

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007376.D
 Acq On : 11 Dec 2018 01:23
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 02:42:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 01:34:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	140531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	112846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131935	165.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	330.22%	
35) Dibromofluoromethane	7.88	113	124776	152.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.14%	
50) Toluene-d8	10.32	98	464651	132.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.22%	
62) 4-Bromofluorobenzene	12.62	95	164325	125.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	250.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	81747	96.290	ug/l	98
3) Chloromethane	2.22	50	70606	68.074	ug/l	99
4) Vinyl Chloride	2.37	62	80464	117.152	ug/l	99
5) Bromomethane	2.78	94	55403	154.104	ug/l	90
6) Chloroethane	2.92	64	47319	122.210	ug/l	100
7) Trichlorofluoromethane	3.26	101	83204	66.419	ug/l	100
8) Diethyl Ether	3.68	74	49842	126.616	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120051	142.336	ug/l	98
10) Methyl Iodide	4.26	142	206897	248.101	ug/l	99
11) Tert butyl alcohol	5.17	59	43529	494.261	ug/l	99
12) 1,1-Dichloroethene	4.03	96	118081	148.461	ug/l	99
13) Acrolein	3.89	56	27317	529.018	ug/l	100
14) Allyl chloride	4.67	41	176770	140.974	ug/l	100
15) Acrylonitrile	5.36	53	121372	748.847	ug/l	99
16) Acetone	4.12	43	110115	632.265	ug/l	99
17) Carbon Disulfide	4.37	76	360369	140.376	ug/l	99
18) Methyl Acetate	4.67	43	59108	141.442	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	171055	97.867	ug/l	99
20) Methylene Chloride	4.91	84	124468	115.730	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	131209	147.766	ug/l	94
22) Diisopropyl ether	6.31	45	337837	148.942	ug/l	97
23) Vinyl Acetate	6.25	43	966388	777.306	ug/l	99
24) 1,1-Dichloroethane	6.21	63	225843	153.180	ug/l	98
25) 2-Butanone	7.17	43	149651	715.820	ug/l	99
26) 2,2-Dichloropropane	7.17	77	142691	106.592	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	146978	153.548	ug/l	100
28) Bromochloromethane	7.51	49	85725	158.868	ug/l	98
29) Tetrahydrofuran	7.52	42	93899	718.781	ug/l	97
30) Chloroform	7.68	83	249303	161.116	ug/l	99
31) Cyclohexane	7.95	56	191285	127.481	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	214072	149.700	ug/l	99
36) 1,1-Dichloropropene	8.08	75	184696	137.240	ug/l	99
37) Ethyl Acetate	7.25	43	67975	139.557	ug/l	98
38) Carbon Tetrachloride	8.07	117	206351	147.831	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	222821	125.046	ug/l	91
40) Benzene	8.32	78	518541	139.495	ug/l	100
41) Methacrylonitrile	7.49	41	40531	139.468	ug/l	98
42) 1,2-Dichloroethane	8.40	62	163634	153.816	ug/l	100
43) Isopropyl Acetate	8.43	43	139178	145.873	ug/l	99
44) Trichloroethene	9.09	130	149742	143.854	ug/l	98
45) 1,2-Dichloropropane	9.37	63	121936	140.817	ug/l	92
46) Dibromomethane	9.46	93	68125	149.228	ug/l	96
47) Bromodichloromethane	9.65	83	183398	152.581	ug/l	94
48) Methyl methacrylate	9.44	41	68901	140.470	ug/l	99
49) 1,4-Dioxane	9.45	88	22212	2829.572	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	319355	687.896	ug/l	100
52) Toluene	10.39	92	339789	132.655	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	177530	148.929	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	204494	146.696	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	89906	139.588	ug/l #	89
56) Ethyl methacrylate	10.65	69	115339	139.846	ug/l	98
57) 1,3-Dichloropropane	10.93	76	152721	141.409	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	277287	800.520	ug/l	99
59) 2-Hexanone	10.97	43	216642	655.193	ug/l	96
60) Dibromochloromethane	11.13	129	120571	151.450	ug/l	98
61) 1,2-Dibromoethane	11.24	107	93039	151.612	ug/l	92
64) Tetrachloroethene	10.86	164	122146	150.692	ug/l	92
65) Chlorobenzene	11.66	112	362148	146.721	ug/l	88
66) 1,1,1,2-Tetrachloroethane	11.73	131	127440	163.553	ug/l	97
67) Ethyl Benzene	11.73	91	620807	138.278	ug/l	99
68) m/p-Xylenes	11.84	106	466372	266.434	ug/l	91
69) o-Xylene	12.17	106	225815	136.947	ug/l	96
70) Styrene	12.18	104	371659	138.766	ug/l	97
71) Bromoform	12.35	173	66897	171.959	ug/l #	99
73) Isopropylbenzene	12.47	105	663527	146.654	ug/l	99
74) N-amyl acetate	12.27	43	123686	155.149	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	91643	151.050	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	61786m	133.988	ug/l	
77) Bromobenzene	12.75	156	144906	145.881	ug/l	97
78) n-propylbenzene	12.81	91	749911	138.011	ug/l	98
79) 2-Chlorotoluene	12.90	91	433499	140.622	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	574755	148.359	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.52	75	33219	165.601	ug/l	90
82) 4-Chlorotoluene	12.99	91	439875	134.095	ug/l	93
83) tert-Butylbenzene	13.21	119	460862	134.754	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	544606	137.373	ug/l	96
85) sec-Butylbenzene	13.39	105	610515	126.641	ug/l	98
86) p-Isopropyltoluene	13.51	119	557001	128.473	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	274565	135.218	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	273361	134.621	ug/l	96
89) n-Butylbenzene	13.83	91	493683	122.559	ug/l	96
90) Hexachloroethane	14.10	117	103411	154.867	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	249707	143.138	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18489	157.437	ug/l	99

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Dec 11 01:34:00 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	169836	140.452	ug/l	96
94) Hexachlorobutadiene	15.24	225	86135	131.807	ug/l	98
95) Naphthalene	15.38	128	332407	151.070	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	149340	144.249	ug/l	98

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

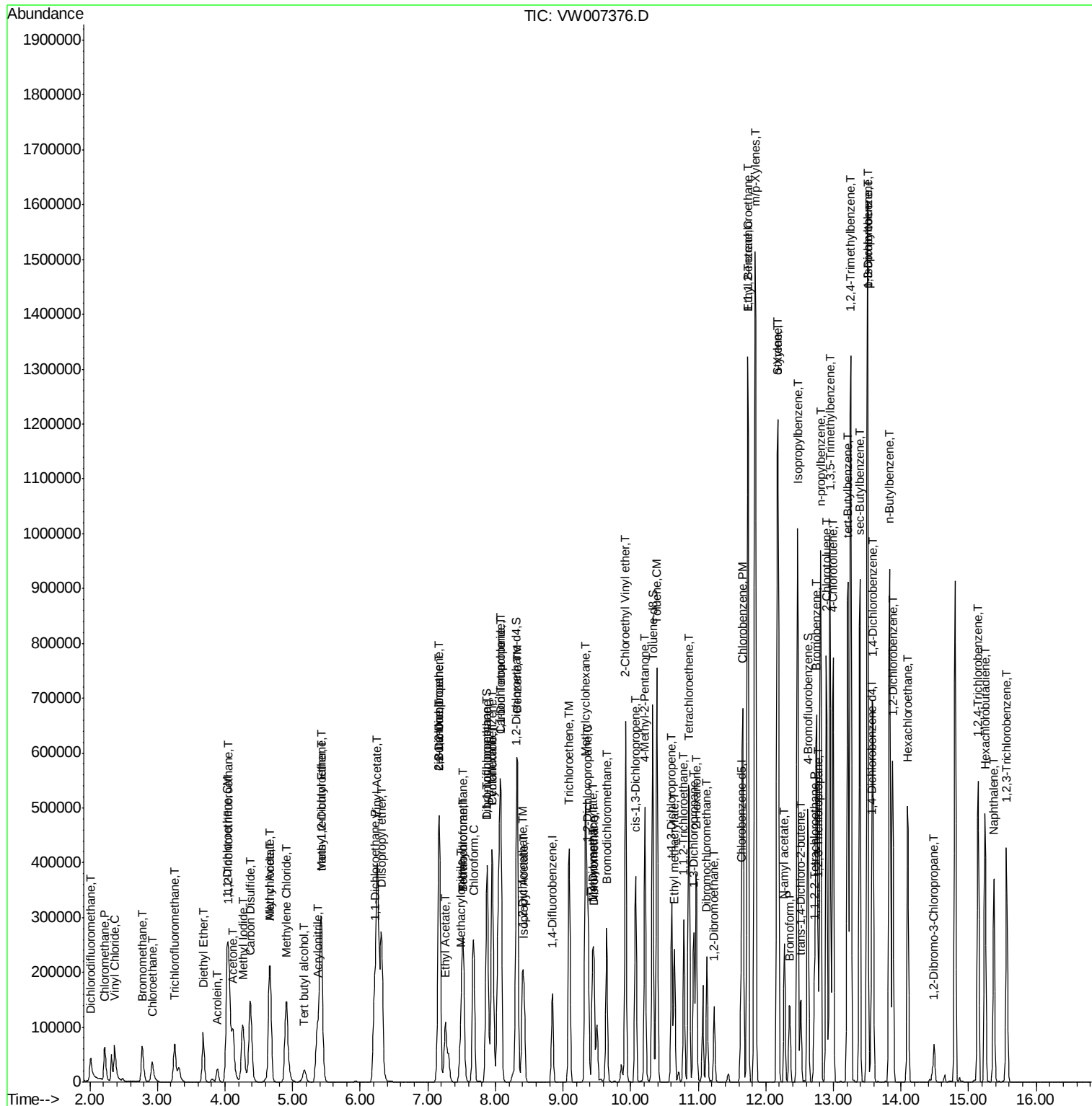
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Data File : VW007376.D
Acq On : 11 Dec 2018 01:23
Operator : SY/AP
Sample : VSTDIC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

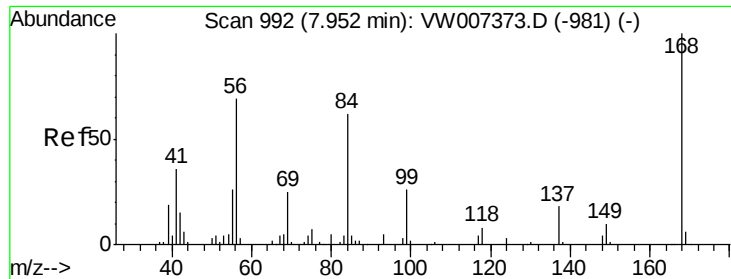
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

MMDadoda
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 82427

Ion Ratio Lower Upper

168 100

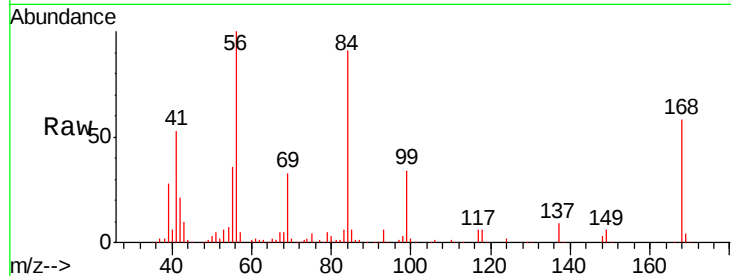
99 59.8 48.3 72.5

Manual Integrations

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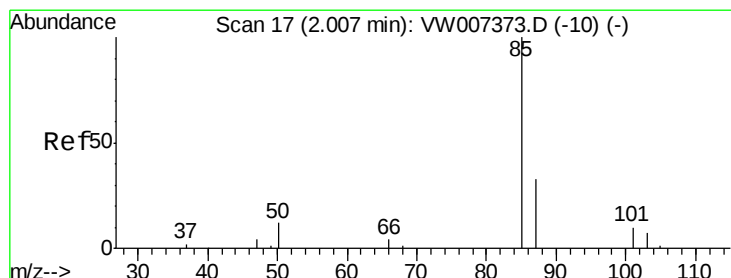
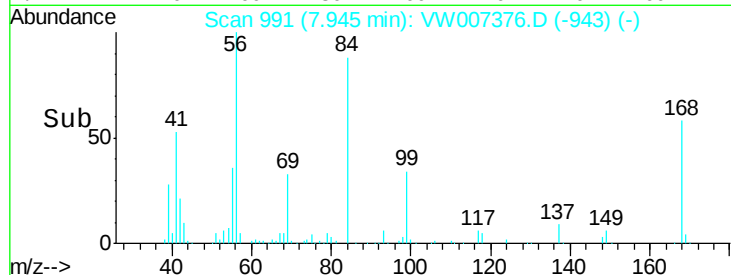
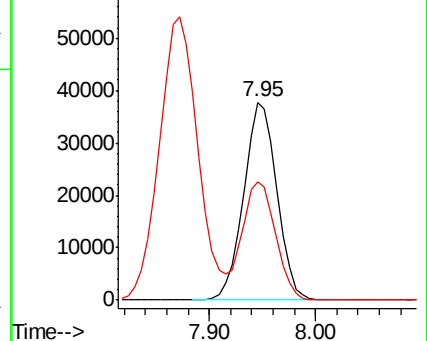
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 96.290 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW007376.D

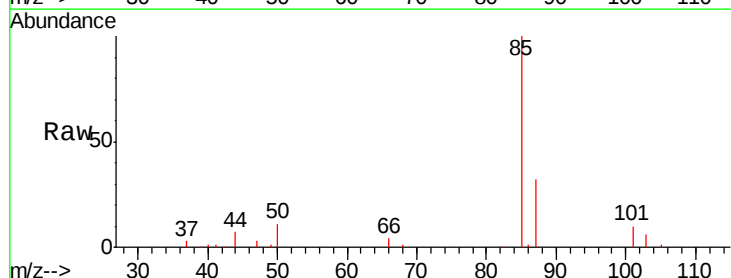
Acq: 11 Dec 2018 01:23

Tgt Ion: 85 Resp: 81747

Ion Ratio Lower Upper

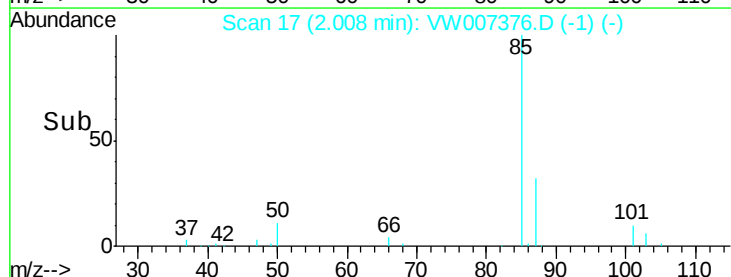
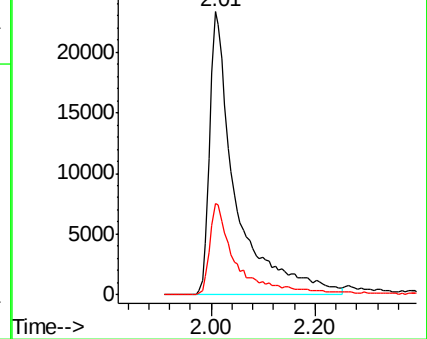
85 100

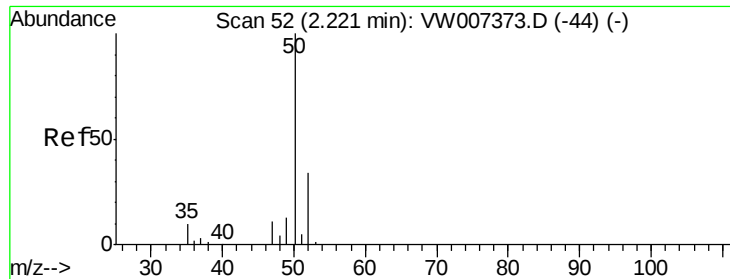
87 32.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 68.074 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 70606

Ion Ratio Lower Upper

50 100

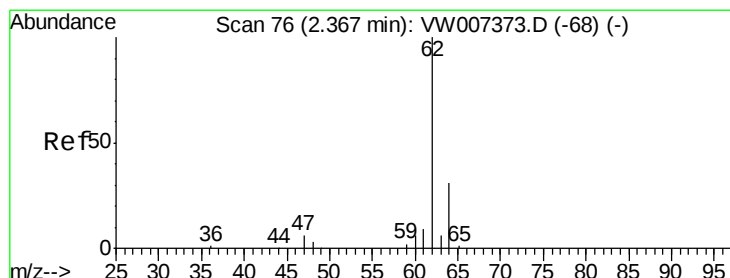
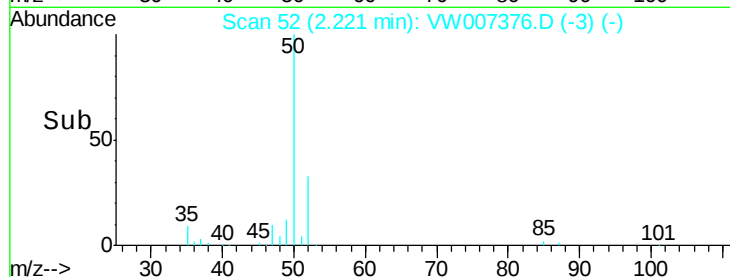
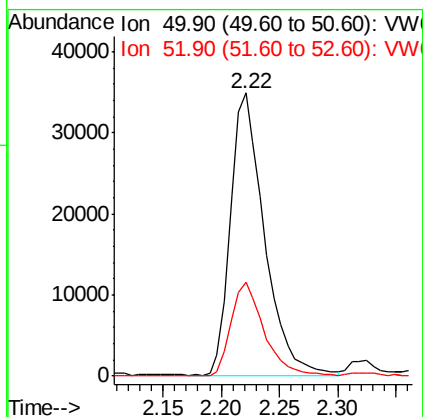
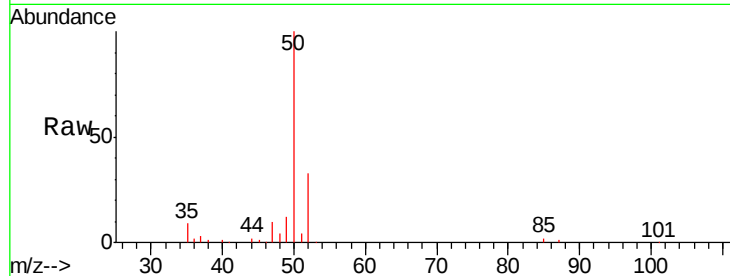
52 33.4 27.4 41.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 117.152 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007376.D

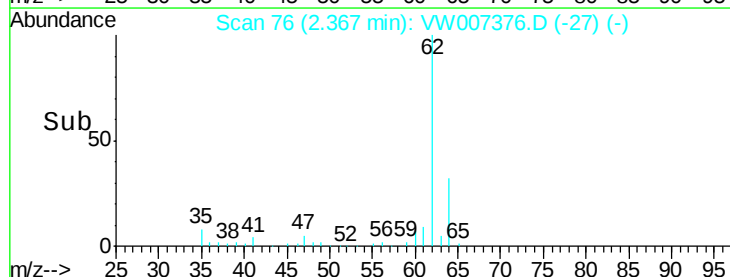
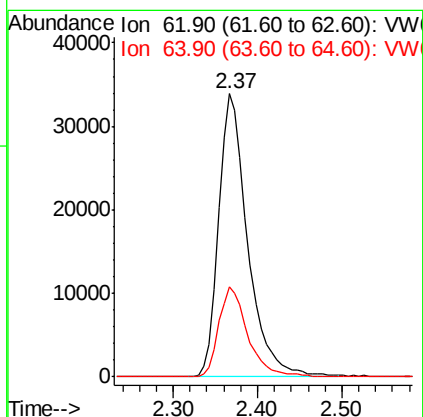
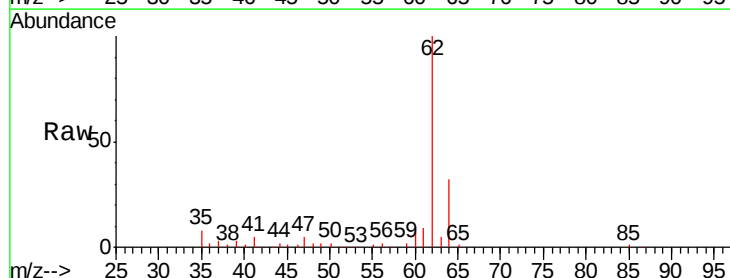
Acq: 11 Dec 2018 01:23

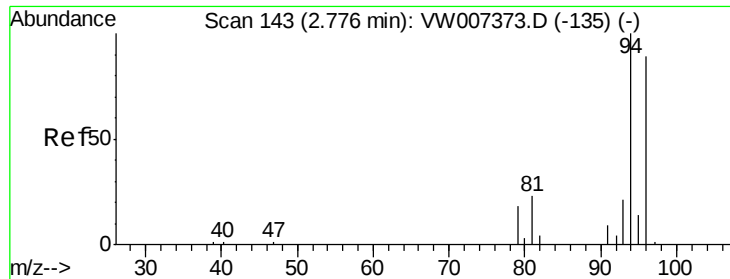
Tgt Ion: 62 Resp: 80464

Ion Ratio Lower Upper

62 100

64 31.6 24.6 37.0





#5

Bromomethane

Concen: 154.104 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

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ClientSampleId :

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Tgt Ion: 94 Resp: 55403

Ion Ratio Lower Upper

94 100

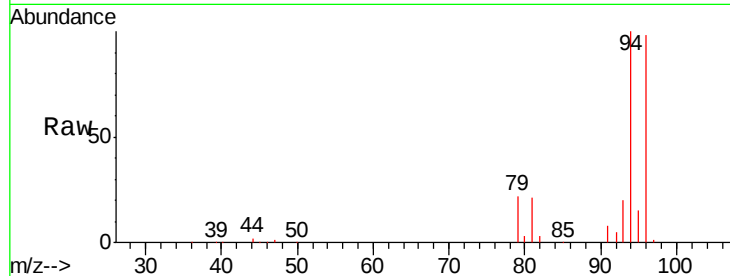
96 97.7 71.0 106.4

Manual Integrations

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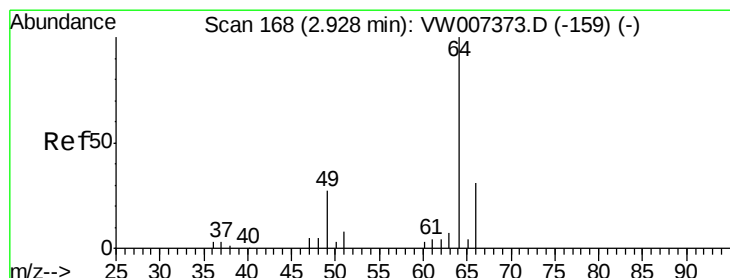
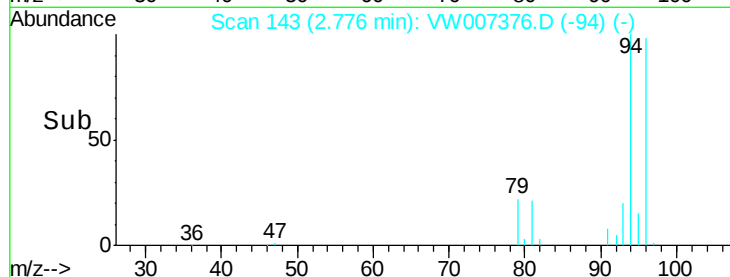
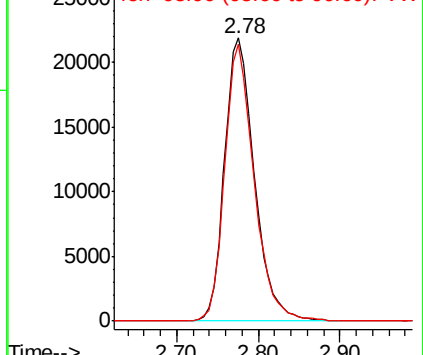
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 122.210 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007376.D

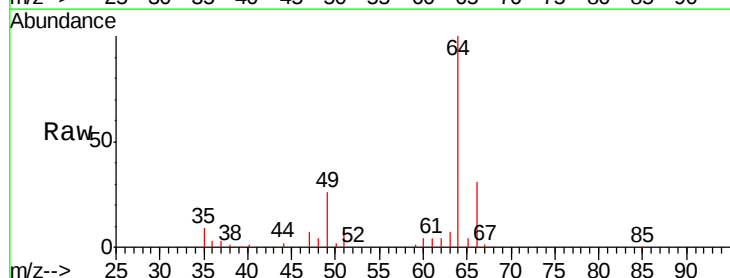
Acq: 11 Dec 2018 01:23

Tgt Ion: 64 Resp: 47319

Ion Ratio Lower Upper

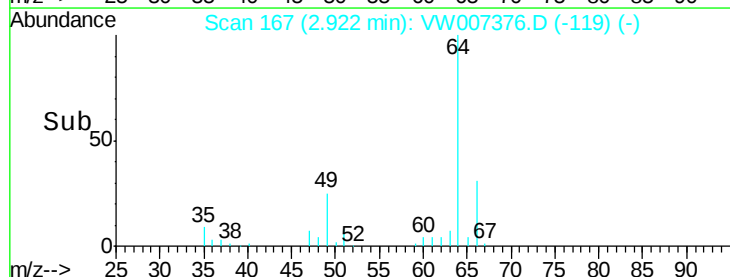
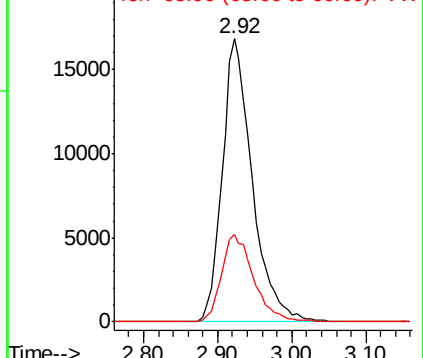
64 100

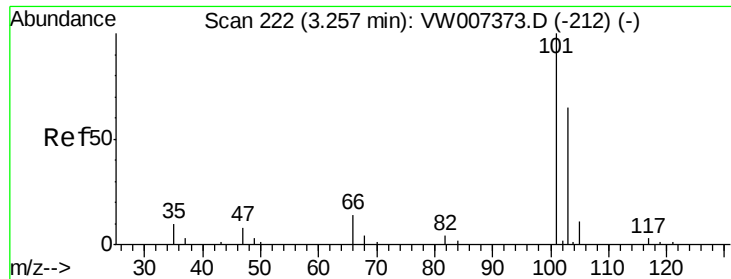
66 31.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

