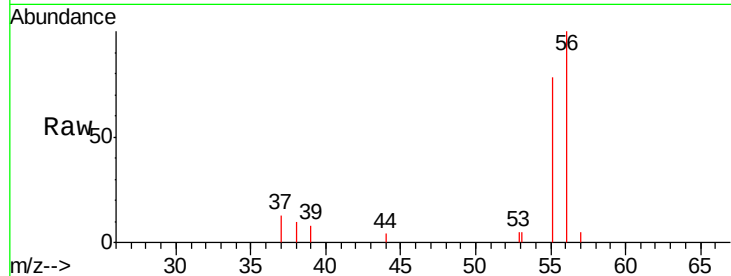
55 74.1 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.144 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

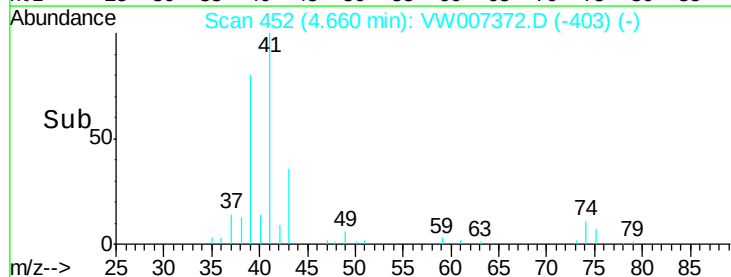
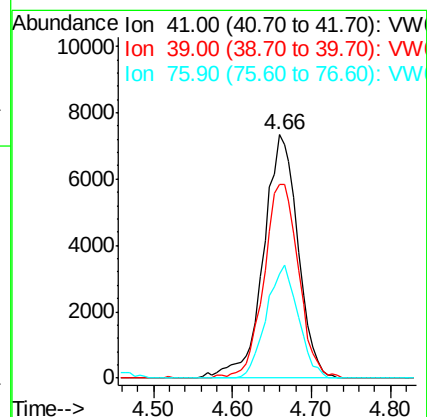
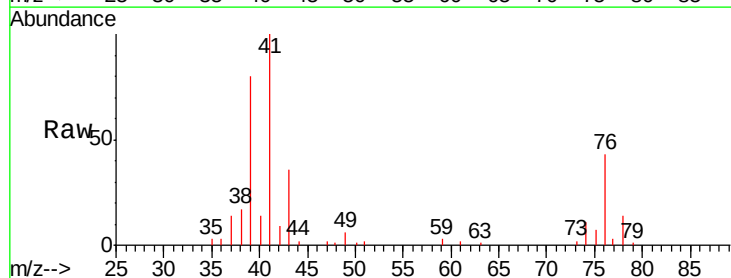
Tgt Ion: 41 Resp: 22305

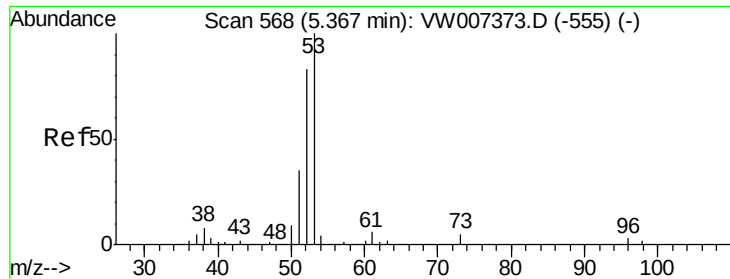
Ion Ratio Lower Upper

41 100

39 80.1 63.4 95.2

76 42.8 32.1 48.1





#15

Acrylonitrile

Concen: 107.246 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

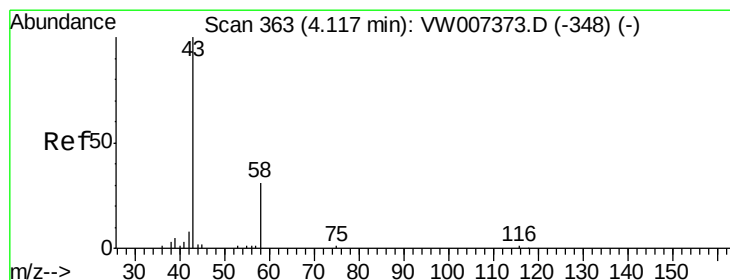
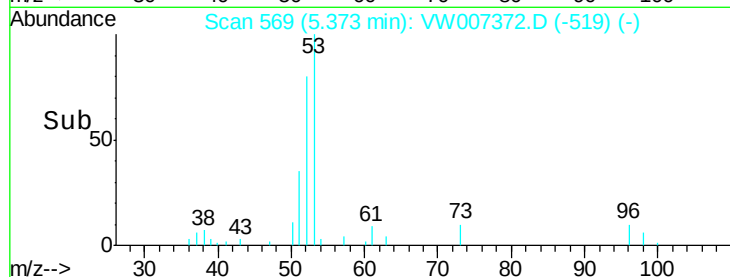
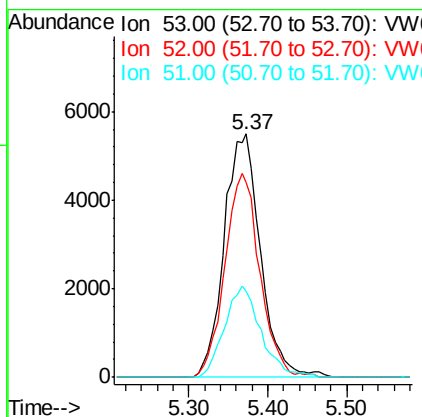
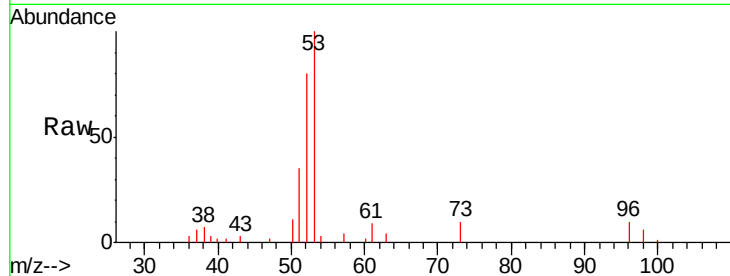
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	17606
Ion	Ratio	Lower	Upper
53	100		
52	80.8	67.4	101.2
51	37.7	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 105.215 ug/l

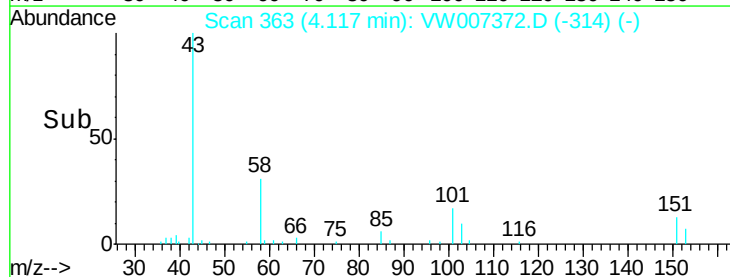
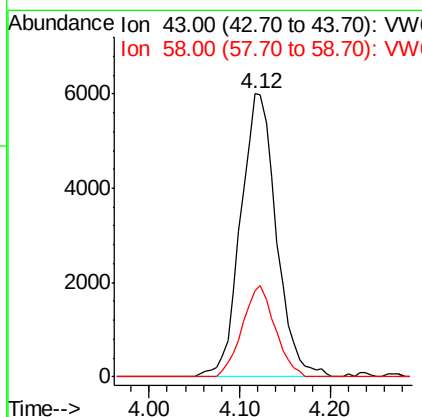
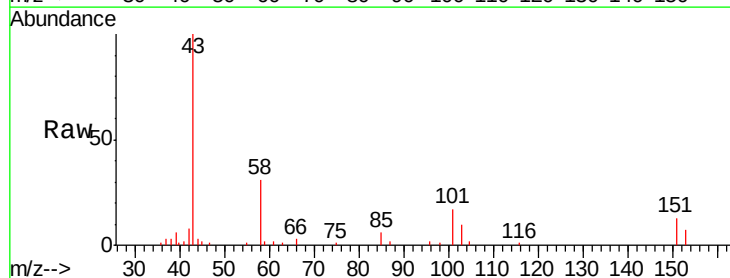
RT: 4.12 min Scan# 363

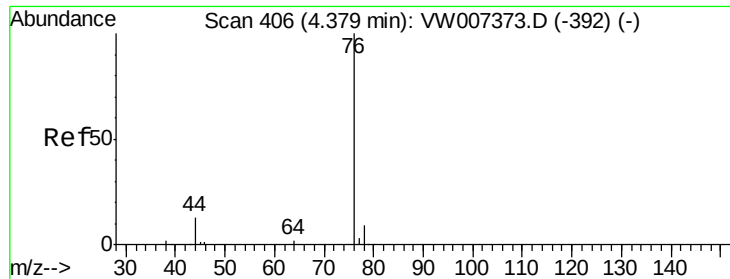
Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Tgt Ion:	43	Resp:	16429
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.9	37.3





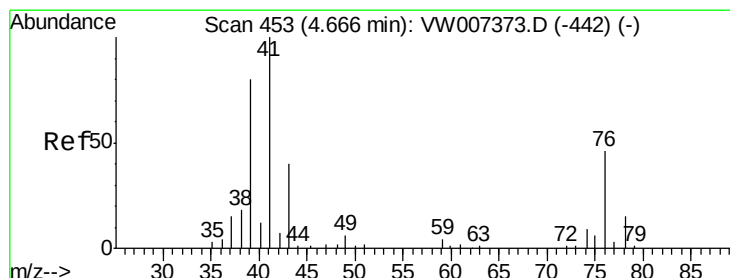
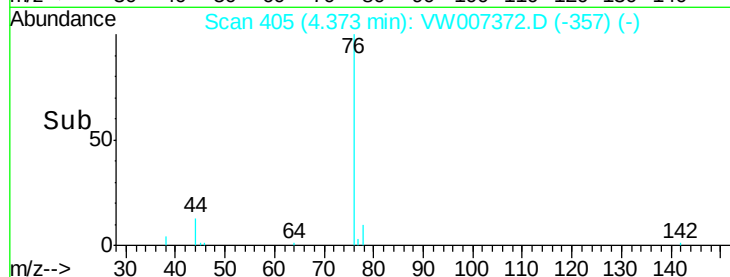
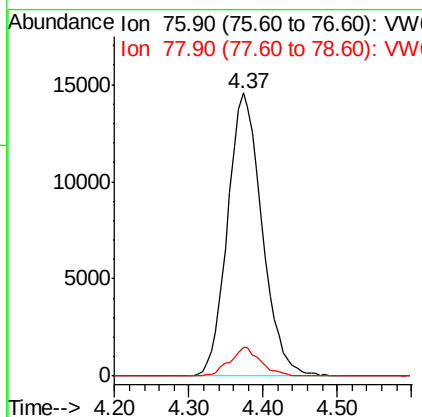
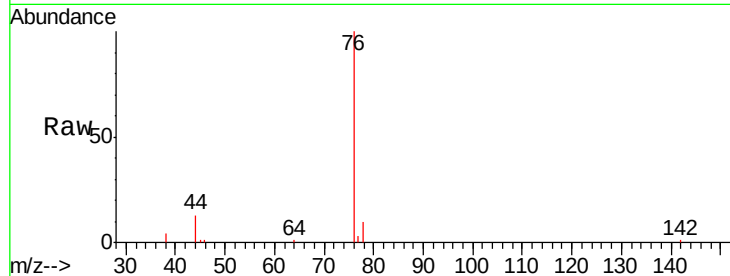
#17
Carbon Disulfide
Concen: 19.716 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 47254
Ion Ratio Lower Upper
76 100
78 10.3 7.1 10.7

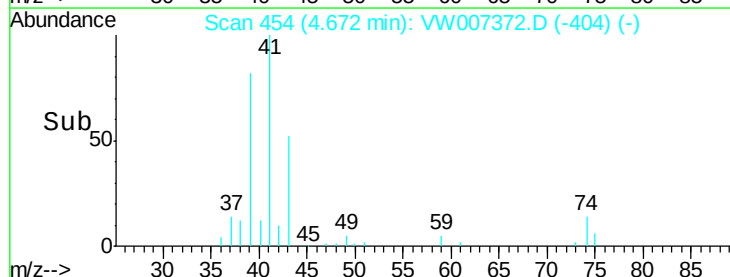
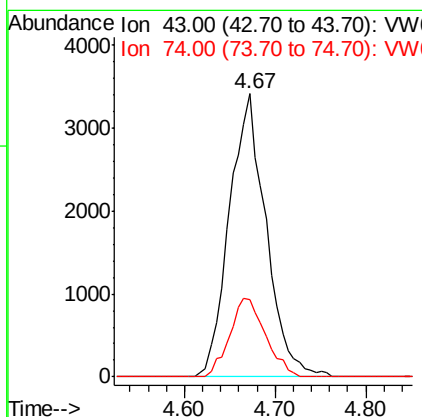
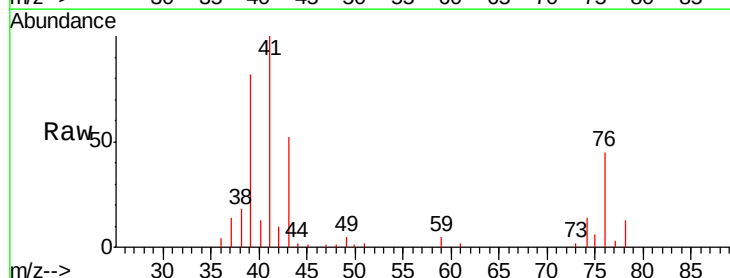
Manual Integrations
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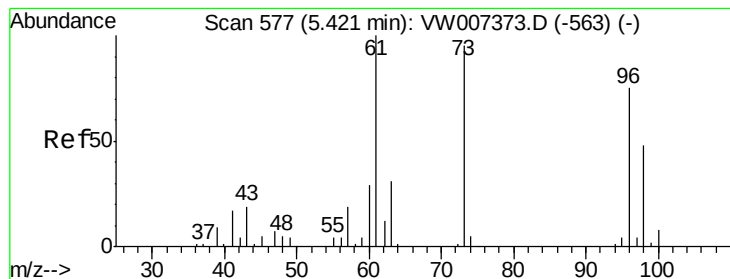
MMDadoda
12/11/2018 4:55:33 PM



#18
Methyl Acetate
Concen: 22.563 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion: 43 Resp: 9562
Ion Ratio Lower Upper
43 100
74 27.0 21.1 31.7





#19

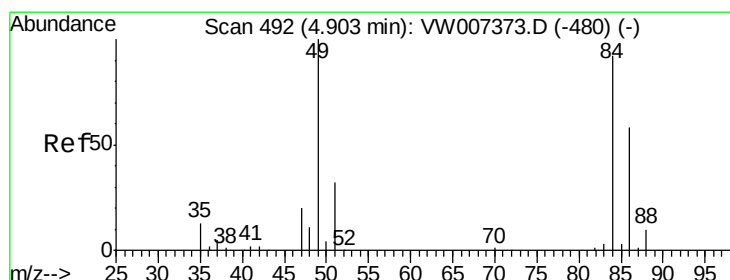
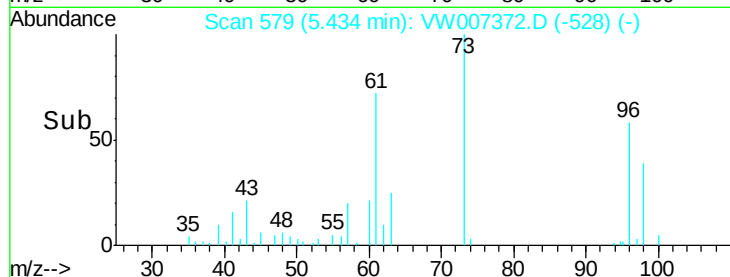
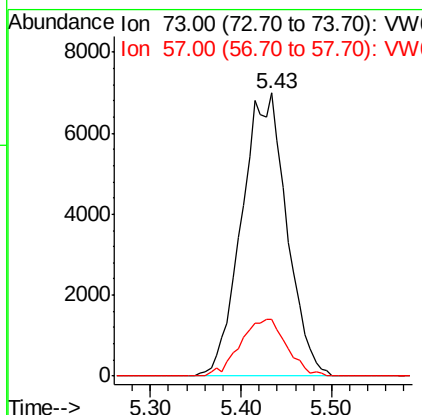
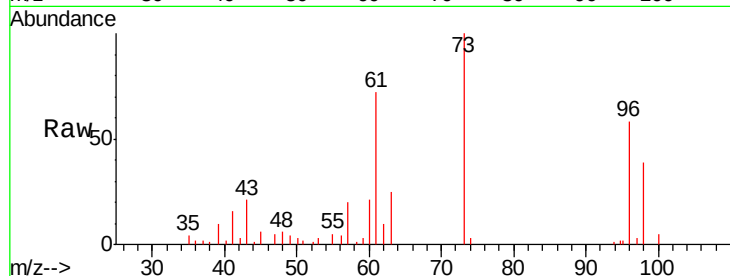
Methyl tert-butyl Ether
 Concen: 20.206 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 73 Resp: 24095
 Ion Ratio Lower Upper
 73 100
 57 20.2 16.4 24.6

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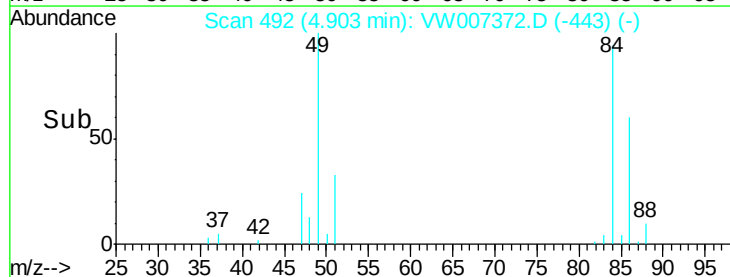
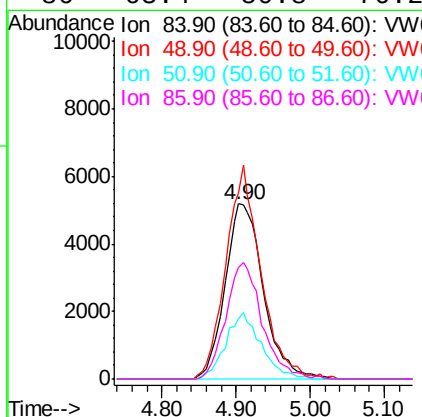
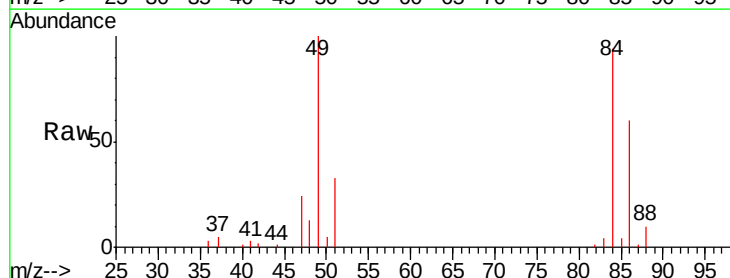
MMDadoda
 12/11/2018 4:55:33 PM

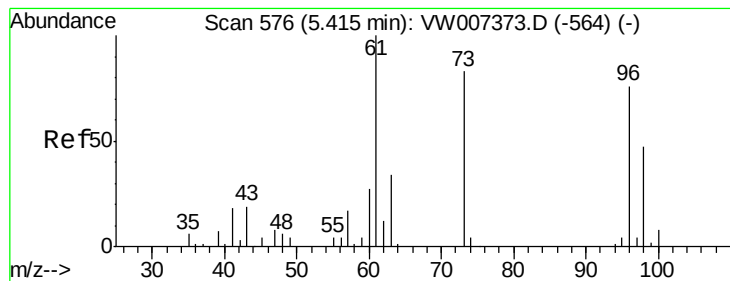


#20

Methylene Chloride
 Concen: 18.802 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Tgt Ion: 84 Resp: 18620
 Ion Ratio Lower Upper
 84 100
 49 106.2 87.1 130.7
 51 34.7 28.2 42.2
 86 63.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.757 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 17470

Ion Ratio Lower Upper

96 100

61 139.0 105.0 157.6

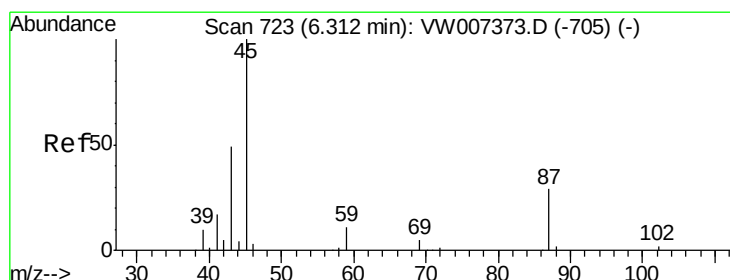
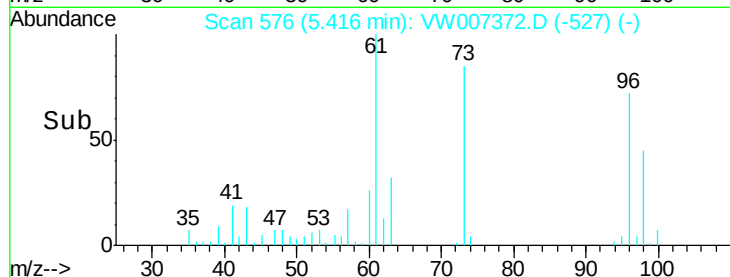
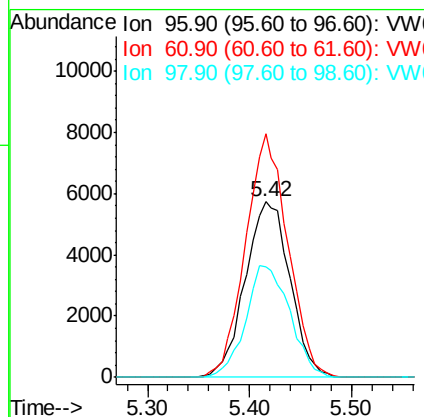
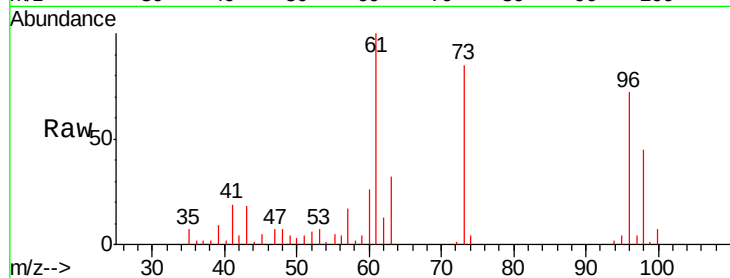
98 63.1 49.7 74.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.645 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Tgt Ion: 45 Resp: 43995

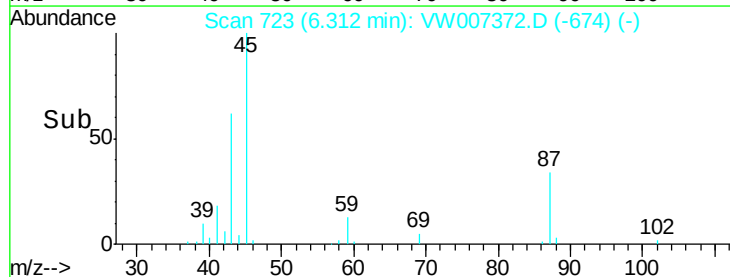
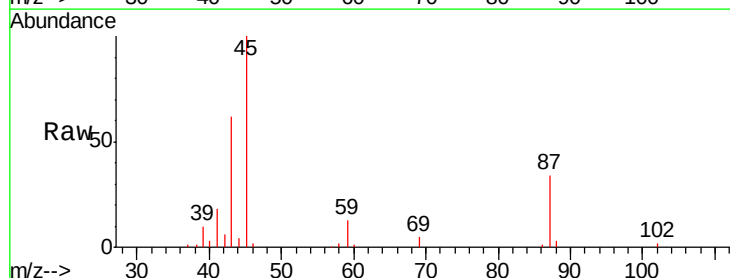
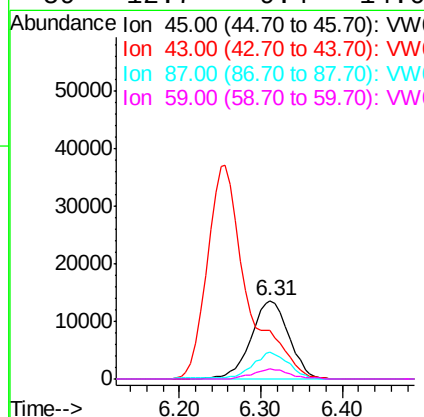
Ion Ratio Lower Upper

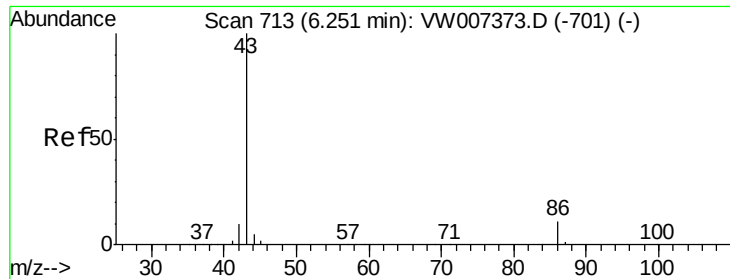
45 100

43 60.8 41.6 62.4

87 34.2 24.3 36.5

59 12.7 9.4 14.0





#23

Vinyl Acetate

Concen: 100.568 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 125977

Ion Ratio Lower Upper

43 100

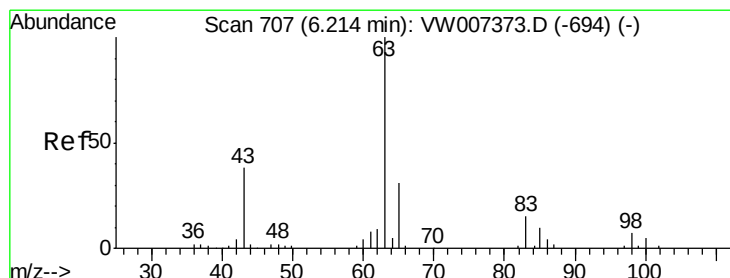
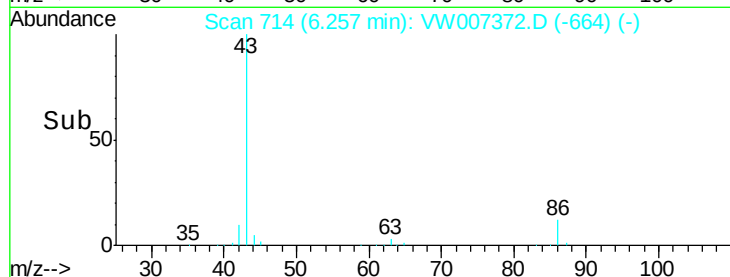
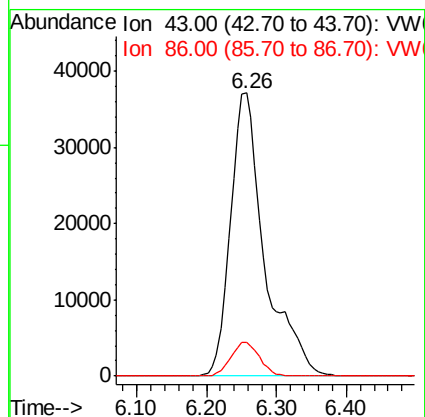
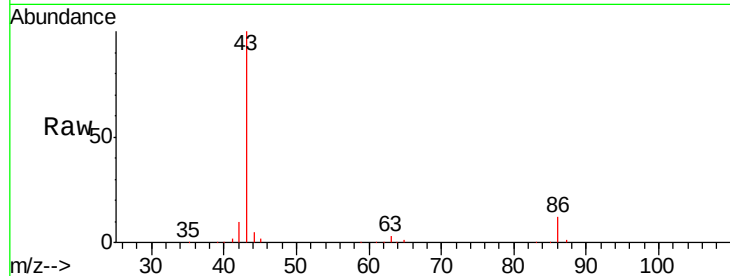
86 11.9 8.6 12.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 19.581 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