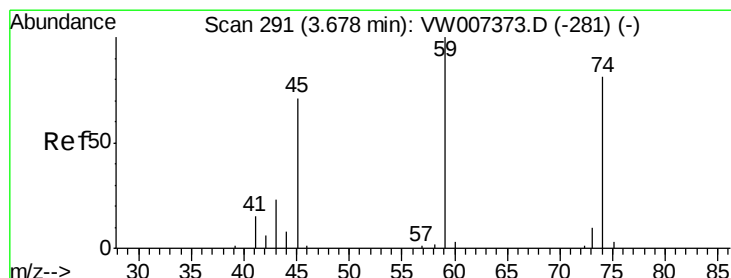
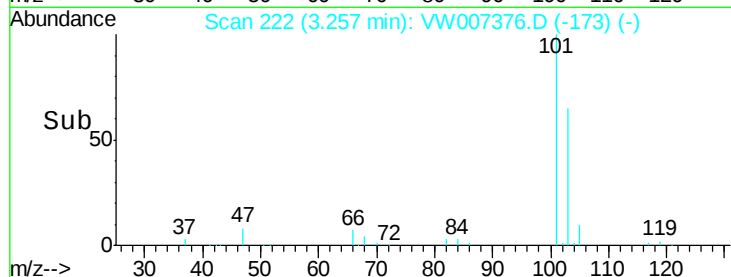
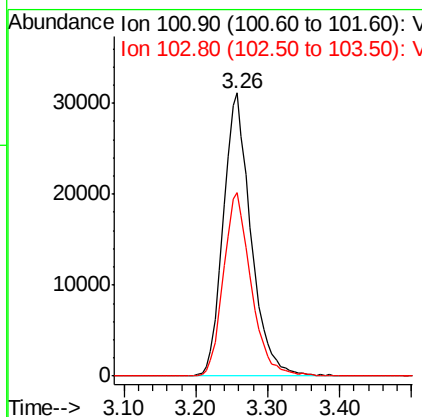
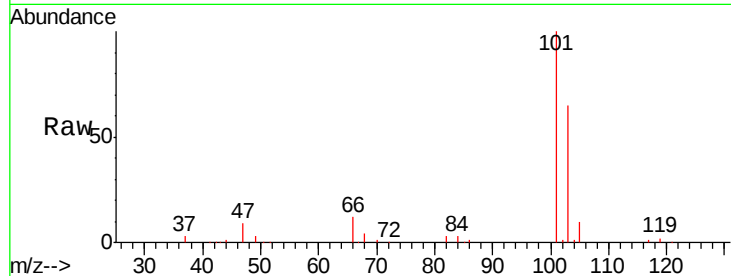
Trichlorofluoromethane
Concen: 66.419 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 101 Resp: 83204
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5

Manual Integrations
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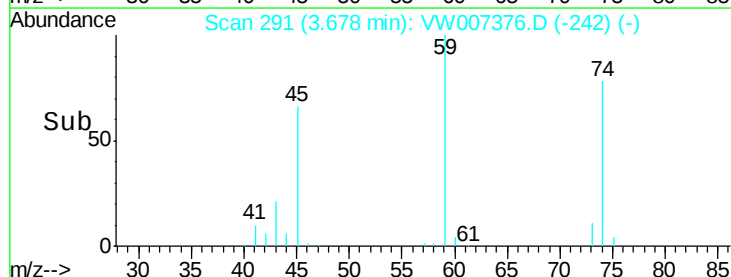
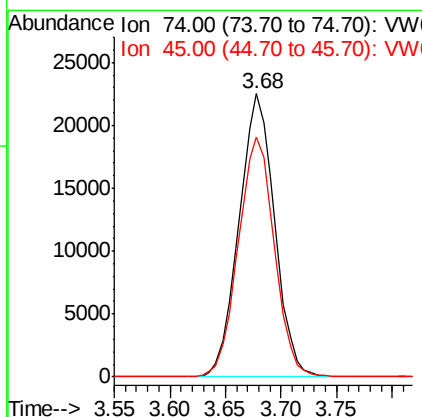
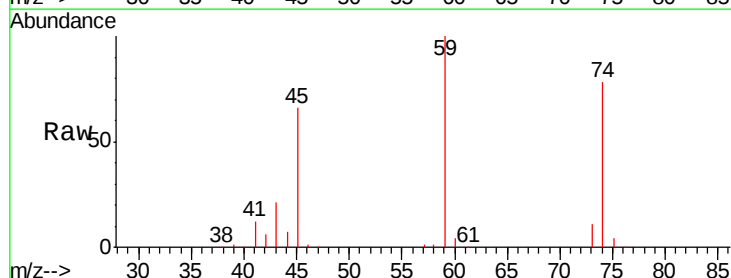
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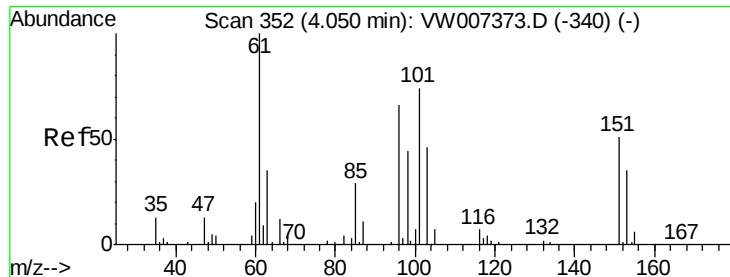


#8

Diethyl Ether
Concen: 126.616 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion: 74 Resp: 49842
Ion Ratio Lower Upper
74 100
45 86.1 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.336 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

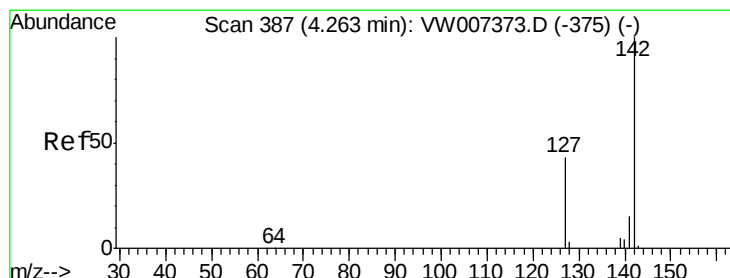
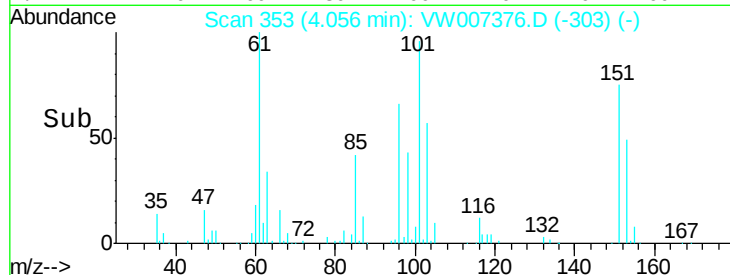
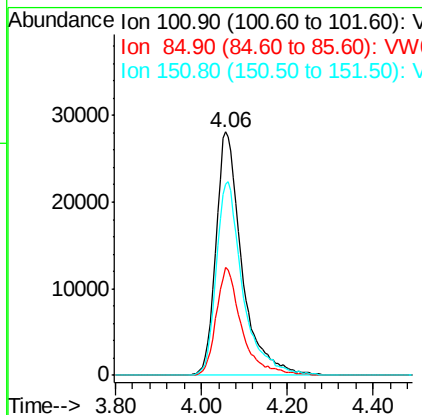
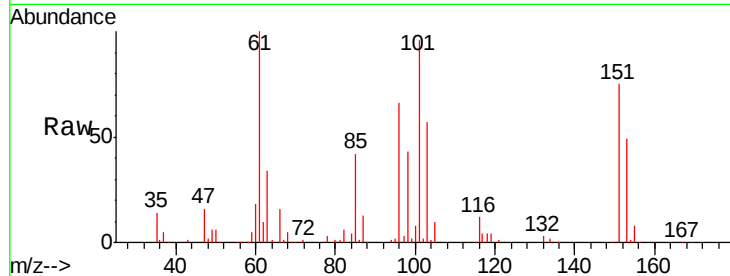
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	120051
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.9	50.9
151	81.3	63.7	95.5

Manual Integrations
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#10

Methyl Iodide

Concen: 248.101 ug/l

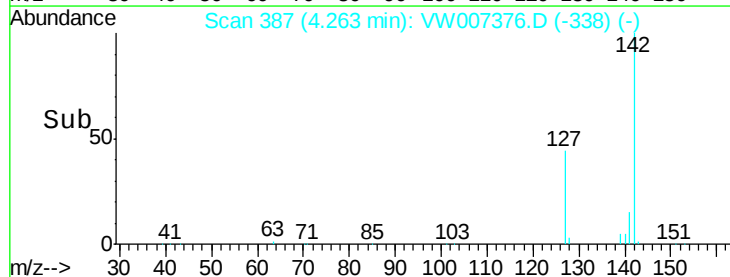
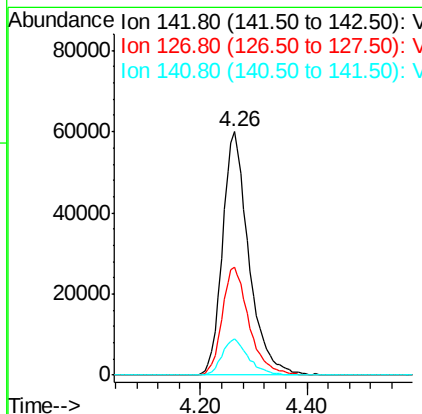
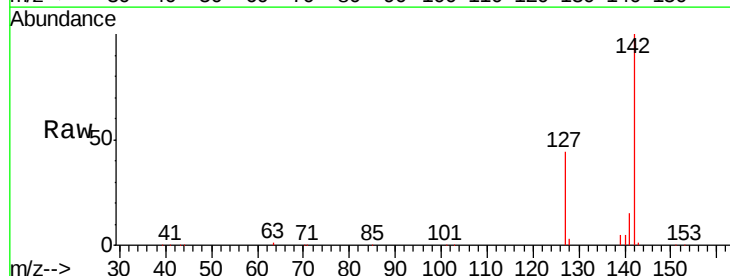
RT: 4.26 min Scan# 387

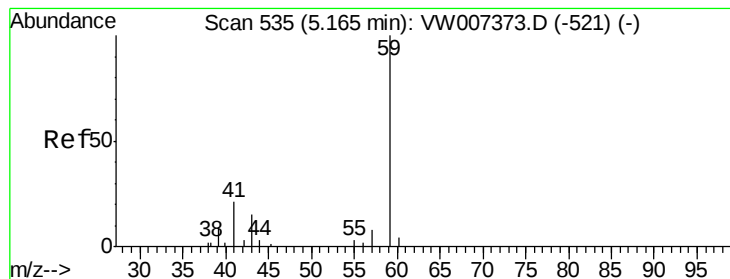
Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Tgt Ion:	142	Resp:	206897
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.8	53.6
141	14.7	11.1	16.7





#11

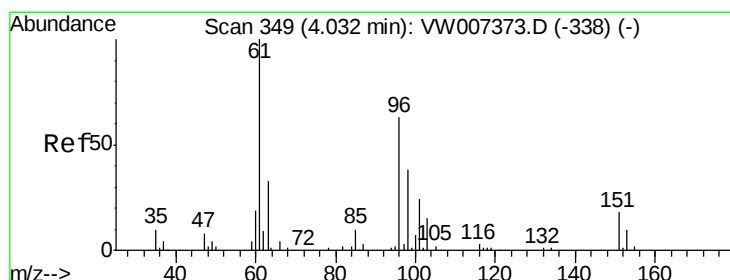
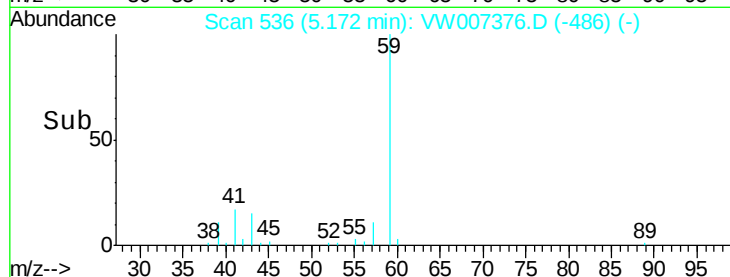
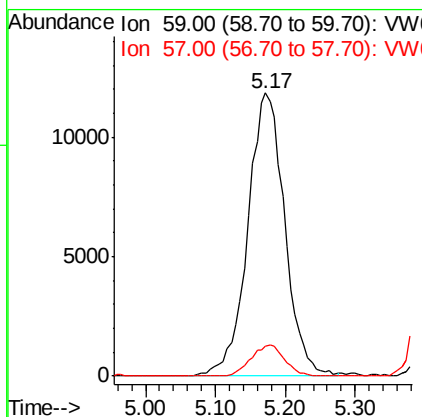
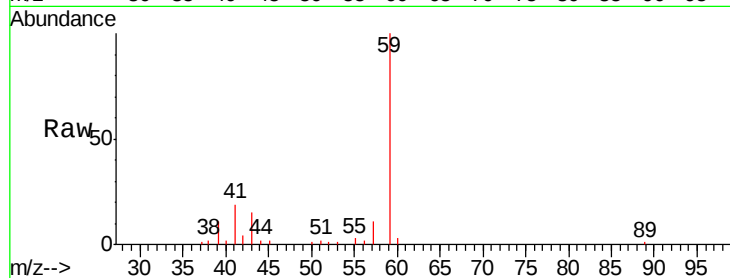
Tert butyl alcohol
Concen: 494.261 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.6	11.4

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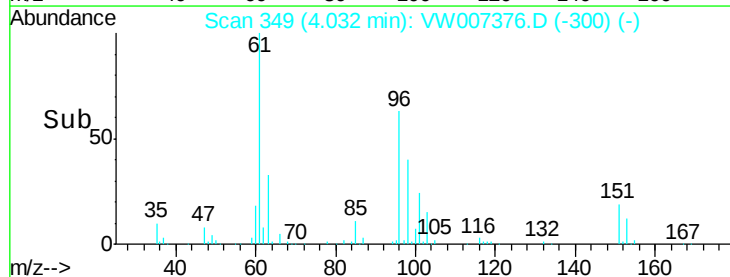
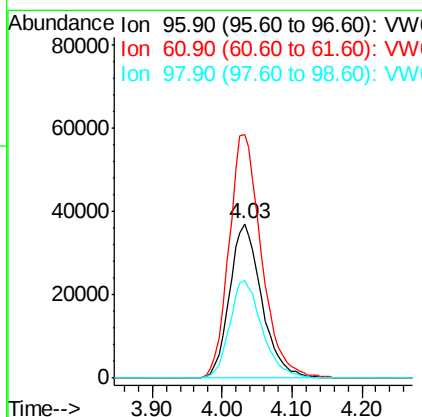
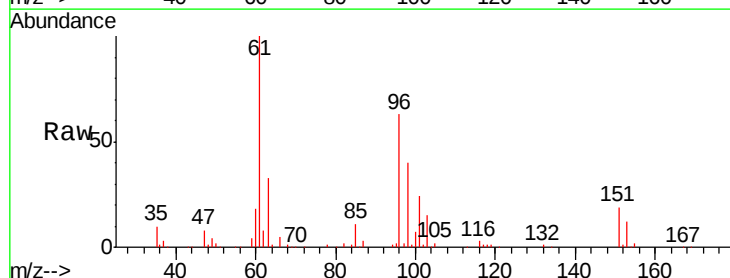
MMDadoda
12/11/2018 4:55:55 PM

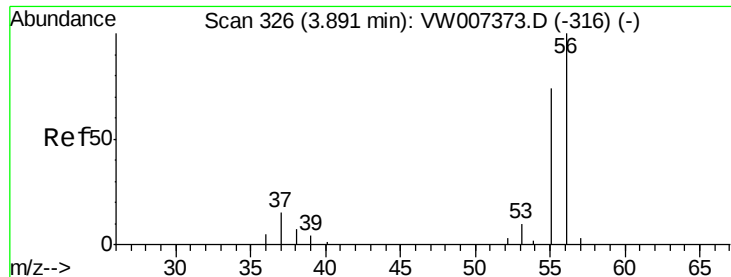


#12

1,1-Dichloroethene
Concen: 148.461 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	126.2	189.2
98	63.3	48.3	72.5





#13

Acrolein

Concen: 529.018 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 27317

Ion Ratio Lower Upper

56 100

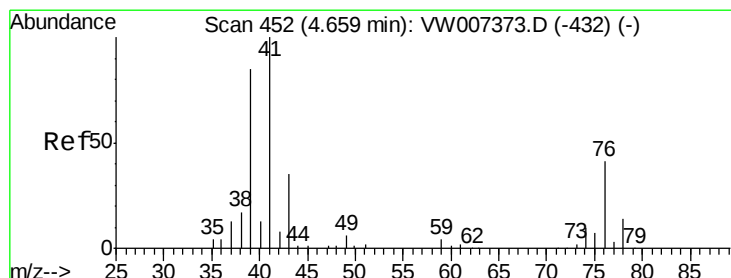
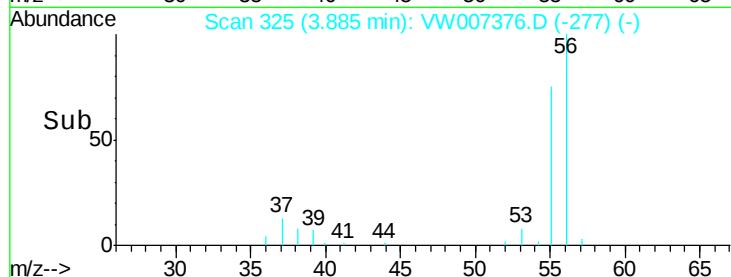
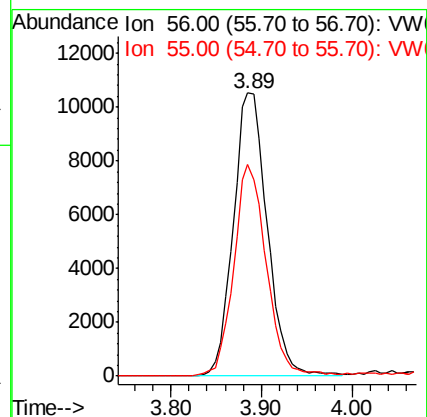
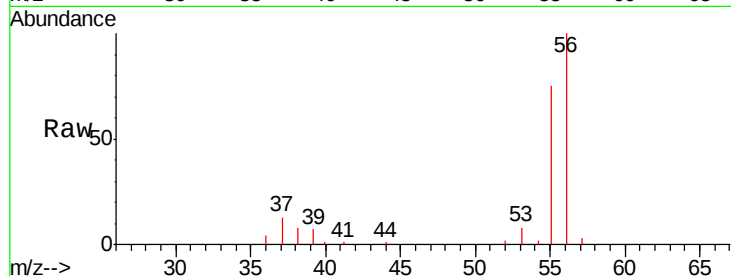
55 72.0 57.4 86.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:55:55 PM



#14

Allyl chloride

Concen: 140.974 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

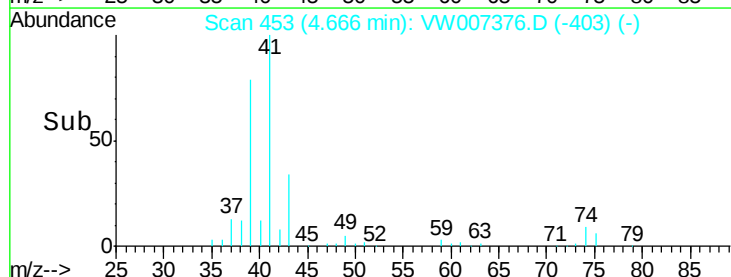
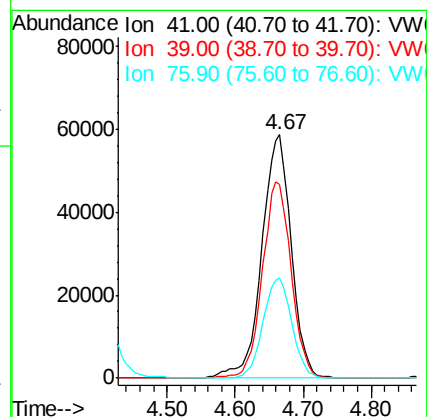
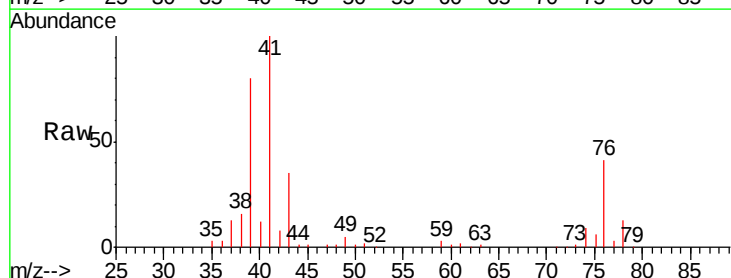
Tgt Ion: 41 Resp: 176770

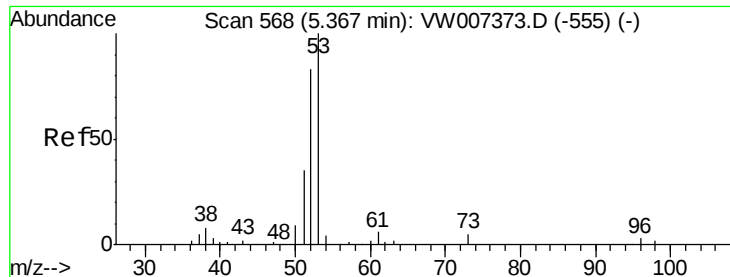
Ion Ratio Lower Upper

41 100

39 79.2 63.4 95.2

76 40.1 32.1 48.1





#15

Acrylonitrile

Concen: 748.847 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

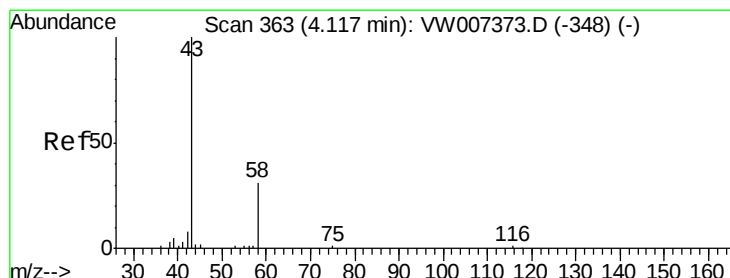
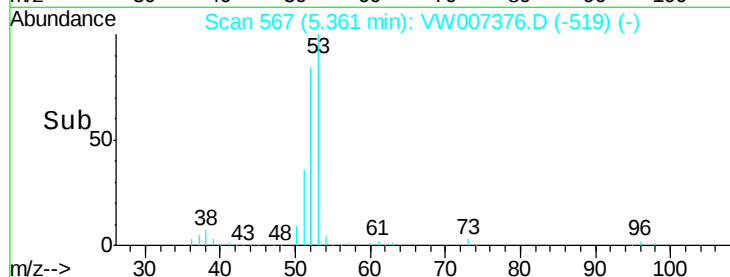
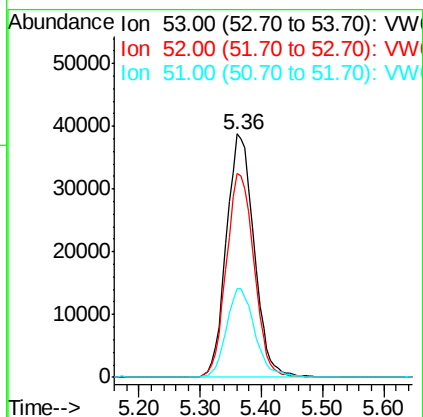
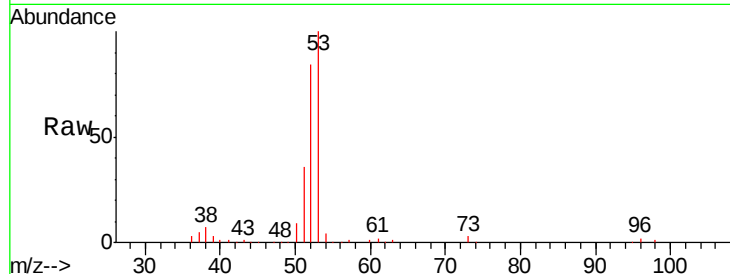
ClientSampleId :

VSTDIC150

Tgt Ion:	53	Resp:	121372
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.4	101.2
51	37.4	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 632.265 ug/l

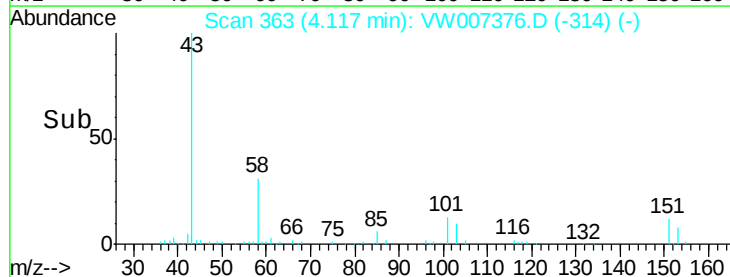
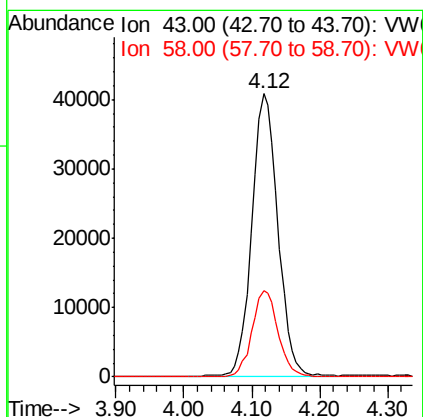
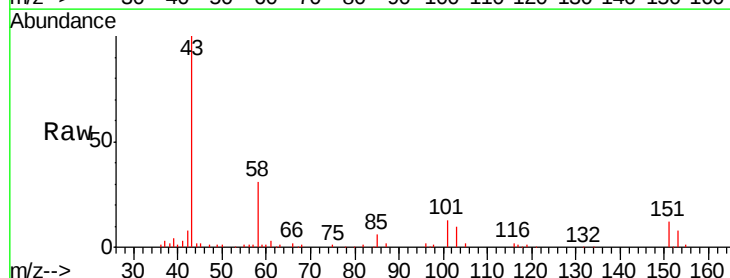
RT: 4.12 min Scan# 363

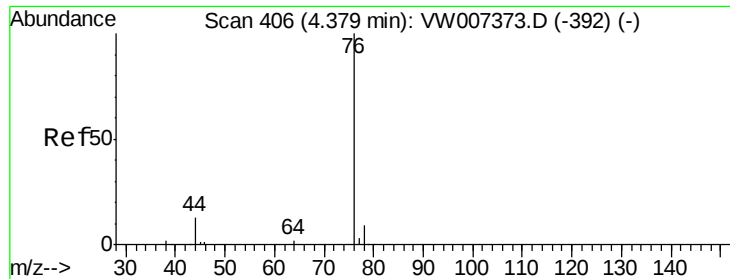
Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Tgt Ion:	43	Resp:	110115
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.9	37.3