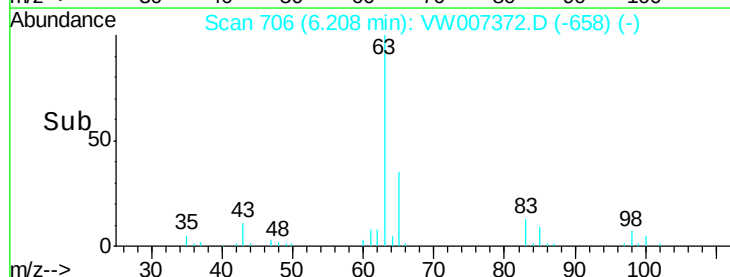
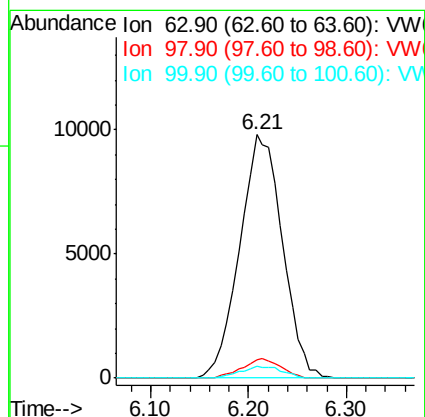
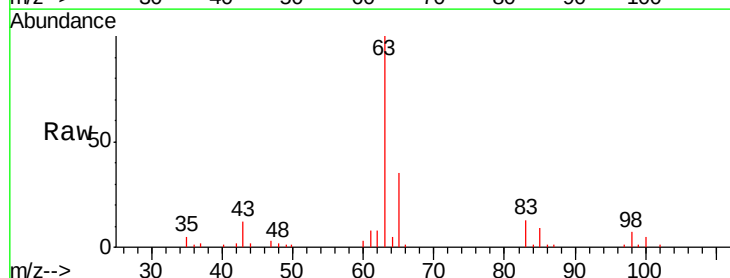
Tgt Ion: 63 Resp: 29638

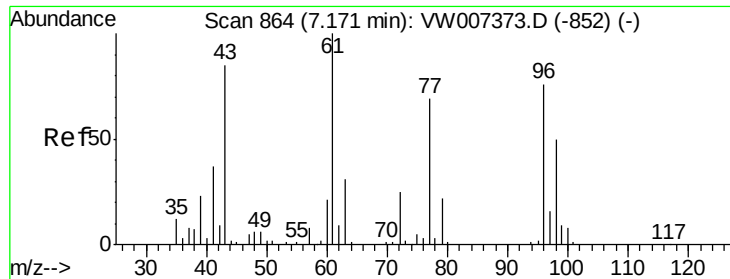
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.9 2.5 7.5





#25

2-Butanone

Concen: 105.823 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 21572

Ion Ratio Lower Upper

43 100

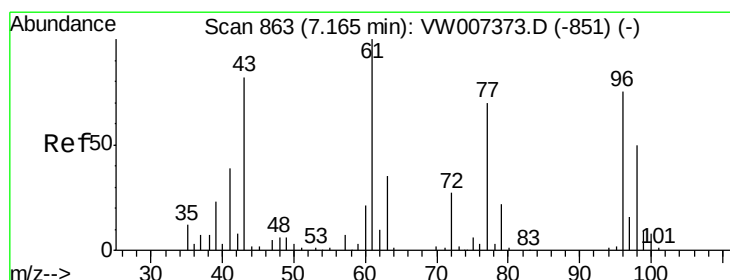
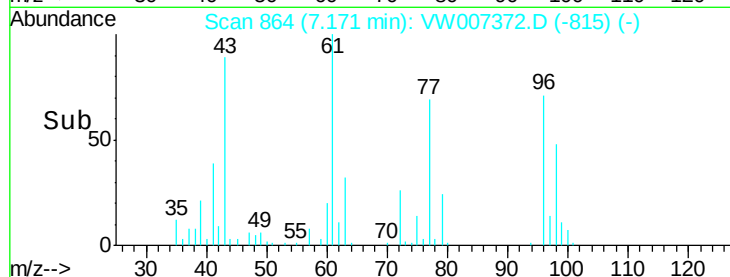
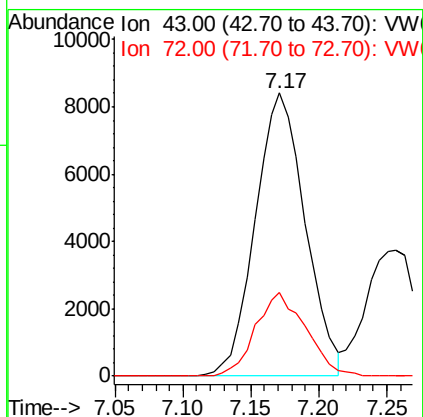
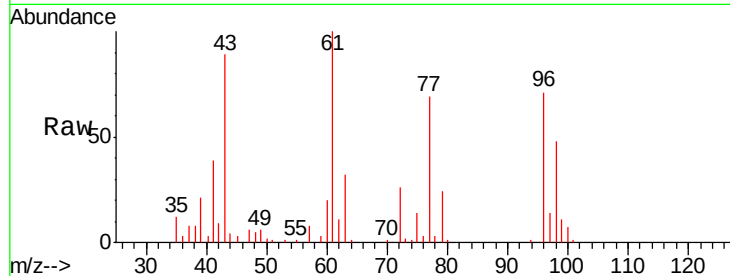
72 29.6 23.4 35.2

Manual Integrations

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12/11/2018 4:55:33 PM



#26

2,2-Dichloropropane

Concen: 20.150 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007372.D

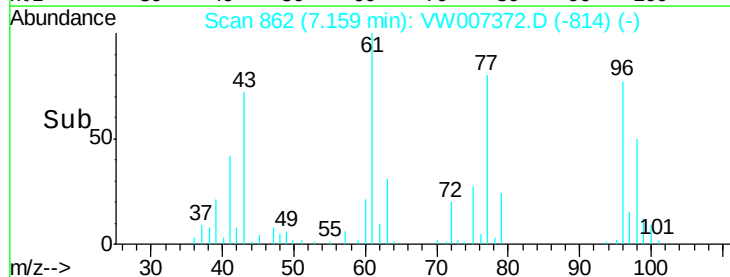
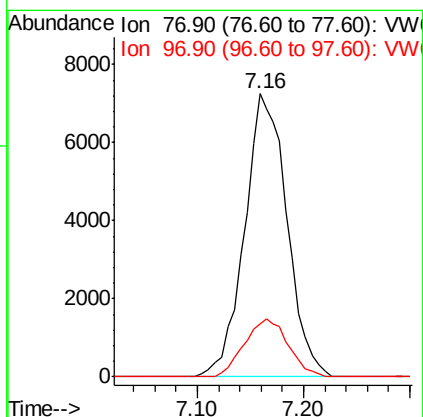
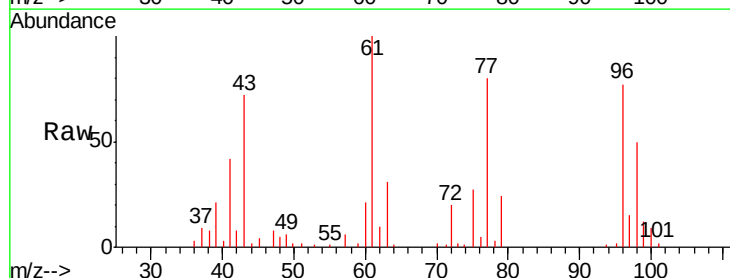
Acq: 10 Dec 2018 23:40

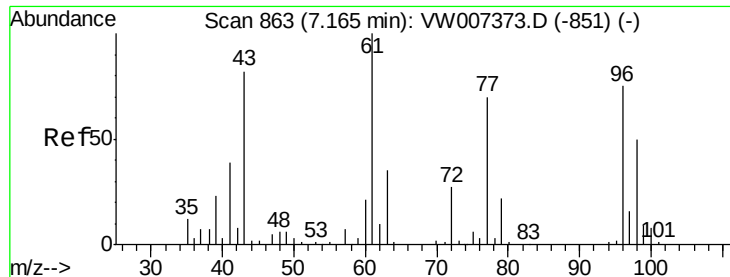
Tgt Ion: 77 Resp: 20185

Ion Ratio Lower Upper

77 100

97 21.1 11.6 34.8





#27

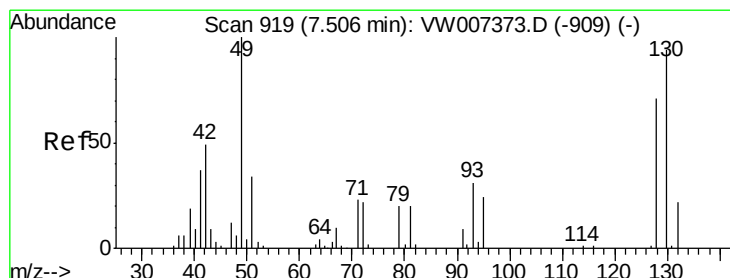
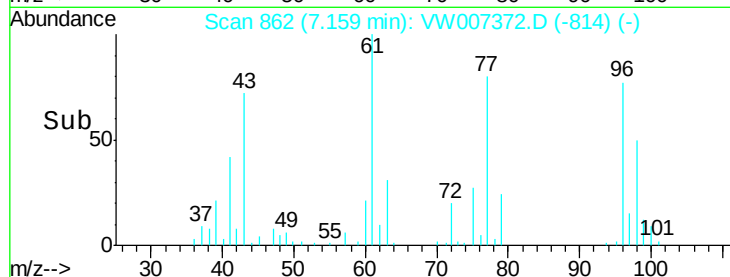
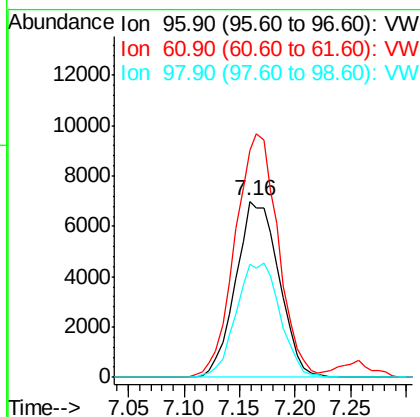
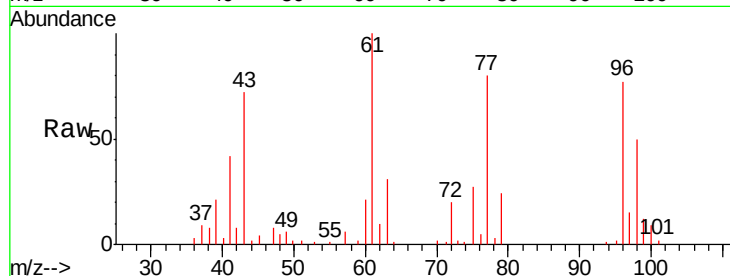
cis-1,2-Dichloroethene
Concen: 19.485 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	268.4
98	66.1	0.0	127.8

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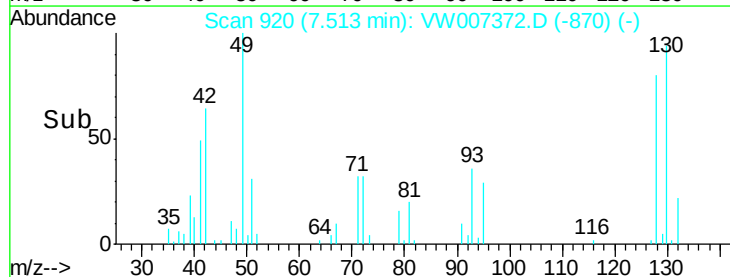
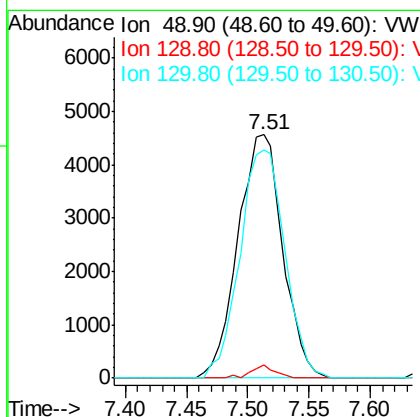
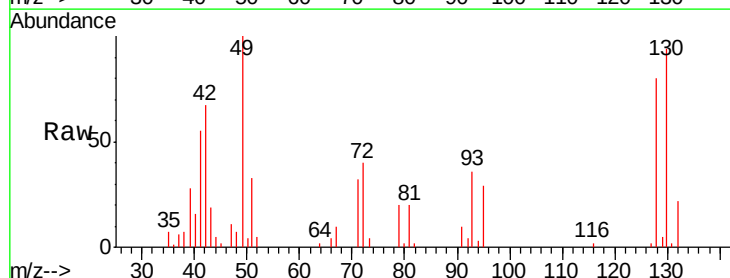
MMDadoda
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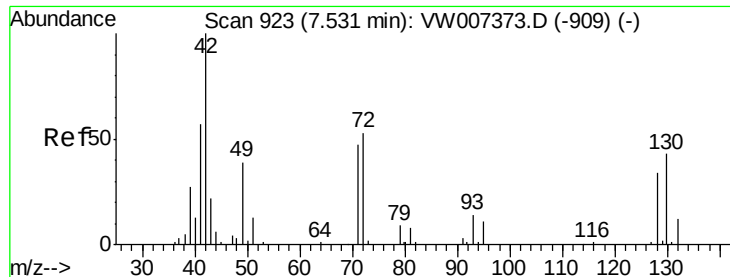


#28

Bromochloromethane
Concen: 20.413 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	2.6#
130	94.2	75.9	113.9





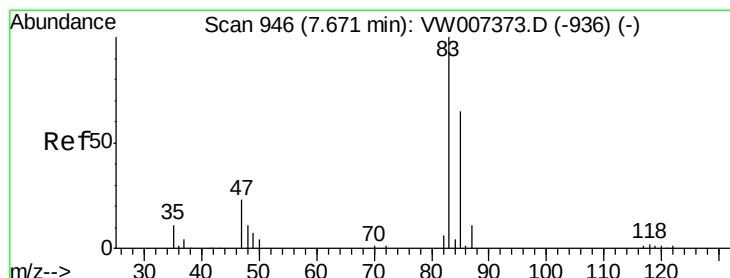
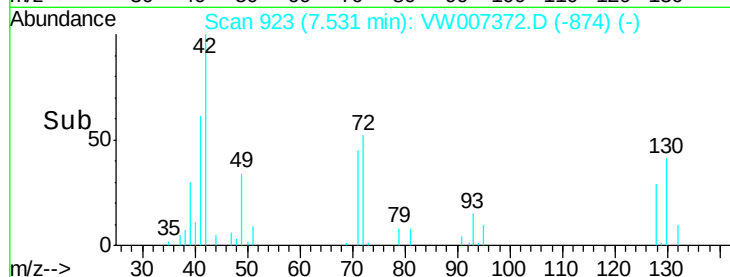
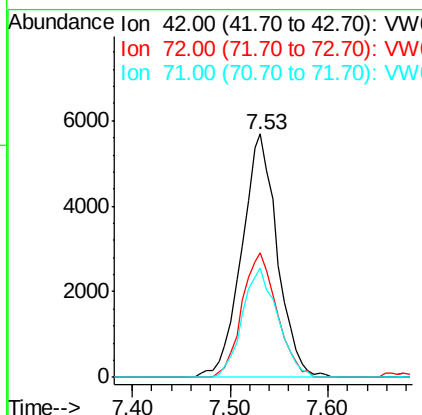
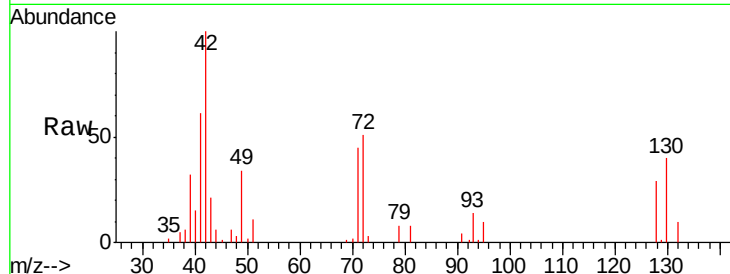
#29
Tetrahydrofuran
Concen: 111.228 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.3	38.2	57.4
71	44.4	35.5	53.3

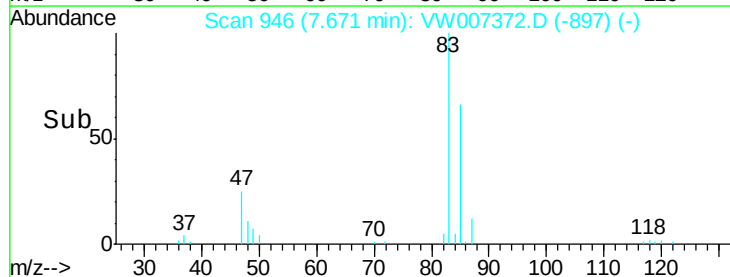
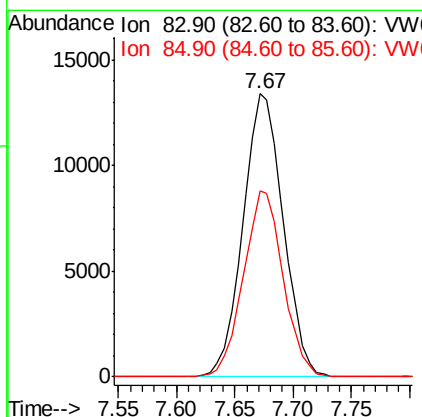
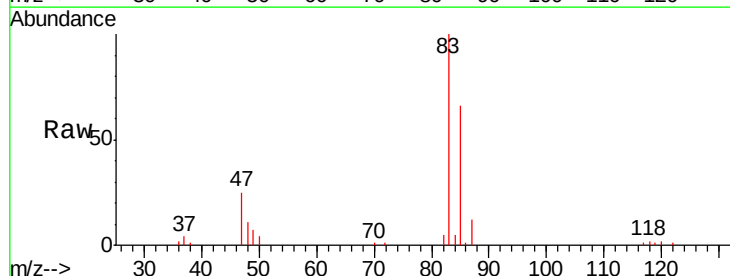
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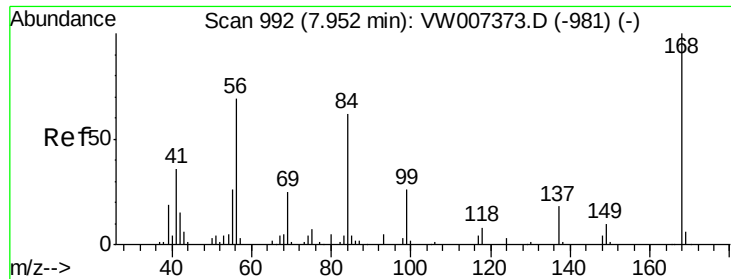
MMDadoda
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#30
Chloroform
Concen: 19.491 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8





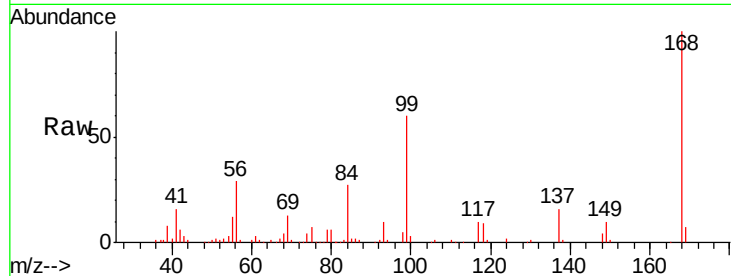
#31
Cyclohexane
Concen: 19.494 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

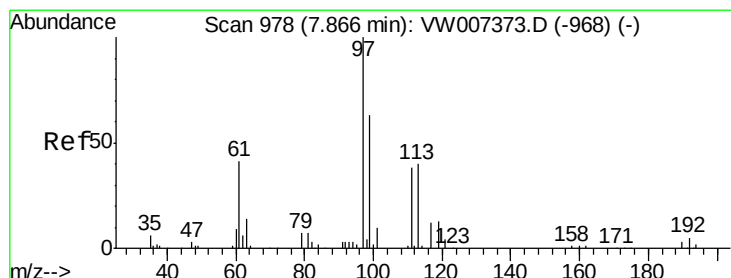
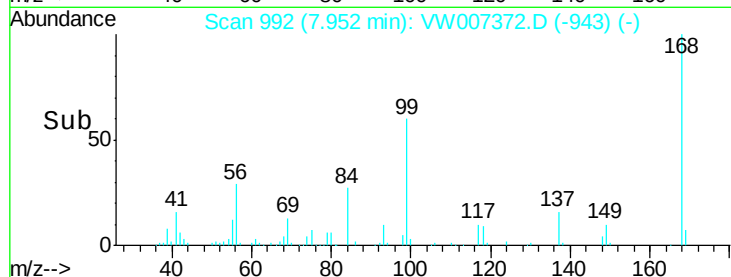
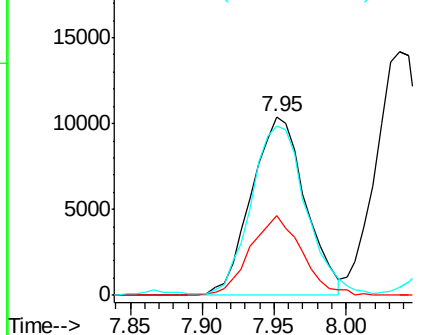
Tgt Ion: 56 Resp: 27072
Ion Ratio Lower Upper
56 100
69 44.8 28.9 43.3#
84 94.5 71.8 107.6

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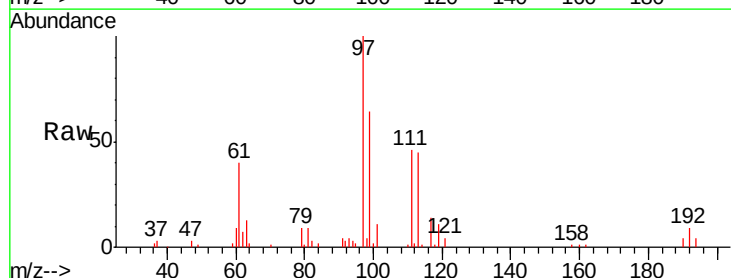


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

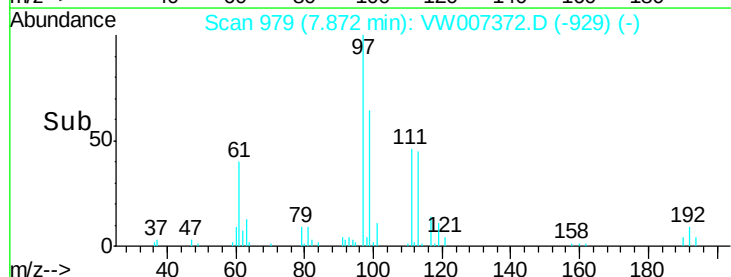
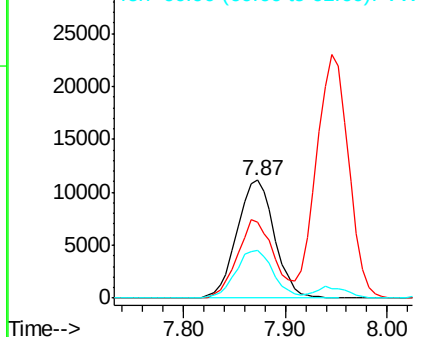


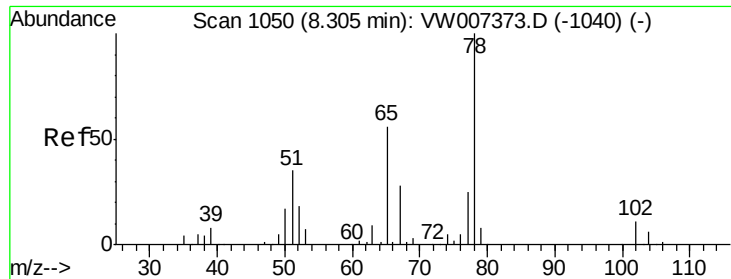
#32
1,1,1-Trichloroethane
Concen: 19.643 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion: 97 Resp: 28374
Ion Ratio Lower Upper
97 100
99 65.8 51.1 76.7
61 40.8 33.2 49.8



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





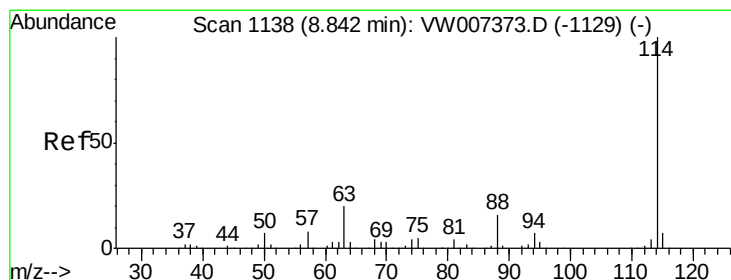
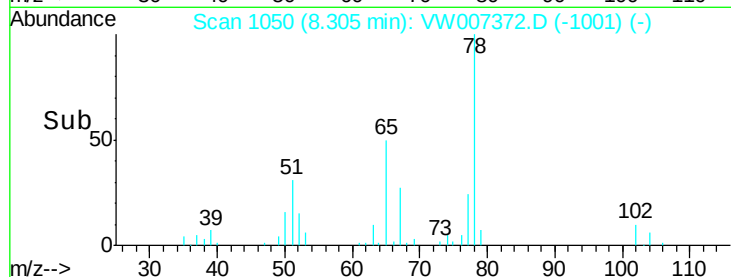
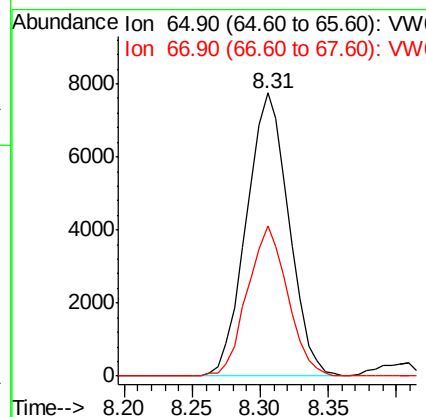
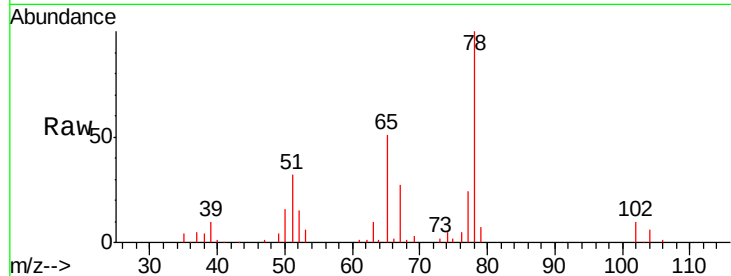
#33
 1,2-Dichloroethane-d4
 Concen: 18.928 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	16921		
67	50.4	0.0	101.6	