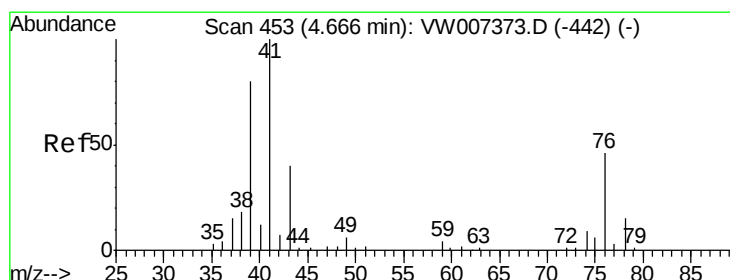
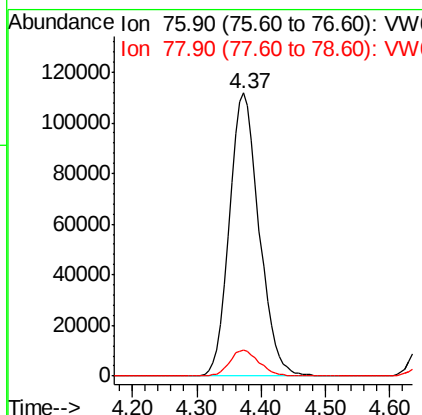
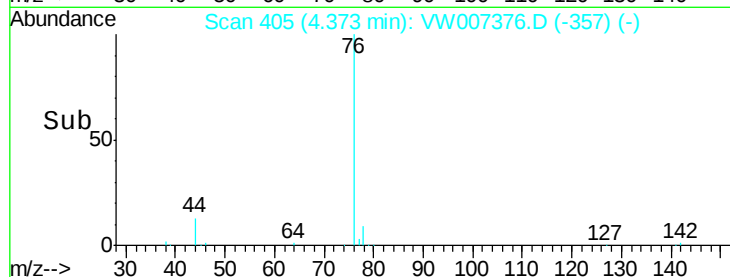
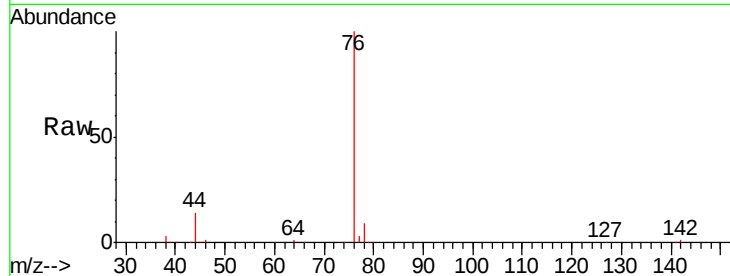
#17
Carbon Disulfide
Concen: 140.376 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 76 Resp: 360369
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

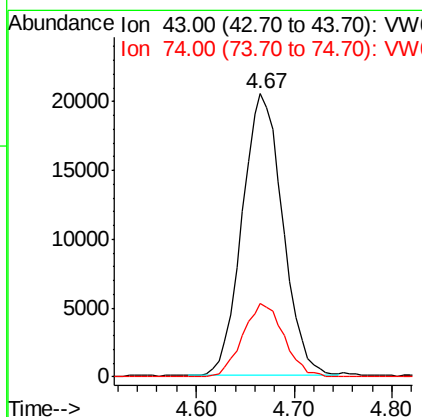
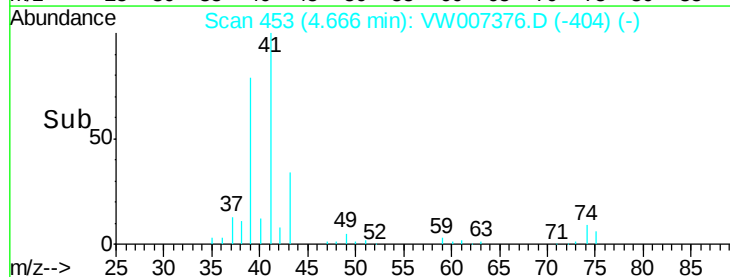
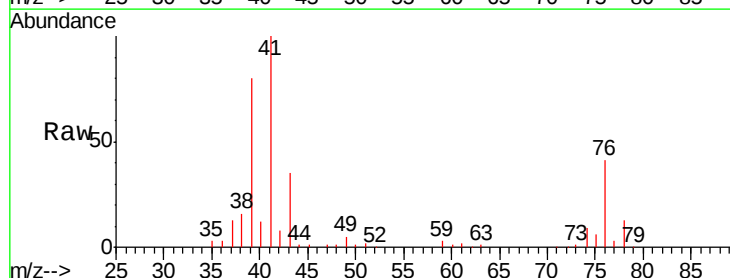
Manual Integrations
APPROVED

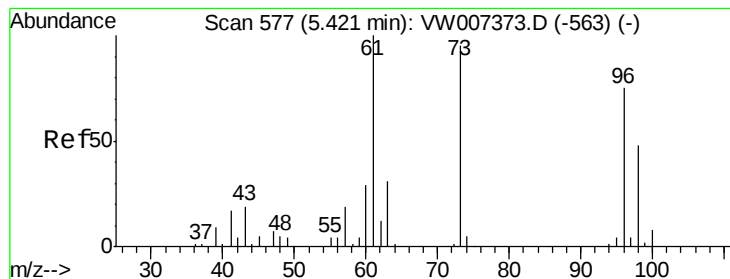
MMDadoda
12/11/2018 4:55:55 PM



#18
Methyl Acetate
Concen: 141.442 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion: 43 Resp: 59108
Ion Ratio Lower Upper
43 100
74 26.5 21.1 31.7





#19

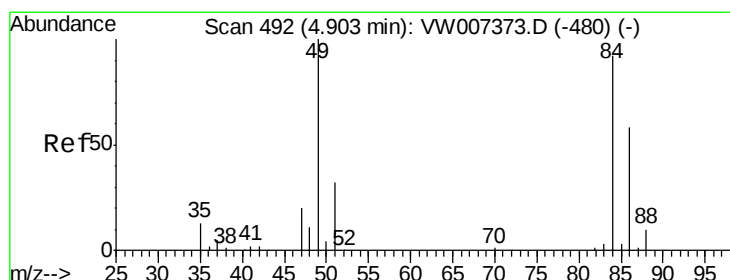
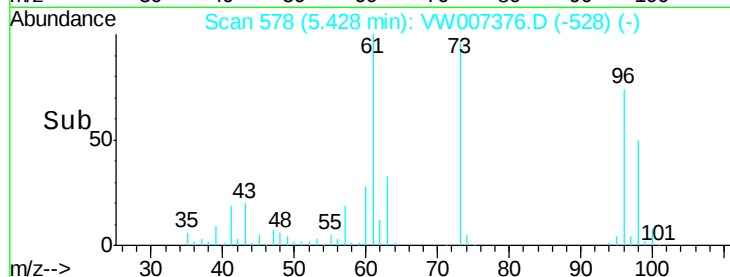
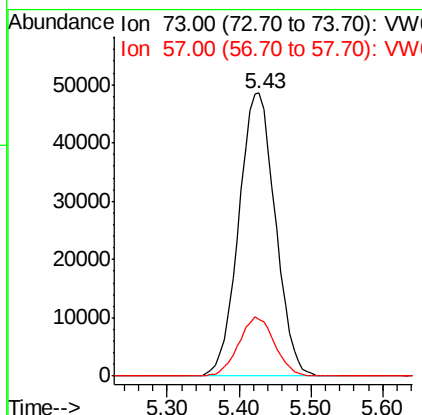
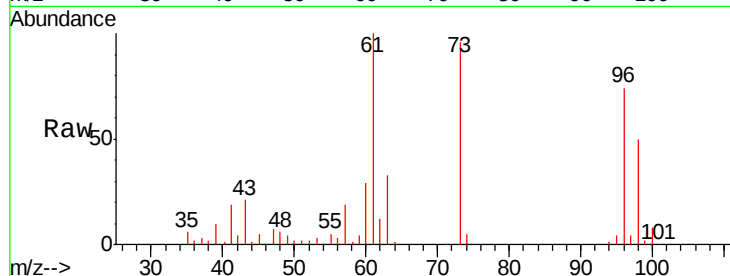
Methyl tert-butyl Ether
 Concen: 97.867 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion: 73 Resp: 171055
 Ion Ratio Lower Upper
 73 100
 57 19.9 16.4 24.6

Manual Integrations
 APPROVED

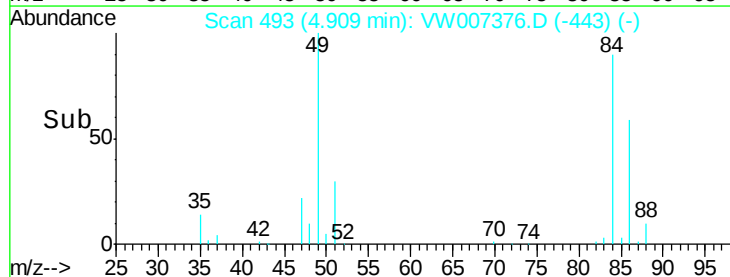
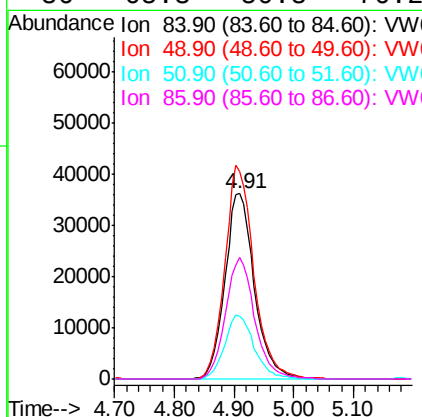
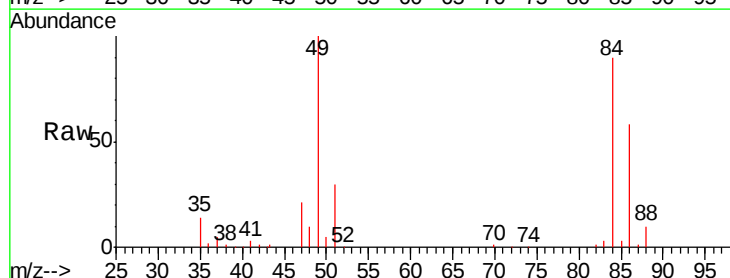
MMDadoda
 12/11/2018 4:55:55 PM

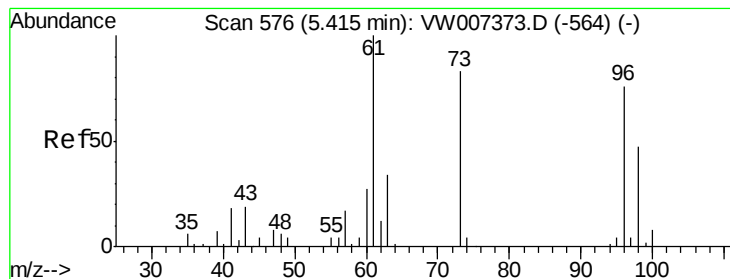


#20

Methylene Chloride
 Concen: 115.730 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Tgt Ion: 84 Resp: 124468
 Ion Ratio Lower Upper
 84 100
 49 111.6 87.1 130.7
 51 33.5 28.2 42.2
 86 65.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 147.766 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

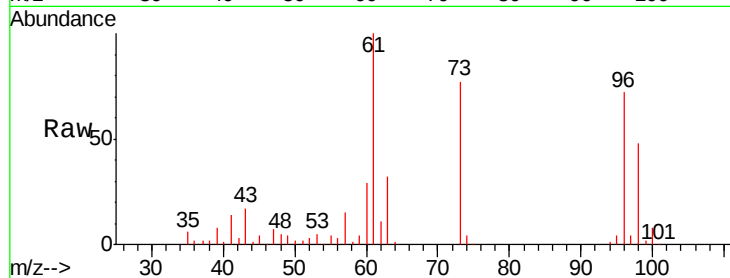
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	131209
Ion	Ratio	Lower	Upper
96	100		
61	138.0	105.0	157.6
98	66.4	49.7	74.5

Manual Integrations
APPROVED

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

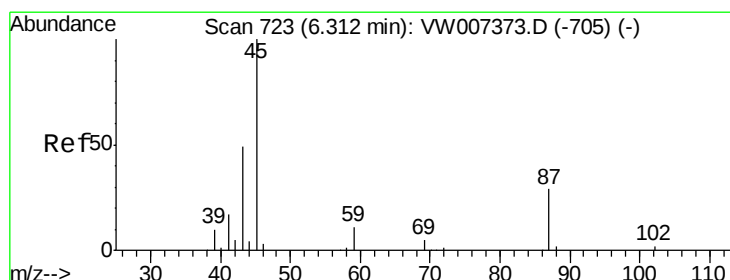
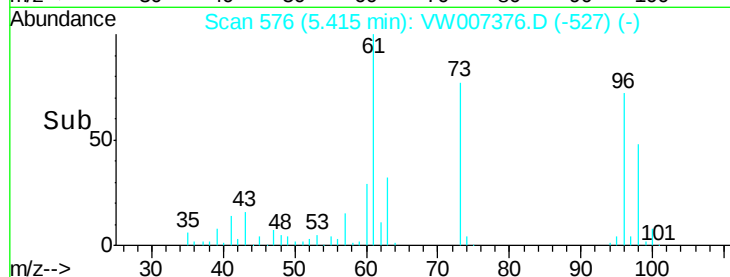
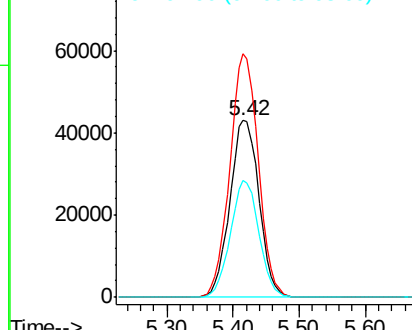


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 148.942 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Tgt Ion:	45	Resp:	337837
Ion	Ratio	Lower	Upper
45	100		
43	54.1	41.6	62.4
87	31.9	24.3	36.5
59	12.4	9.4	14.0

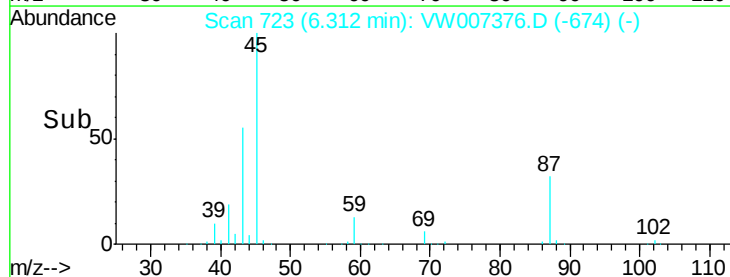
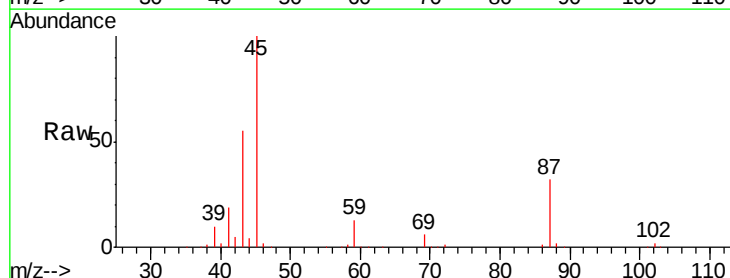
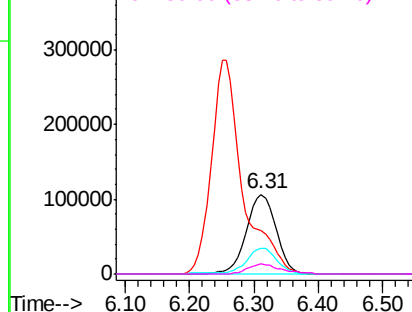
Abundance

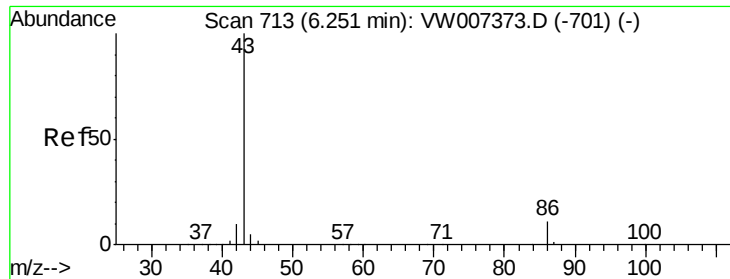
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 777.306 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 966388

Ion Ratio Lower Upper

43 100

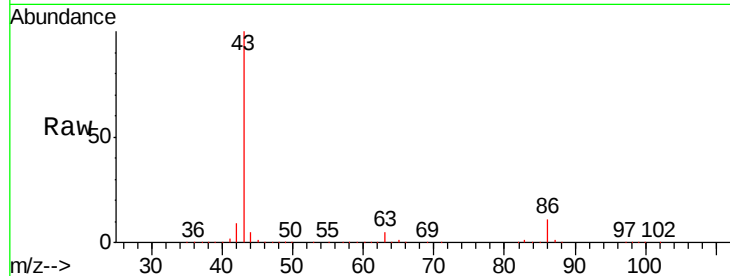
86 10.9 8.6 12.8

Manual Integrations

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12/11/2018 4:55:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

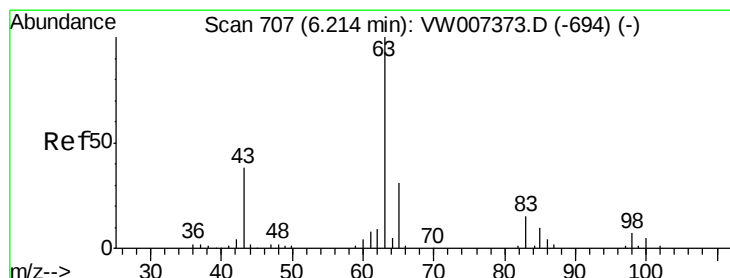
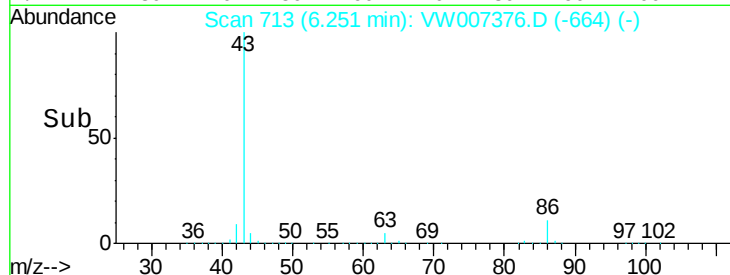
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 153.180 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

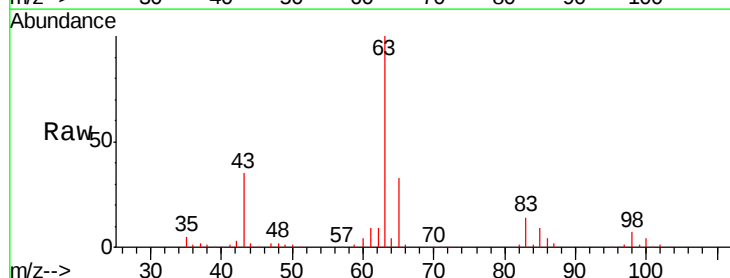
Tgt Ion: 63 Resp: 225843

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.1 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

100000

80000

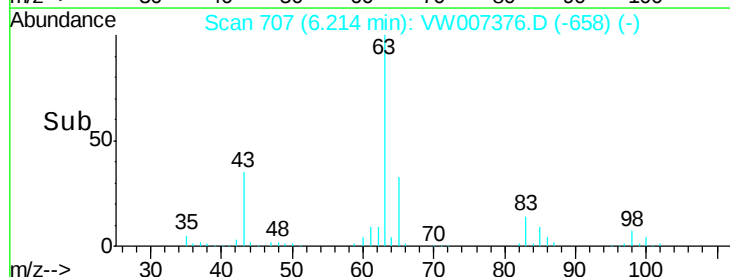
60000

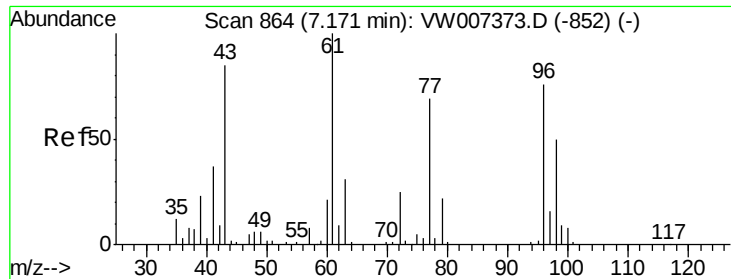
40000

20000

0

Time-->





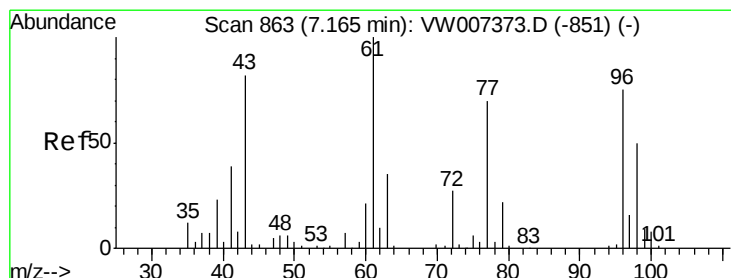
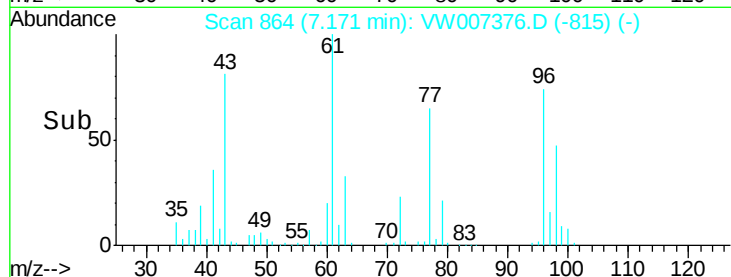
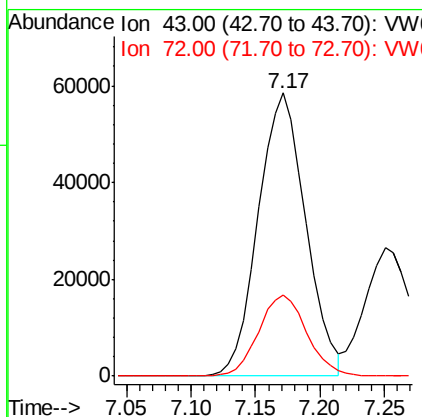
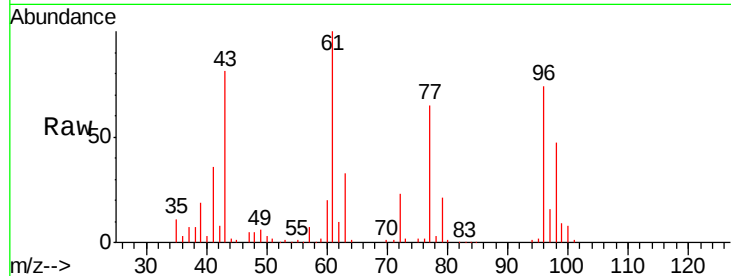
#25
2-Butanone
Concen: 715.820 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 149651
Ion Ratio Lower Upper
43 100
72 28.7 23.4 35.2

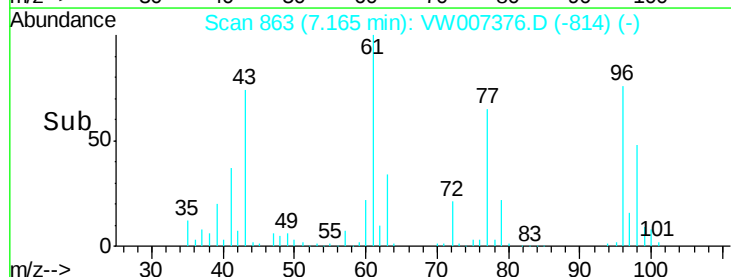
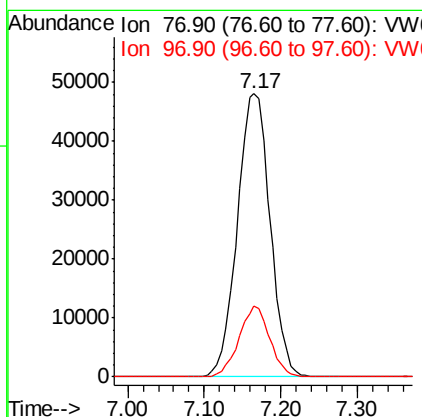
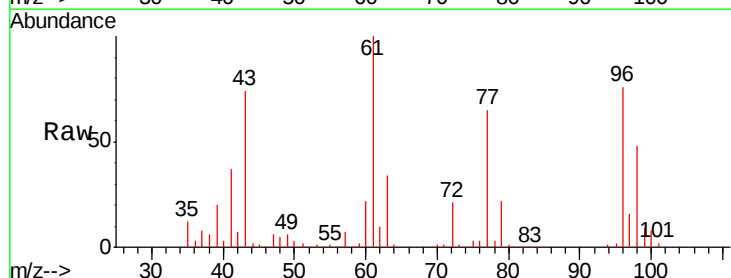
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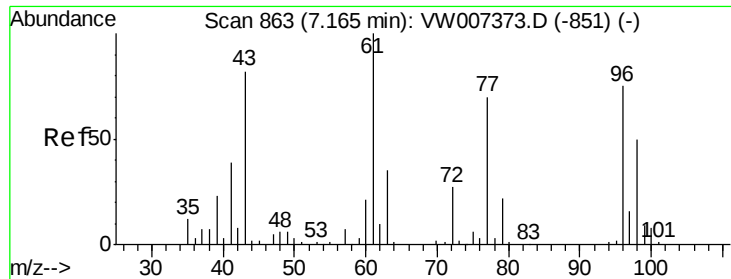
MMDadoda
12/11/2018 4:55:55 PM



#26
2,2-Dichloropropane
Concen: 106.592 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion: 77 Resp: 142691
Ion Ratio Lower Upper
77 100
97 23.4 11.6 34.8





#27

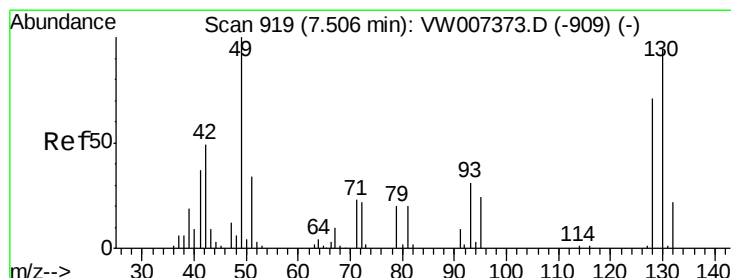
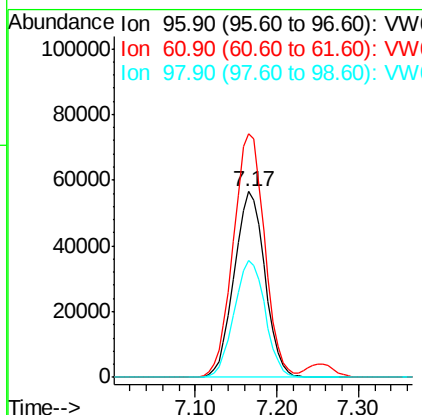
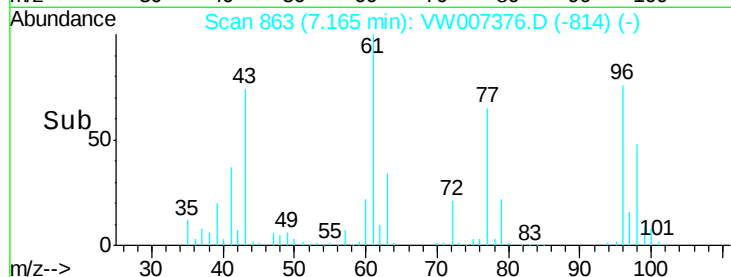
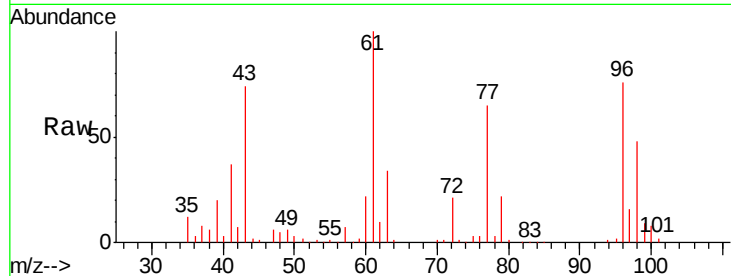
cis-1,2-Dichloroethene
Concen: 153.548 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	146978		
61	134.0	0.0	268.4	
98	63.6	0.0	127.8	

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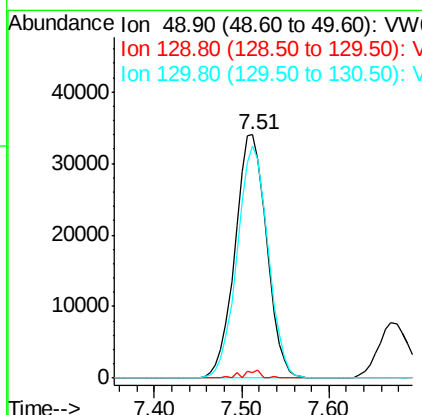
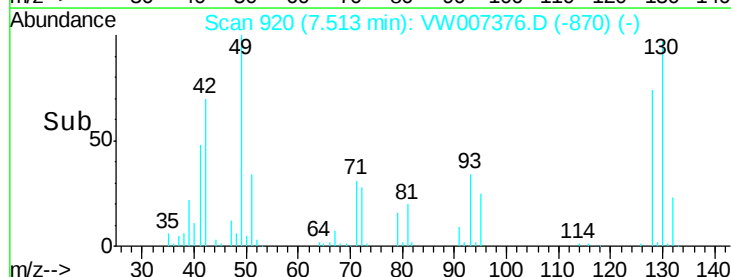
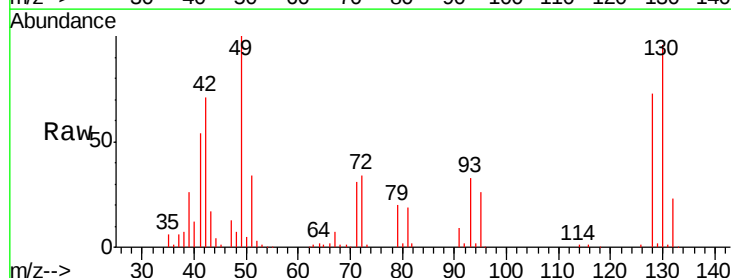
MMDadoda
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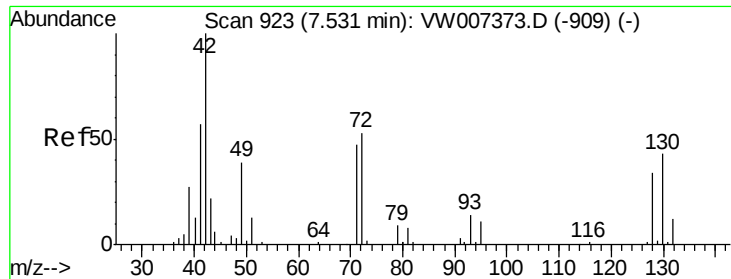


#28

Bromochloromethane
Concen: 158.868 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85725		
129	1.7	0.0	2.6	
130	93.0	75.9	113.9	





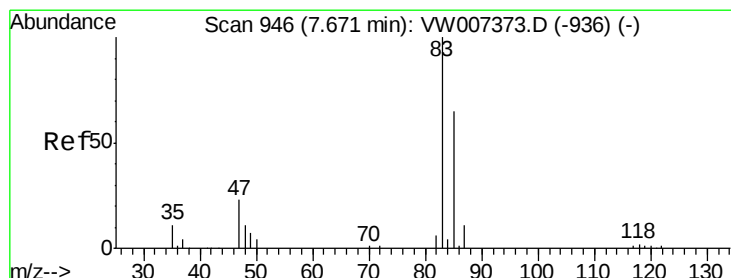
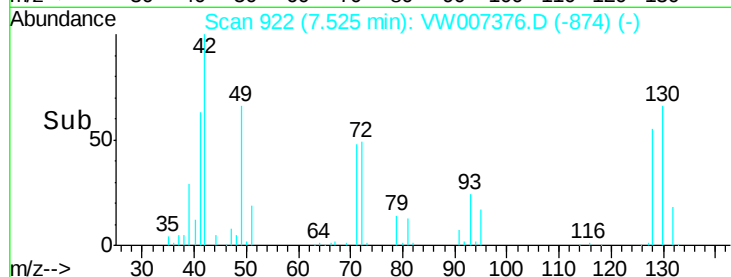
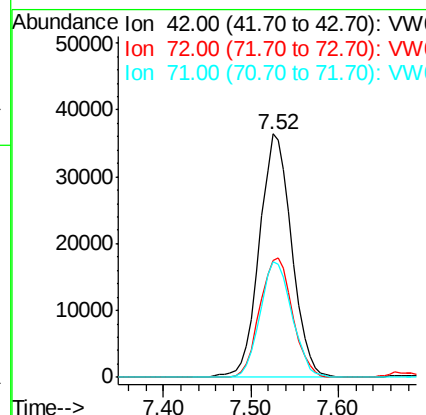
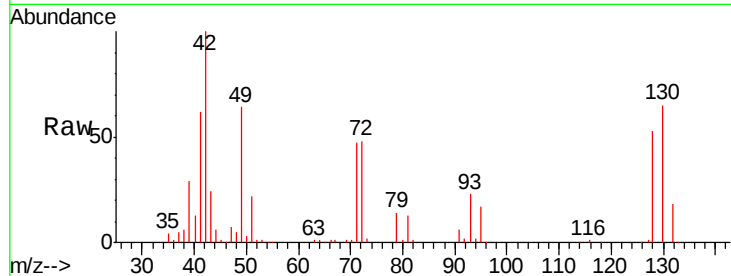
#29
Tetrahydrofuran
Concen: 718.781 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.7	38.2	57.4
71	47.1	35.5	53.3

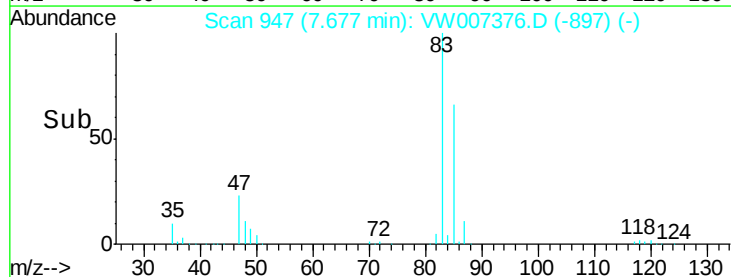
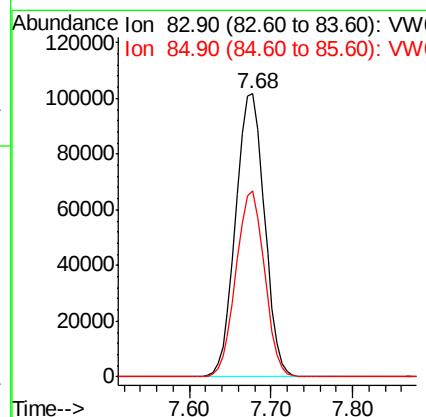
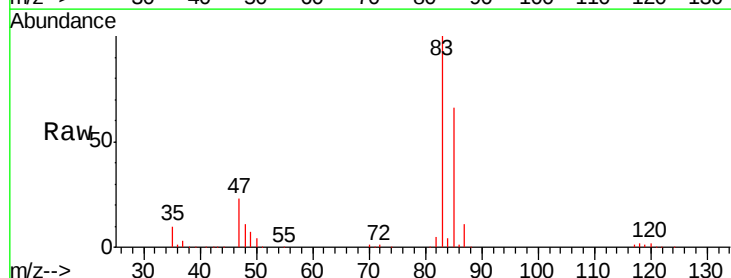
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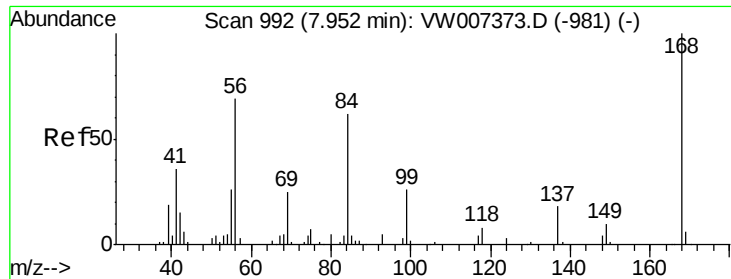
MMDadoda
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#30
Chloroform
Concen: 161.116 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8





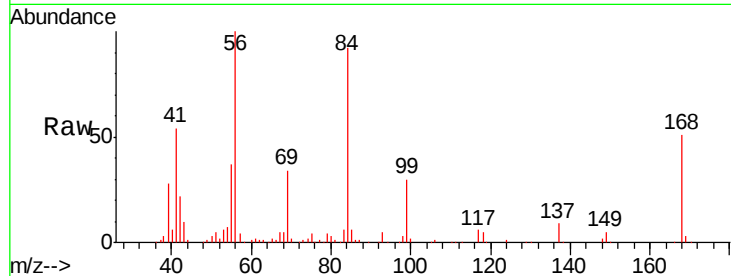
#31
Cyclohexane
Concen: 127.481 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

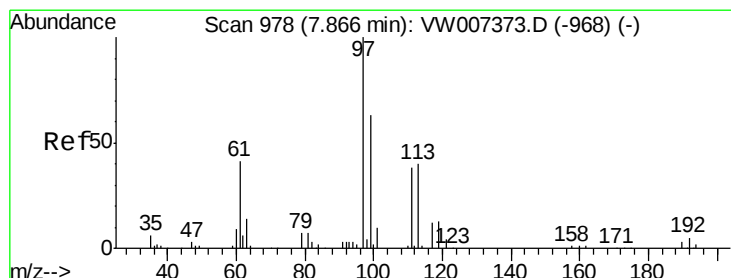
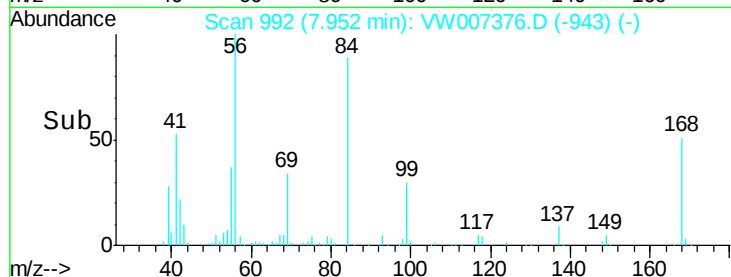
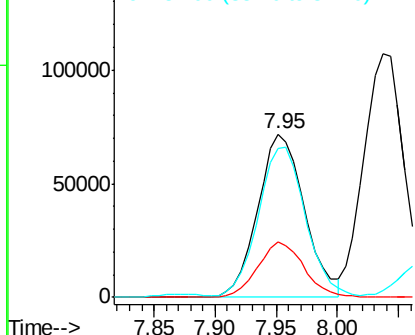
Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.0	28.9	43.3
84	89.6	71.8	107.6

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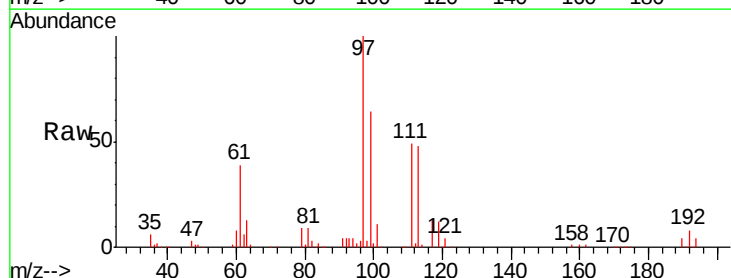


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

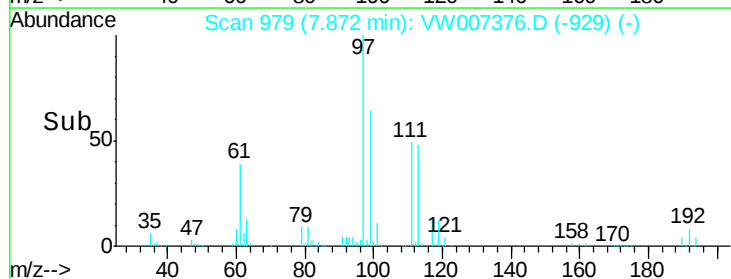
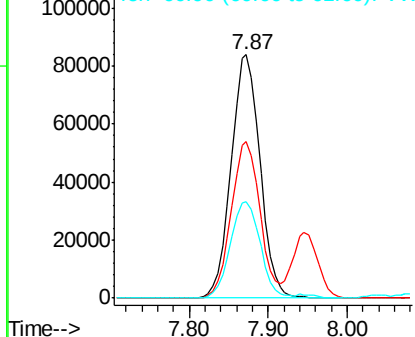


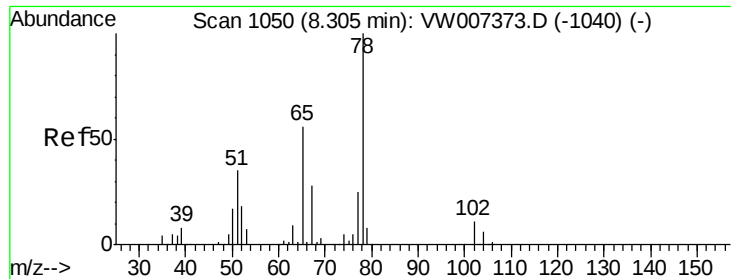
#32
1,1,1-Trichloroethane
Concen: 149.700 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.1	76.7
61	40.9	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





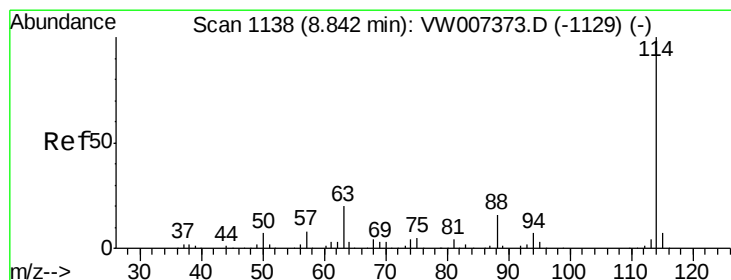
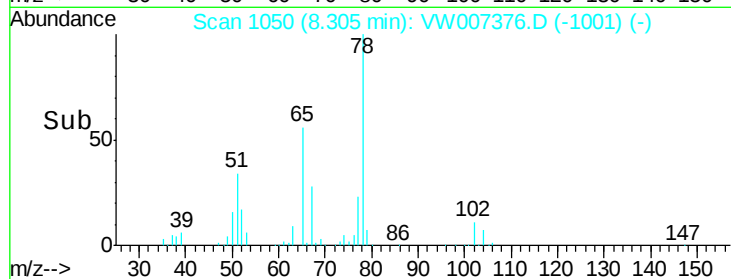
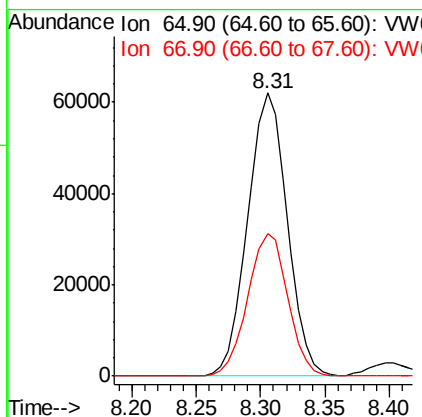
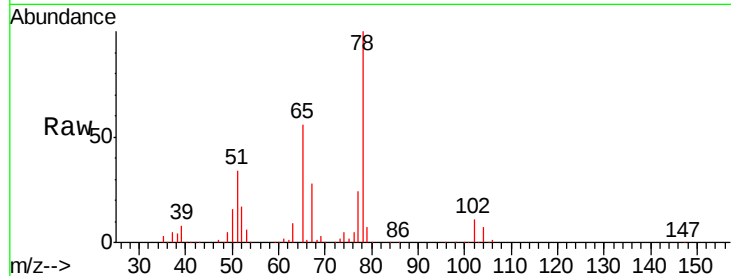
#33
 1,2-Dichloroethane-d4
 Concen: 165.112 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	131935		
67	50.9	0.0	101.6	

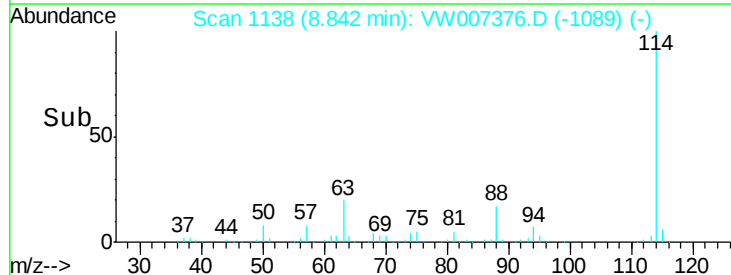
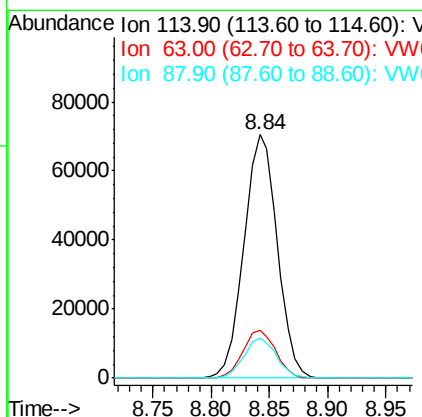
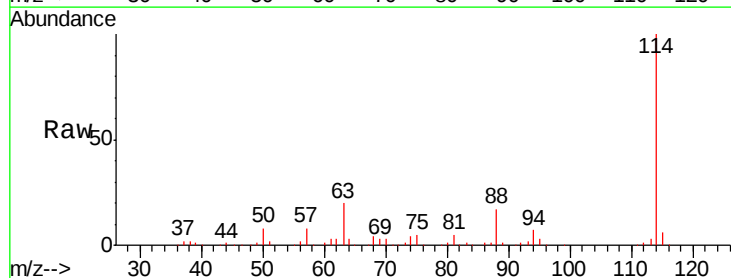
Manual Integrations
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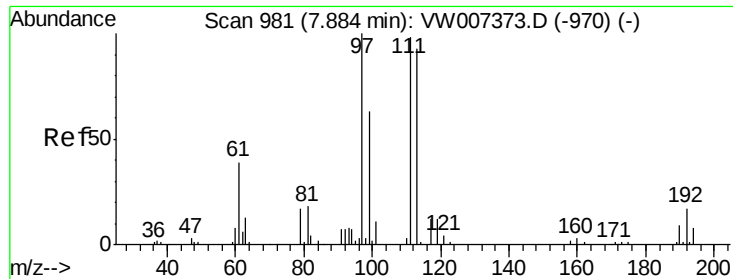
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	140531		
63	19.8	0.0	39.6	
88	16.7	0.0	31.4	





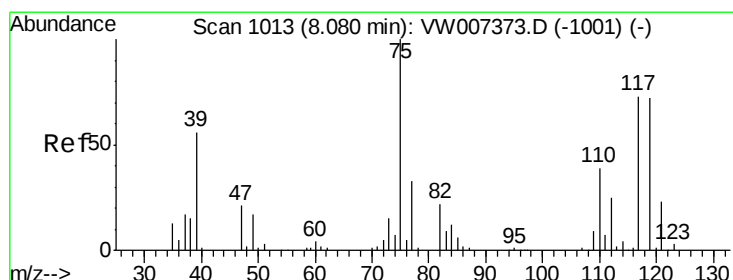
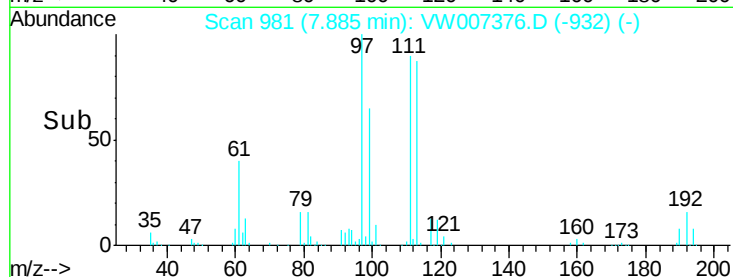
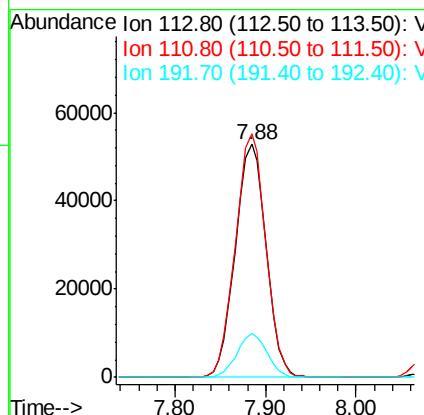
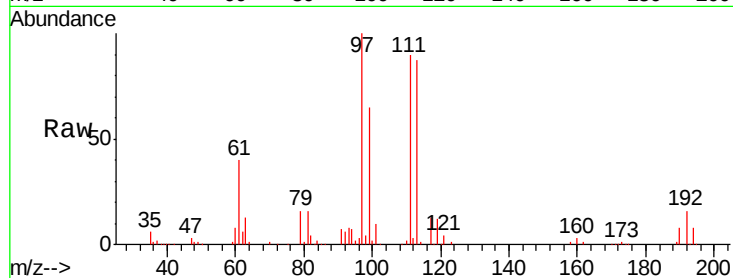
#35
 Dibromofluoromethane
 Concen: 152.568 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	124776		
111	102.8	81.1	121.7	
192	18.3	14.6	21.8	

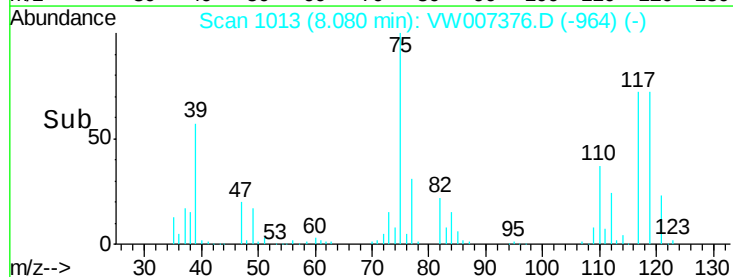
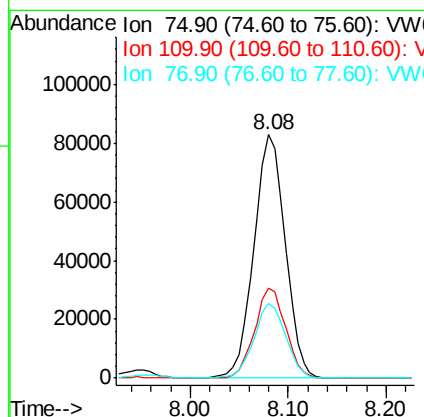
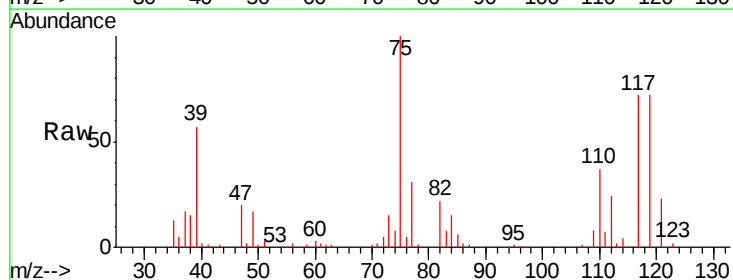
Manual Integrations
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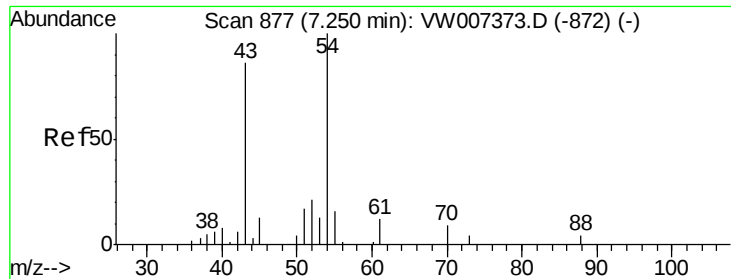
MMDadoda
 12/11/2018 4:55:55 PM



#36
 1,1-Dichloropropene
 Concen: 137.240 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	184696		
110	36.7	18.5	55.5	
77	31.2	25.6	38.4	