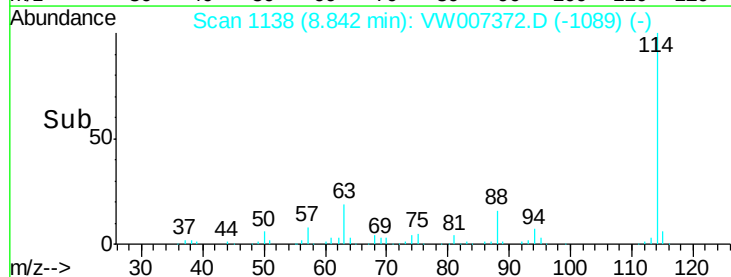
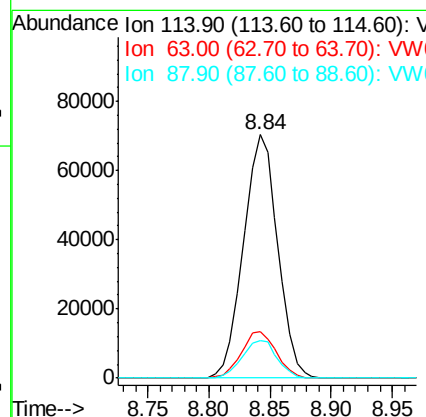
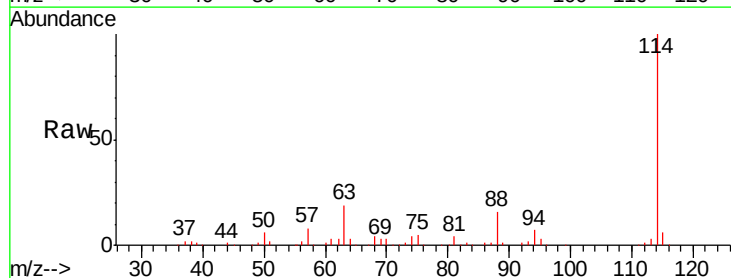
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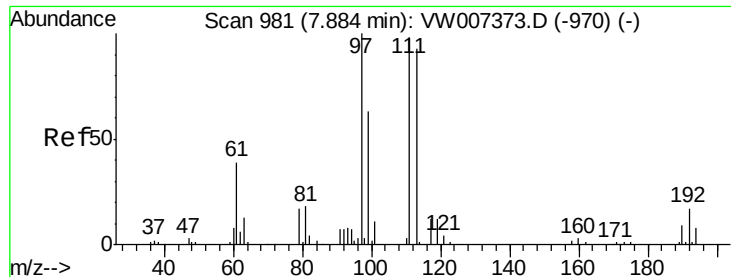
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	136501		
63	19.1	0.0	39.6	
88	15.6	0.0	31.4	





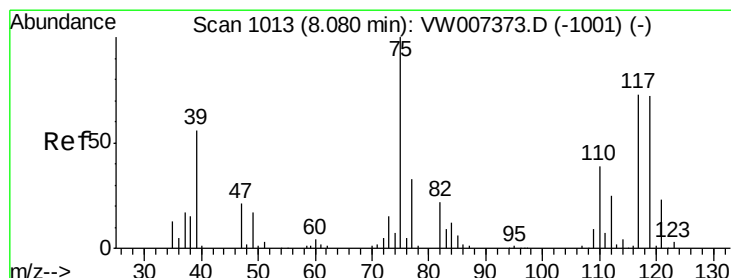
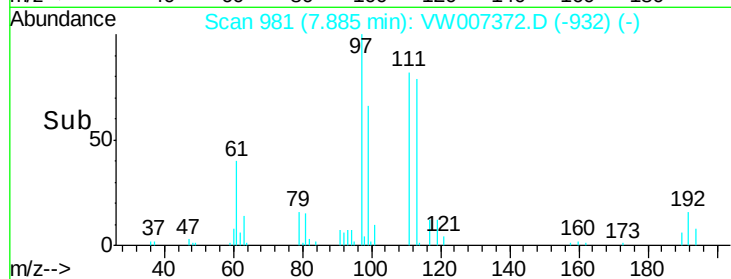
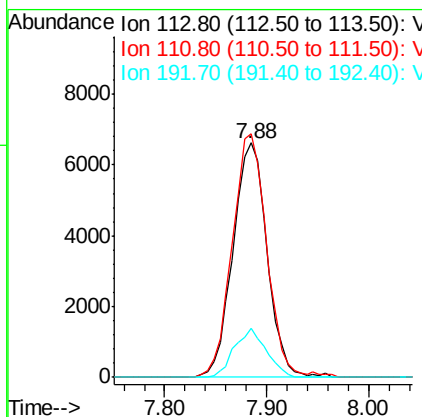
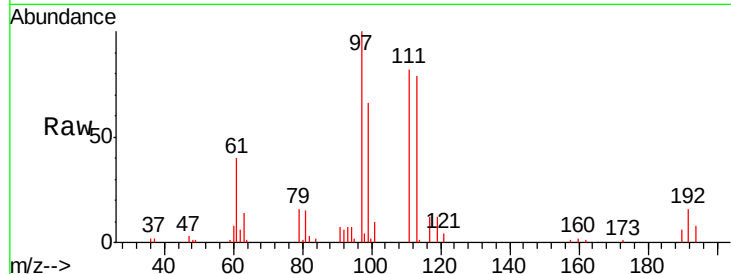
#35
 Dibromofluoromethane
 Concen: 18.555 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	15332		
111	104.1	81.1	121.7	
192	19.4	14.6	21.8	

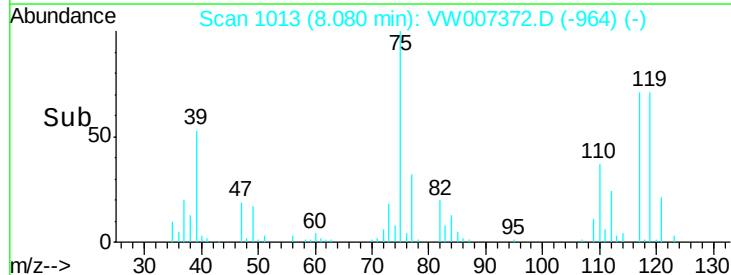
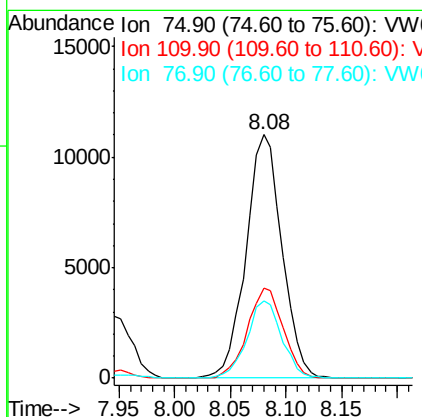
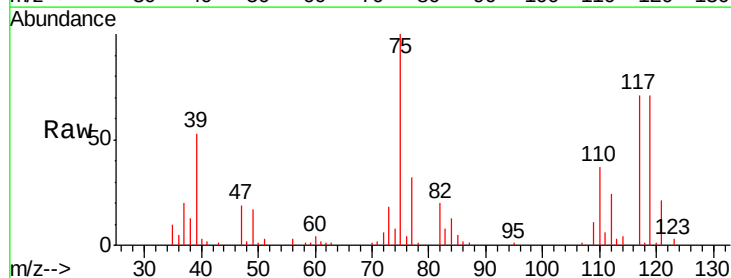
Manual Integrations
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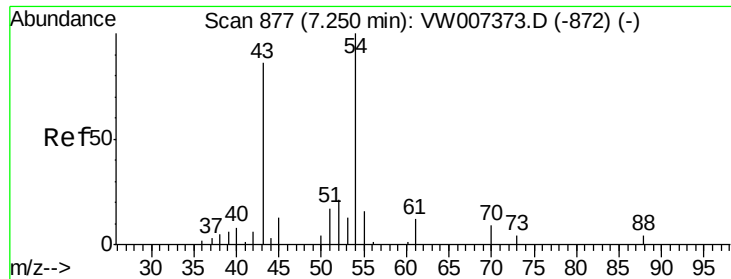
MMDadoda
 12/11/2018 4:55:33 PM



#36
 1,1-Dichloropropene
 Concen: 19.912 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24795		
110	36.7	18.5	55.5	
77	30.7	25.6	38.4	





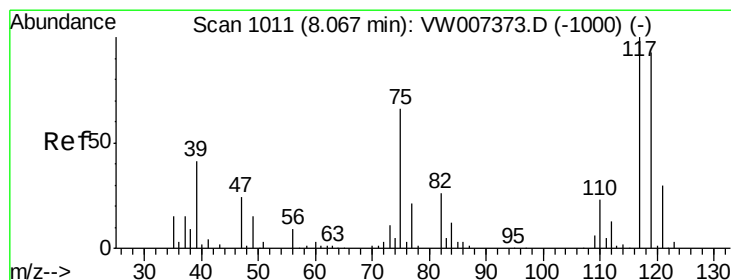
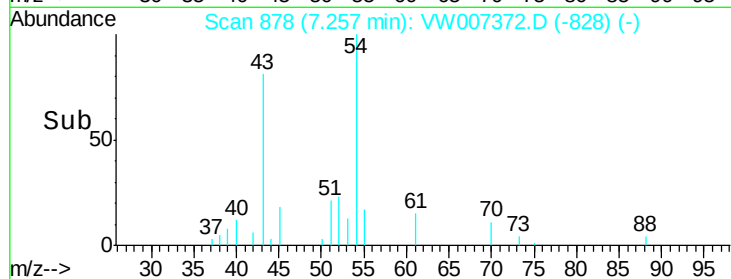
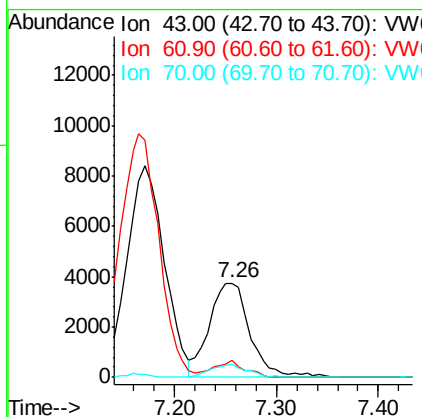
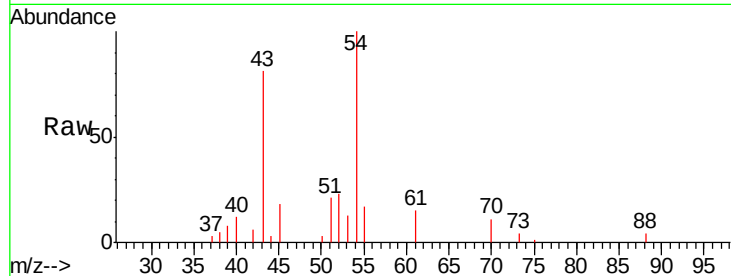
#37
Ethyl Acetate
Concen: 22.497 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 10419
Ion Ratio Lower Upper
43 100
61 13.5 12.1 18.1
70 12.7 10.0 15.0

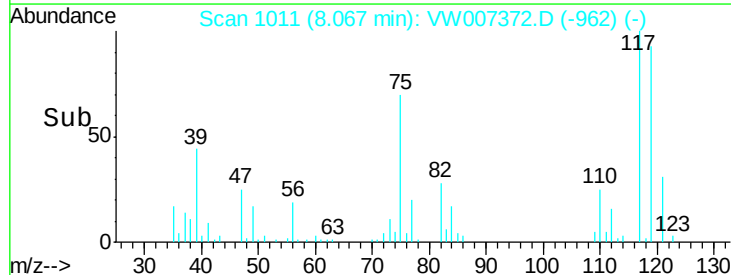
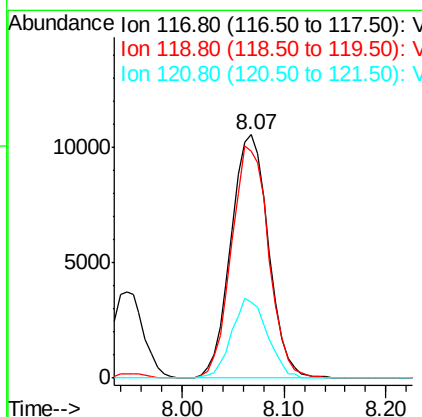
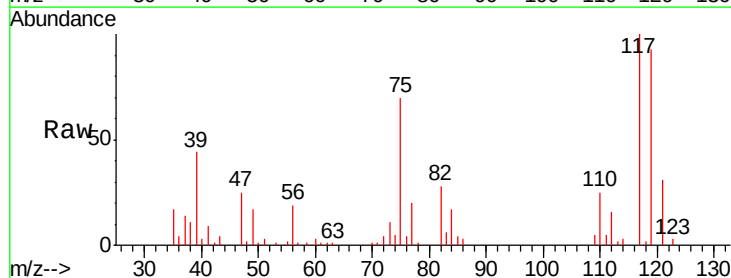
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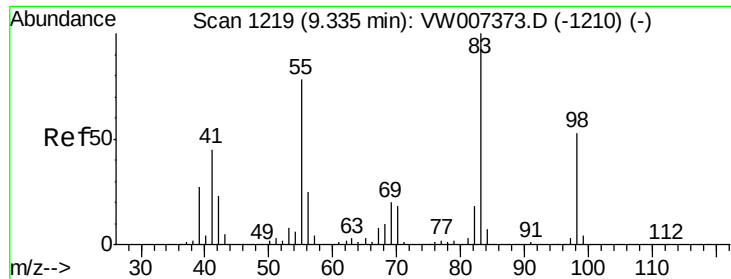
MMDadoda
12/11/2018 4:55:33 PM



#38
Carbon Tetrachloride
Concen: 19.851 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion: 117 Resp: 26896
Ion Ratio Lower Upper
117 100
119 93.1 74.3 111.5
121 31.1 24.3 36.5





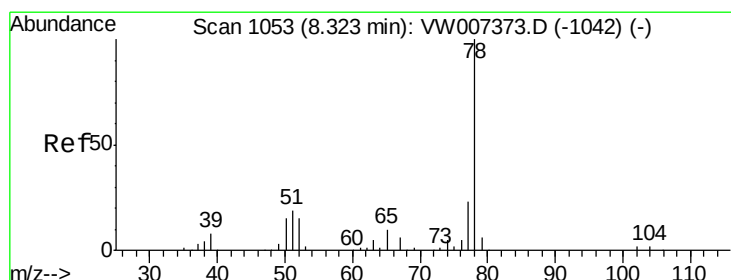
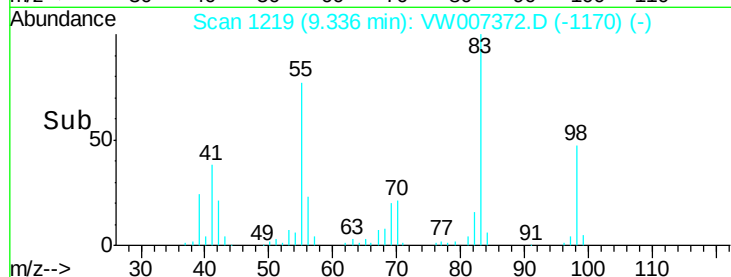
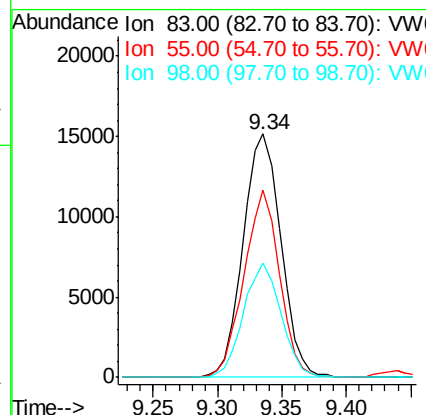
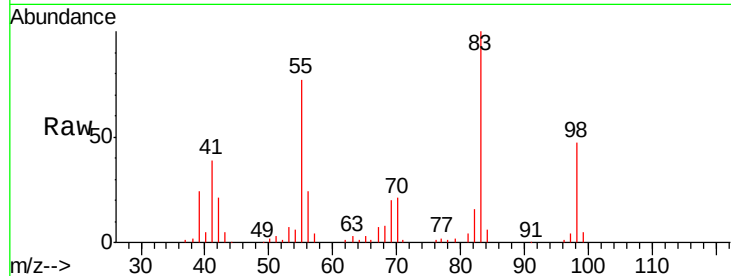
#39
Methylcyclohexane
Concen: 20.435 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	30813		
55	77.0	62.8	94.2	
98	47.0	42.2	63.2	

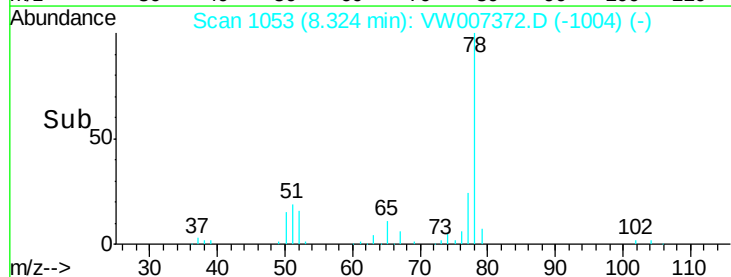
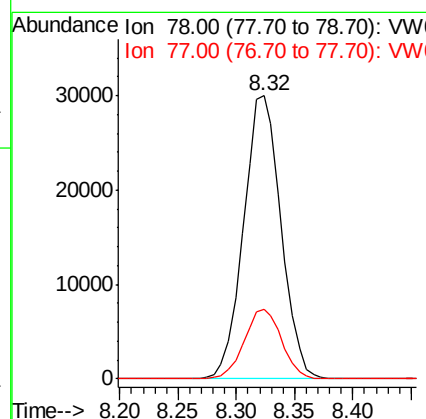
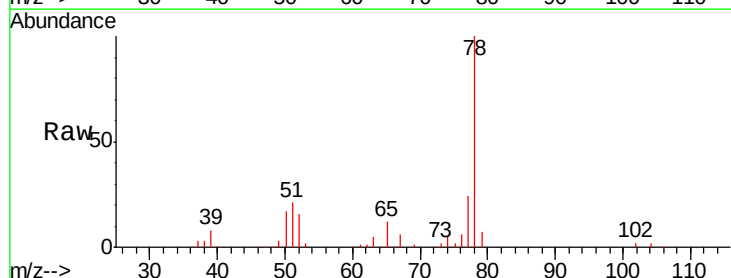
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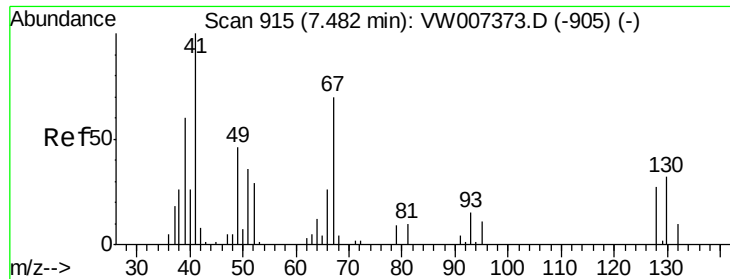
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#40
Benzene
Concen: 19.381 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	66973		
77	24.5	18.8	28.2	





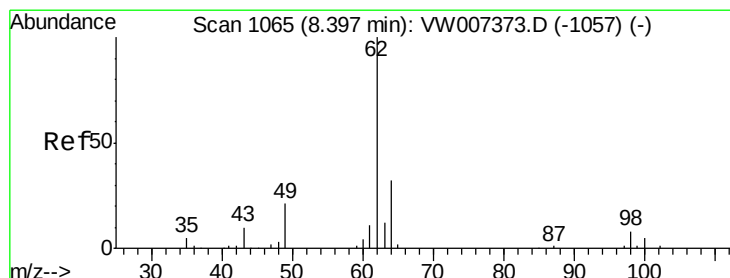
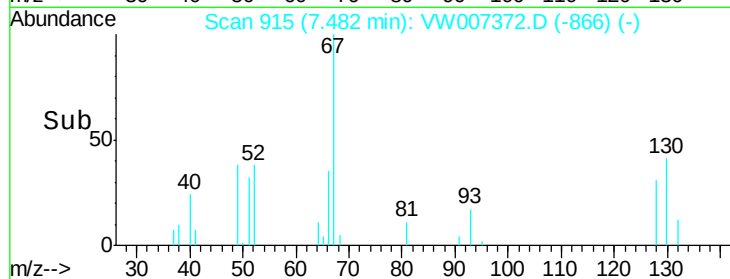
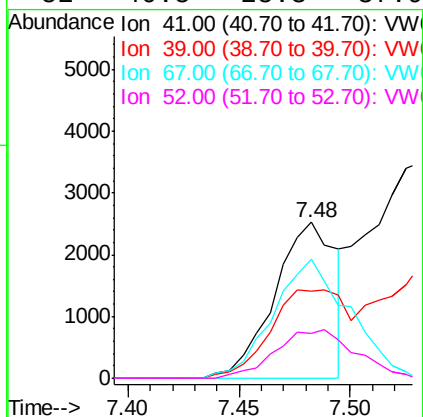
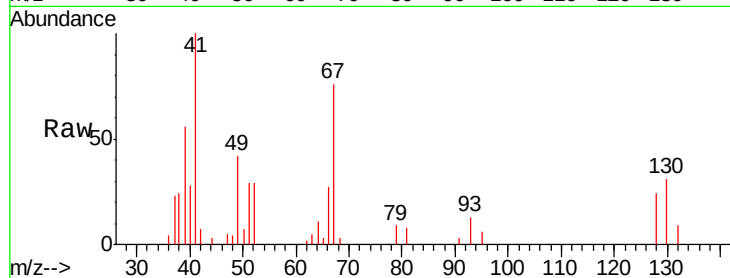
#41
Methacrylonitrile
Concen: 18.374 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	4846
Ion	Ratio	Lower	Upper
41	100		
39	70.4	52.2	78.2
67	93.9	60.5	90.7#
52	40.5	25.3	37.9#

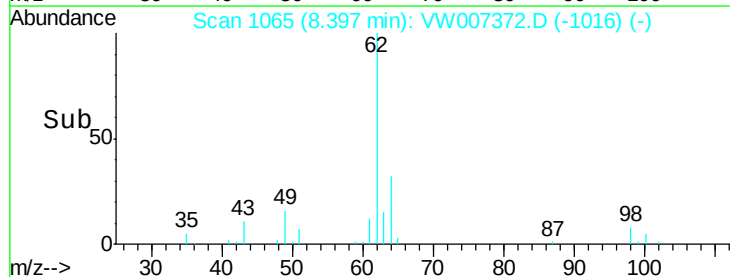
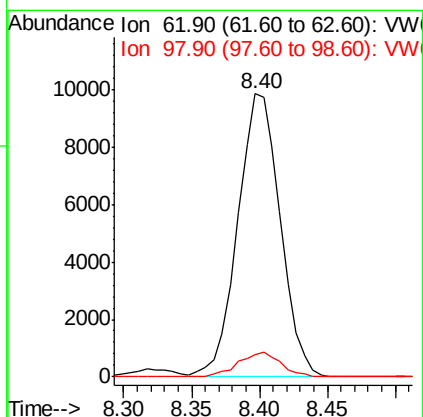
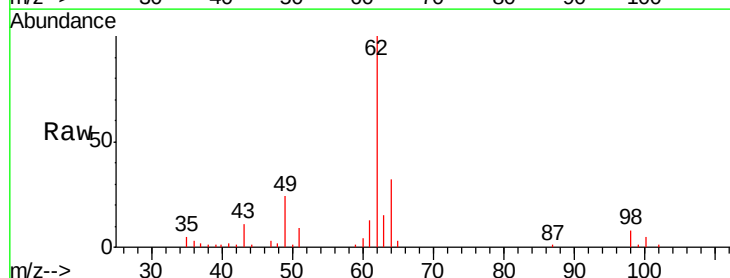
Manual Integrations
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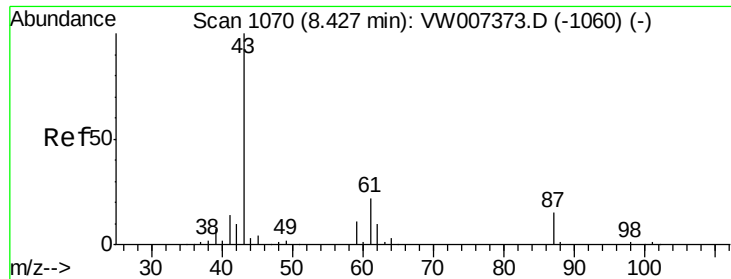
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#42
1,2-Dichloroethane
Concen: 19.831 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion:	62	Resp:	21527
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 21.066 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

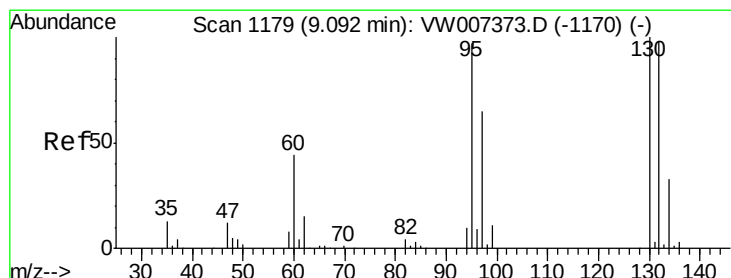
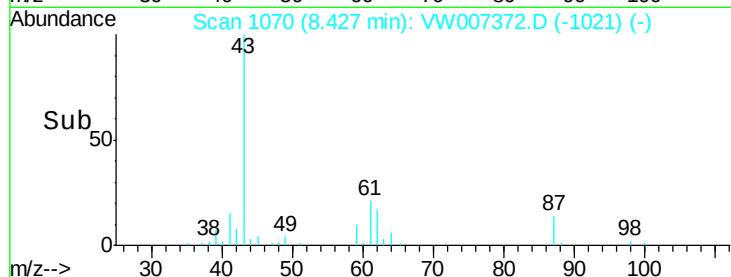
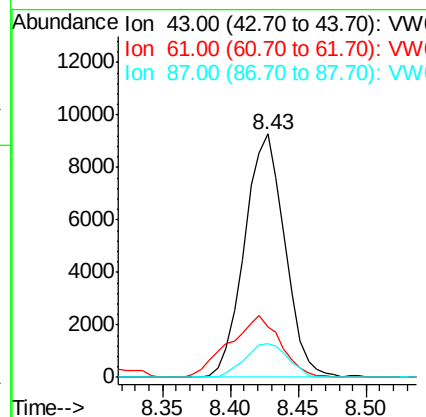
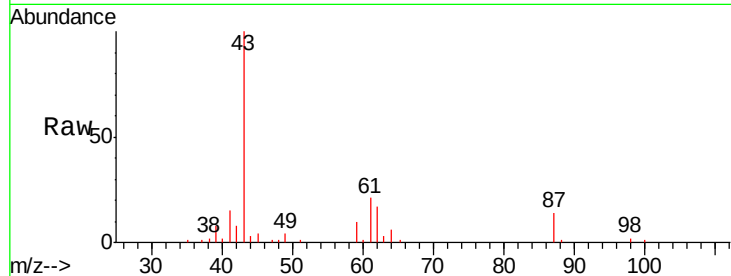
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	19272
Ion	Ratio	Lower	Upper
43	100		
61	32.0	25.3	37.9
87	14.7	11.8	17.8

Manual Integrations
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#44

Trichloroethene

Concen: 19.818 ug/l

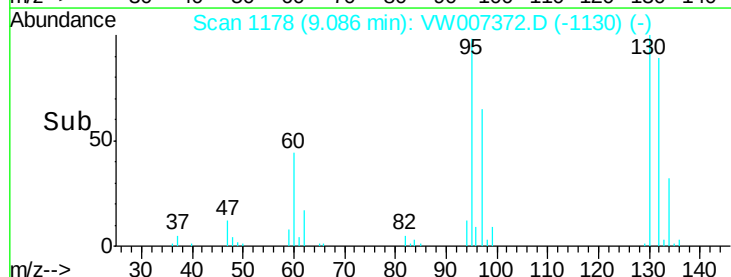
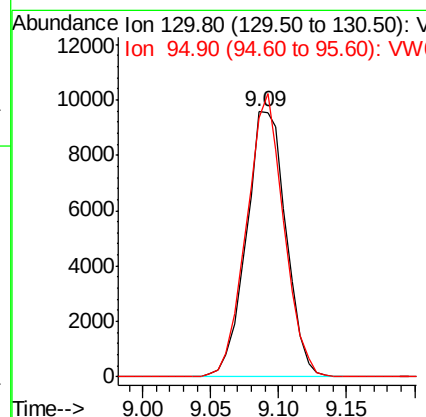
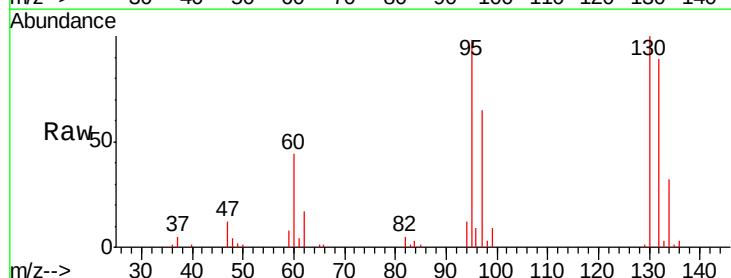
RT: 9.09 min Scan# 1178