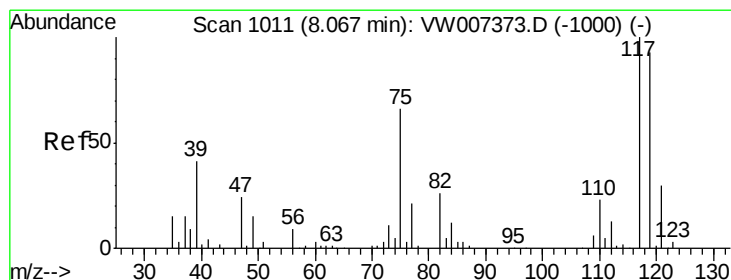
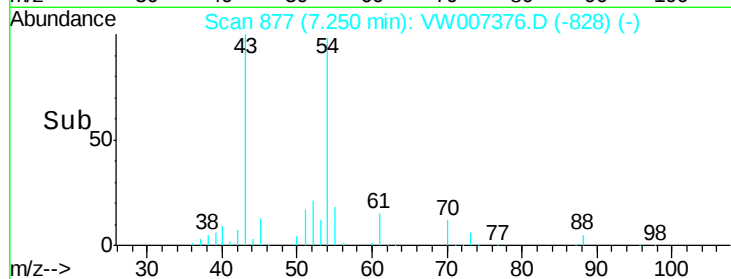
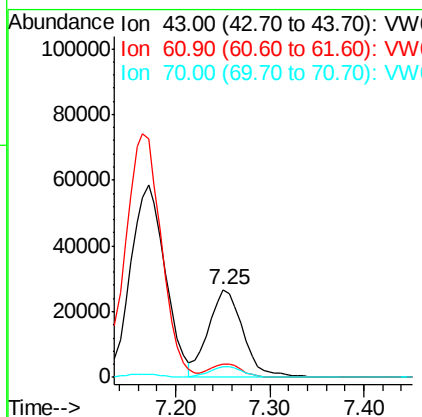
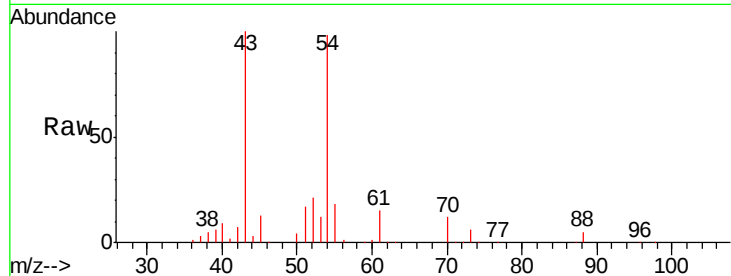
#37
Ethyl Acetate
Concen: 139.557 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 67975
Ion Ratio Lower Upper
43 100
61 14.0 12.1 18.1
70 12.1 10.0 15.0

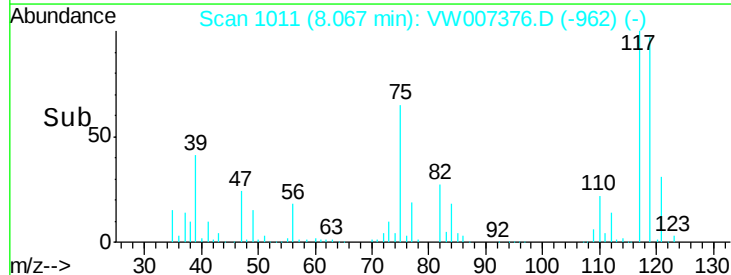
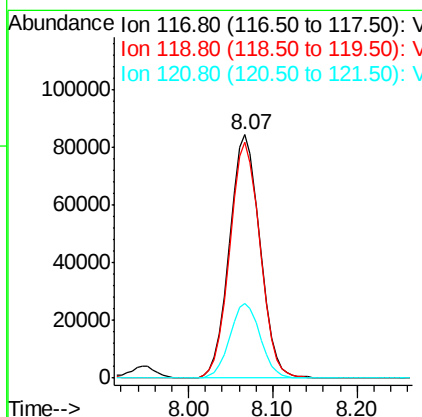
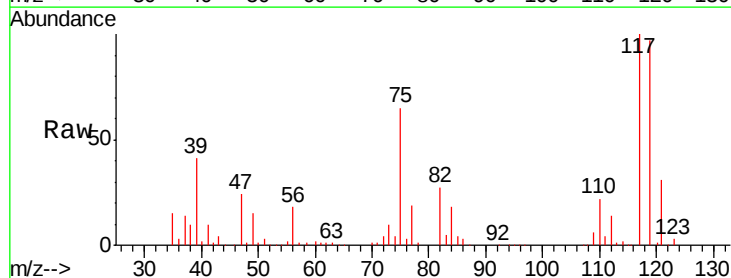
Manual Integrations
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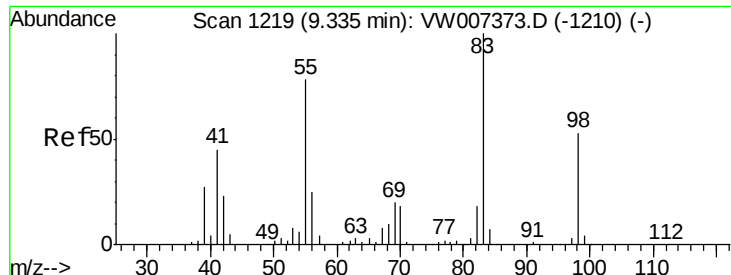
MMDadoda
12/11/2018 4:55:55 PM



#38
Carbon Tetrachloride
Concen: 147.831 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion: 117 Resp: 206351
Ion Ratio Lower Upper
117 100
119 96.9 74.3 111.5
121 30.8 24.3 36.5





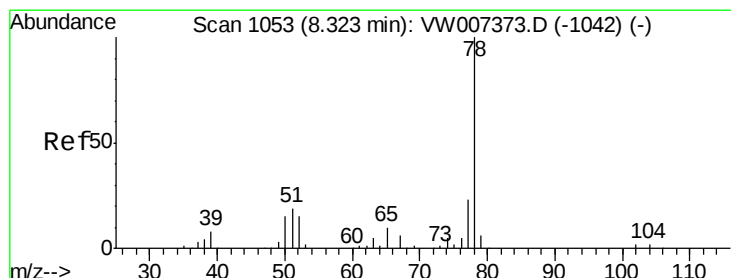
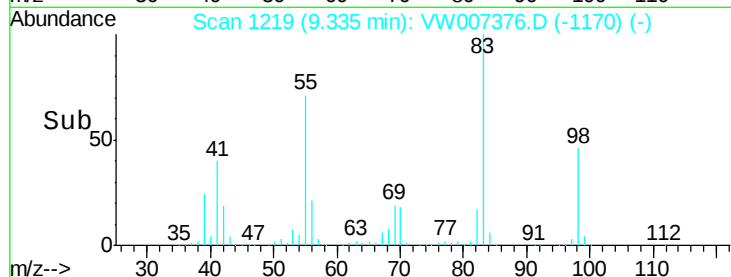
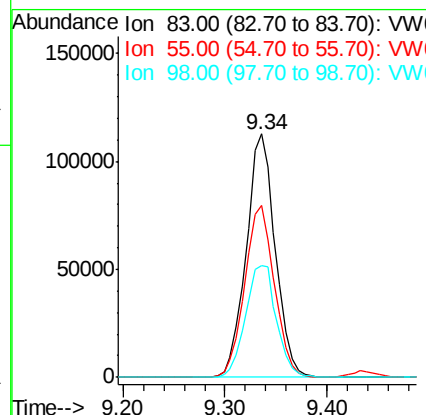
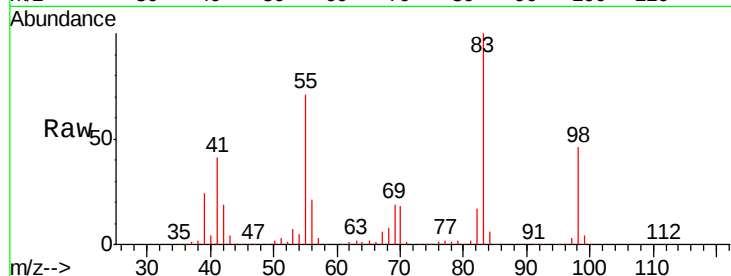
#39
Methylcyclohexane
Concen: 125.046 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.7	62.8	94.2
98	46.1	42.2	63.2

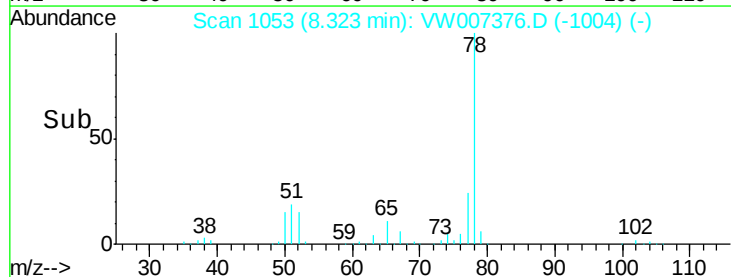
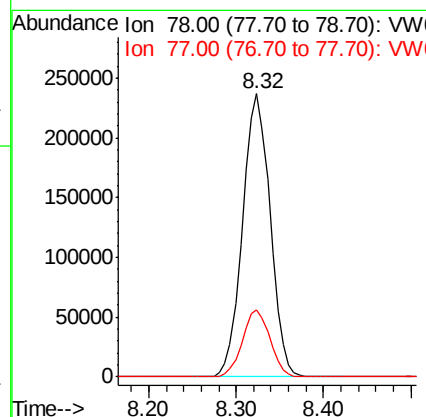
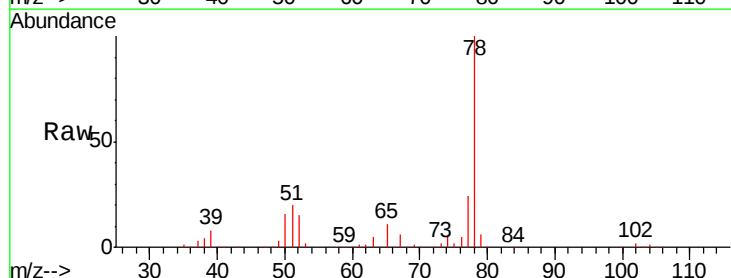
Manual Integrations
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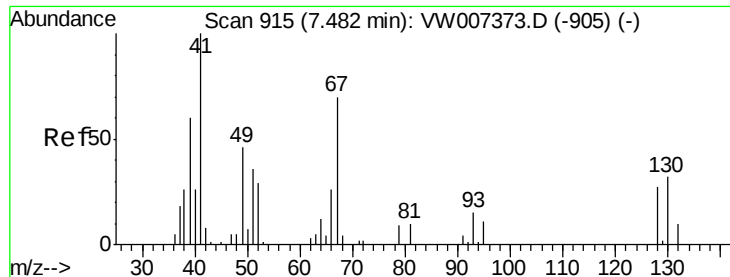
MMDadoda
12/11/2018 4:55:55 PM



#40
Benzene
Concen: 139.495 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





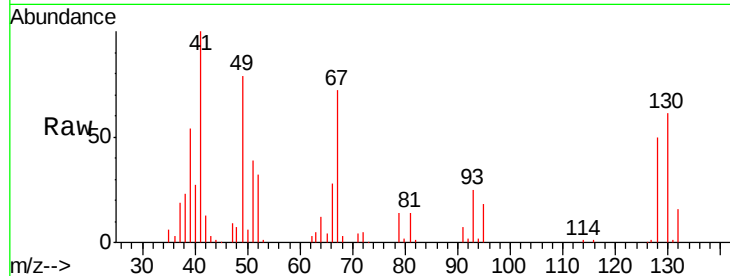
#41
Methacrylonitrile
Concen: 139.468 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

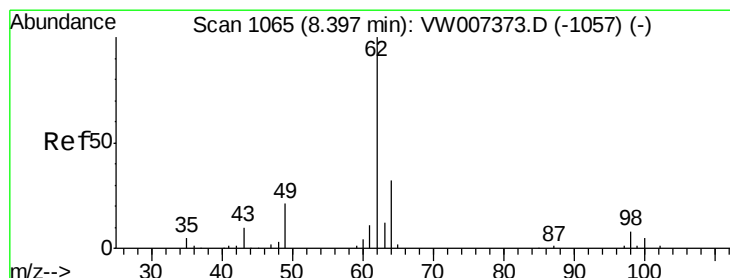
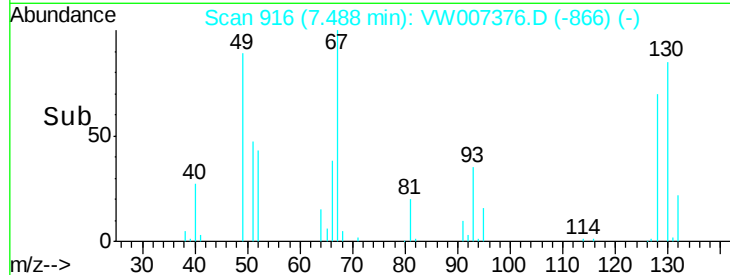
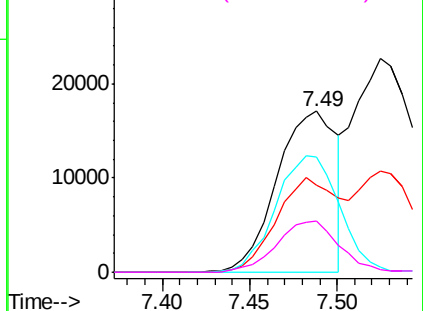
Tgt Ion:	41	Resp:	40531
Ion	Ratio	Lower	Upper
41	100		
39	63.9	52.2	78.2
67	77.7	60.5	90.7
52	33.7	25.3	37.9

Manual Integrations
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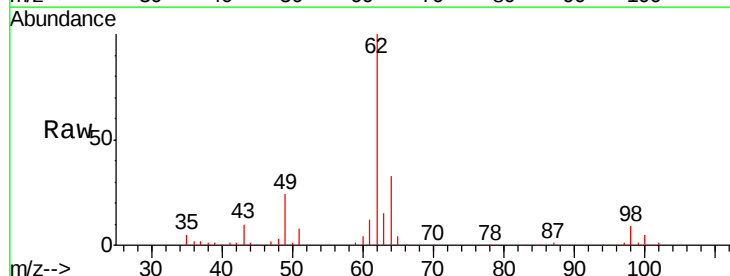


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

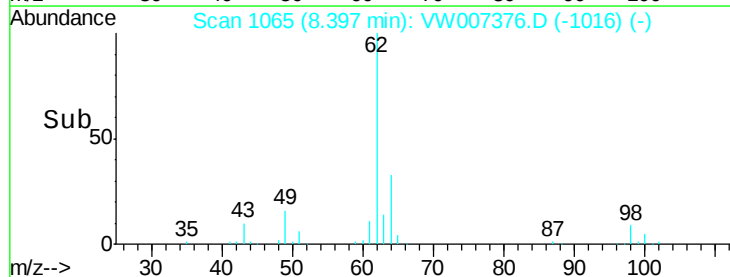
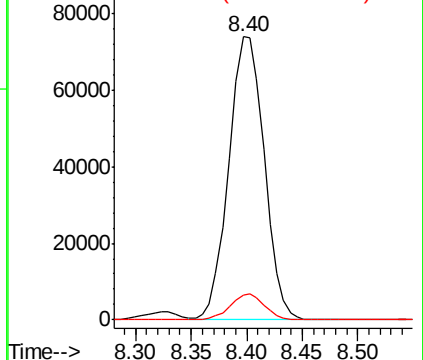


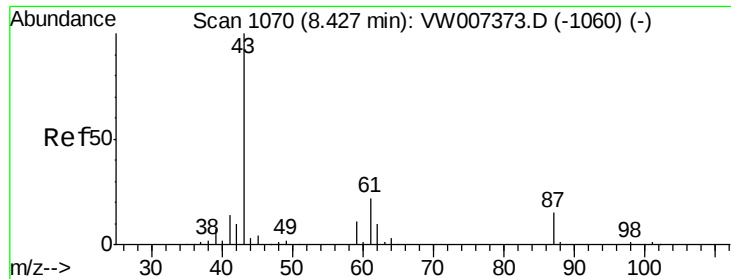
#42
1,2-Dichloroethane
Concen: 153.816 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion:	62	Resp:	163634
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 145.873 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

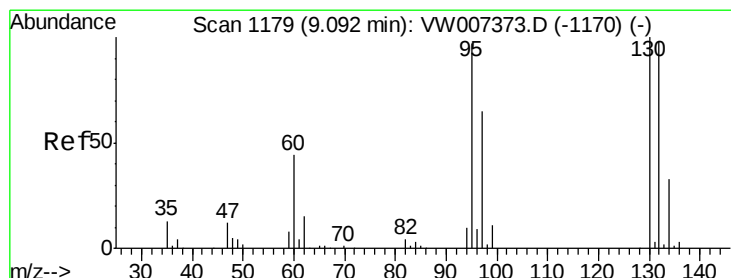
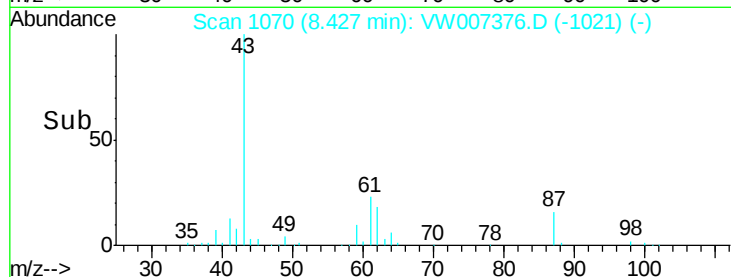
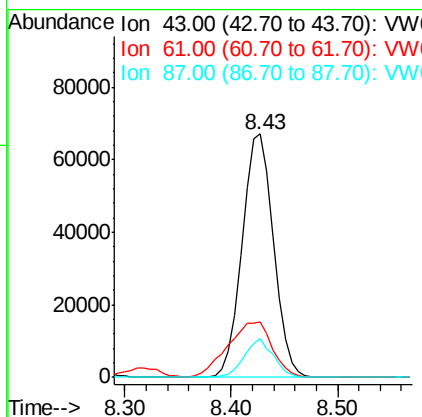
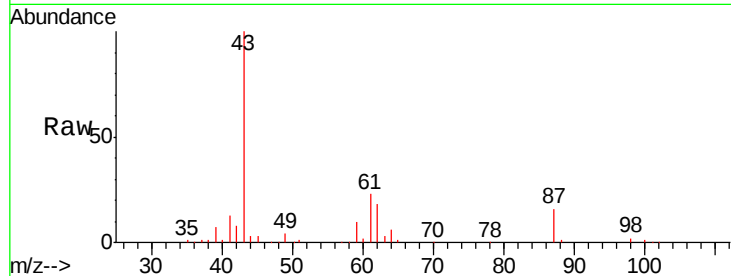
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	139178
Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.3	37.9
87	14.7	11.8	17.8

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#44

Trichloroethene

Concen: 143.854 ug/l

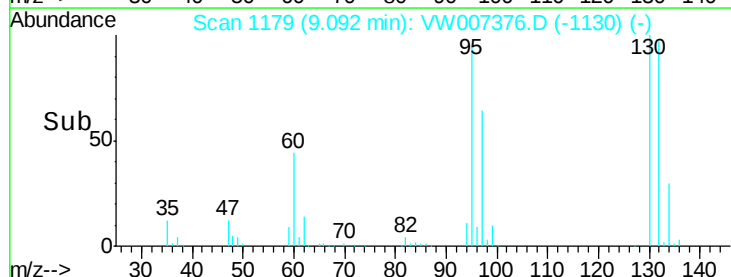
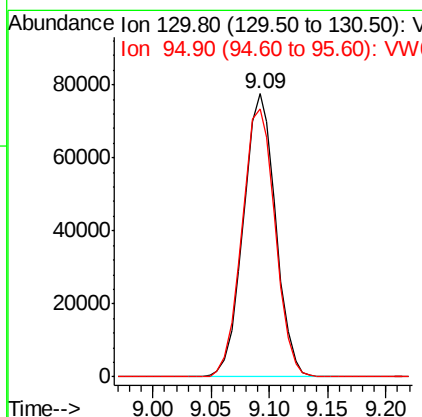
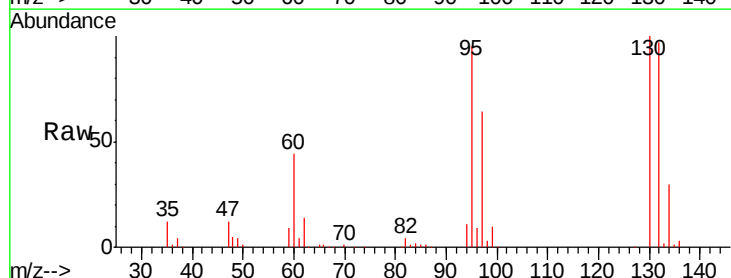
RT: 9.09 min Scan# 1179

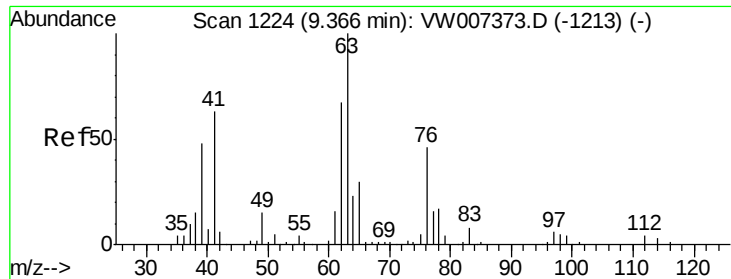
Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Tgt Ion:	130	Resp:	149742
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	193.2





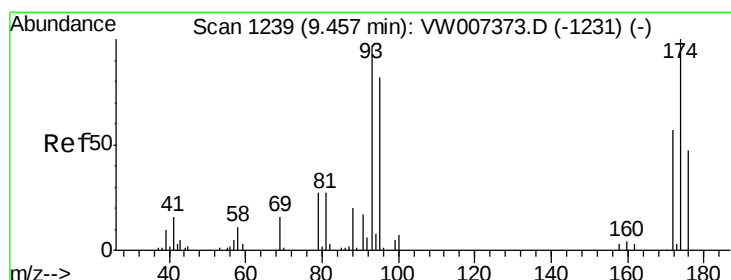
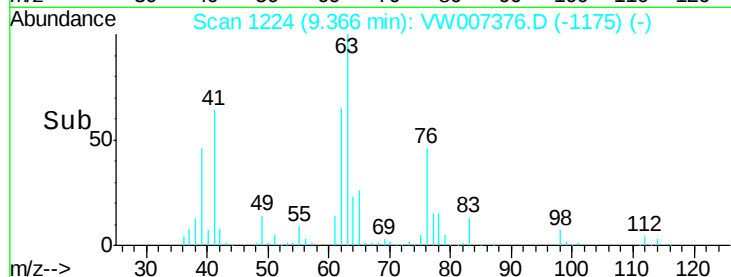
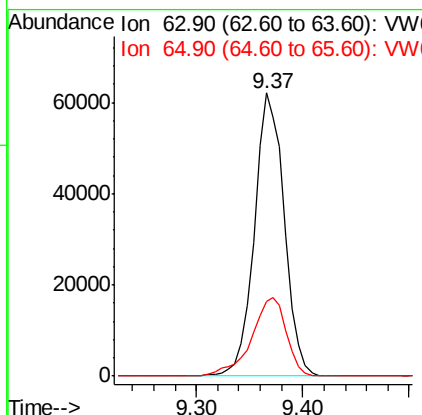
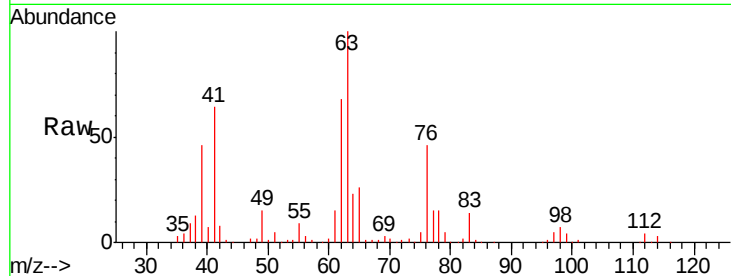
#45
 1,2-Dichloropropane
 Concen: 140.817 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 121936
 Ion Ratio Lower Upper
 63 100
 65 26.3 24.4 36.6

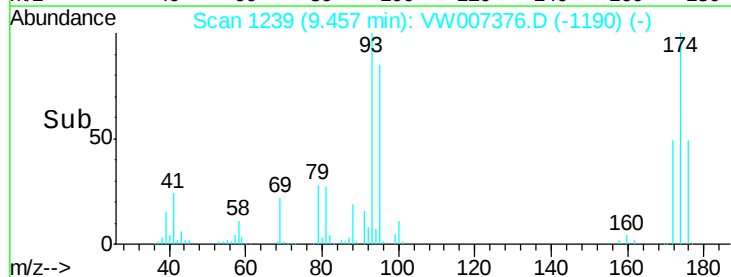
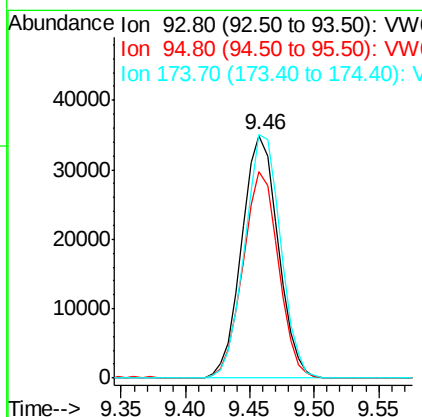
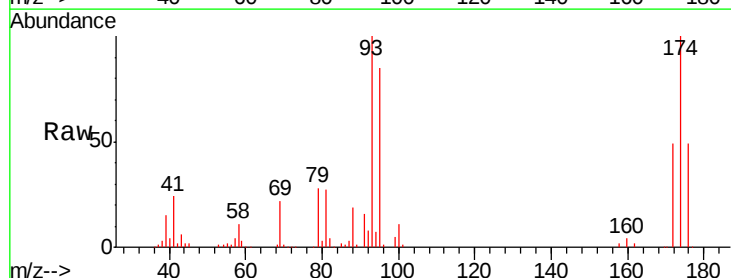
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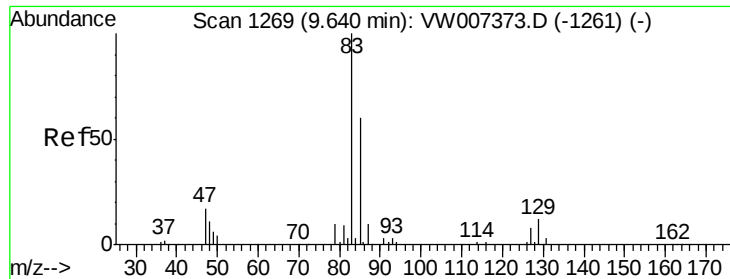
MMDadoda
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#46
 Dibromomethane
 Concen: 149.228 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Tgt Ion: 93 Resp: 68125
 Ion Ratio Lower Upper
 93 100
 95 83.0 68.0 102.0
 174 99.2 83.2 124.8