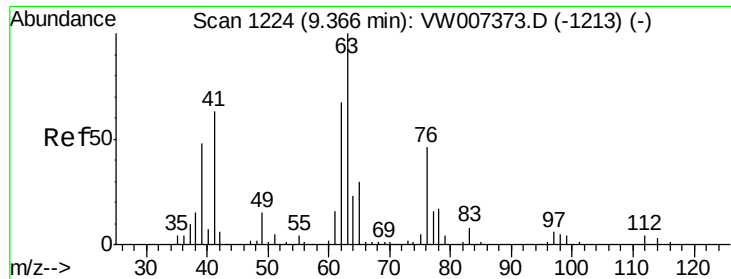
Delta R.T. -0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Tgt Ion:	130	Resp:	19556
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	193.2





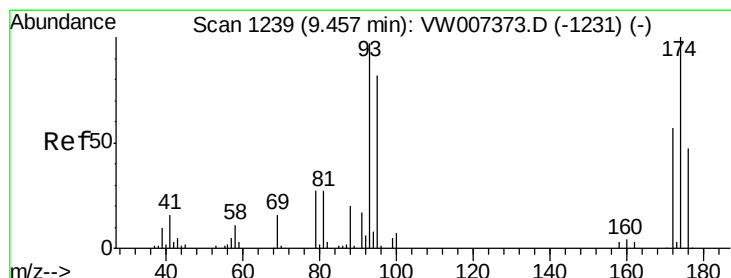
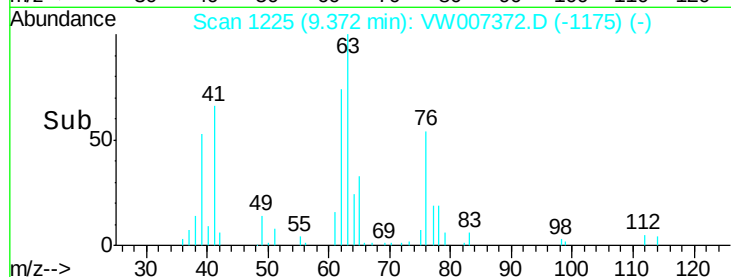
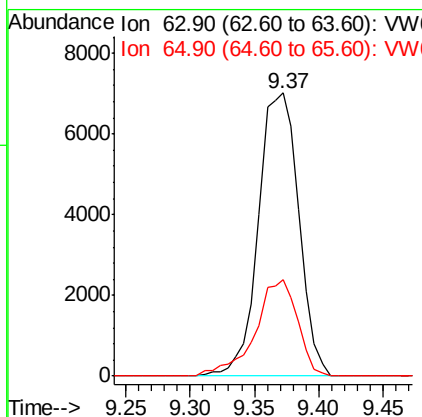
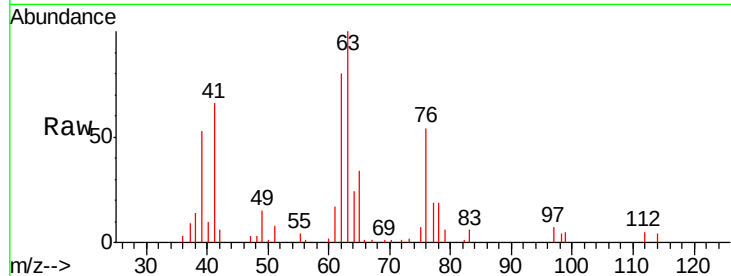
#45
 1,2-Dichloropropane
 Concen: 19.045 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 15230
 Ion Ratio Lower Upper
 63 100
 65 34.0 24.4 36.6

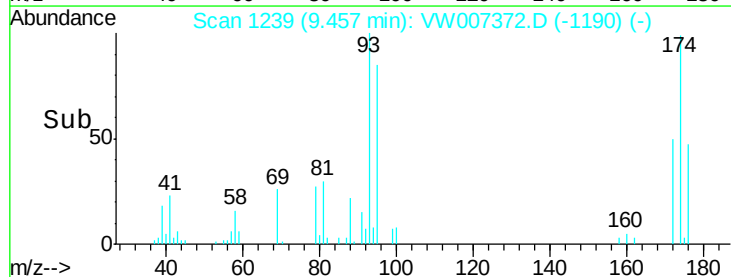
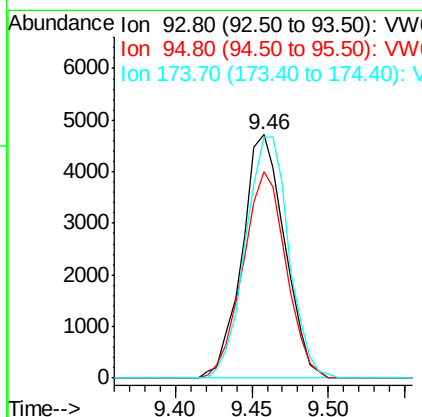
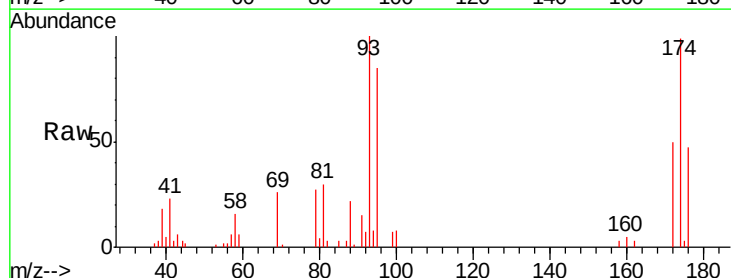
Manual Integrations
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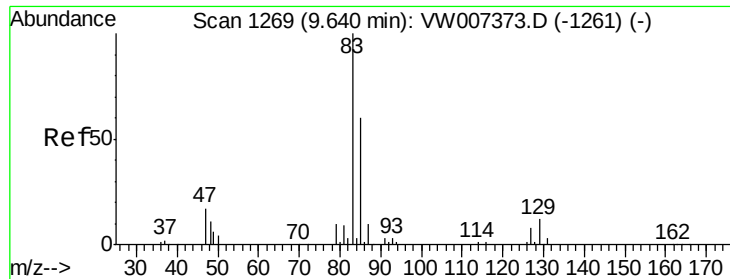
MMDadoda
 12/11/2018 4:55:33 PM



#46
 Dibromomethane
 Concen: 20.089 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Tgt Ion: 93 Resp: 9123
 Ion Ratio Lower Upper
 93 100
 95 85.7 68.0 102.0
 174 101.1 83.2 124.8





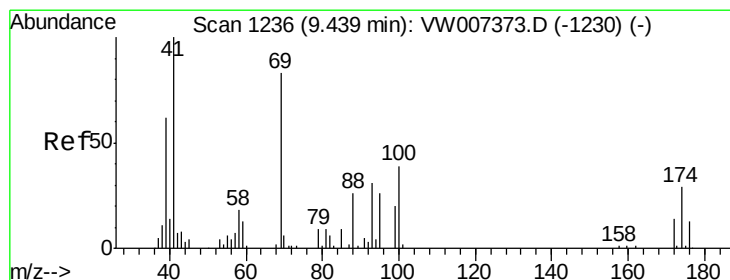
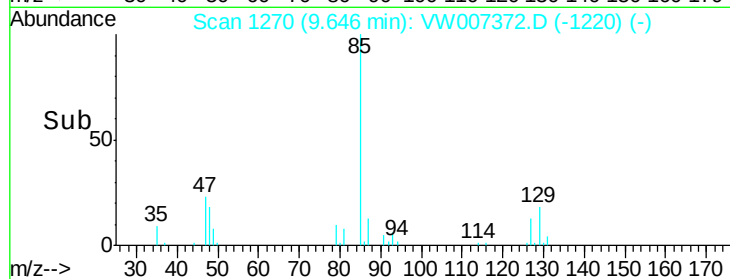
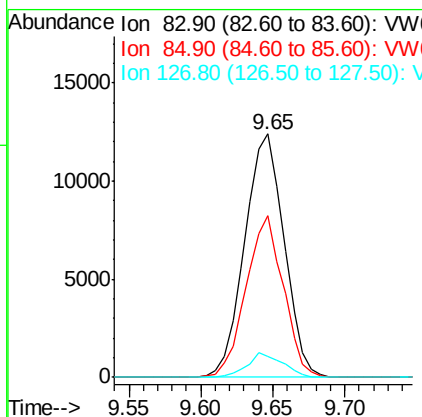
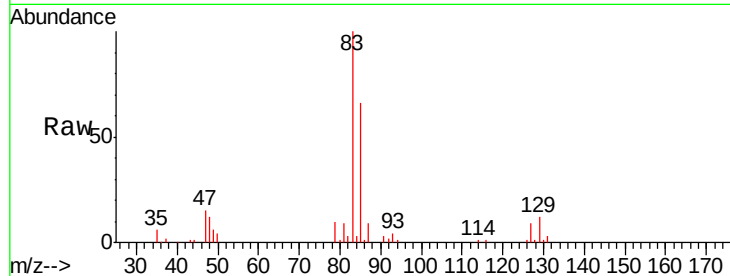
#47
 Bromodichloromethane
 Concen: 19.693 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	23458		
85	66.4		47.6	71.4
127	8.6		6.7	10.1

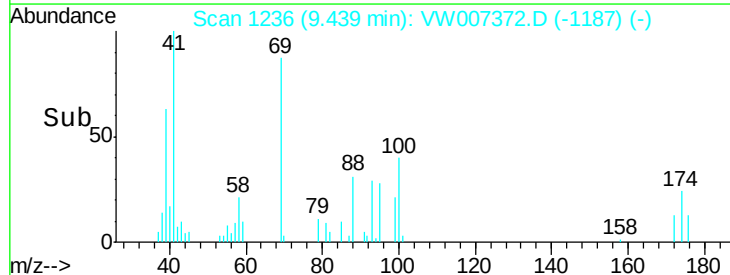
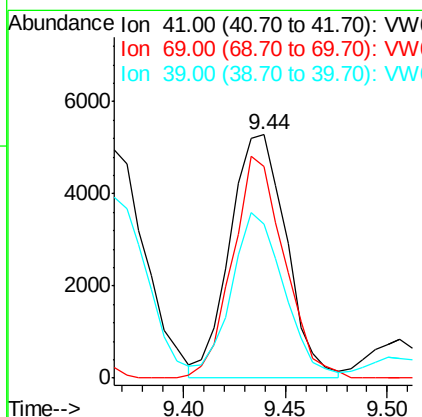
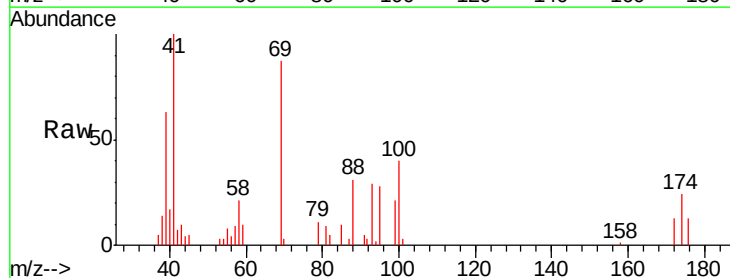
Manual Integrations
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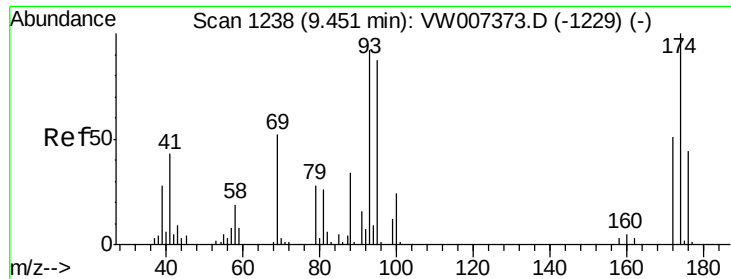
MMDadoda
 12/11/2018 4:55:33 PM



#48
 Methyl methacrylate
 Concen: 21.565 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	10132		
69	84.0		69.8	104.8
39	58.8		50.9	76.3





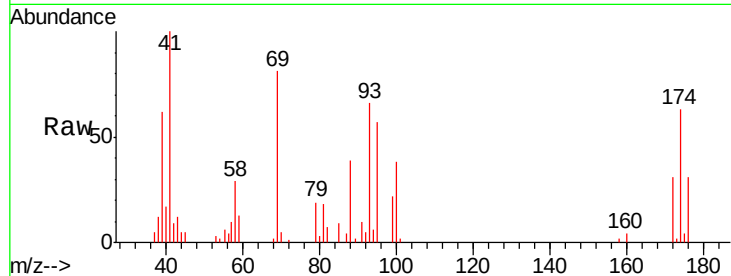
#49
1,4-Dioxane
Concen: 451.921 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.7	25.0	37.4
58	71.5	51.4	77.2

Manual Integrations
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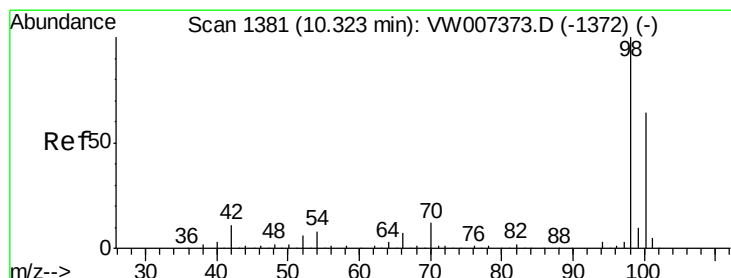
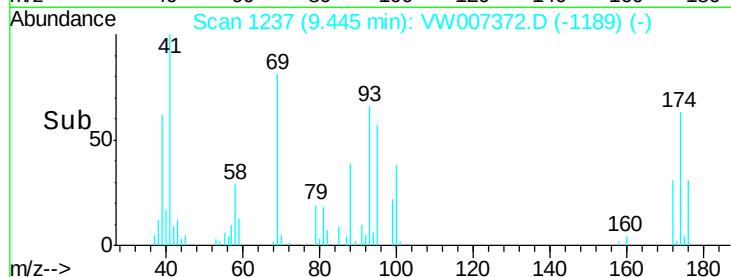
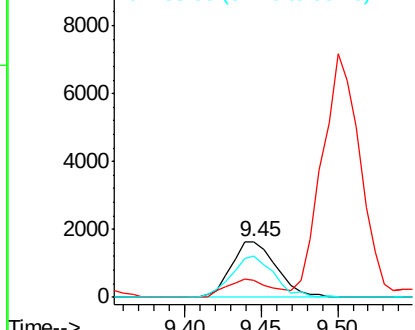


Abundance

Ion 88.00 (87.70 to 88.70): VW

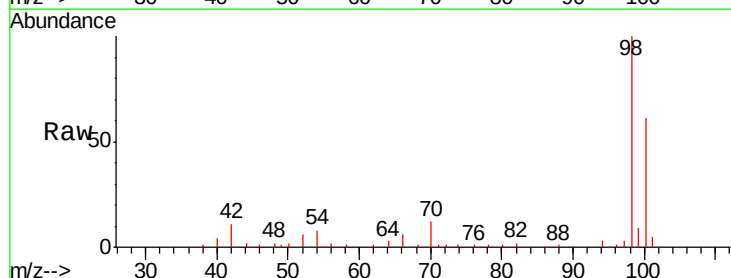
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 19.369 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

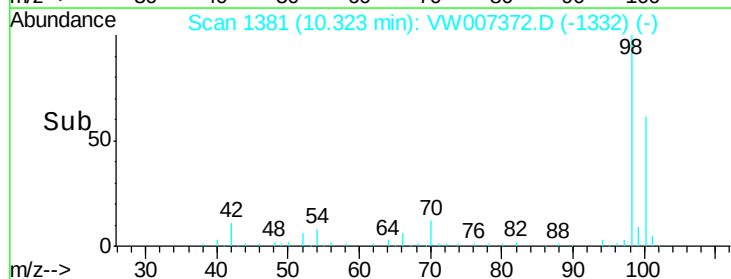
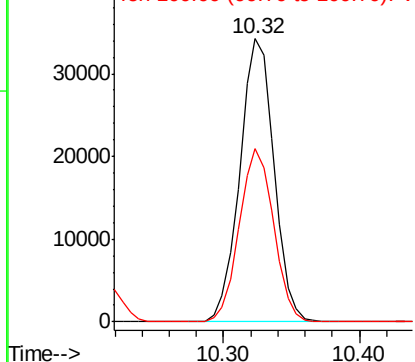
Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.7	51.8	77.8

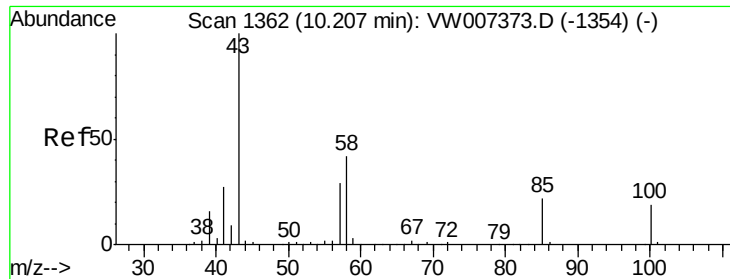


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 105.860 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 45759

Ion Ratio Lower Upper

43 100

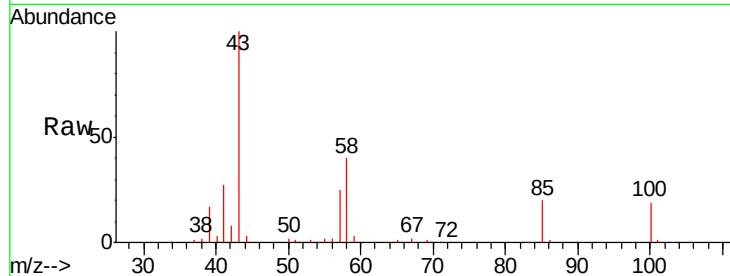
58 41.5 33.1 49.7

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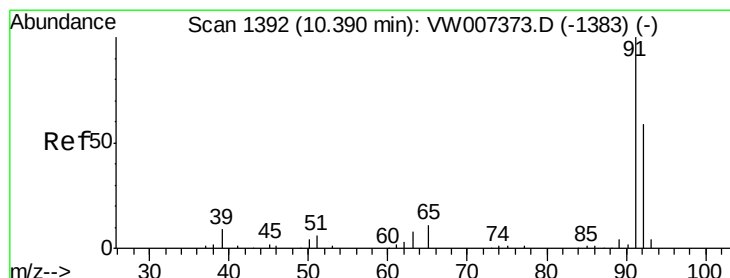
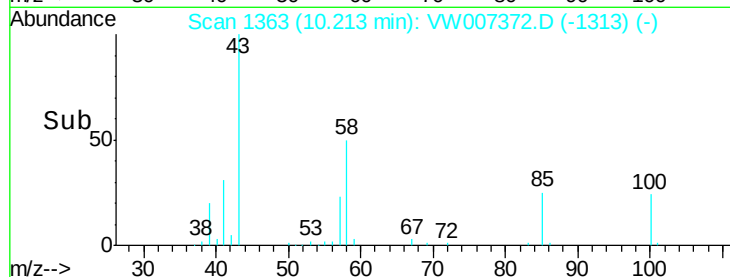
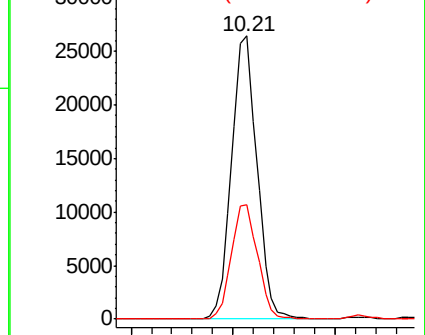
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.292 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007372.D

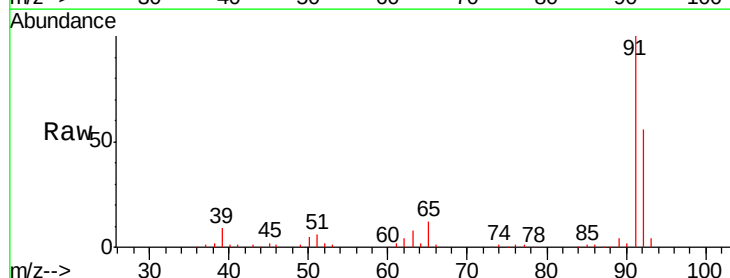
Acq: 10 Dec 2018 23:40

Tgt Ion: 92 Resp: 43143

Ion Ratio Lower Upper

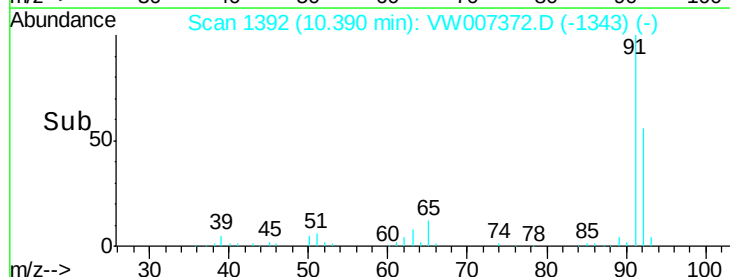
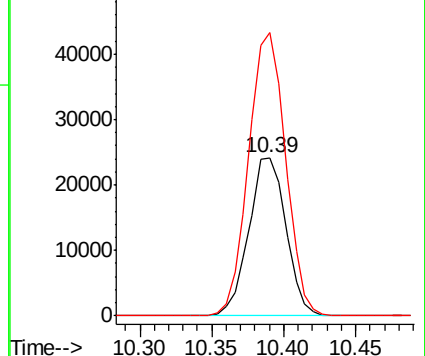
92 100

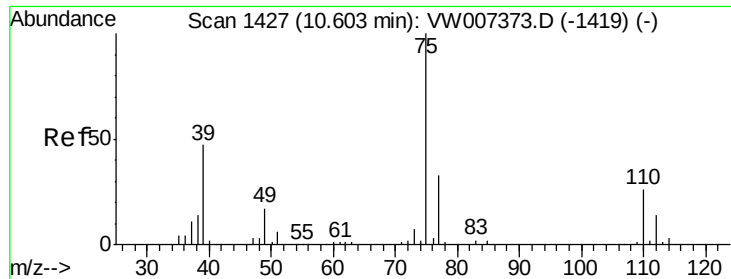
91 177.7 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 20.342 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 23524

Ion Ratio Lower Upper

75 100

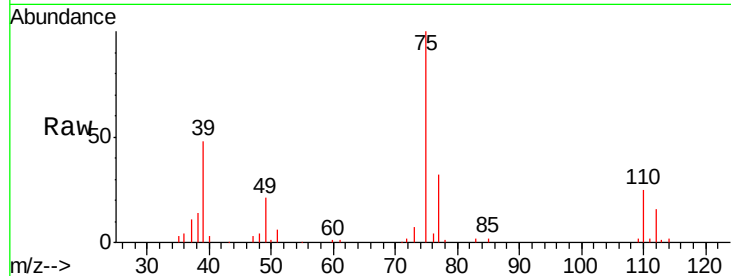
77 32.3 26.2 39.4

Manual Integrations

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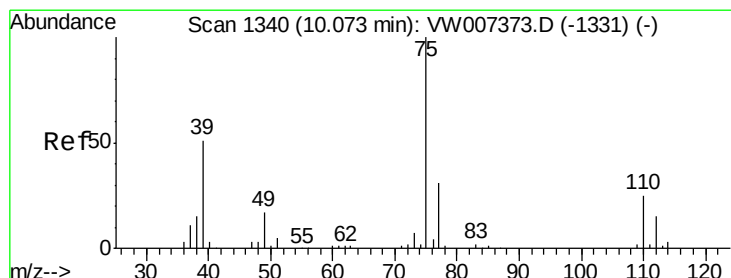
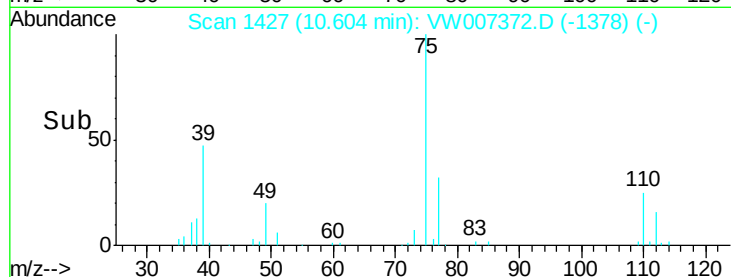
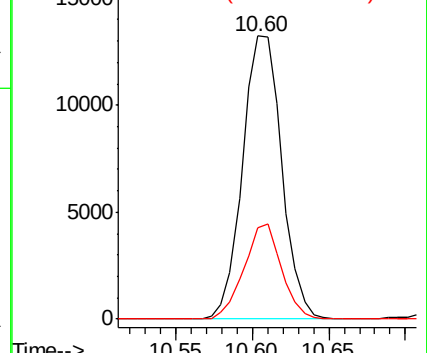
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 19.701 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

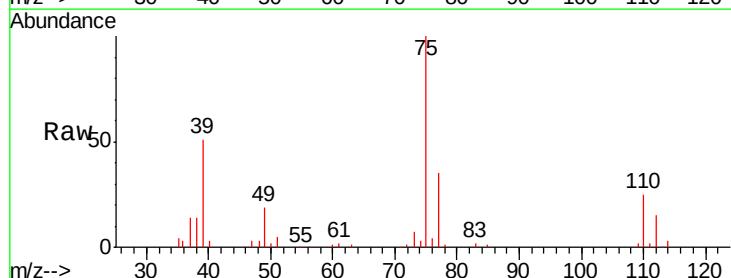
Tgt Ion: 75 Resp: 26337

Ion Ratio Lower Upper

75 100

77 34.9 24.8 37.2

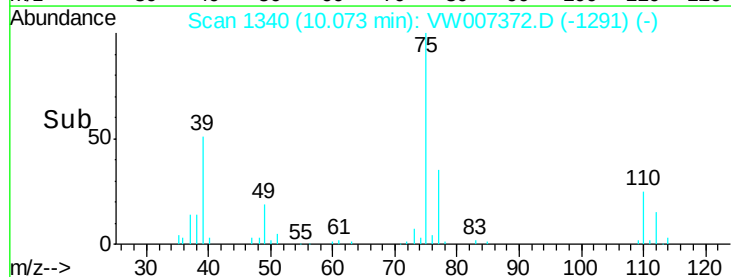
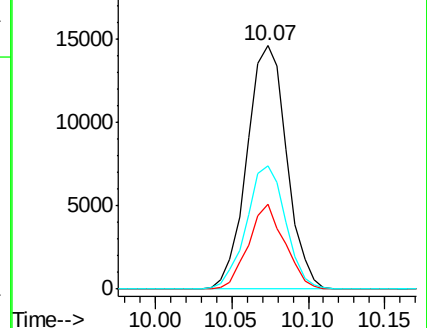
39 50.8 40.9 61.3

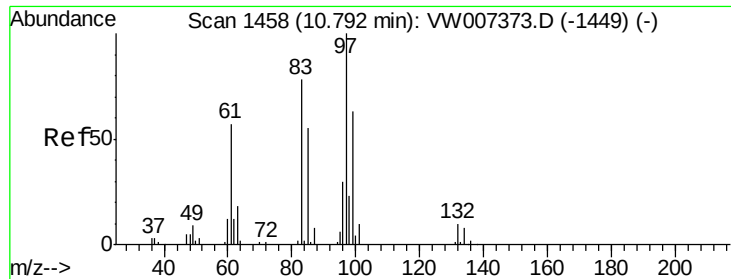


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 21.129 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

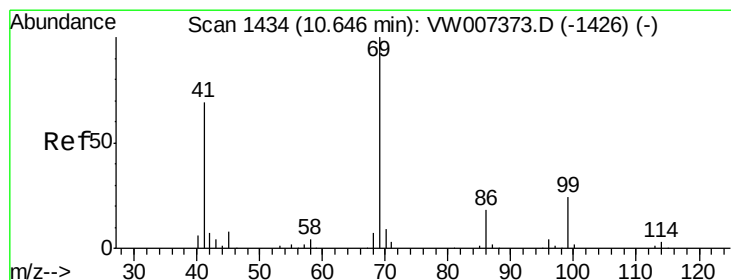
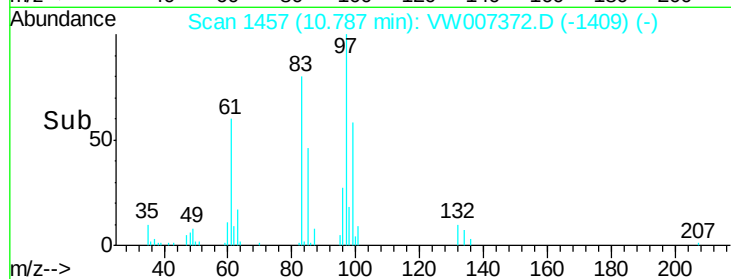
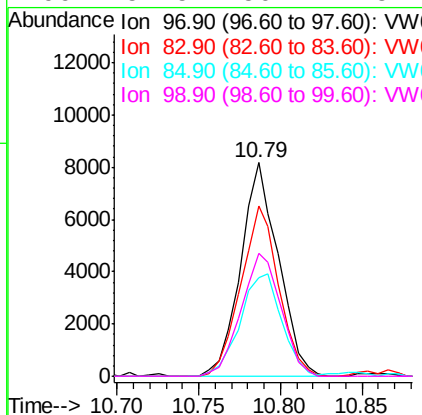
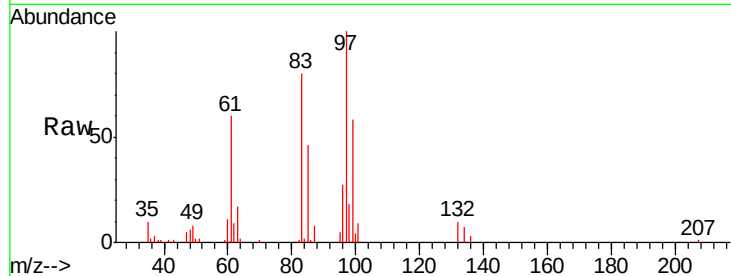
ClientSampleId :

VSTDIC020

Tgt Ion:	97	Resp:	13059
Ion	Ratio	Lower	Upper
97	100		
83	79.6	62.1	93.1
85	45.9	44.2	66.4
99	57.5	50.2	75.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.064 ug/l

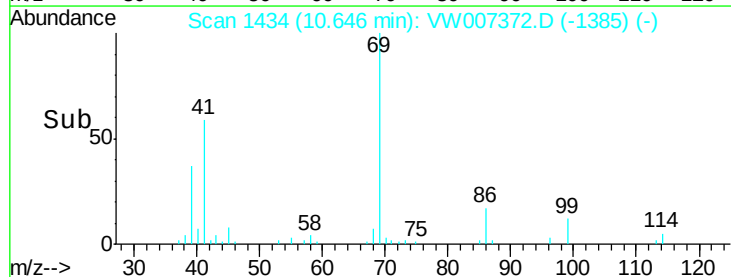
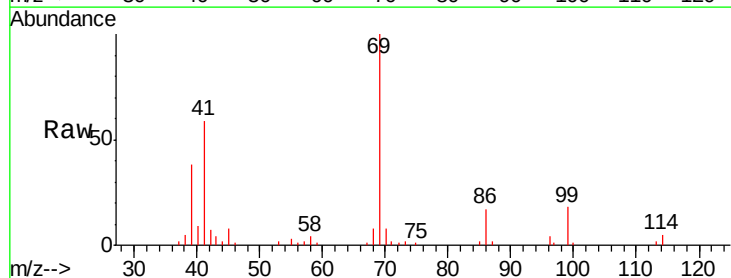
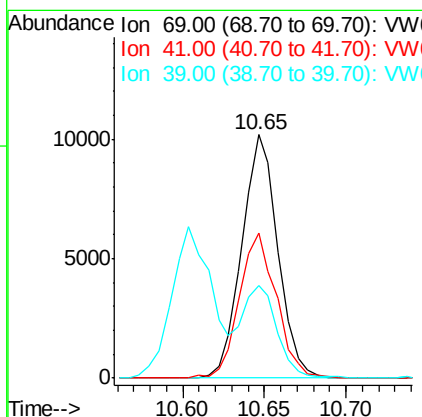
RT: 10.65 min Scan# 1434

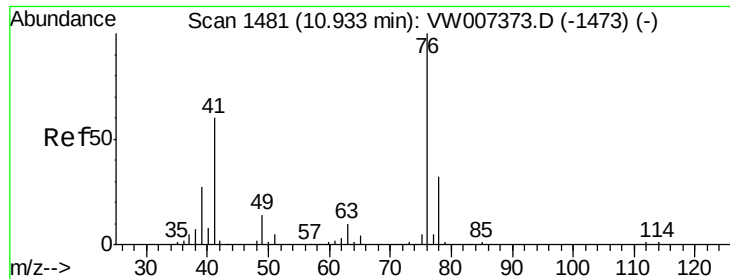
Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Tgt Ion:	69	Resp:	15648
Ion	Ratio	Lower	Upper
69	100		
41	61.5	51.0	76.6
39	37.9	30.8	46.2





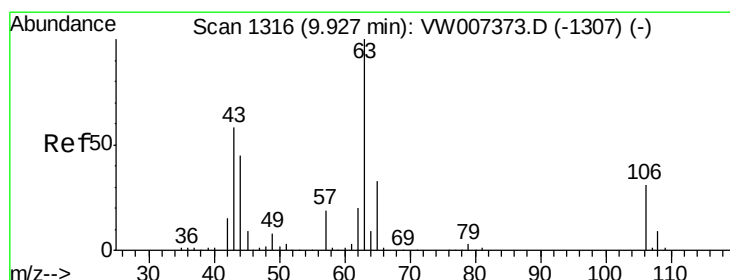
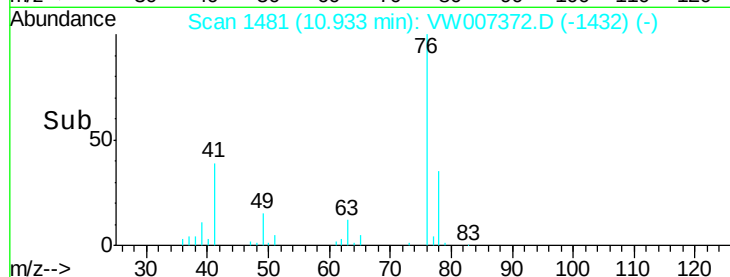
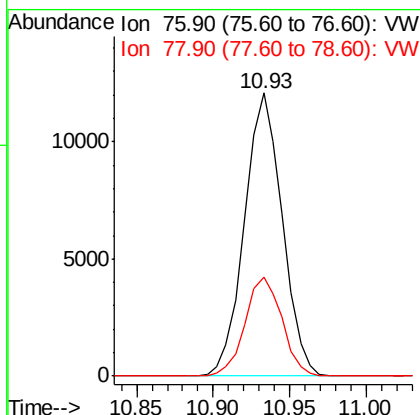
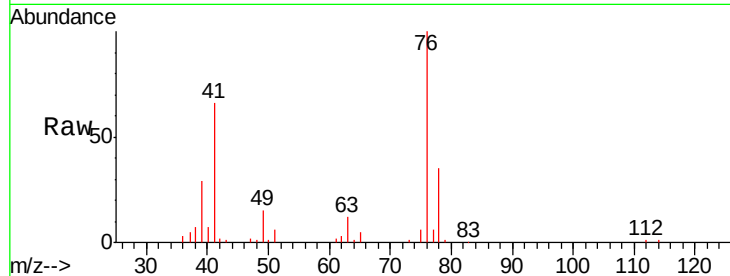
#57
 1,3-Dichloropropane
 Concen: 20.438 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 20734
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.2 39.4

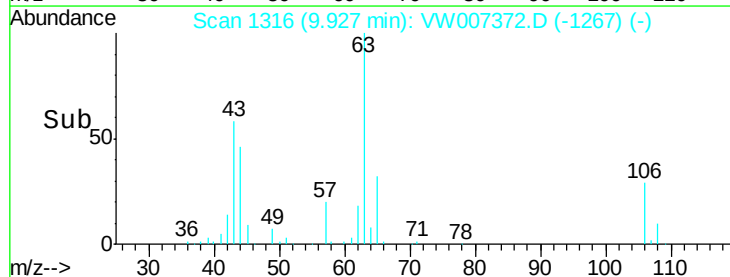
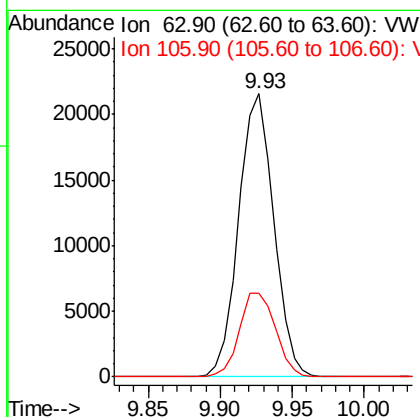
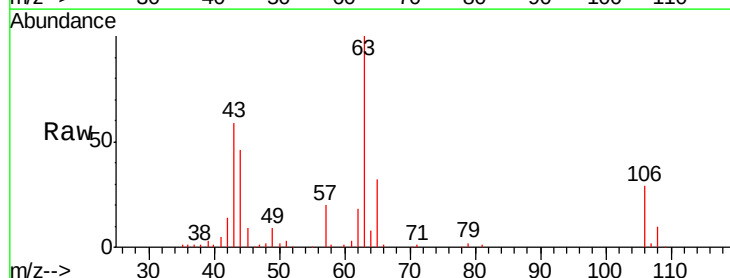
Manual Integrations
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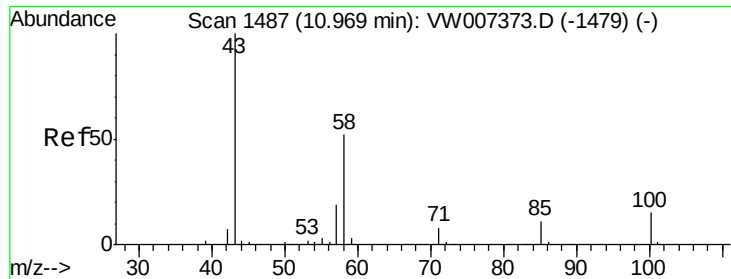
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 12/11/2018 4:55:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.455 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Tgt Ion: 63 Resp: 36470
 Ion Ratio Lower Upper
 63 100
 106 30.4 25.0 37.6





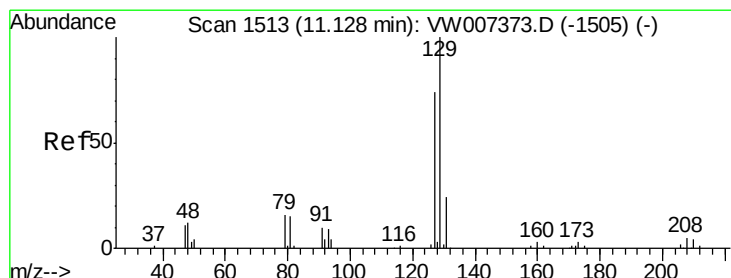
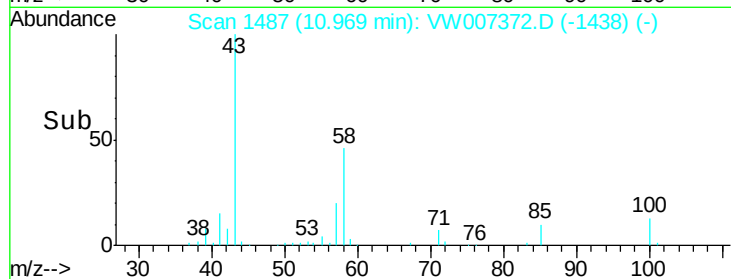
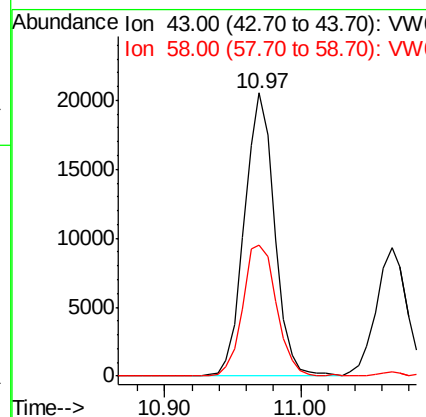
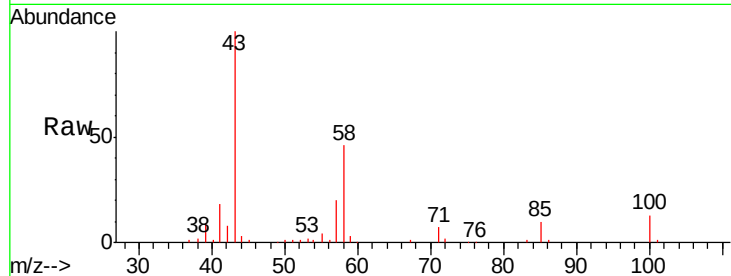
#59
2-Hexanone
Concen: 110.491 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 31847
Ion Ratio Lower Upper
43 100
58 51.6 27.1 81.3

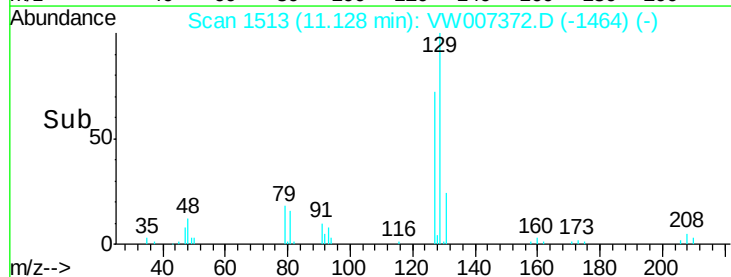
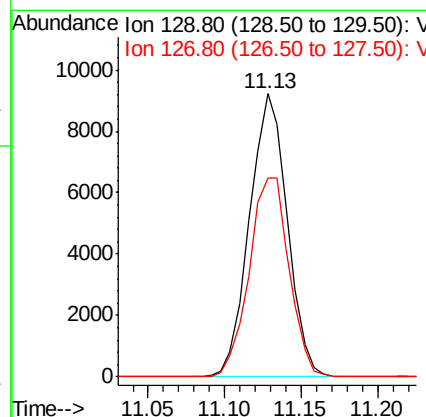
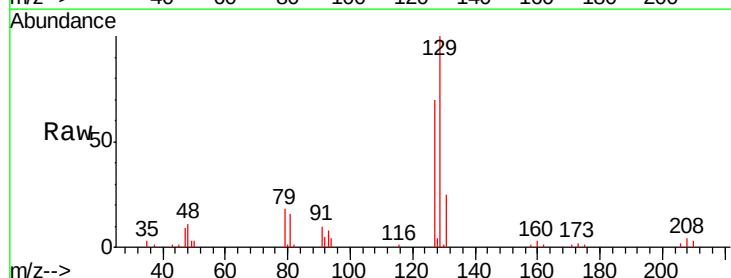
Manual Integrations
APPROVED

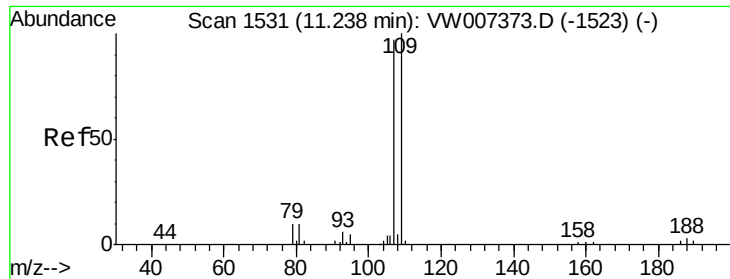
MMDadoda
12/11/2018 4:55:33 PM



#60
Dibromochloromethane
Concen: 20.296 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion: 129 Resp: 15831
Ion Ratio Lower Upper
129 100
127 74.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.748 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 107 Resp: 12673

Ion Ratio Lower Upper

107 100

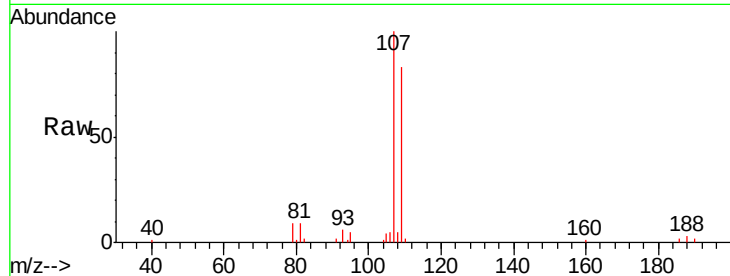
109 89.4 79.1 118.7

Manual Integrations

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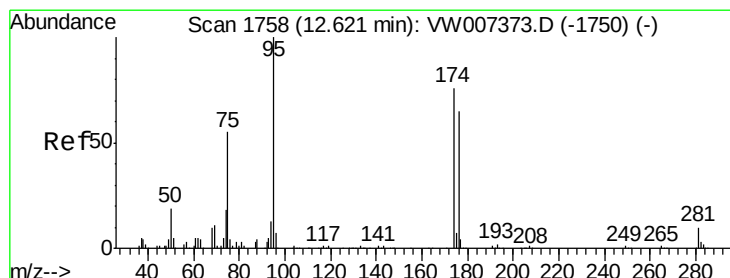
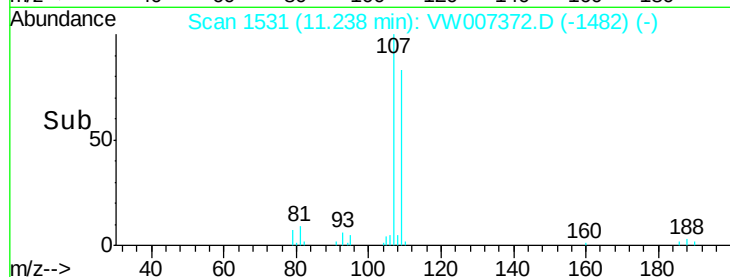
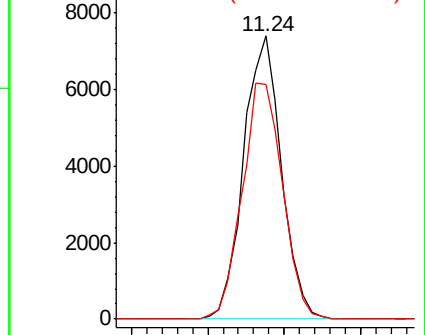
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.995 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

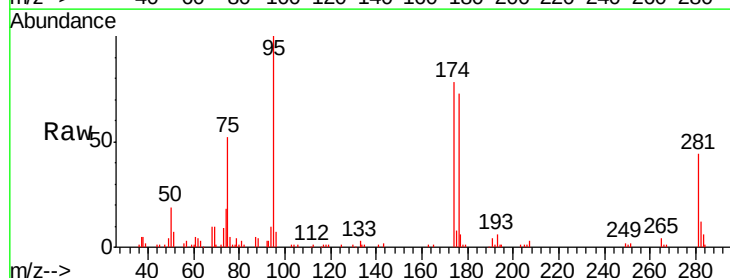
Tgt Ion: 95 Resp: 21637

Ion Ratio Lower Upper

95 100

174 75.2 0.0 147.2

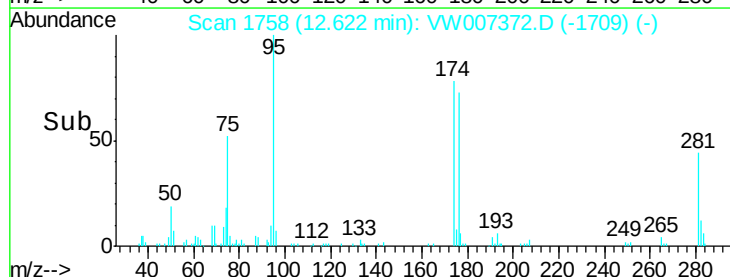
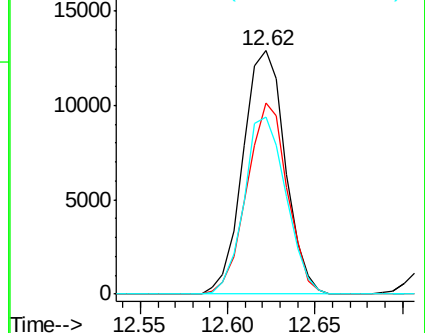
176 72.3 0.0 138.8

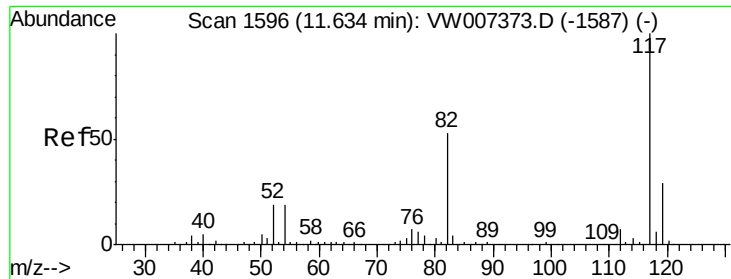


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

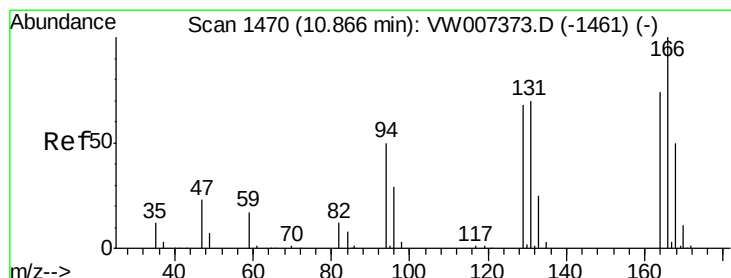
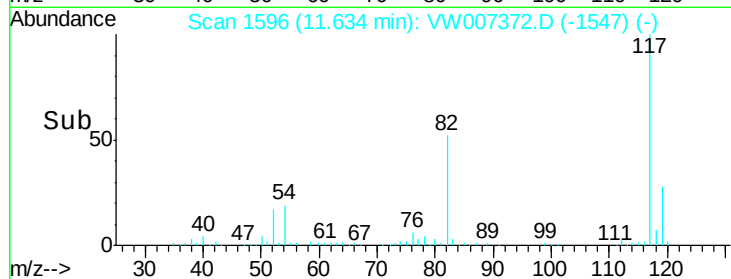
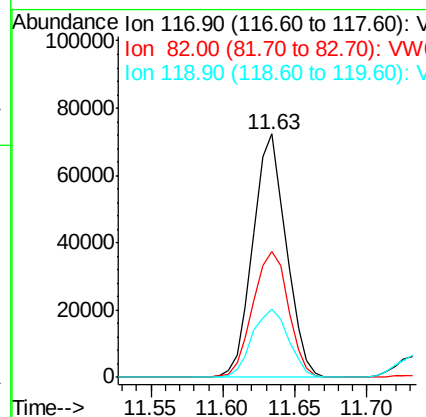
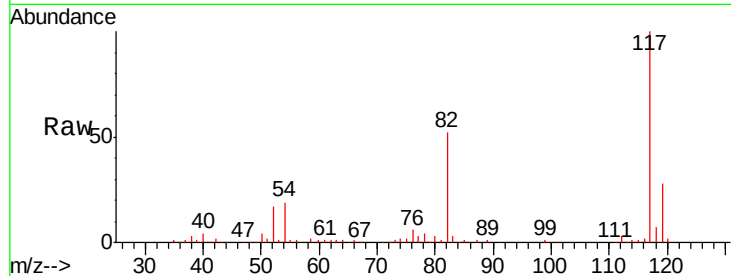
ClientSampleId :

VSTDIC020

Tgt Ion:	117	Resp:	115581
Ion Ratio	Lower	Upper	
117	100		
82	51.6	42.3	63.5
119	28.2	23.0	34.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.227 ug/l

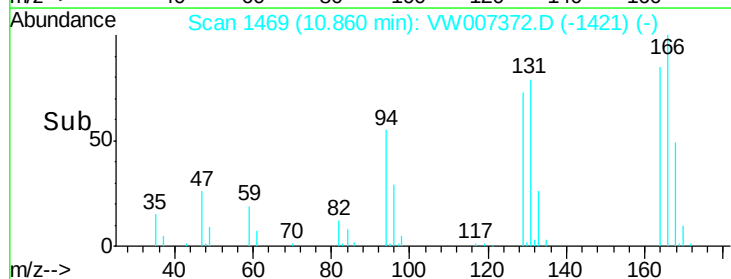
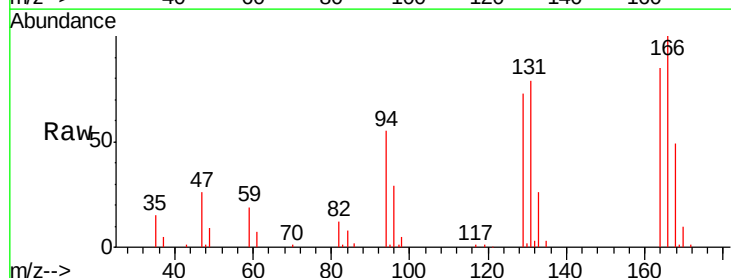
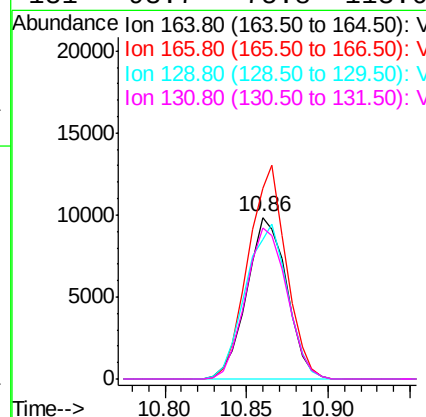
RT: 10.86 min Scan# 1469

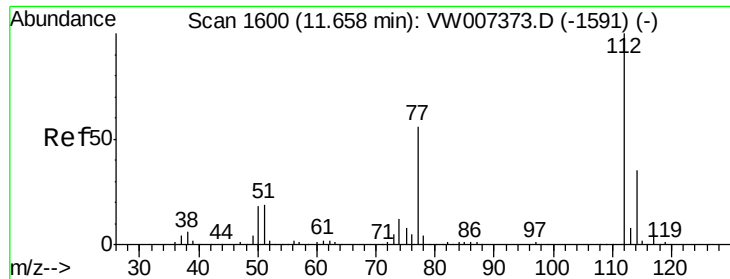
Delta R.T. -0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Tgt Ion:	164	Resp:	16812
Ion Ratio	Lower	Upper	
164	100		
166	118.0	107.9	161.9
129	85.9	73.4	110.2
131	93.7	75.8	113.6