#47

Bromodichloromethane

Concen: 152.581 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

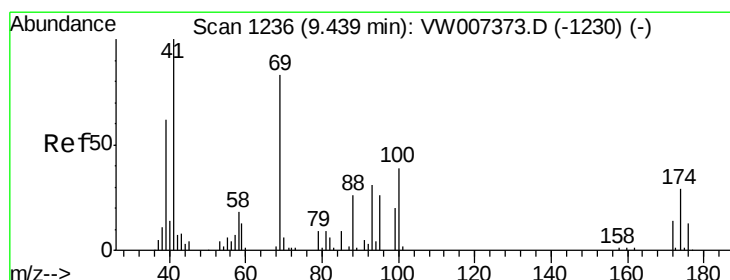
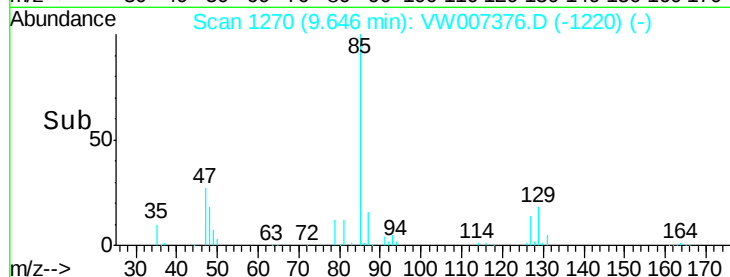
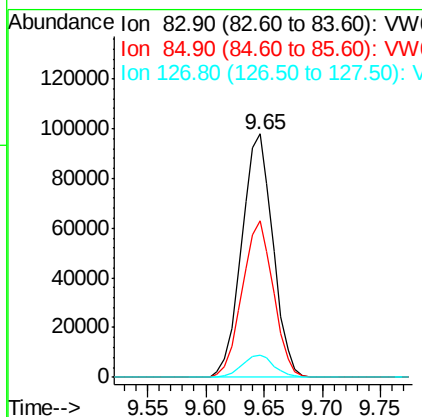
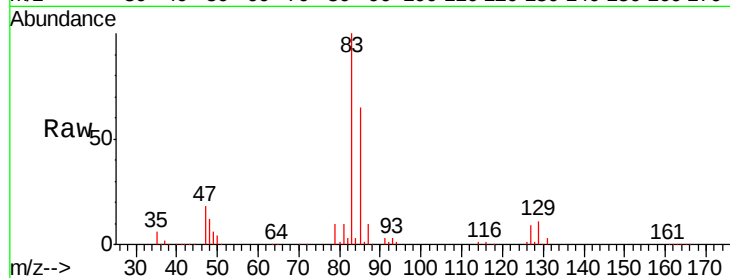
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	183398
Ion Ratio	Lower	Upper	
83	100		
85	64.6	47.6	71.4
127	8.9	6.7	10.1

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#48

Methyl methacrylate

Concen: 140.470 ug/l

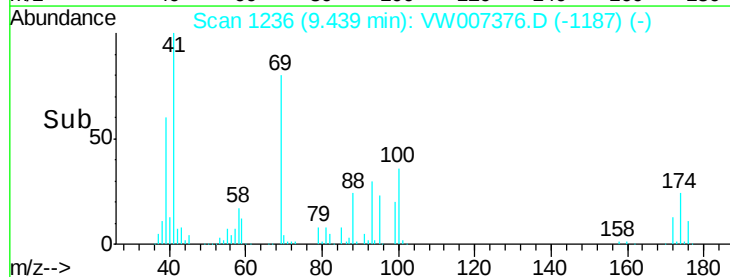
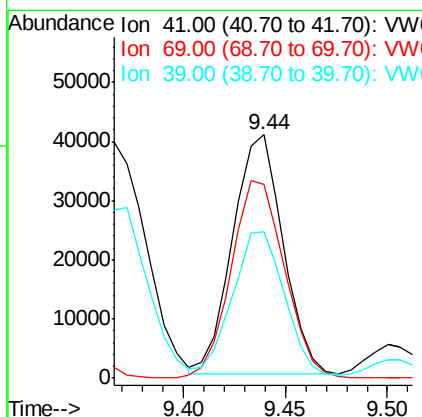
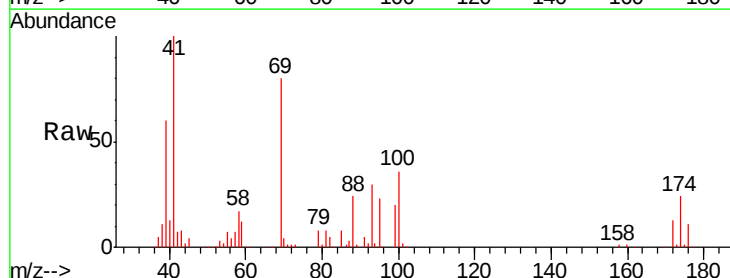
RT: 9.44 min Scan# 1236

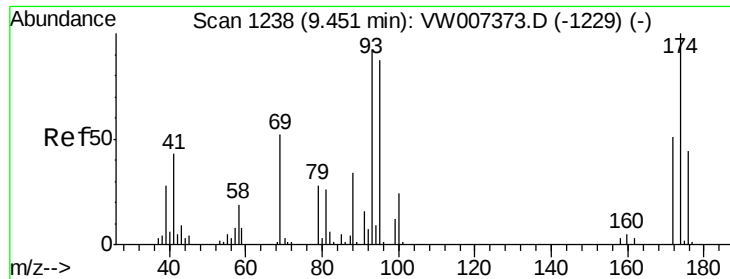
Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Tgt Ion:	41	Resp:	68901
Ion Ratio	Lower	Upper	
41	100		
69	88.6	69.8	104.8
39	62.8	50.9	76.3





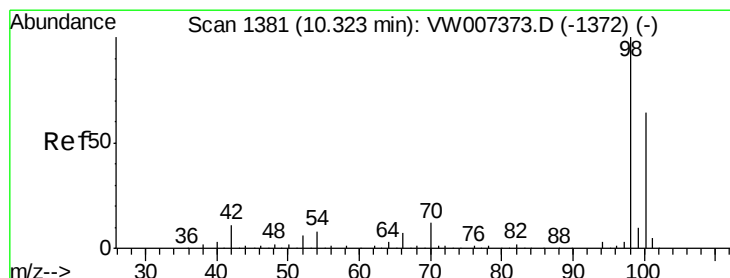
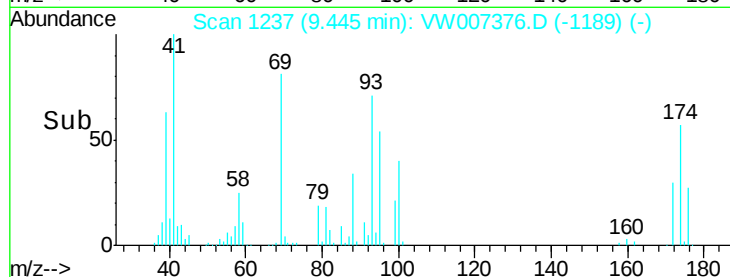
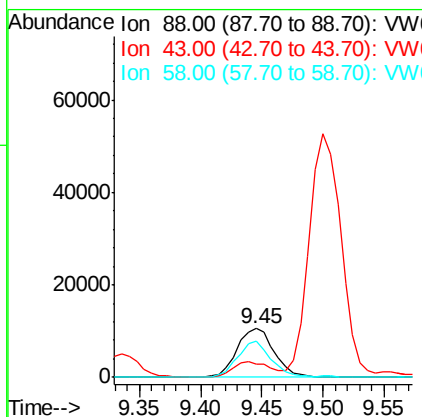
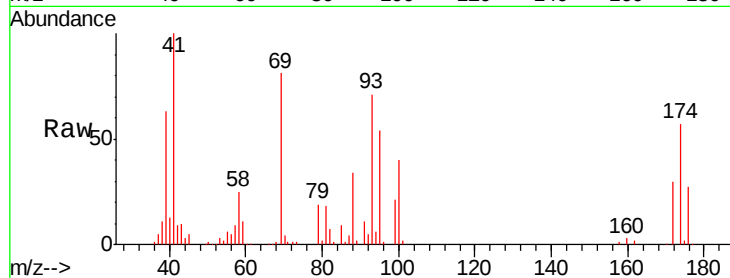
#49
1,4-Dioxane
Concen: 2829.572 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.0	37.4
58	67.0	51.4	77.2

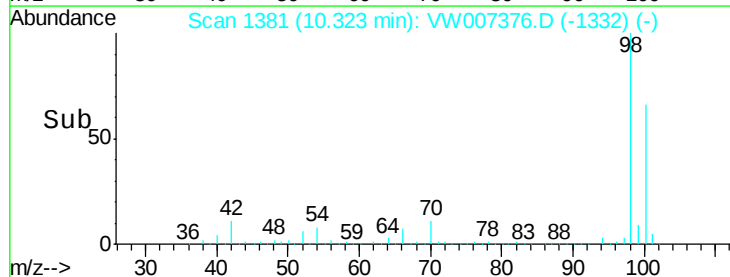
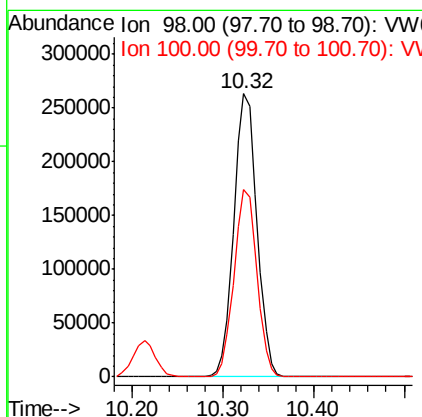
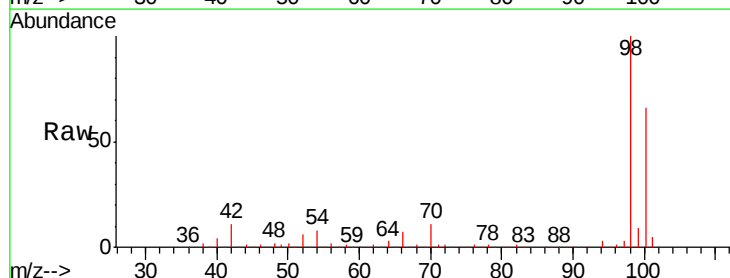
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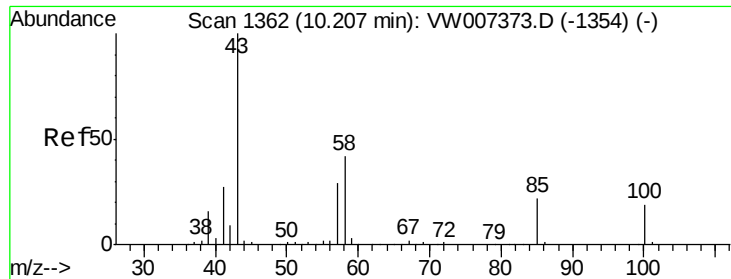
MMDadoda
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#50
Toluene-d8
Concen: 132.608 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 687.896 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 319355

Ion Ratio Lower Upper

43 100

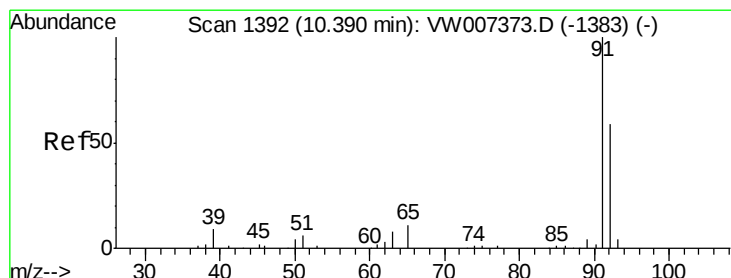
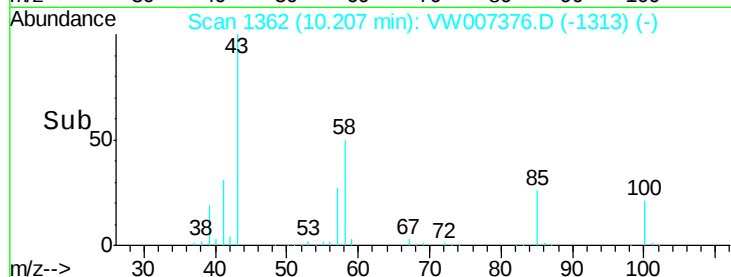
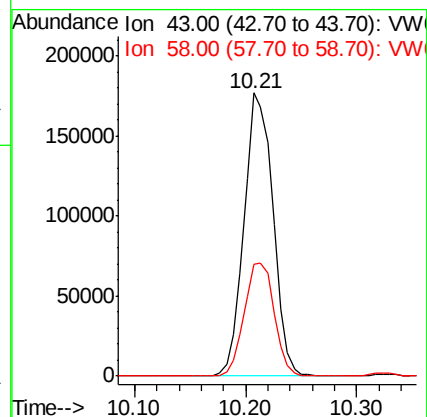
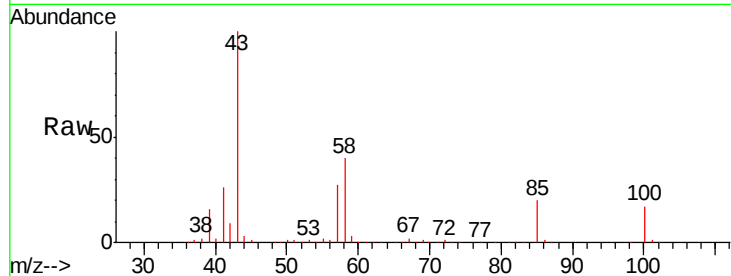
58 41.4 33.1 49.7

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#52

Toluene

Concen: 132.655 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007376.D

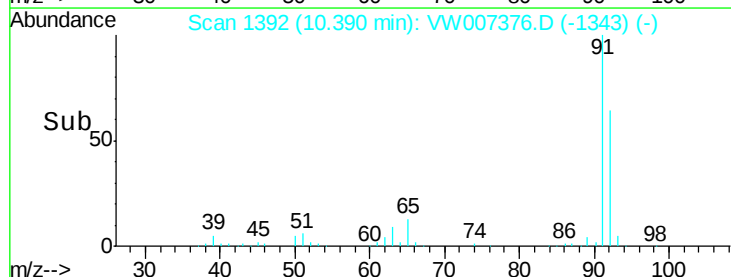
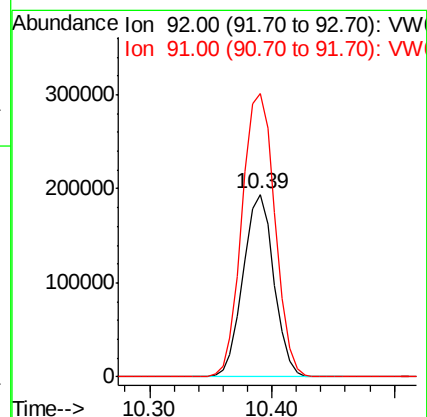
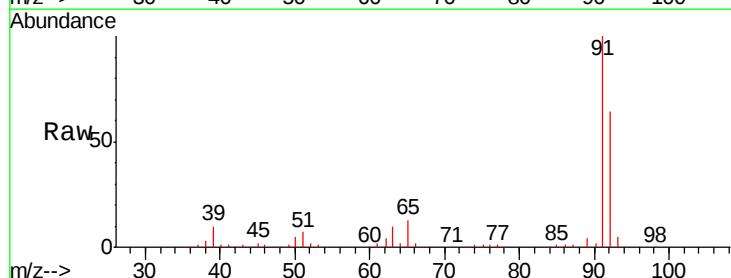
Acq: 11 Dec 2018 01:23

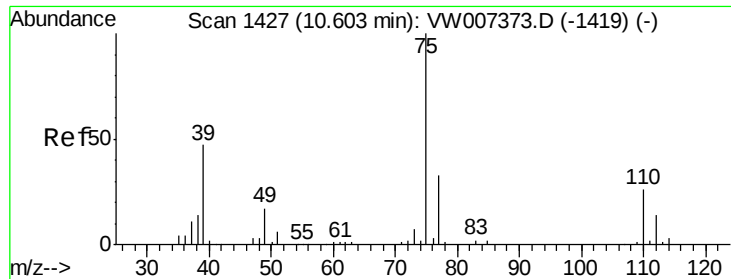
Tgt Ion: 92 Resp: 339789

Ion Ratio Lower Upper

92 100

91 165.4 136.2 204.2





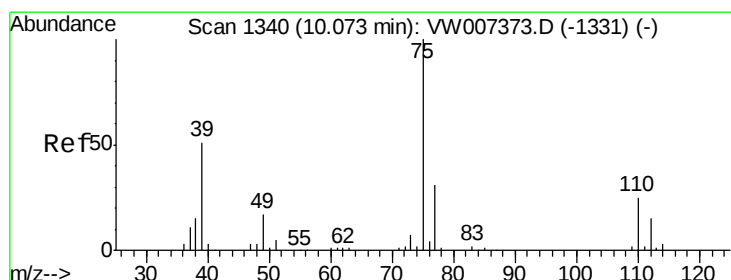
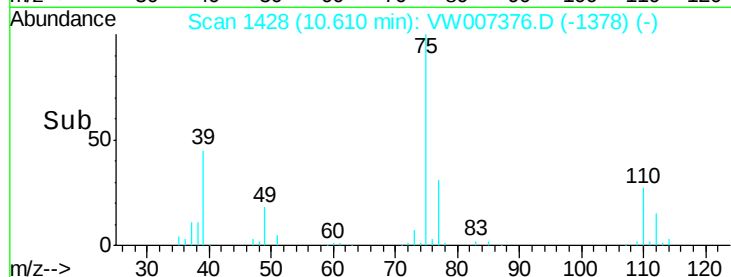
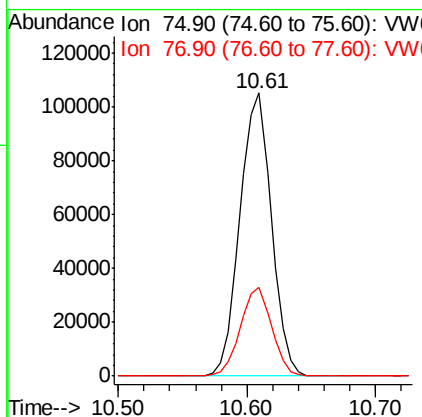
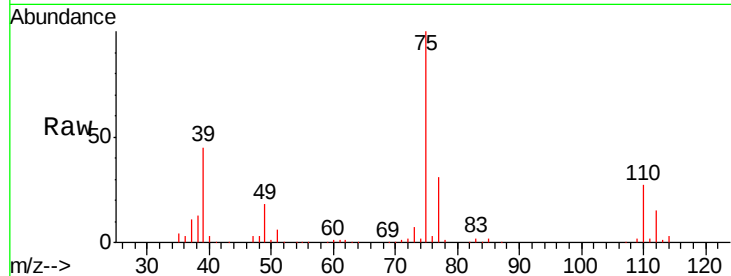
#53
t-1,3-Dichloropropene
Concen: 148.929 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 177530
Ion Ratio Lower Upper
75 100
77 31.4 26.2 39.4

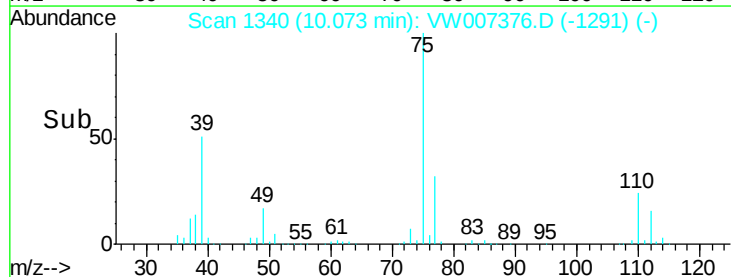
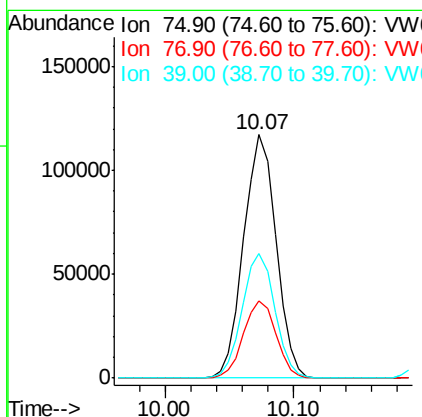
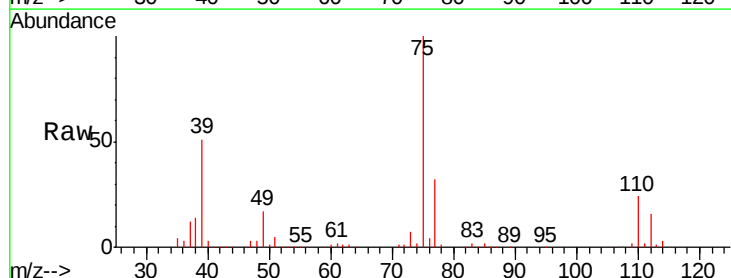
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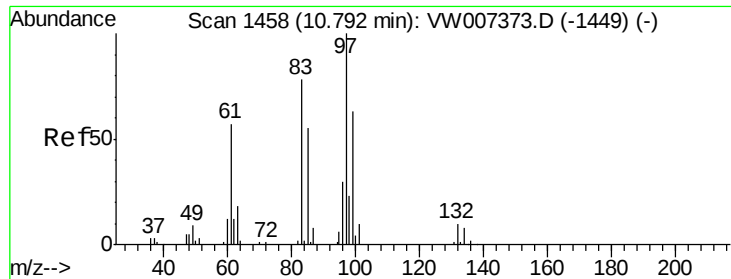
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#54
cis-1,3-Dichloropropene
Concen: 146.696 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion: 75 Resp: 204494
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 51.1 40.9 61.3





#55

1,1,2-Trichloroethane

Concen: 139.588 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

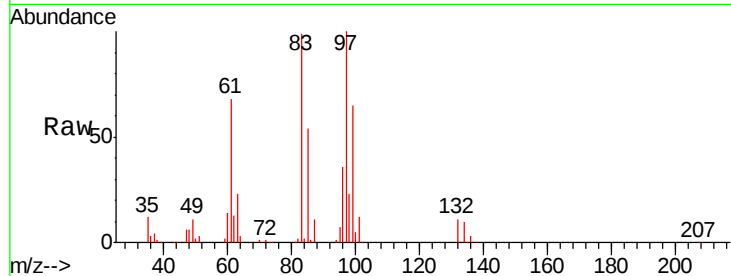
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
97	100		
83	98.5	62.1	93.1#
85	54.4	44.2	66.4
99	65.1	50.2	75.4

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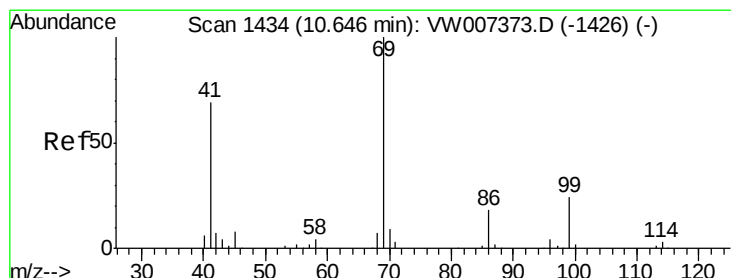
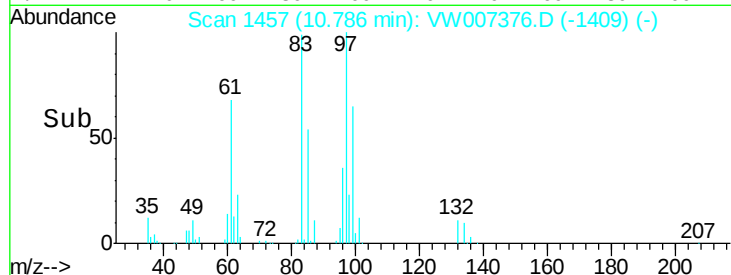
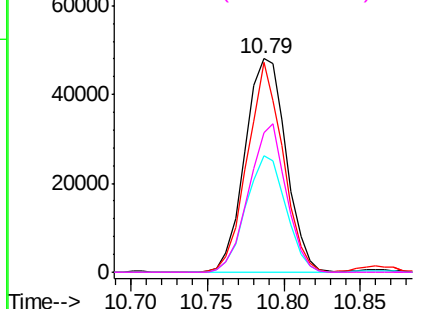


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 139.846 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW007376.D

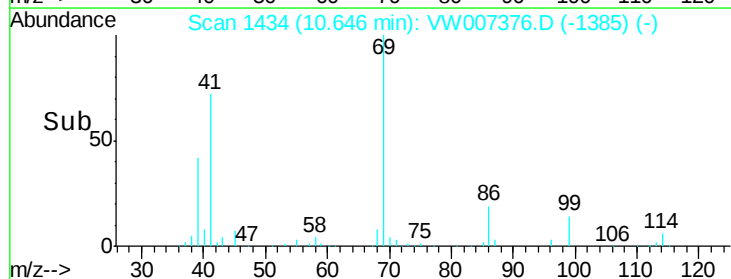
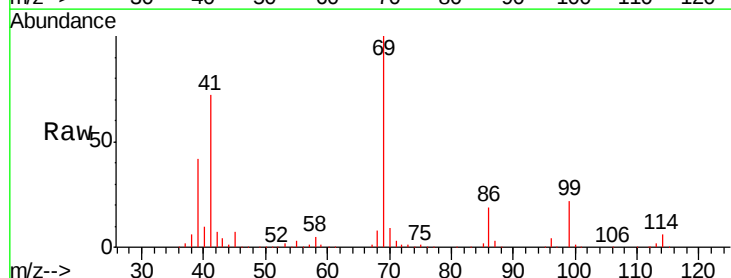
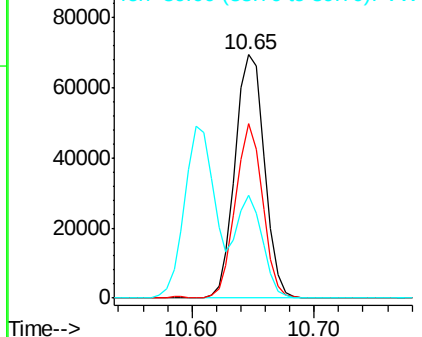
Acq: 11 Dec 2018 01:23

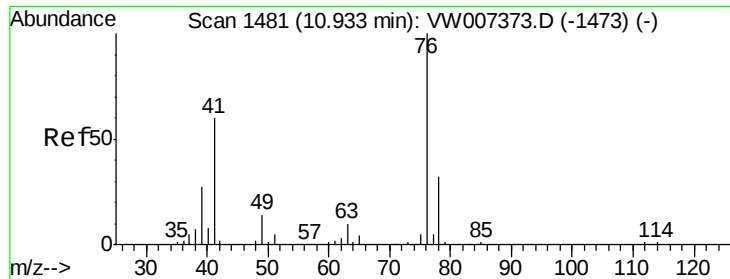
Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.2	51.0	76.6
39	37.9	30.8	46.2

Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





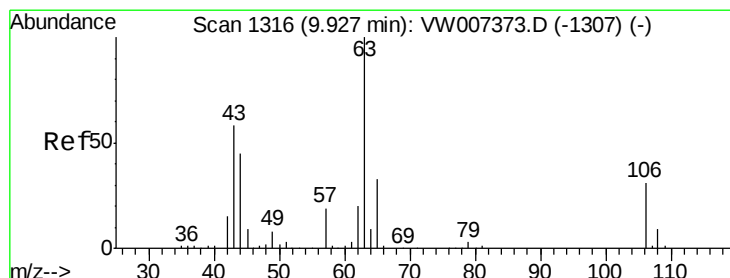
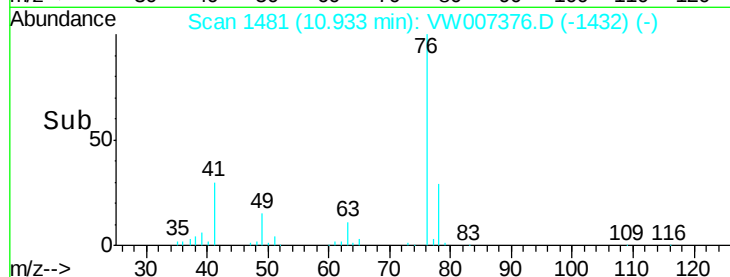
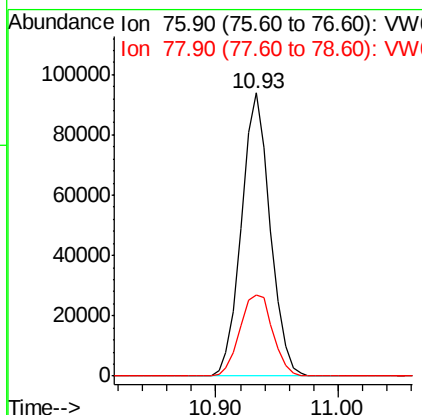
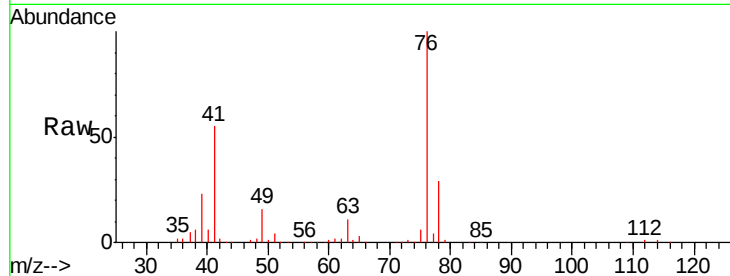
#57
 1,3-Dichloropropane
 Concen: 141.409 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 76 Resp: 152721
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.4

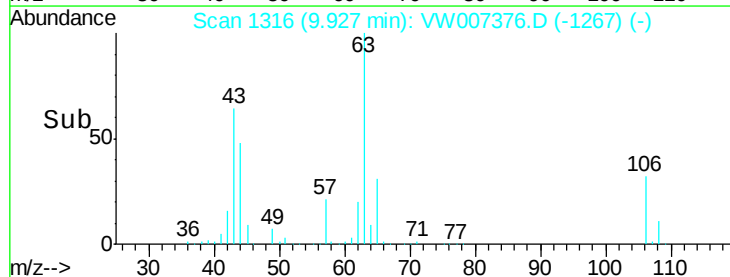
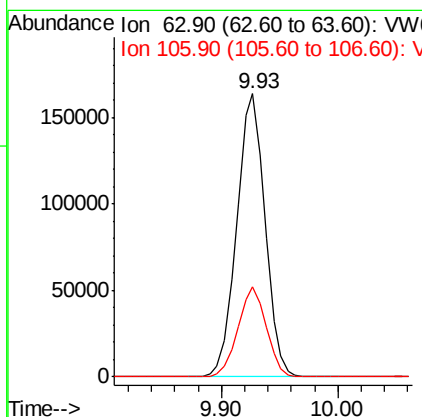
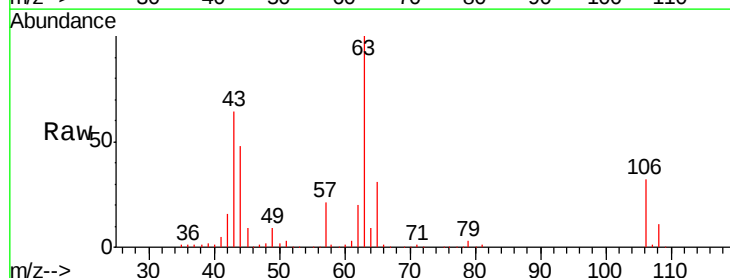
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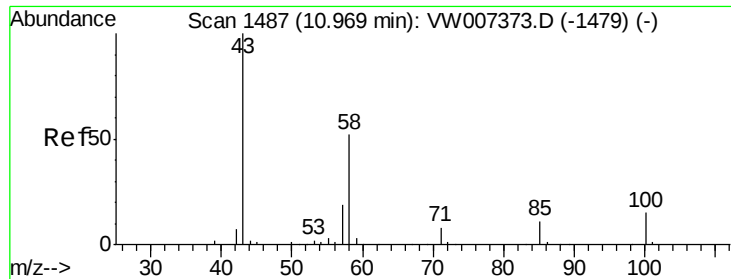
MMDadoda
 12/11/2018 4:55:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 800.520 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Tgt Ion: 63 Resp: 277287
 Ion Ratio Lower Upper
 63 100
 106 31.6 25.0 37.6





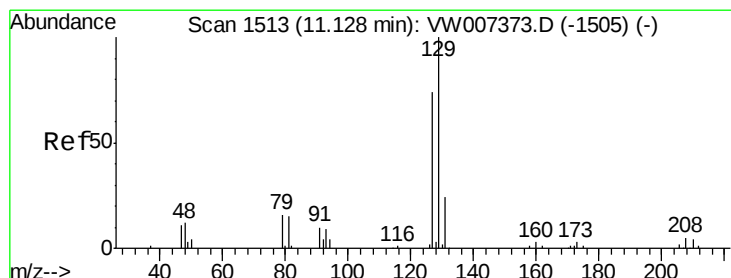
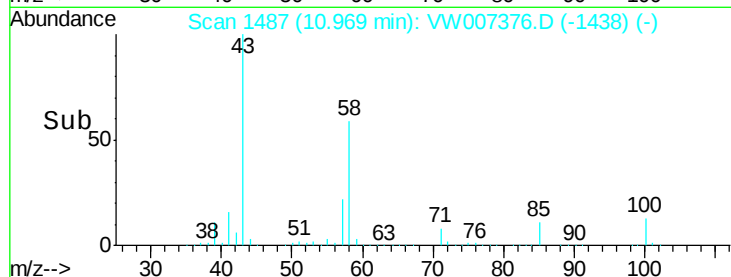
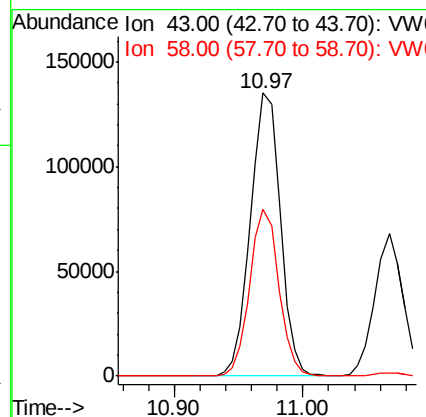
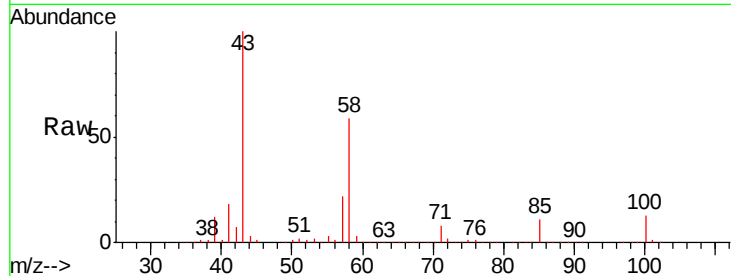
#59
2-Hexanone
Concen: 655.193 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 216642
Ion Ratio Lower Upper
43 100
58 57.4 27.1 81.3

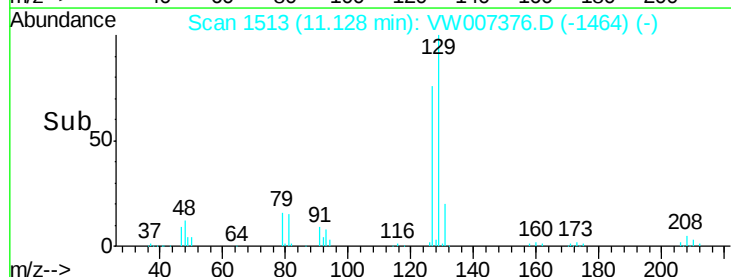
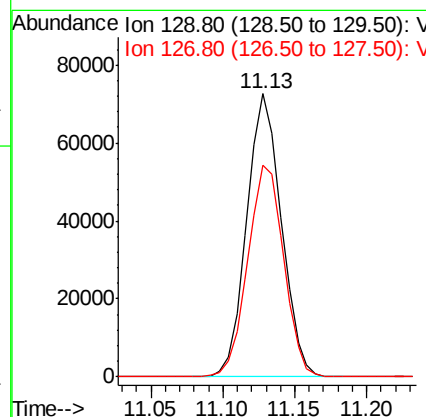
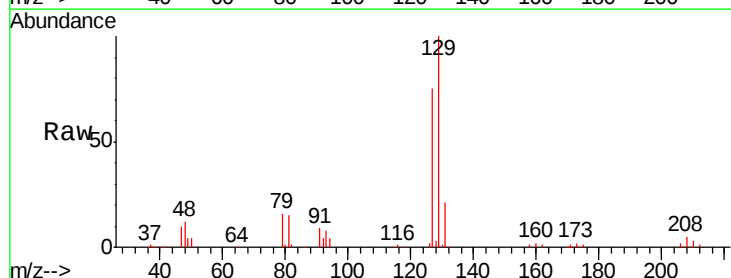
Manual Integrations
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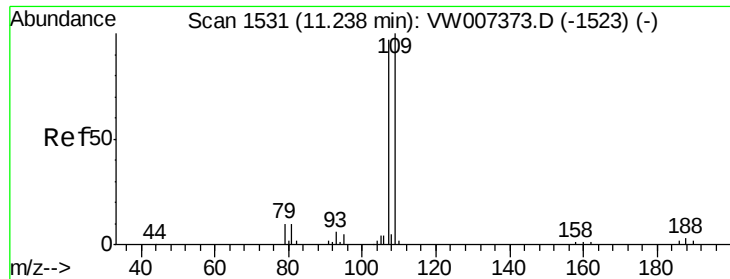
MMDadoda
12/11/2018 4:55:55 PM



#60
Dibromochloromethane
Concen: 151.450 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion: 129 Resp: 120571
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3





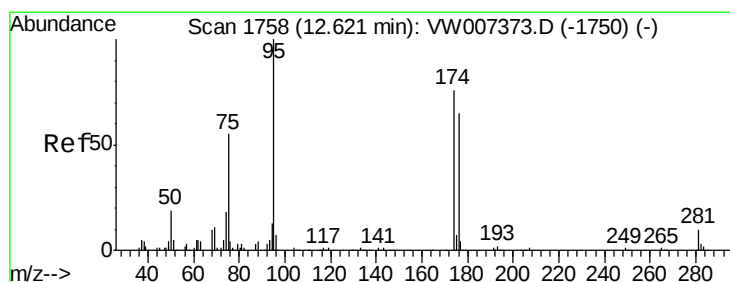
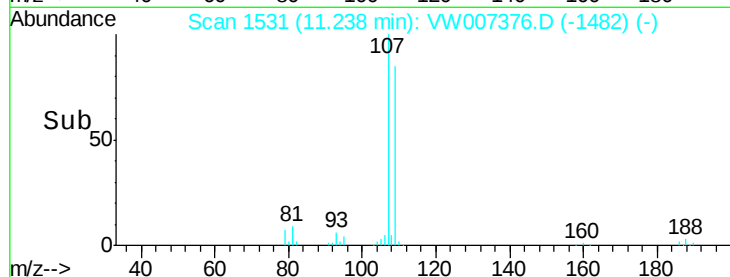
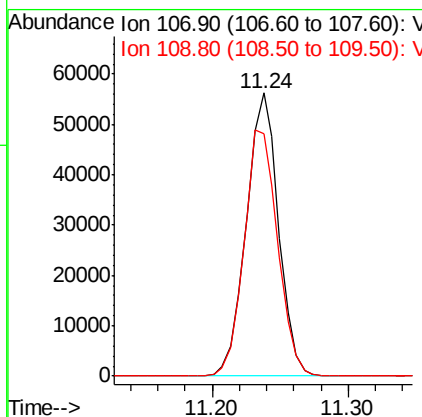
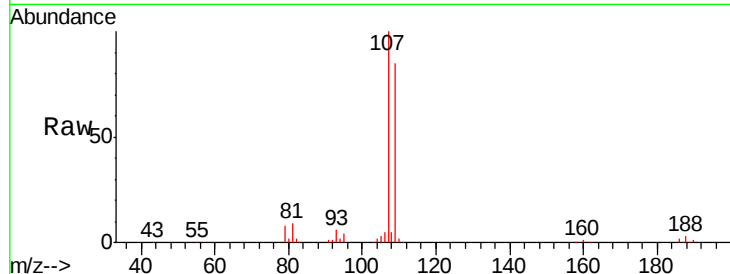
#61
 1,2-Dibromoethane
 Concen: 151.612 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 107 Resp: 93039
 Ion Ratio Lower Upper
 107 100
 109 90.8 79.1 118.7

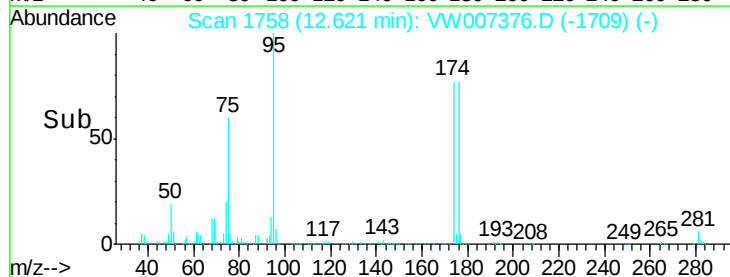
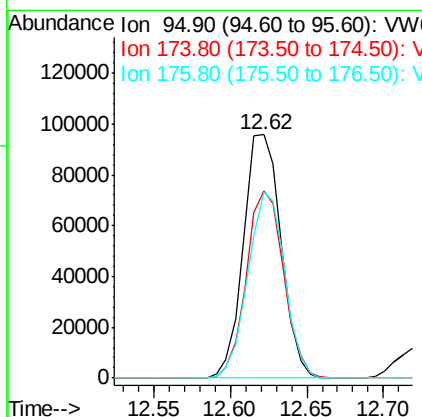
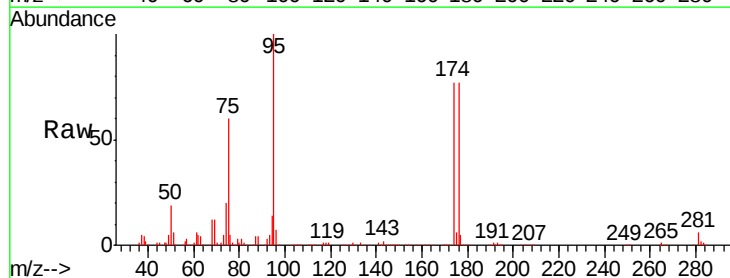
Manual Integrations
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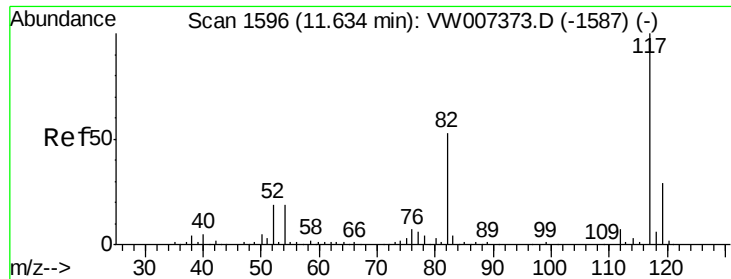
MMDadoda
 12/11/2018 4:55:55 PM



#62
 4-Bromofluorobenzene
 Concen: 125.129 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Tgt Ion: 95 Resp: 164325
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 147.2
 176 74.6 0.0 138.8





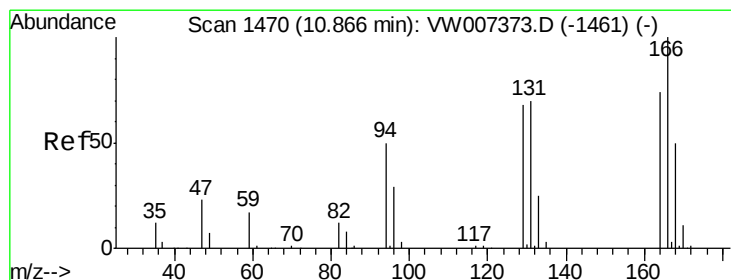
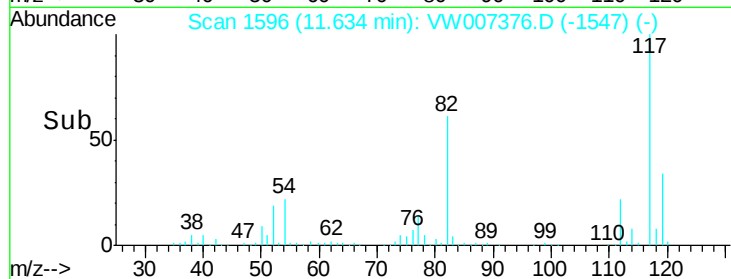
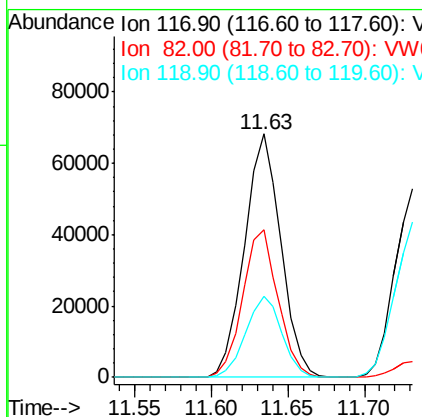
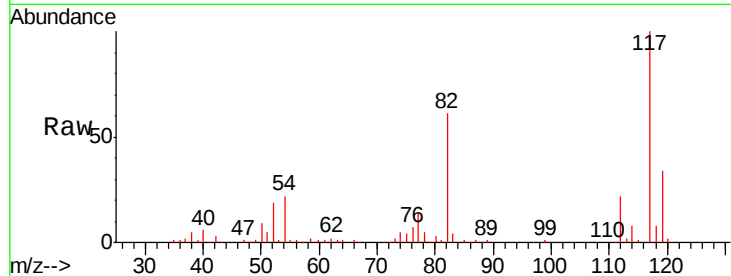
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	112846		
82	60.9	42.3	63.5	
119	33.5	23.0	34.6	

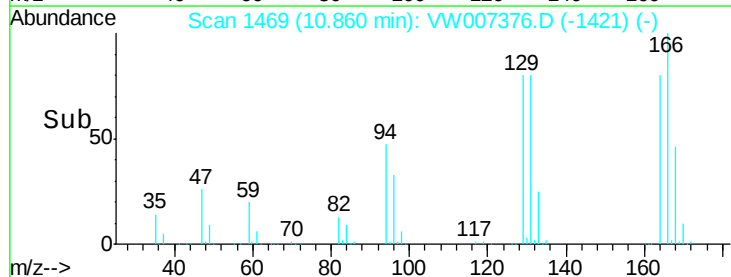
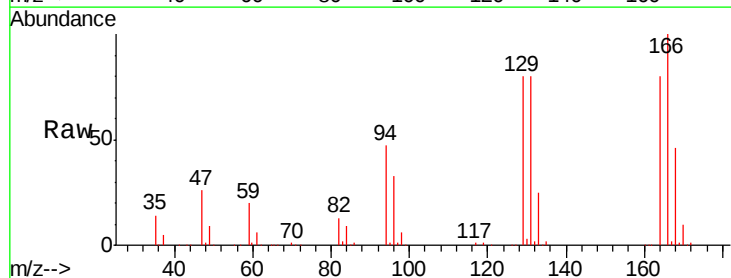
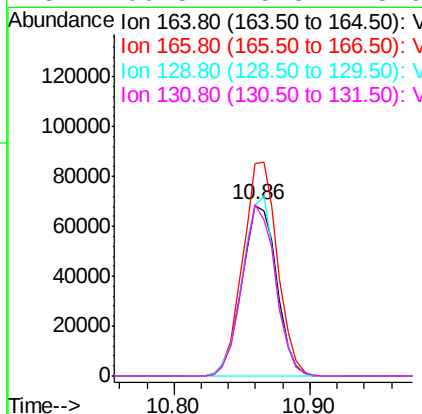
Manual Integrations
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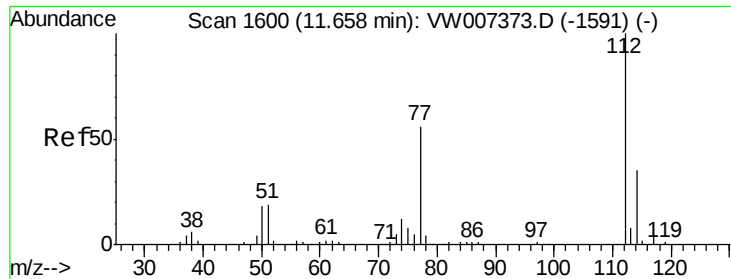
MMDadoda
12/11/2018 4:55:55 PM



#64
Tetrachloroethene
Concen: 150.692 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	122146		
166	124.9	107.9	161.9	
129	100.0	73.4	110.2	
131	100.5	75.8	113.6	





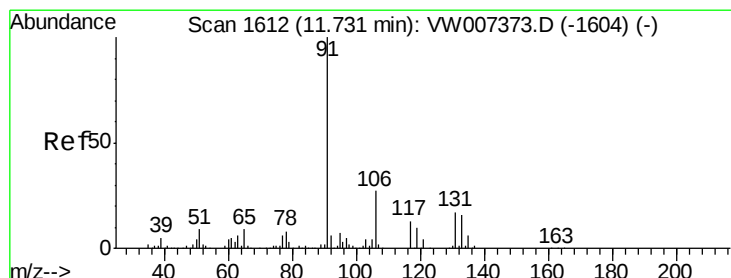
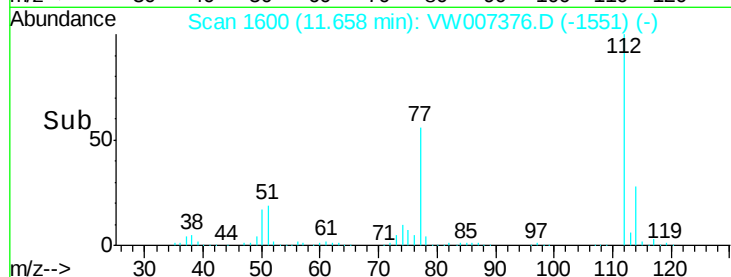
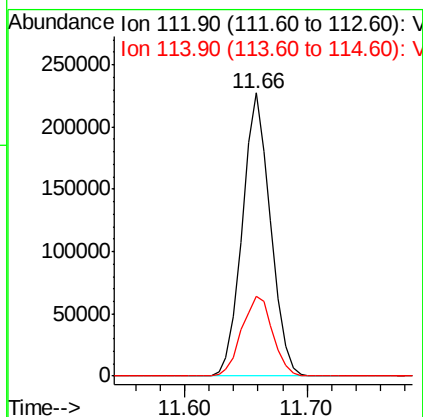
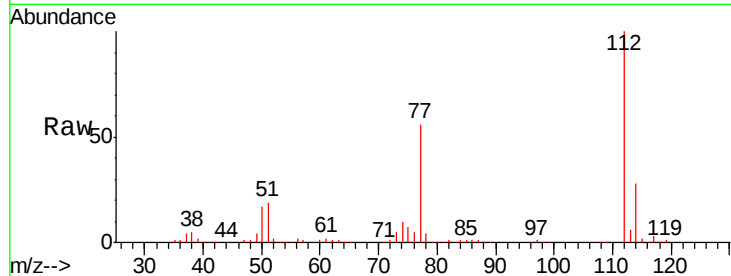
#65
Chlorobenzene
Concen: 146.721 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 362148
Ion Ratio Lower Upper
112 100
114 28.0 27.8 41.8

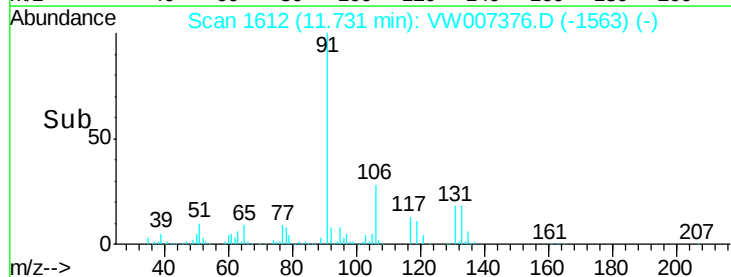
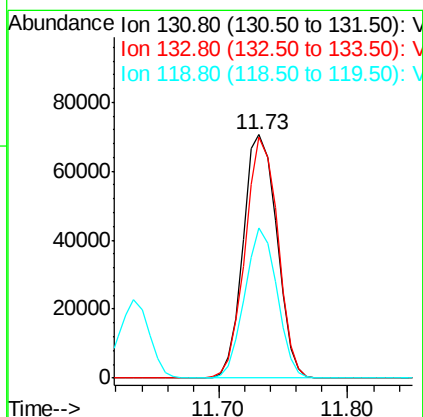
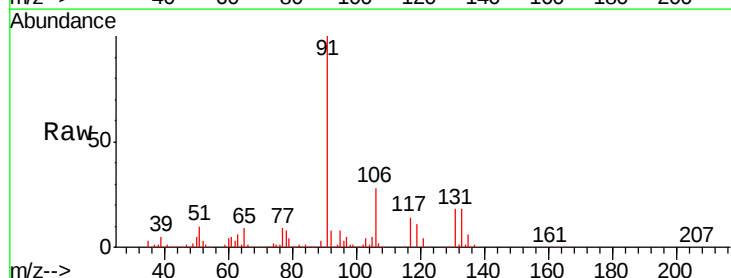
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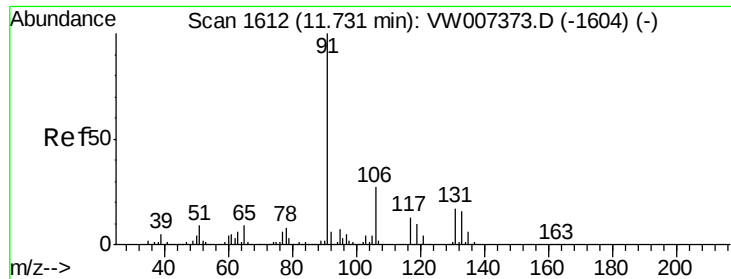
MMDadoda
12/11/2018 4:55:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 163.553 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion:131 Resp: 127440
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.4
119 59.4 31.3 93.9