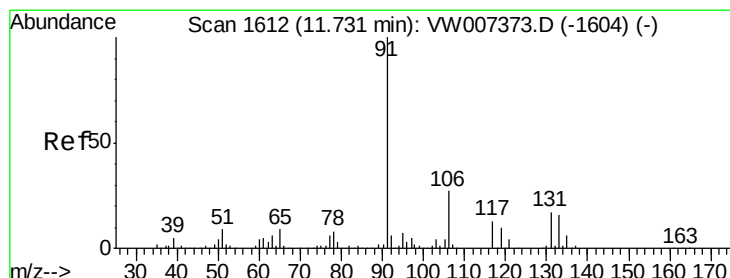
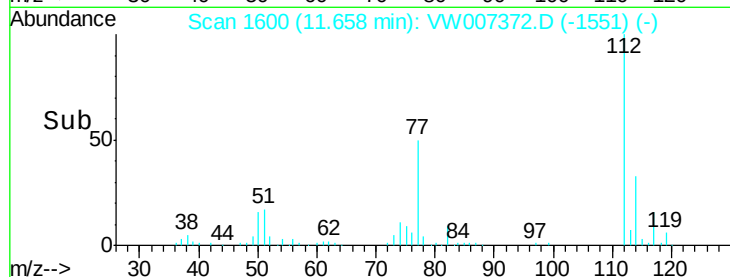
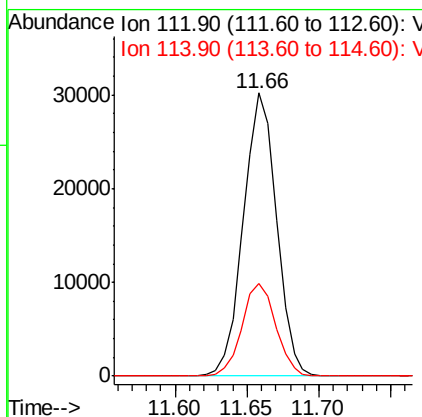
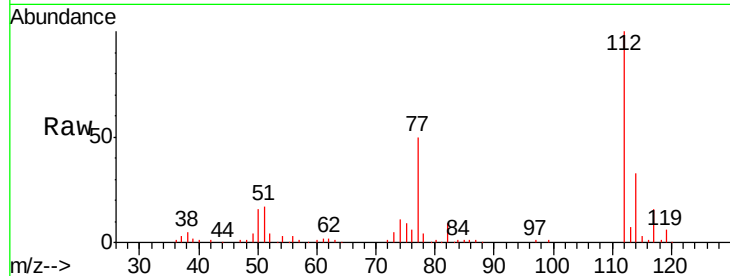
#65
Chlorobenzene
Concen: 19.996 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 48172
Ion Ratio Lower Upper
112 100
114 32.7 27.8 41.8

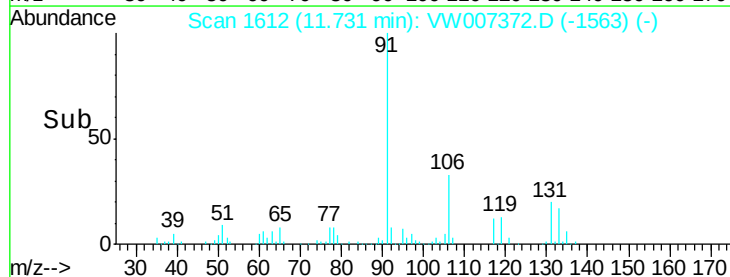
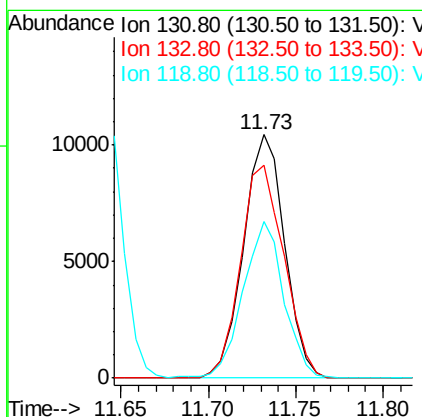
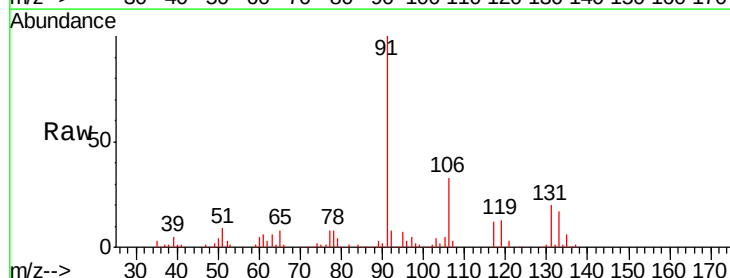
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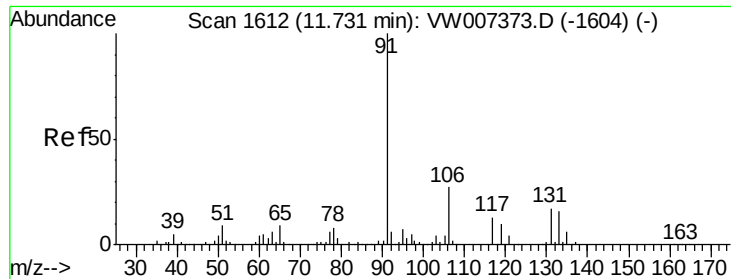
MMDadoda
12/11/2018 4:55:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.123 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion:131 Resp: 17074
Ion Ratio Lower Upper
131 100
133 92.2 47.1 141.4
119 63.8 31.3 93.9





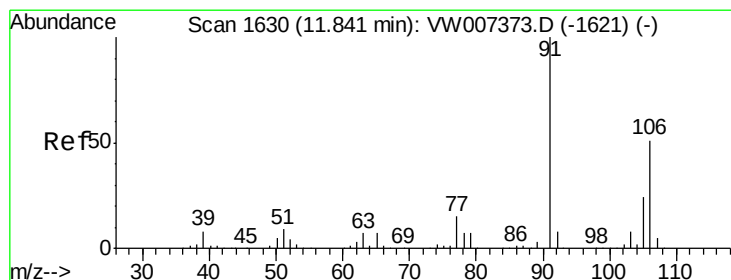
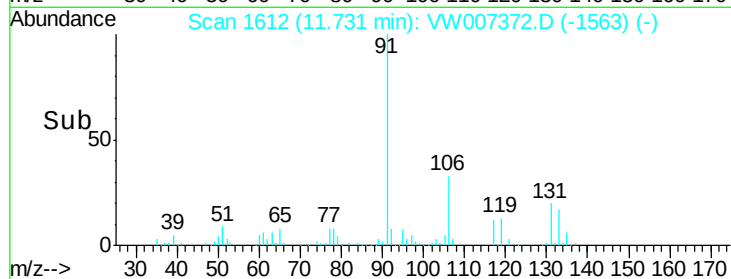
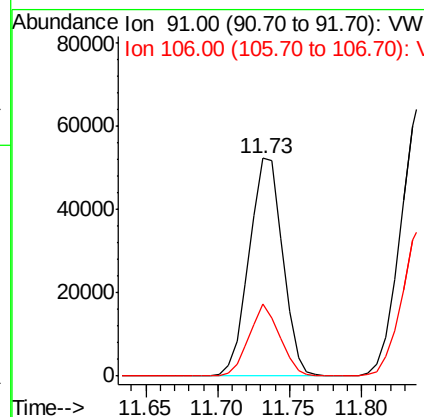
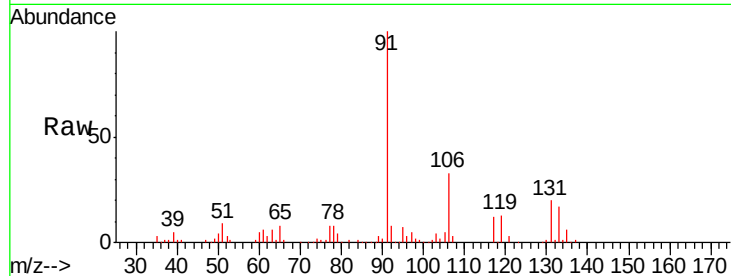
#67
Ethyl Benzene
Concen: 20.422 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 84585
Ion Ratio Lower Upper
91 100
106 33.3 21.8 32.8#

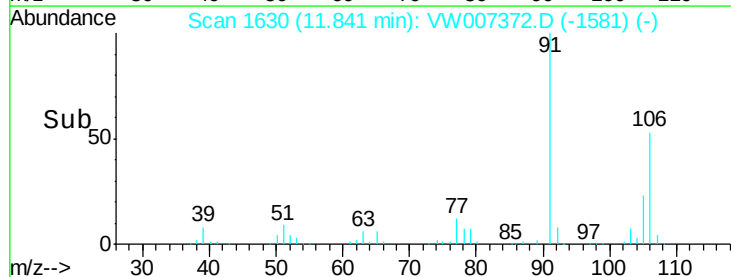
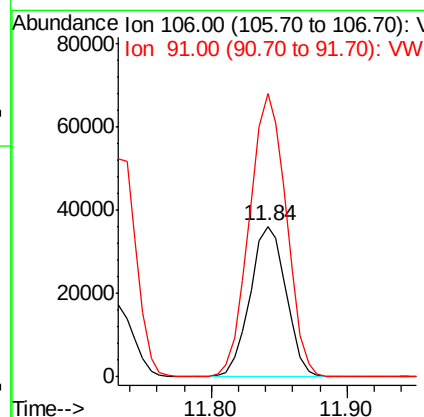
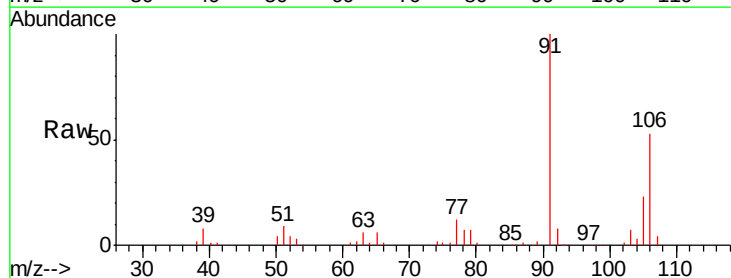
Manual Integrations
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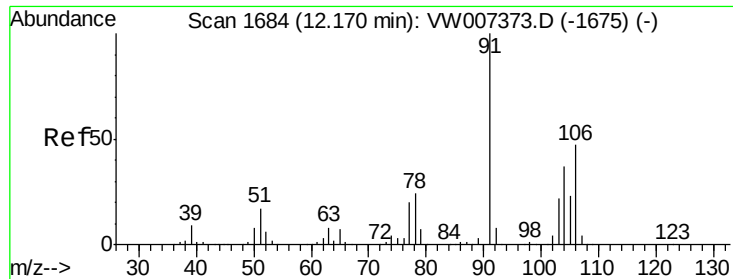
MMDadoda
12/11/2018 4:55:33 PM



#68
m/p-Xylenes
Concen: 41.721 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion: 106 Resp: 67178
Ion Ratio Lower Upper
106 100
91 192.8 165.3 247.9





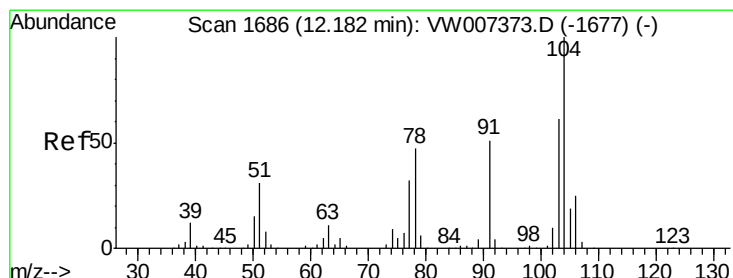
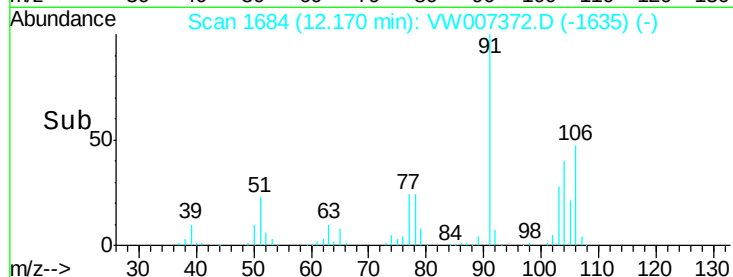
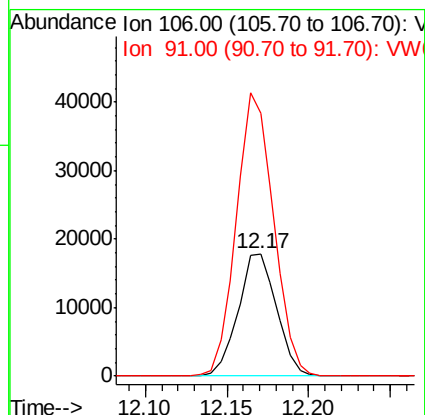
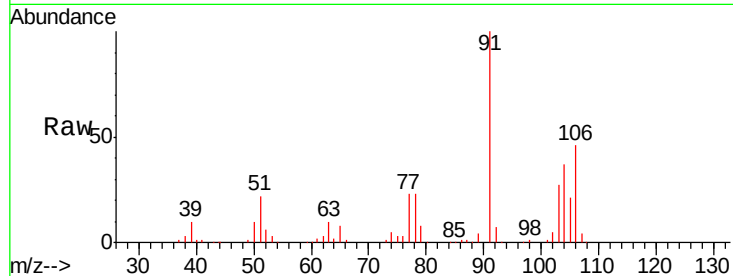
#69
o-Xylene
Concen: 19.517 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 29350
Ion Ratio Lower Upper
106 100
91 224.4 106.6 319.8

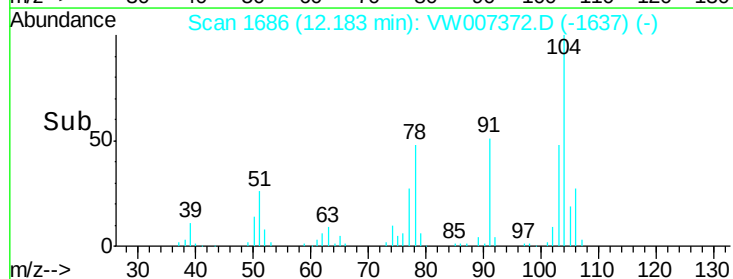
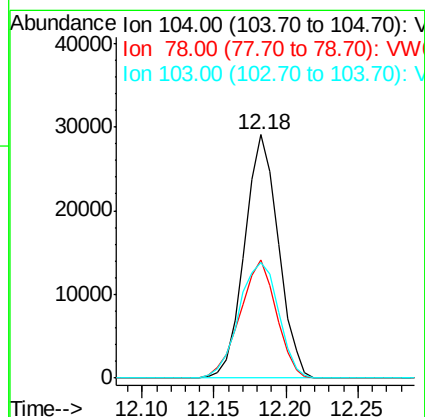
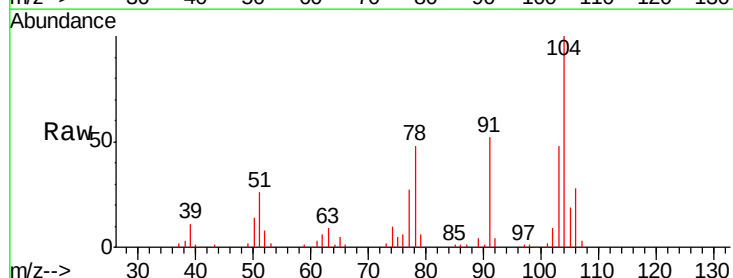
Manual Integrations
APPROVED

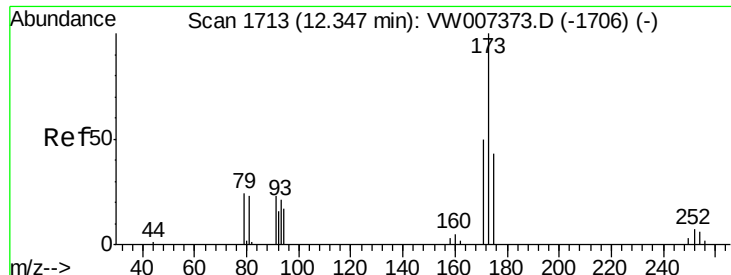
MMDadoda
12/11/2018 4:55:33 PM



#70
Styrene
Concen: 19.422 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion:104 Resp: 47175
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.8
103 55.9 46.6 69.8





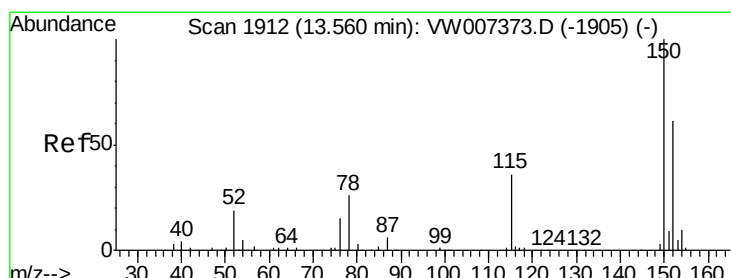
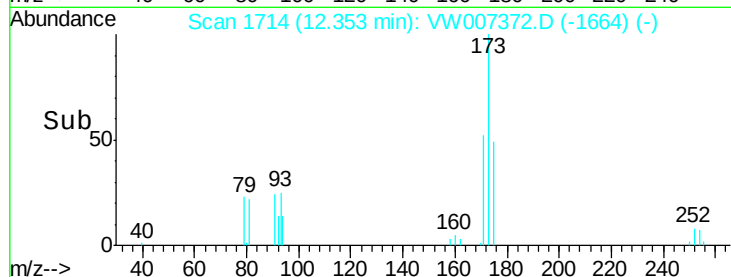
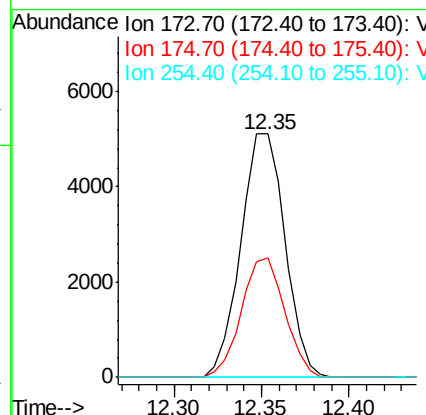
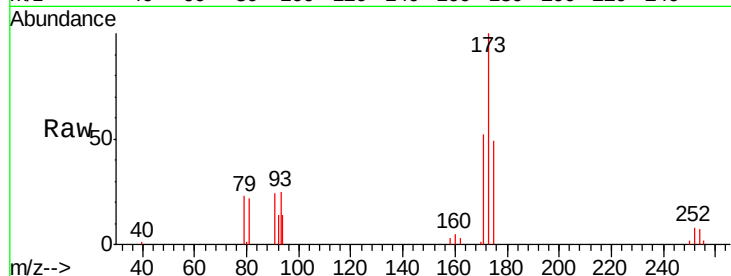
#71
Bromoform
Concen: 20.680 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.6	70.8
254	0.0	0.0	0.0

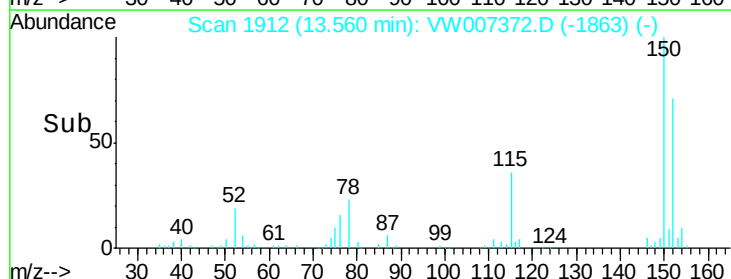
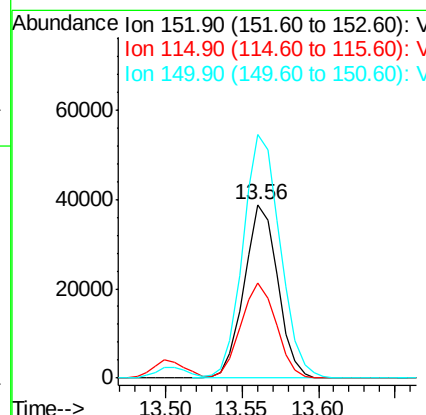
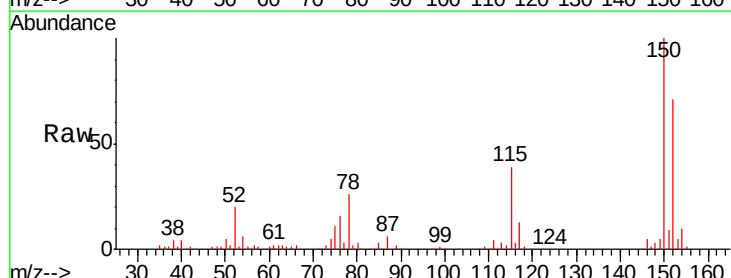
Manual Integrations
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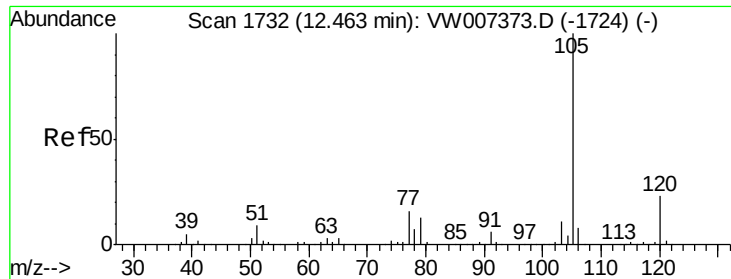
MMDadoda
12/11/2018 4:55:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	31.4	94.2
150	154.7	0.0	358.4





#73

Isopropylbenzene

Concen: 18.107 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 82420

Ion Ratio Lower Upper

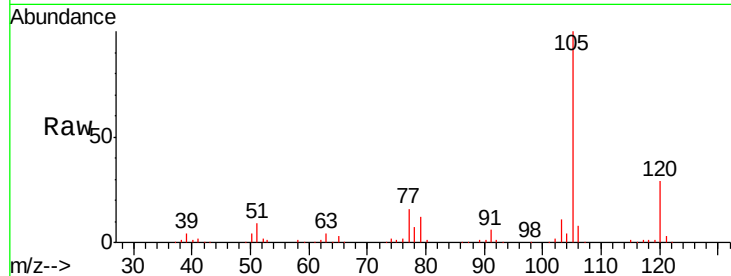
105 100

120 28.2 12.8 38.4

Manual Integrations
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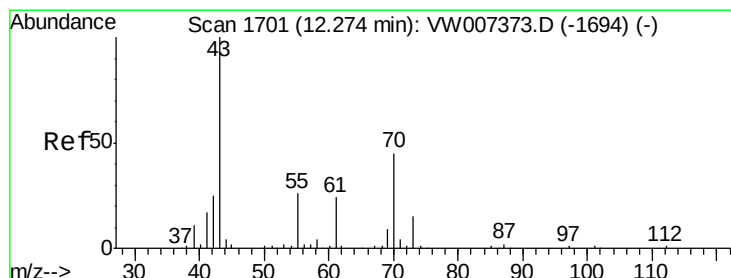
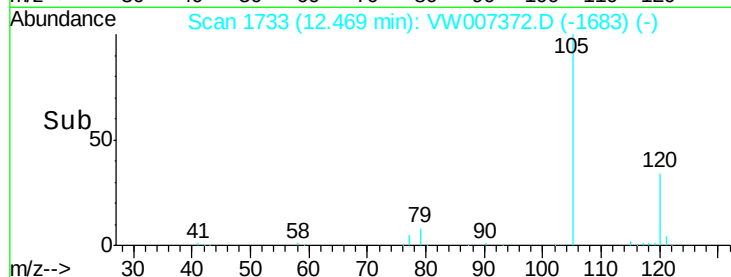
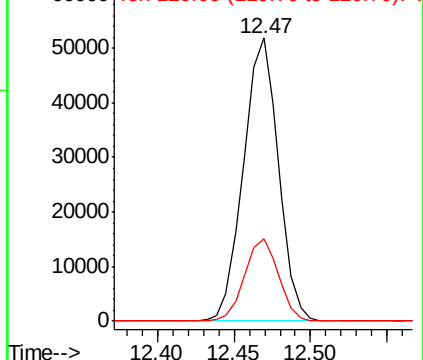
MMDadoda

12/11/2018 4:55:33 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.455 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Tgt Ion: 43 Resp: 16094

Ion Ratio Lower Upper

43 100

70 45.1 36.5 54.7

55 25.1 20.1 30.1

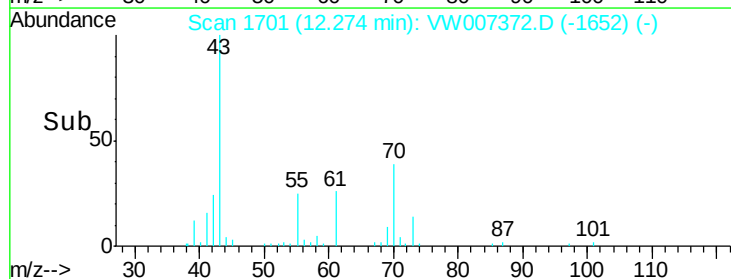
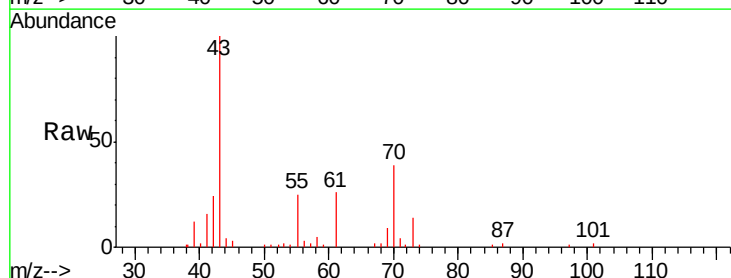
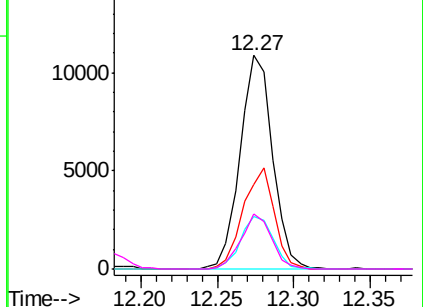
61 24.3 19.3 28.9

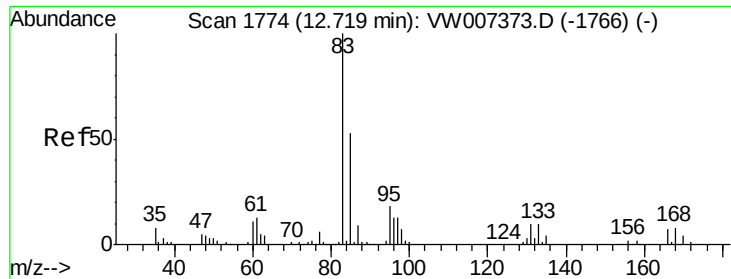
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.787 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

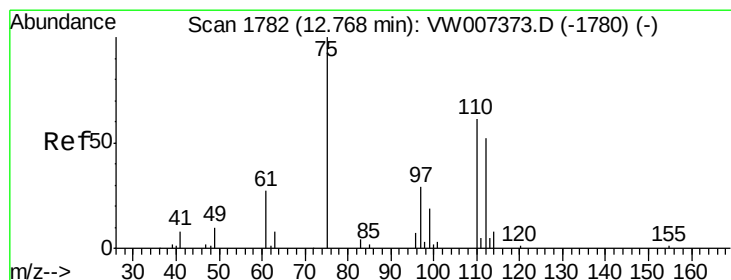
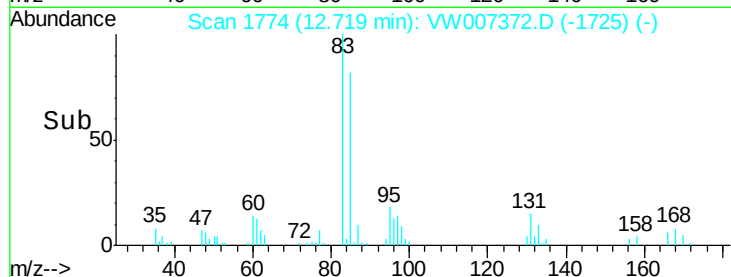
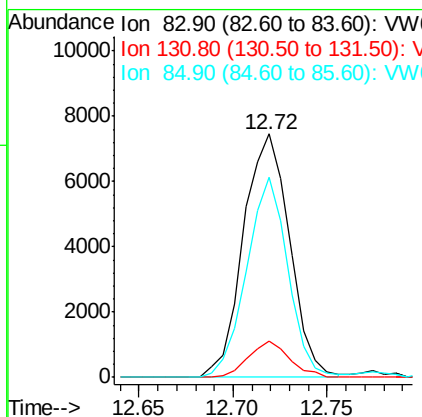
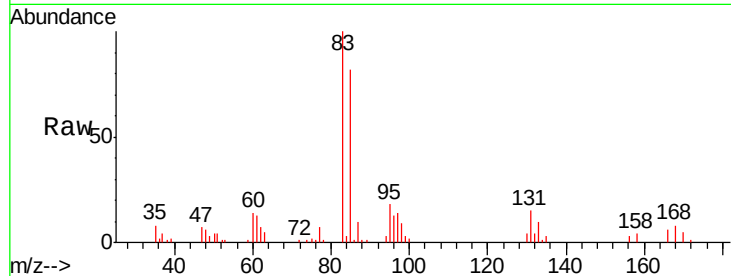
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	12666
Ion	Ratio	Lower	Upper
83	100		
131	13.2	5.9	17.8
85	73.8	30.0	90.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.008 ug/l m

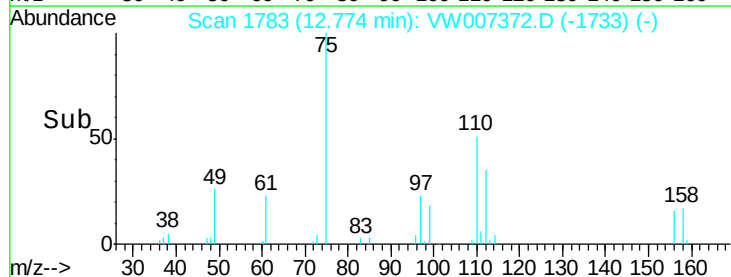
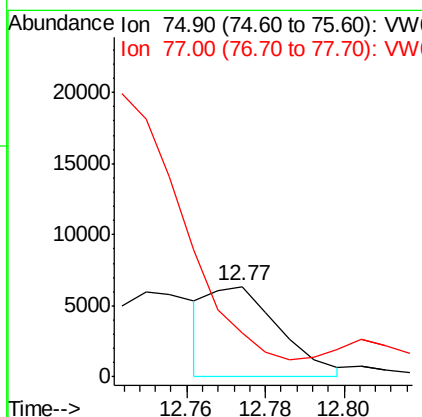
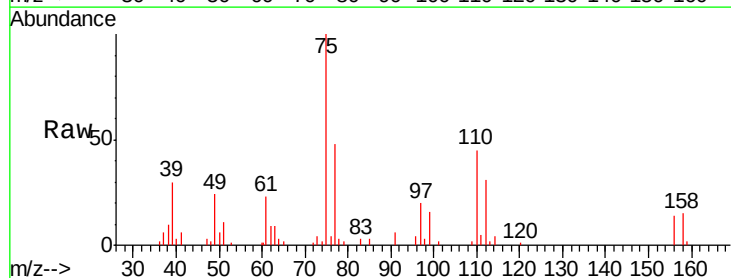
RT: 12.77 min Scan# 1783

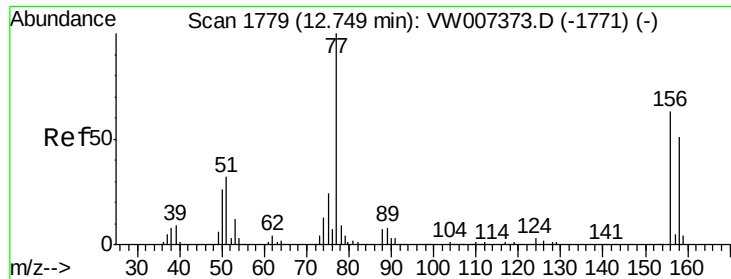
Delta R.T. 0.01 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Tgt Ion:	75	Resp:	7841
Ion	Ratio	Lower	Upper
75	100		
77	0.0	166.9	500.8#





#77

Bromobenzene

Concen: 18.264 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Instrument :

MSVOA_W

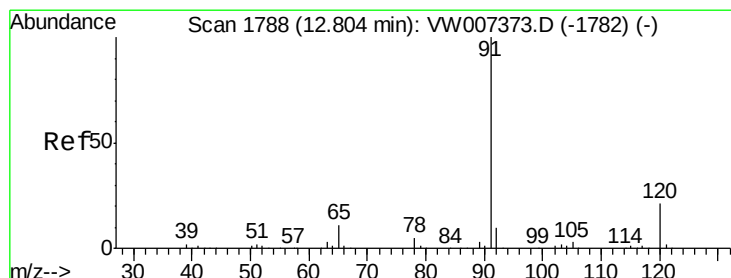
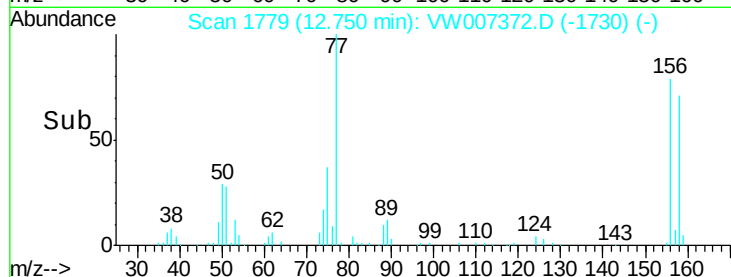
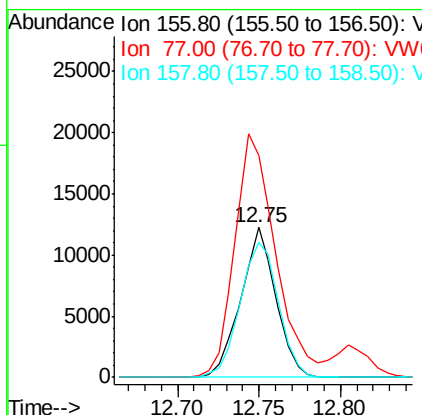
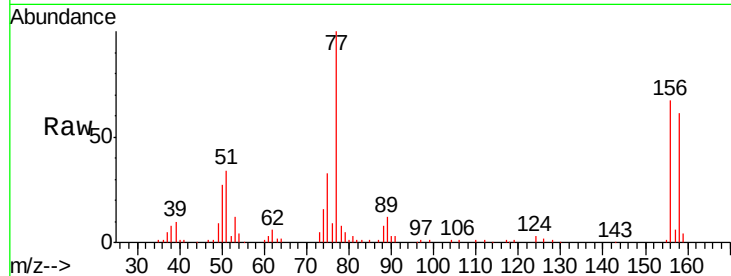
ClientSampleId :

VSTDIC020

Tgt Ion:	156	Resp:	18428
Ion Ratio	Lower	Upper	
156	100		
77	187.7	88.1	264.4
158	97.9	45.6	136.7

Manual Integrations
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#78

n-propylbenzene

Concen: 18.435 ug/l

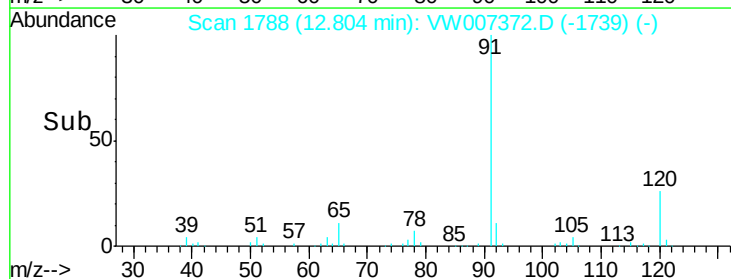
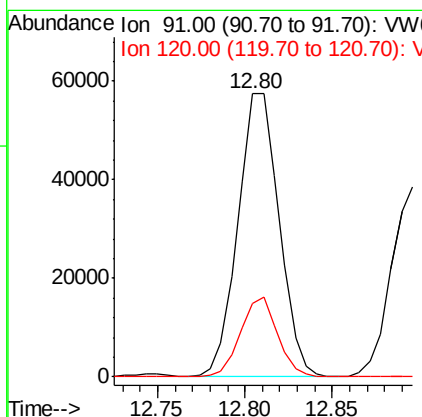
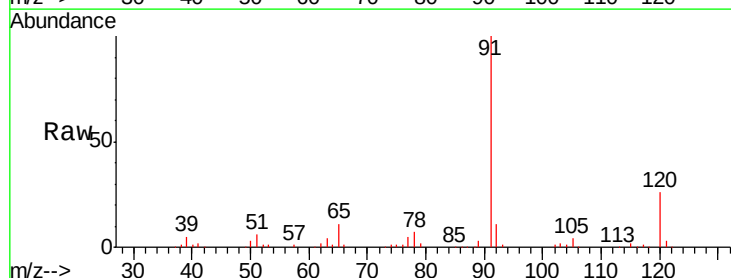
RT: 12.80 min Scan# 1788

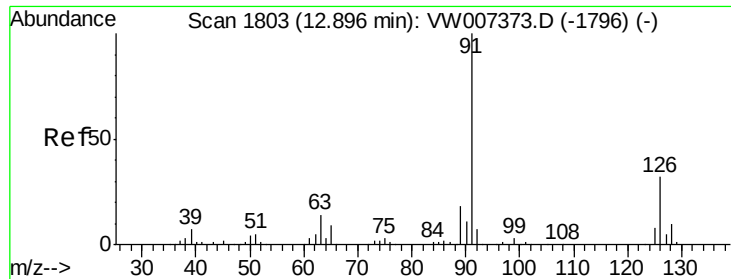
Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Tgt Ion:	91	Resp:	94436
Ion Ratio	Lower	Upper	
91	100		
120	25.3	11.9	35.5





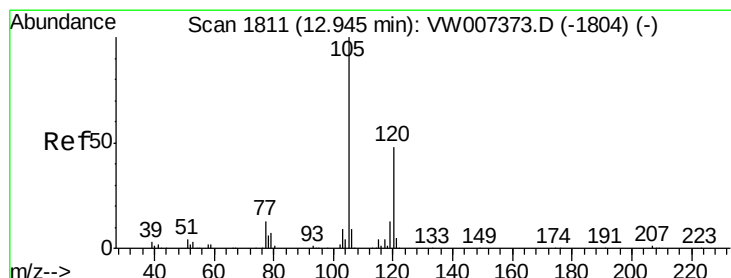
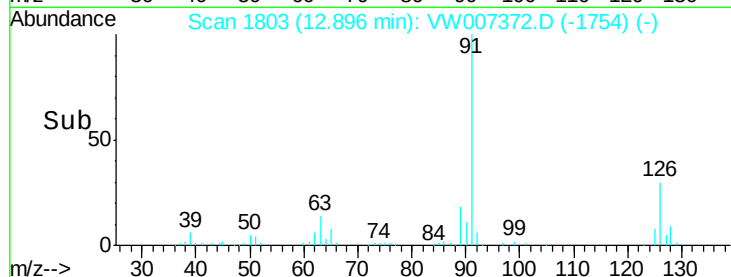
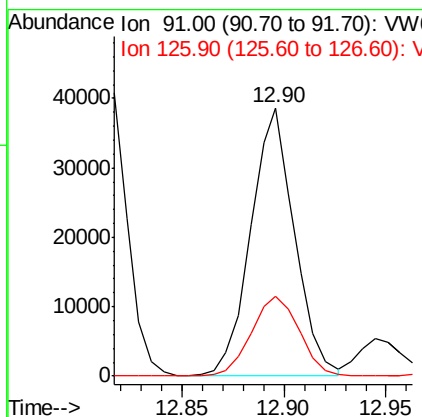
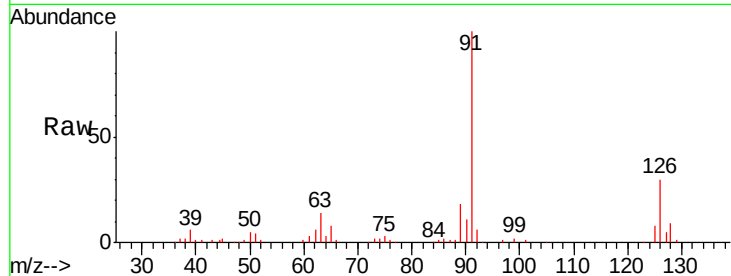
#79
 2-Chlorotoluene
 Concen: 18.587 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 91 Resp: 57614
 Ion Ratio Lower Upper
 91 100
 126 32.5 15.9 47.6

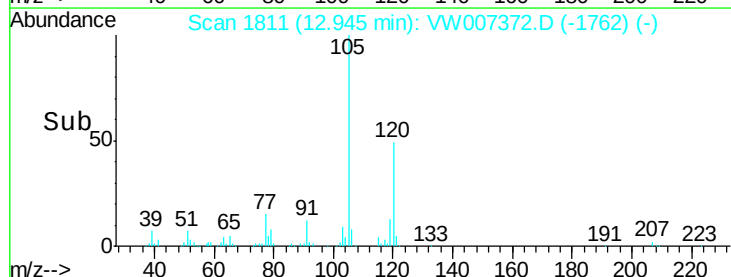
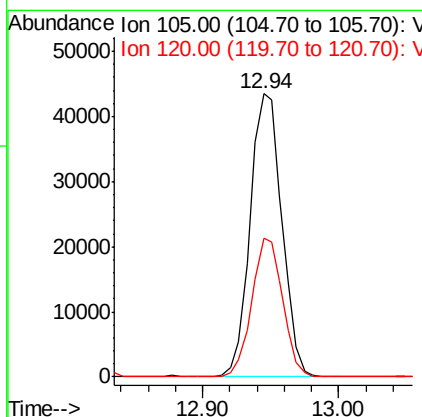
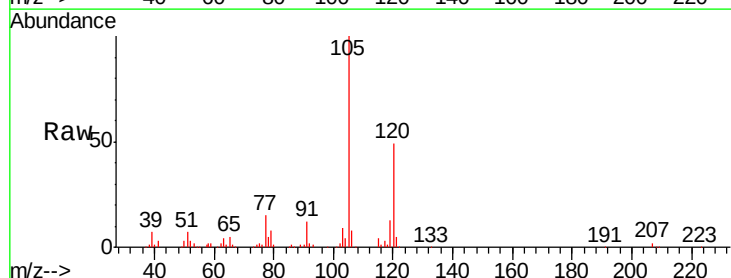
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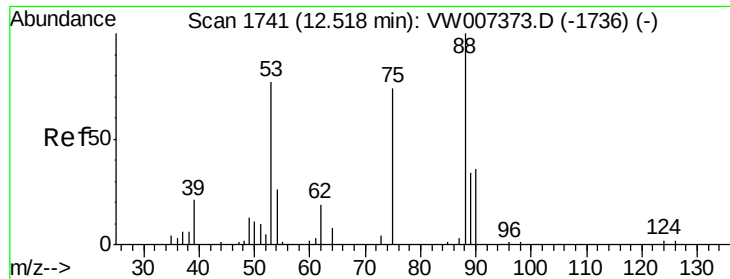
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.643 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Tgt Ion: 105 Resp: 71305
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.4





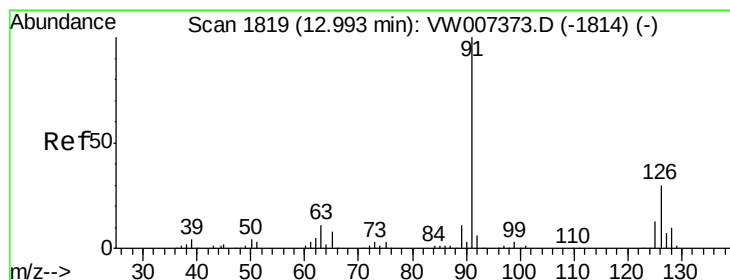
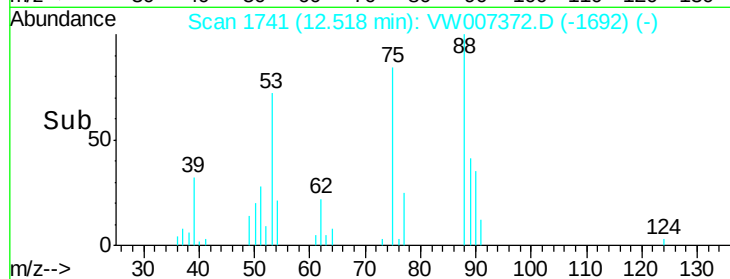
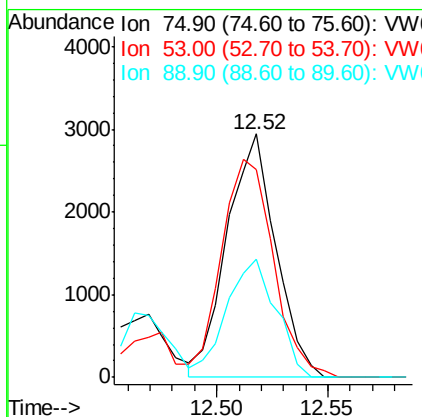
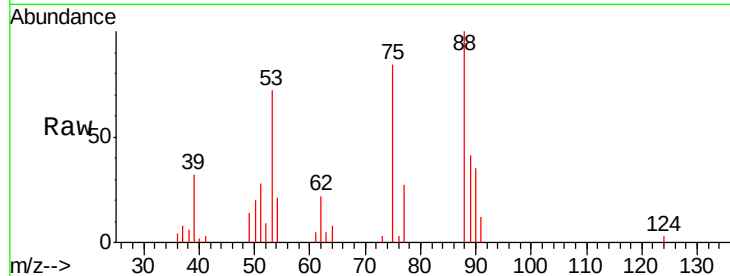
#81
trans-1,4-Dichloro-2-butene
Concen: 20.218 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	96.3	84.9	127.3
89	49.6	40.3	60.5

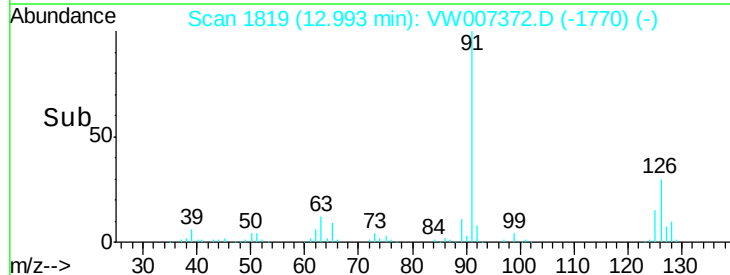
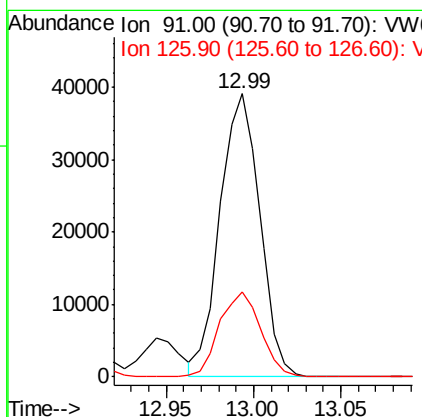
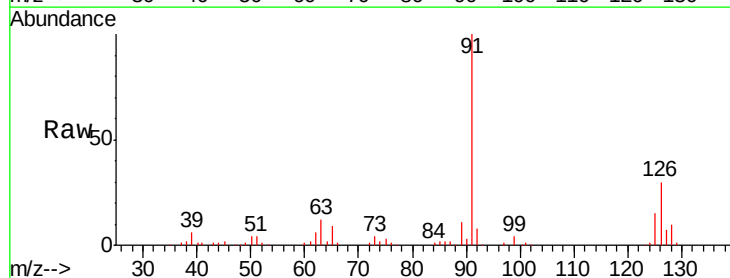
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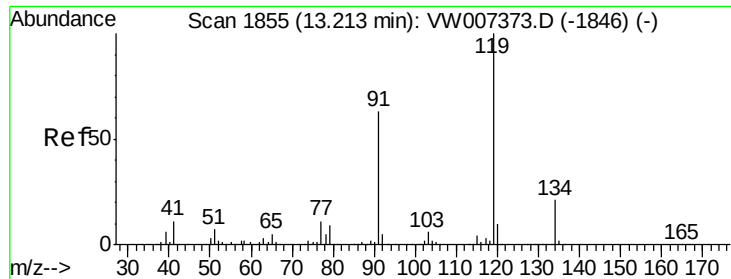
MMDadoda
12/11/2018 4:55:33 PM



#82
4-Chlorotoluene
Concen: 18.945 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.0	48.0





#83

tert-Butylbenzene

Concen: 19.003 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW007372.D

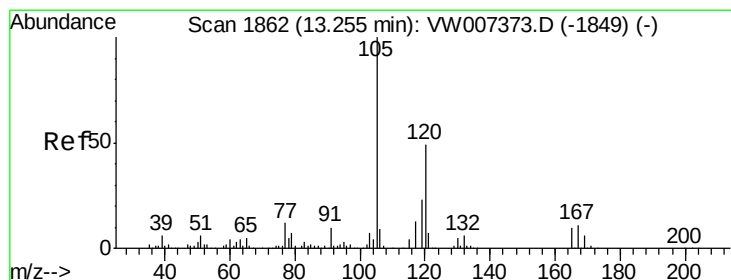
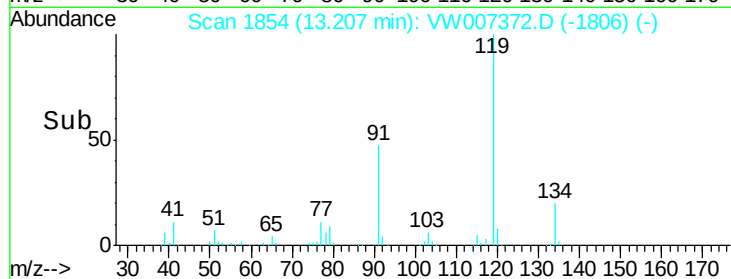
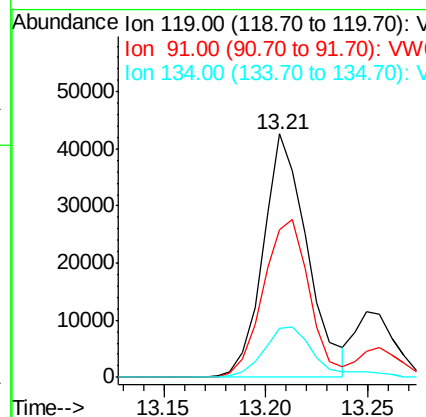
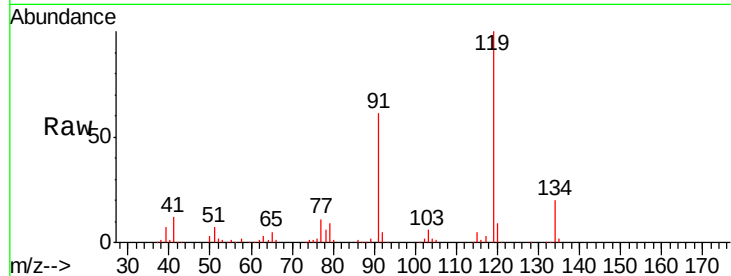
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	64042		
91	68.0	33.1	99.2	
134	24.6	12.5	37.5	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.949 ug/l

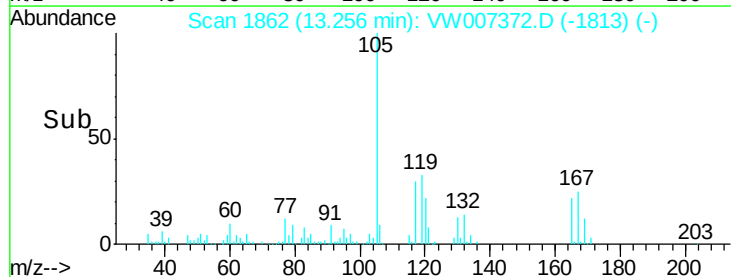
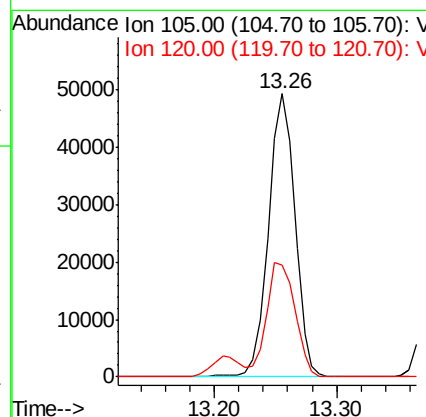
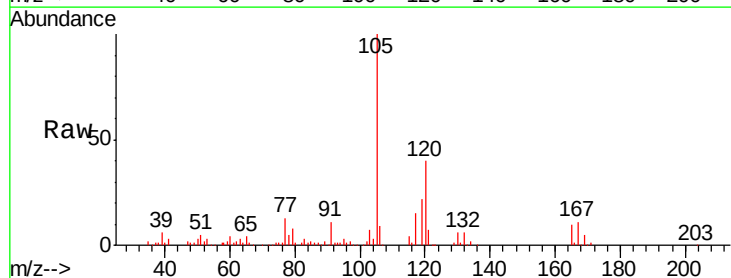
RT: 13.26 min Scan# 1862

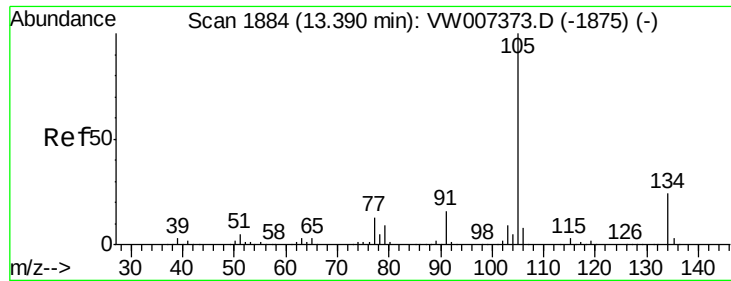
Delta R.T. 0.00 min

Lab File: VW007372.D

Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	74580		
120	43.7	22.6	67.7	





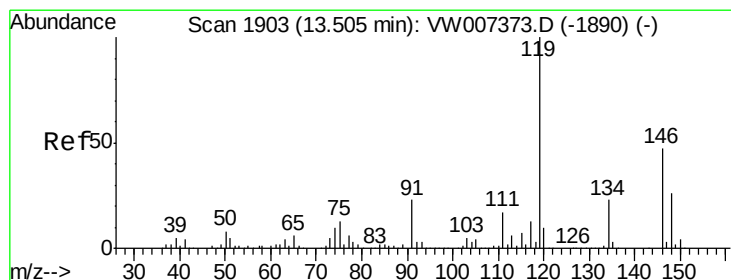
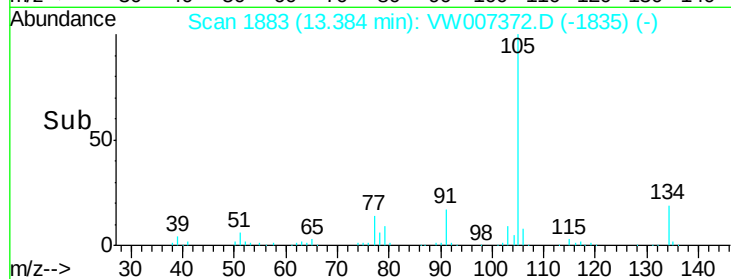
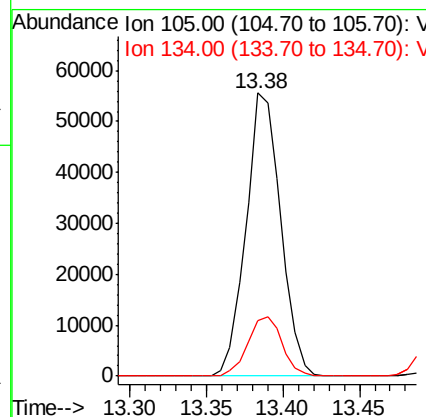
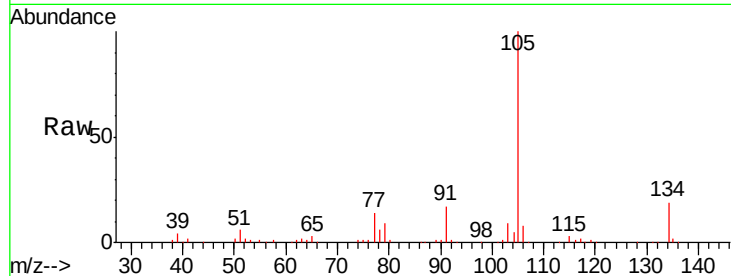
#85
 sec-Butylbenzene
 Concen: 19.032 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 87557
 Ion Ratio Lower Upper
 105 100
 134 20.6 11.1 33.3

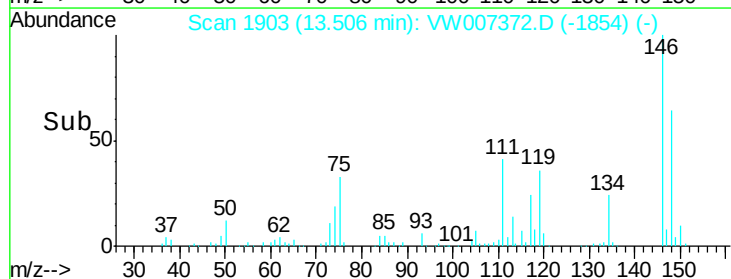
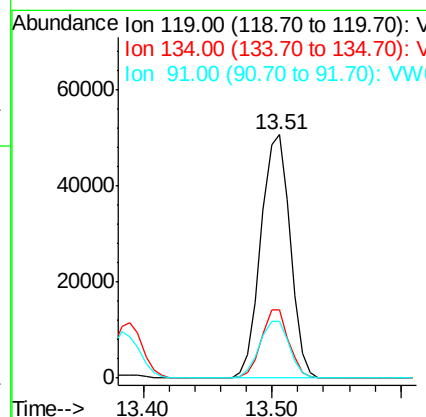
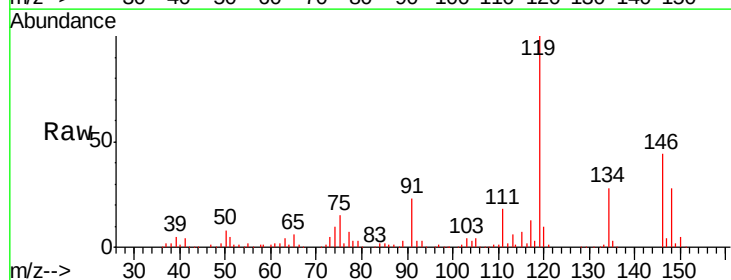
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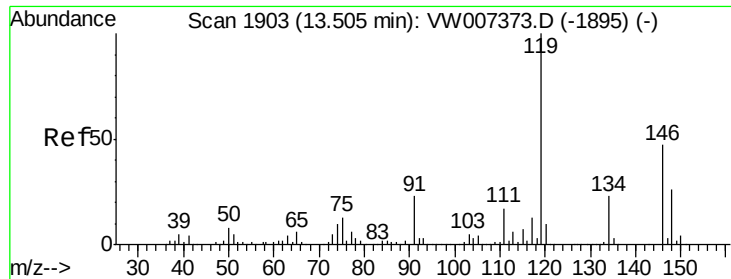
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#86
 p-Isopropyltoluene
 Concen: 19.238 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Tgt Ion:119 Resp: 79512
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.9 38.7
 91 24.3 11.9 35.9





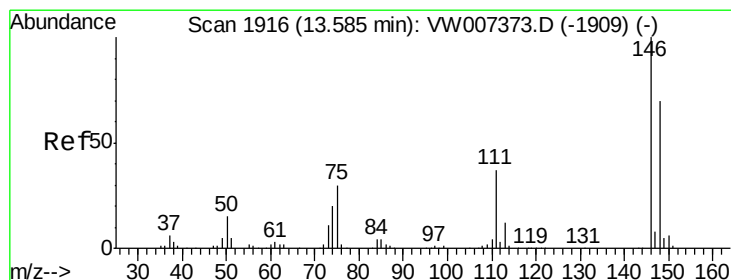
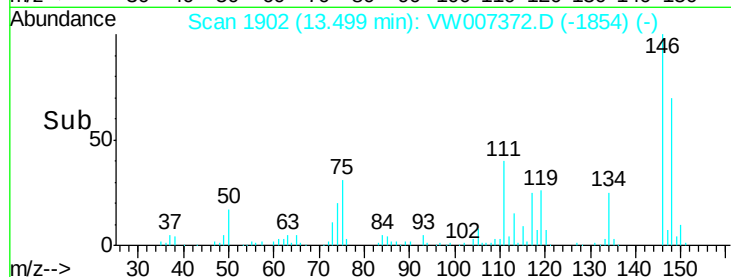
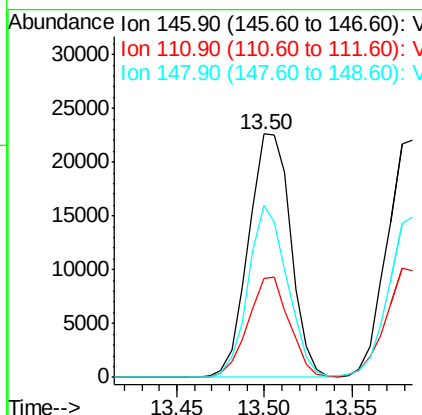
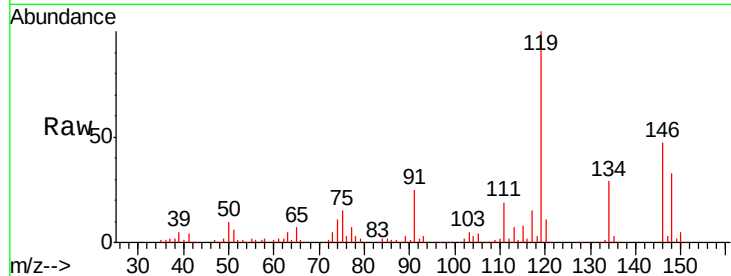
#87
 1,3-Dichlorobenzene
 Concen: 18.811 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.3
148	65.5	31.4	94.0

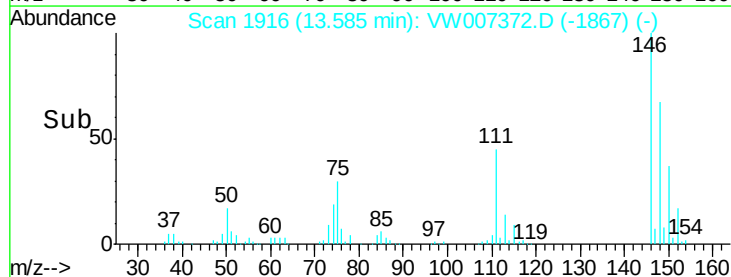
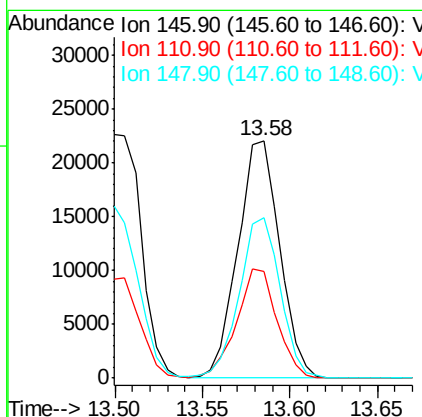
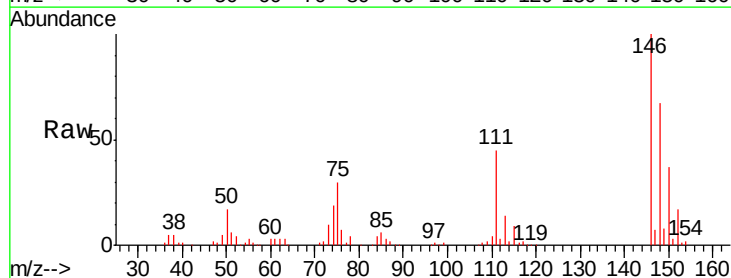
Manual Integrations
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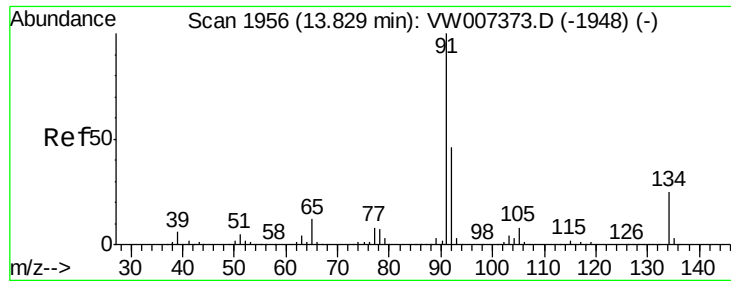
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#88
 1,4-Dichlorobenzene
 Concen: 18.191 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	20.3	61.0
148	65.8	33.5	100.5





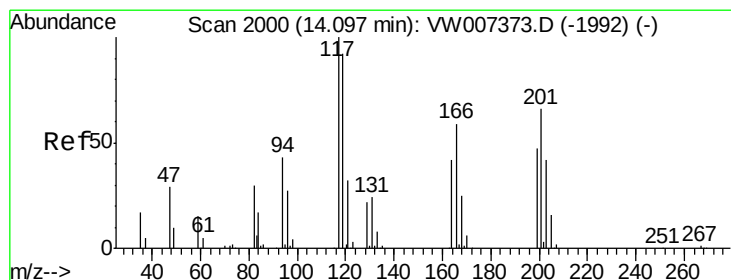
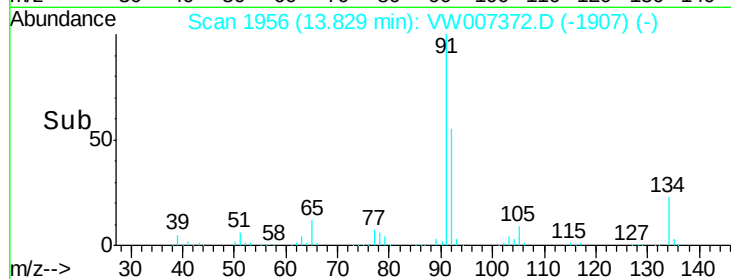
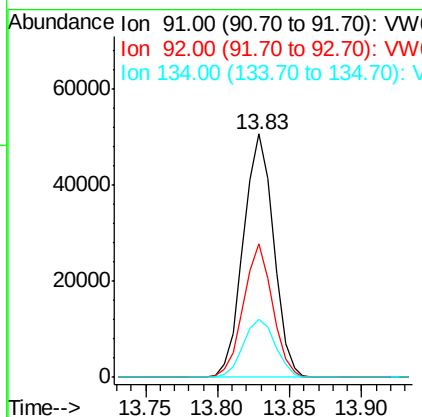
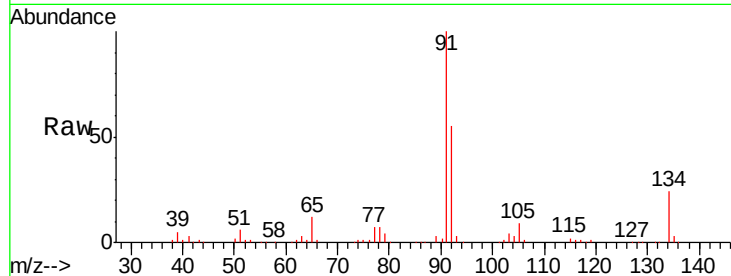
#89
n-Butylbenzene
Concen: 19.201 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 73570
Ion Ratio Lower Upper
91 100
92 52.6 25.7 77.1
134 25.4 13.4 40.2

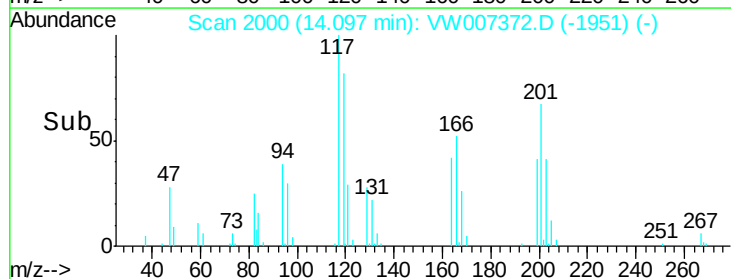
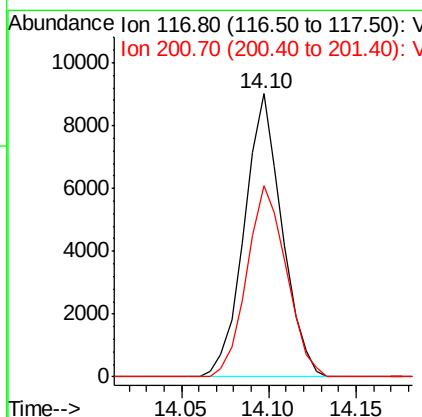
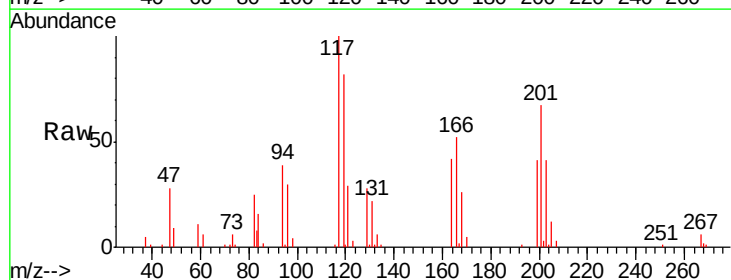
Manual Integrations
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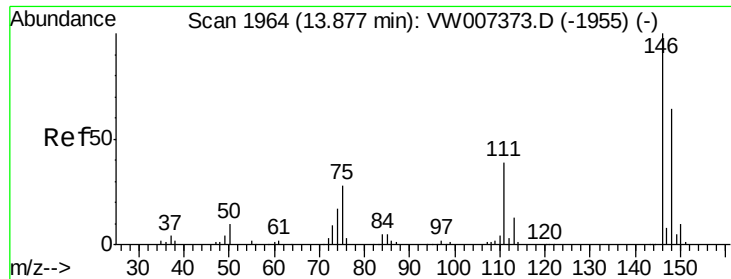
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#90
Hexachloroethane
Concen: 18.379 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion: 117 Resp: 13516
Ion Ratio Lower Upper
117 100
201 70.7 35.3 105.9





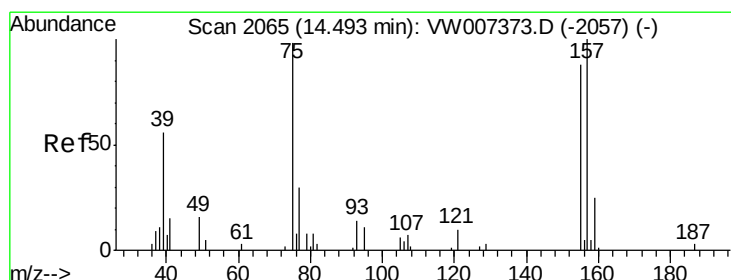
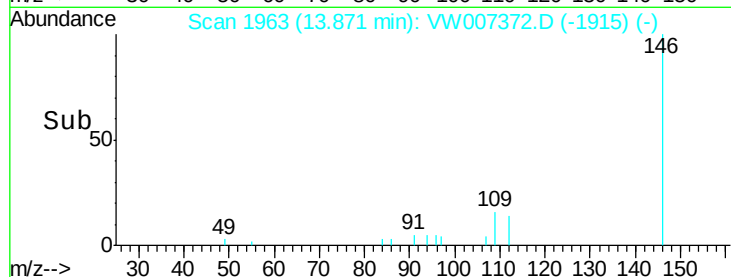
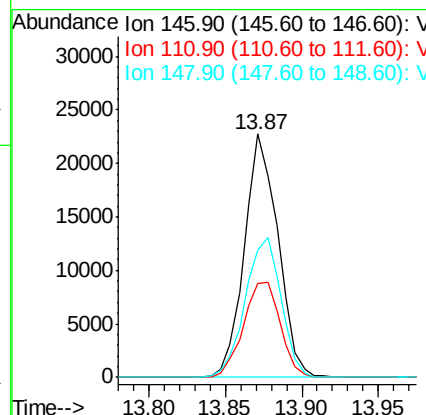
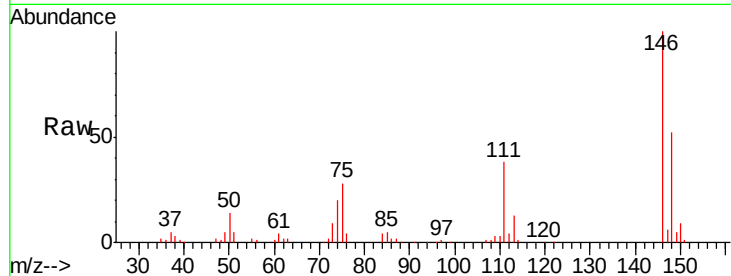
#91
 1,2-Dichlorobenzene
 Concen: 19.258 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.4	67.2
148	61.2	32.4	97.2

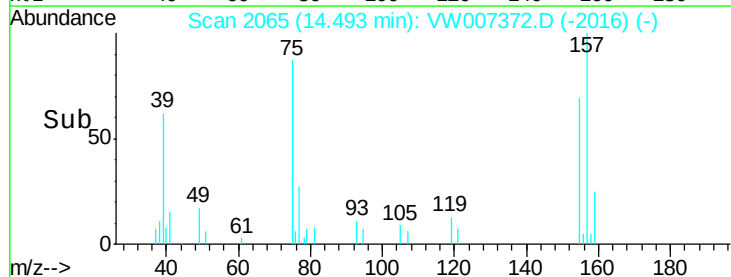
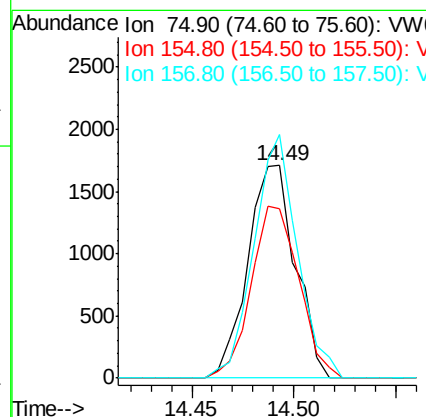
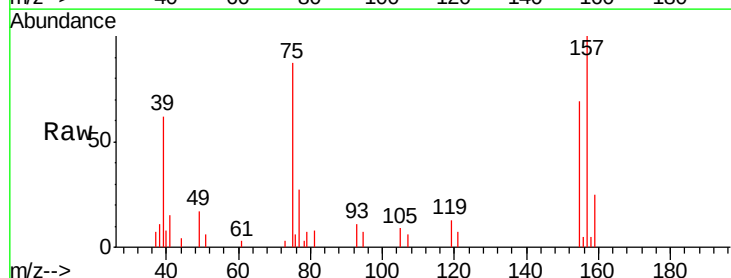
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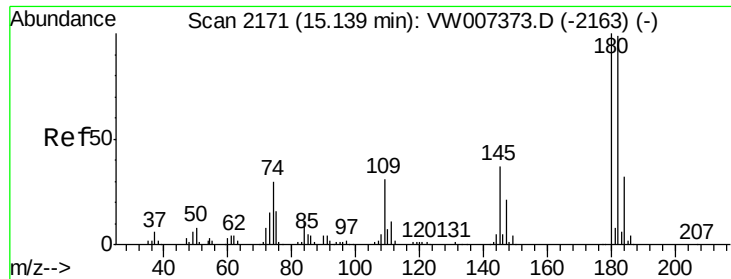
MMDadoda
 12/11/2018 4:55:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.548 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW007372.D
 Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.8	40.8	122.2
157	104.5	51.1	153.4





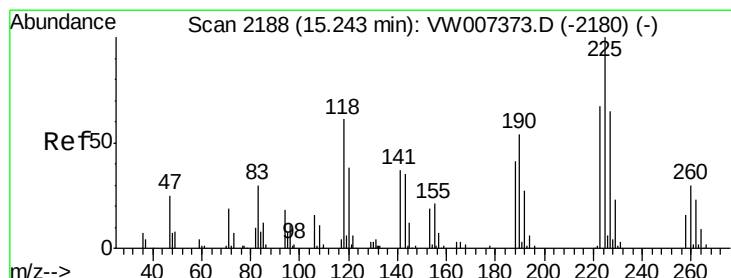
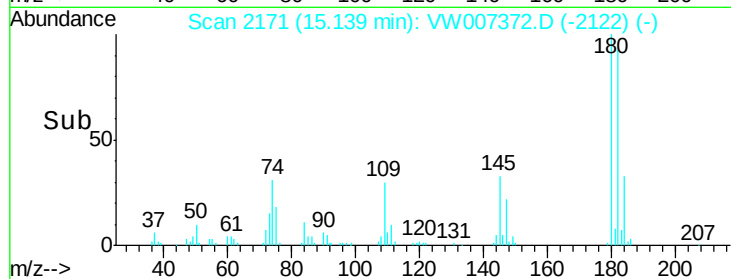
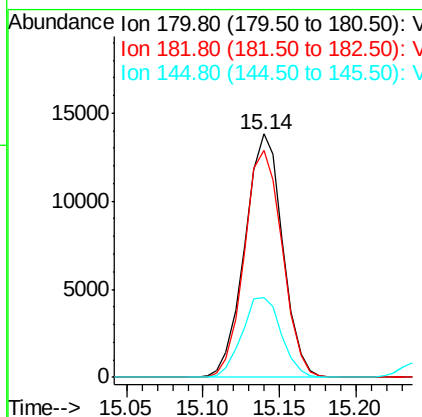
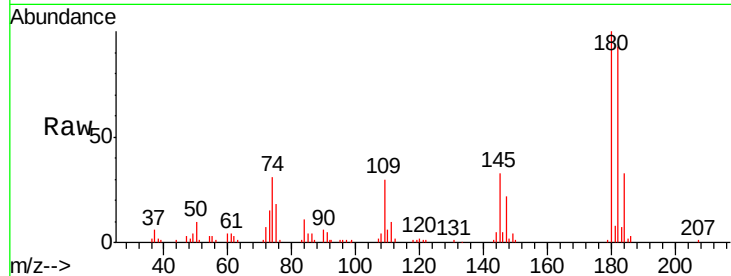
#93
1,2,4-Trichlorobenzene
Concen: 19.142 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	23735		
182	93.3	49.9	149.6	
145	34.1	17.8	53.4	

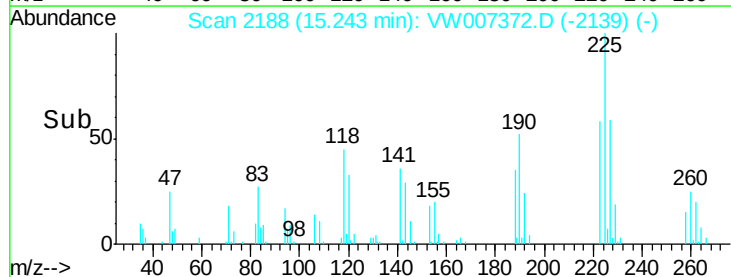
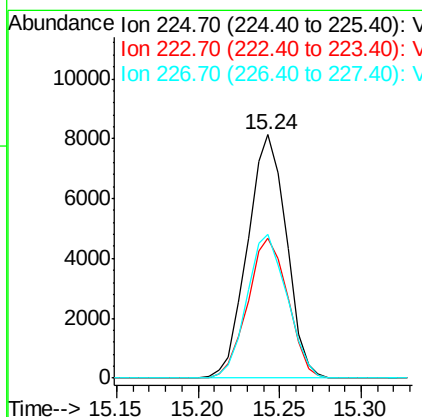
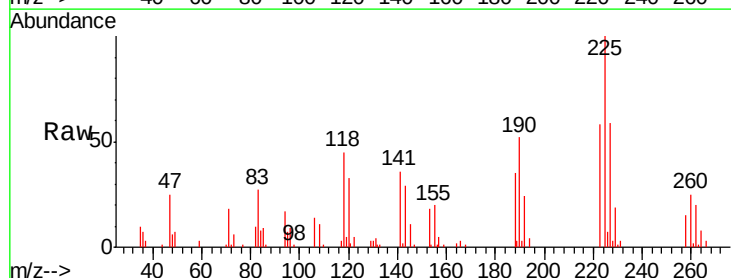
Manual Integrations
APPROVED

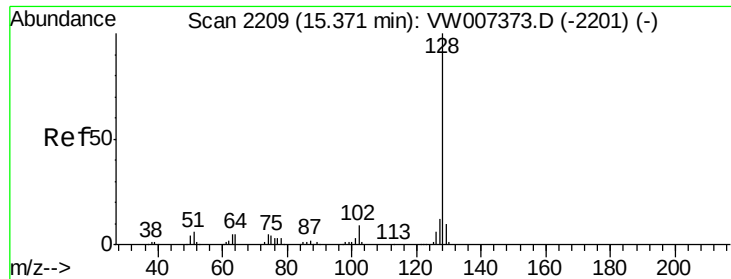
MMDadoda
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#94
Hexachlorobutadiene
Concen: 20.471 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13468		
223	59.0	32.1	96.3	
227	60.9	31.9	95.9	





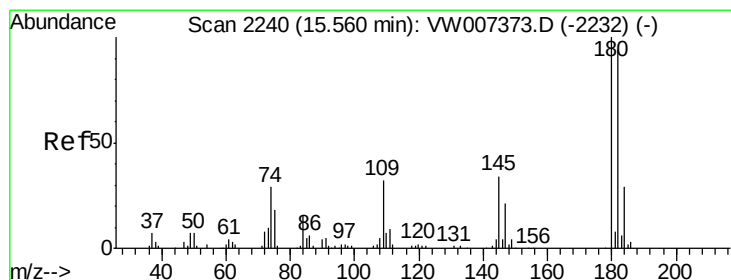
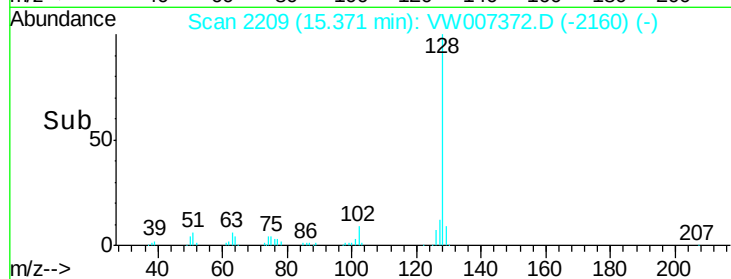
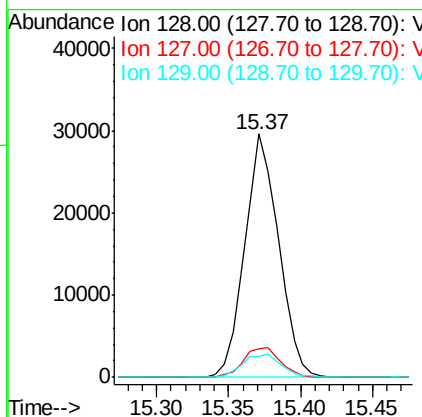
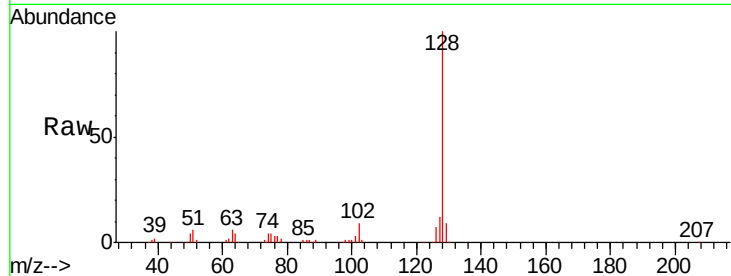
#95
Naphthalene
Concen: 20.263 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	128	Resp:	48065
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.2	15.4
129	10.9	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:55:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.802 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007372.D
Acq: 10 Dec 2018 23:40

Tgt Ion:	180	Resp:	21329
Ion Ratio	Lower	Upper	
180	100		
182	89.8	45.6	136.7
145	34.5	17.5	52.5