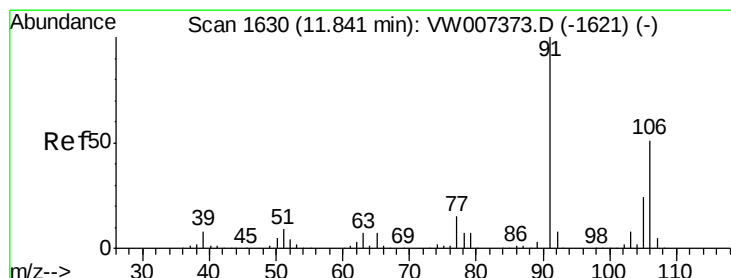
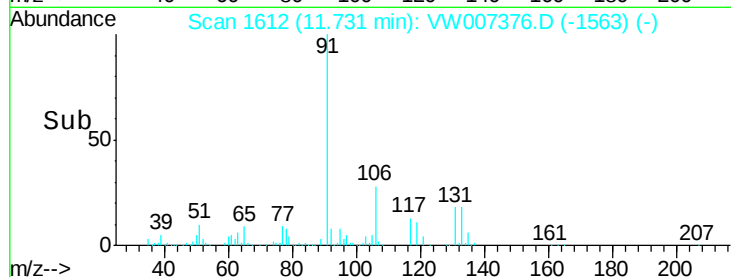
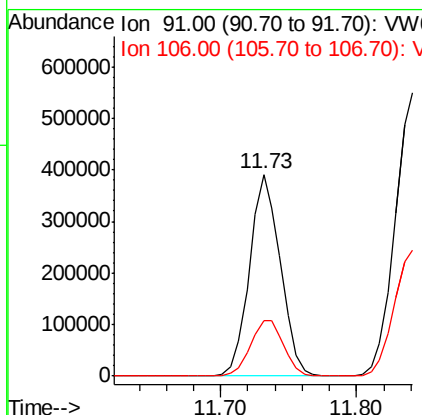
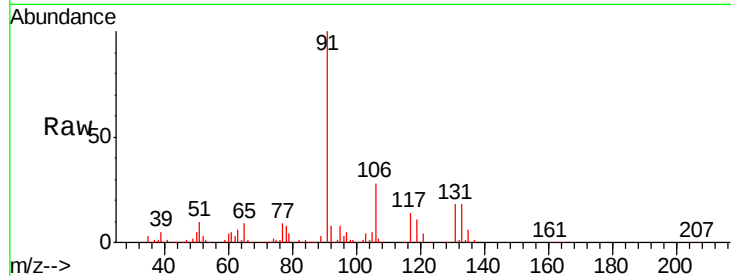
#67
Ethyl Benzene
Concen: 138.278 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 620807
Ion Ratio Lower Upper
91 100
106 27.6 21.8 32.8

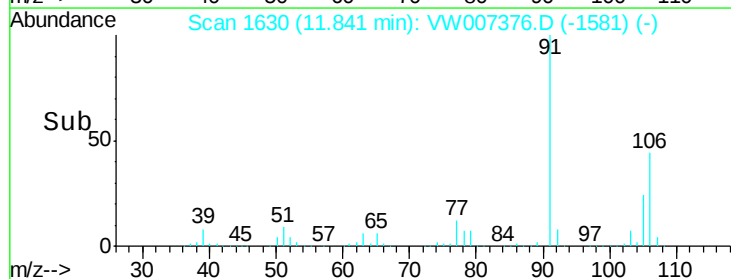
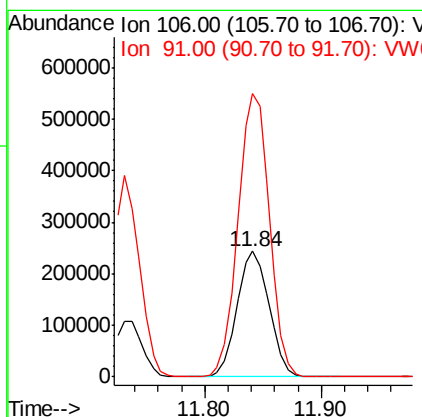
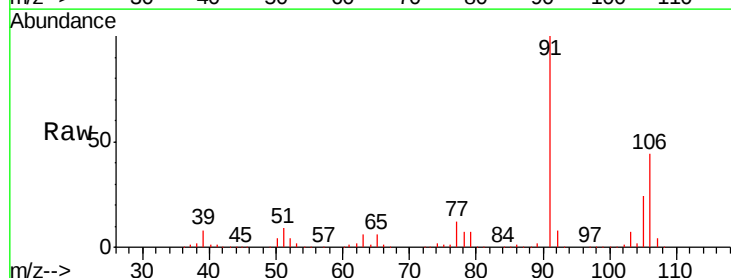
Manual Integrations
APPROVED

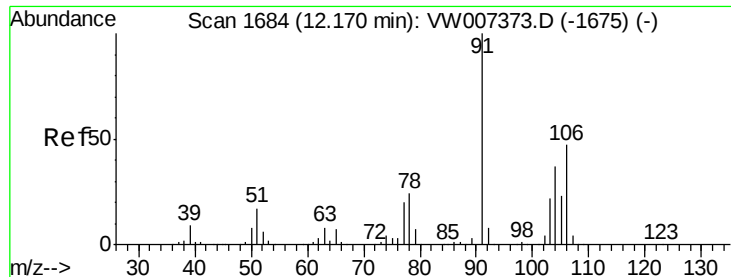
MMDadoda
12/11/2018 4:55:55 PM



#68
m/p-Xylenes
Concen: 266.434 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion: 106 Resp: 466372
Ion Ratio Lower Upper
106 100
91 220.9 165.3 247.9





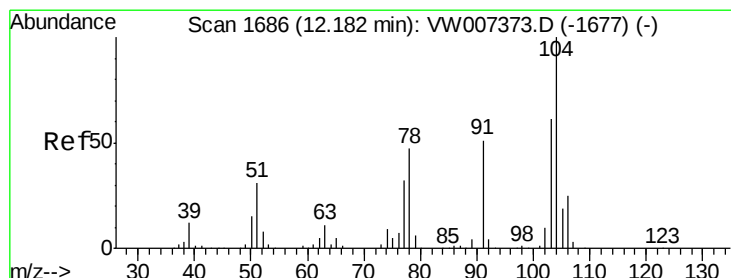
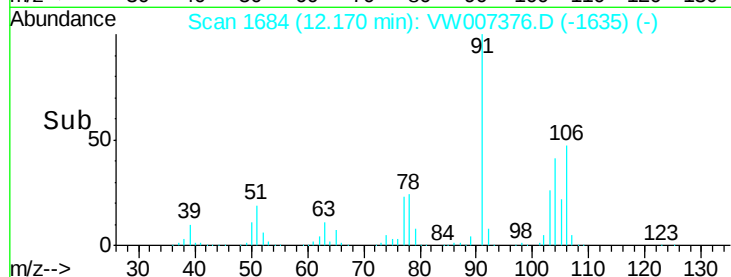
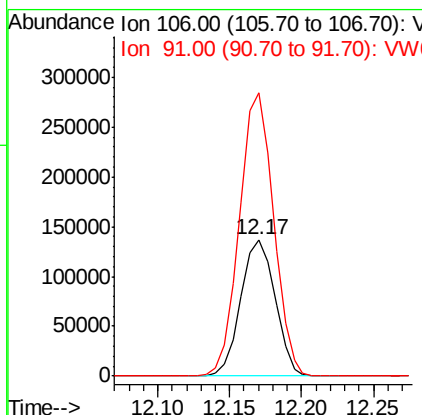
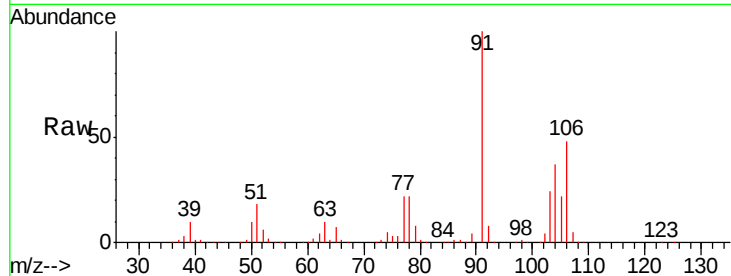
#69
o-Xylene
Concen: 136.947 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 225815
Ion Ratio Lower Upper
106 100
91 207.6 106.6 319.8

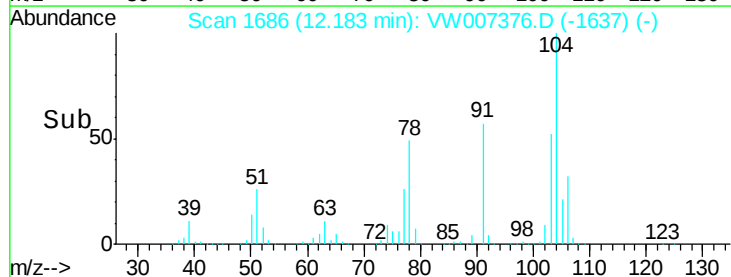
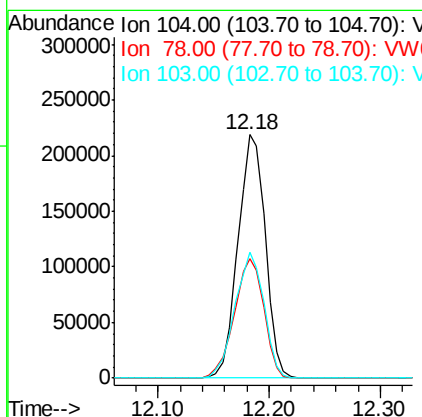
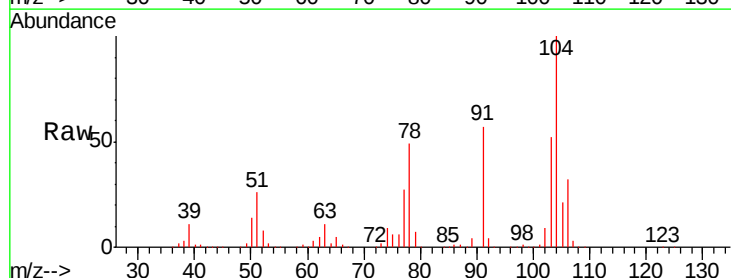
Manual Integrations
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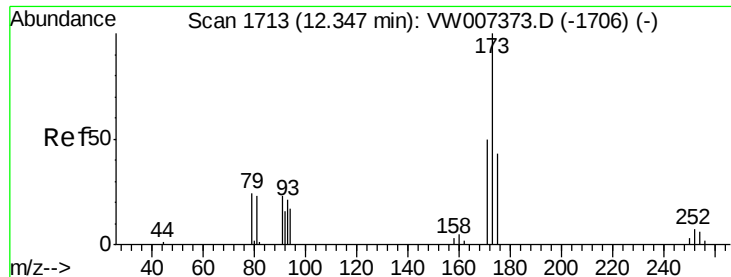
MMDadoda
12/11/2018 4:55:55 PM



#70
Styrene
Concen: 138.766 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion:104 Resp: 371659
Ion Ratio Lower Upper
104 100
78 52.9 41.8 62.8
103 54.8 46.6 69.8





#71

Bromoform

Concen: 171.959 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

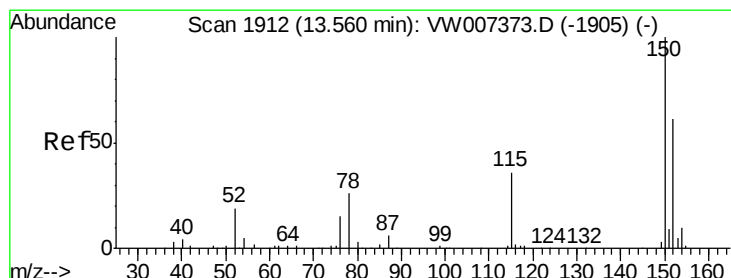
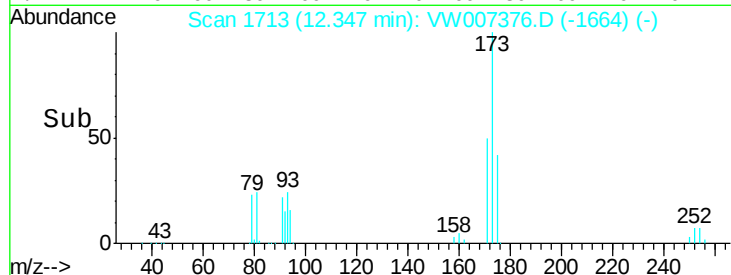
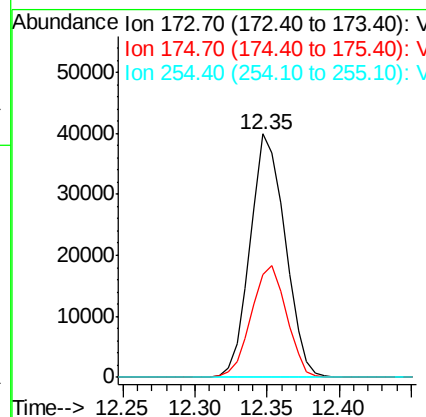
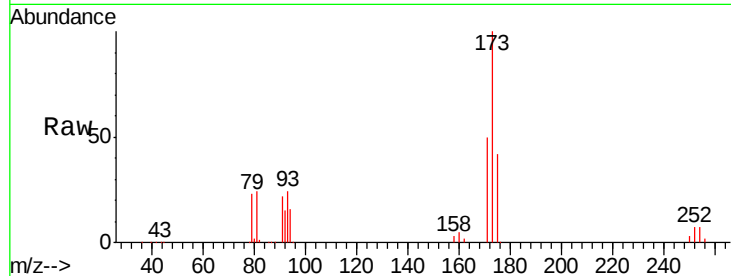
ClientSampleId :

VSTDIC150

Tgt Ion:	173	Resp:	66897
Ion Ratio	Lower	Upper	
173	100		
175	46.3	23.6	70.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

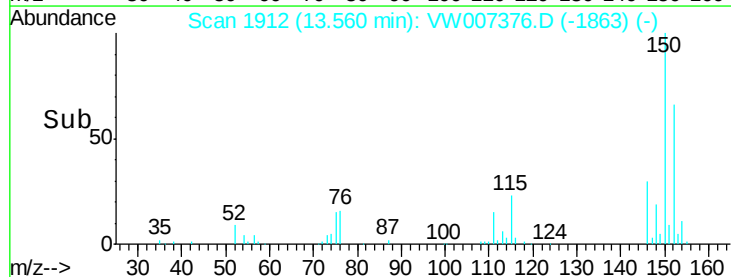
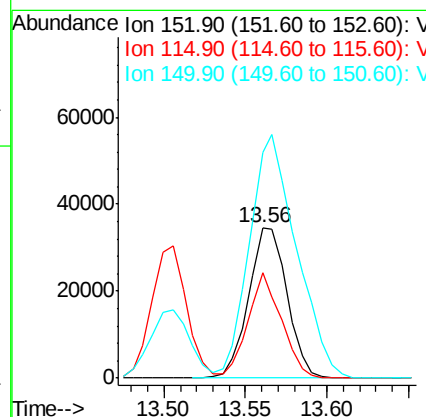
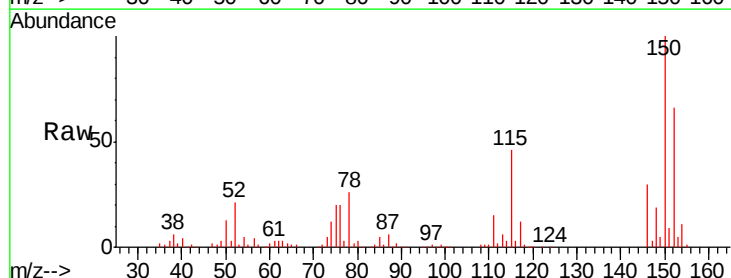
RT: 13.56 min Scan# 1912

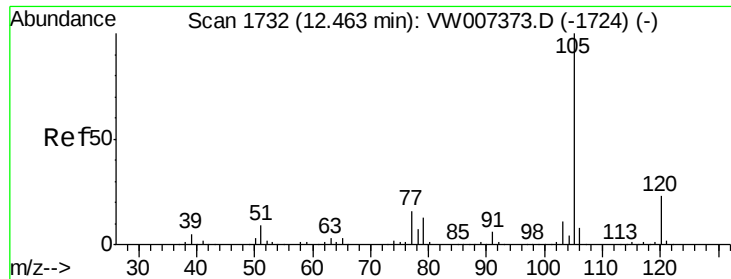
Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Tgt Ion:	152	Resp:	56567
Ion Ratio	Lower	Upper	
152	100		
115	62.1	31.4	94.2
150	199.1	0.0	358.4





#73

Isopropylbenzene

Concen: 146.654 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 663527

Ion Ratio Lower Upper

105 100

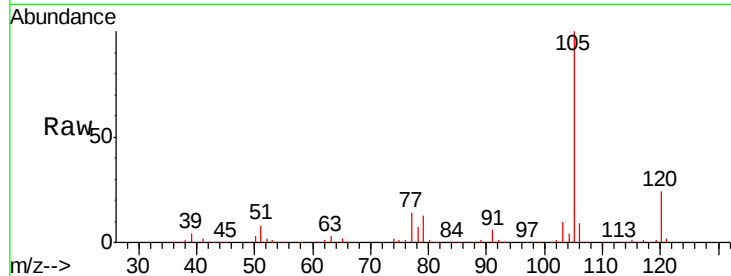
120 25.3 12.8 38.4

Manual Integrations

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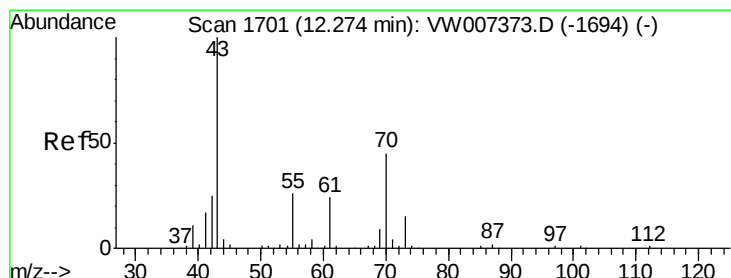
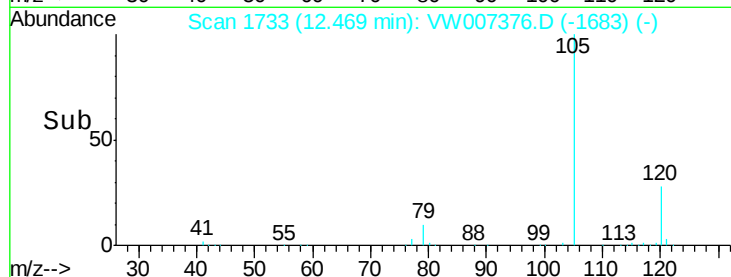
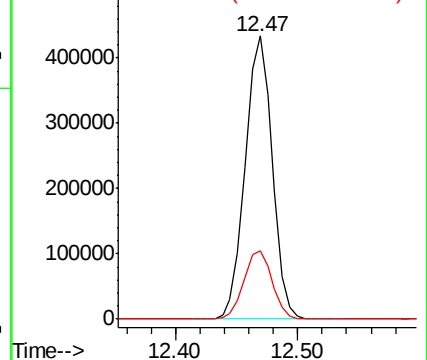
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 155.149 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Tgt Ion: 43 Resp: 123686

Ion Ratio Lower Upper

43 100

70 44.3 36.5 54.7

55 24.1 20.1 30.1

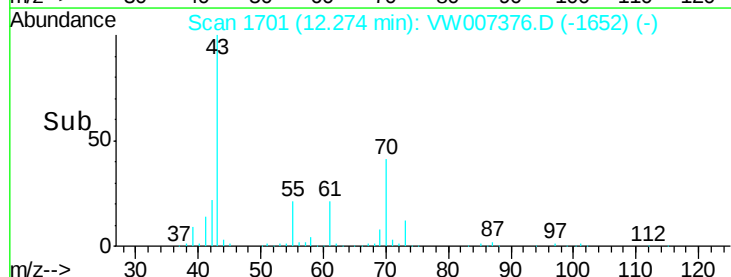
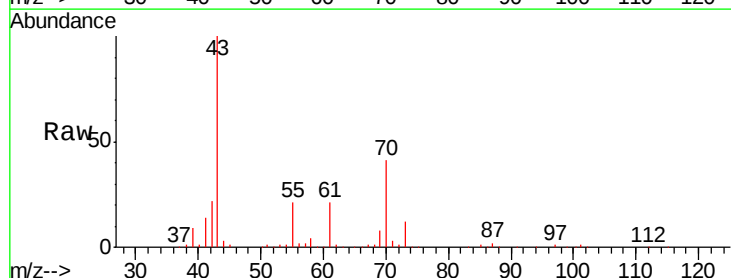
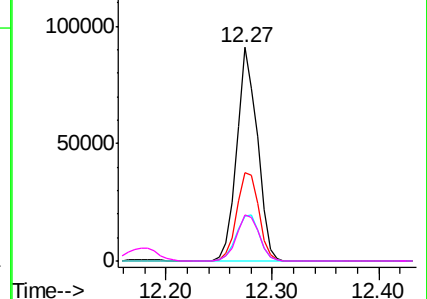
61 23.6 19.3 28.9

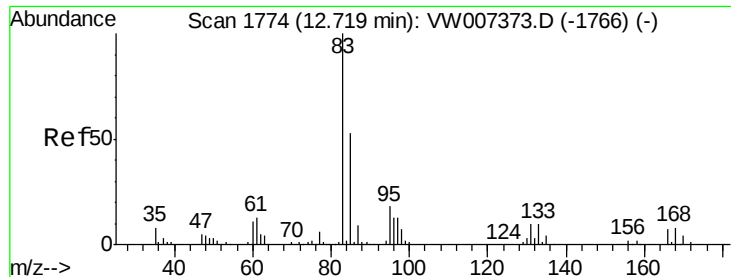
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 151.050 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

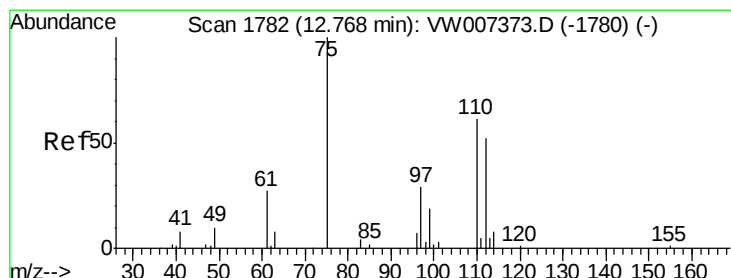
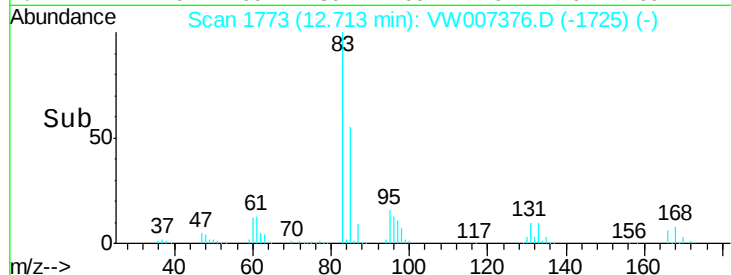
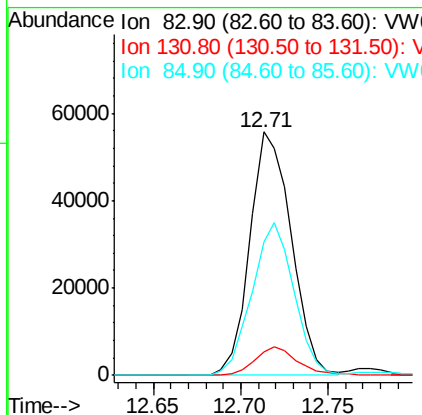
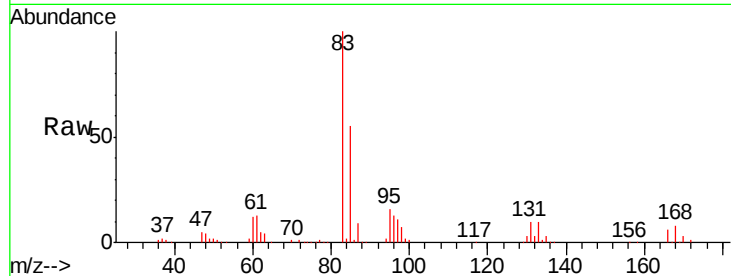
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	91643
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.9	17.8
85	63.4	30.0	90.0

Manual Integrations
APPROVED

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



#76

1,2,3-Trichloropropane

Concen: 133.988 ug/l m

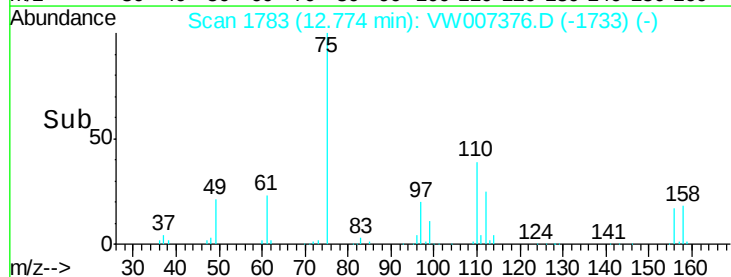
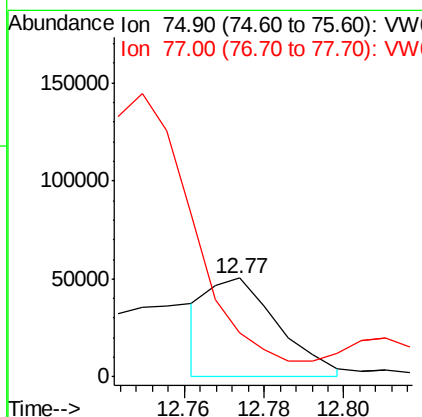
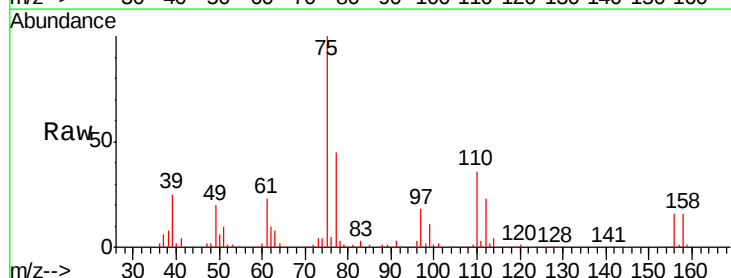
RT: 12.77 min Scan# 1783

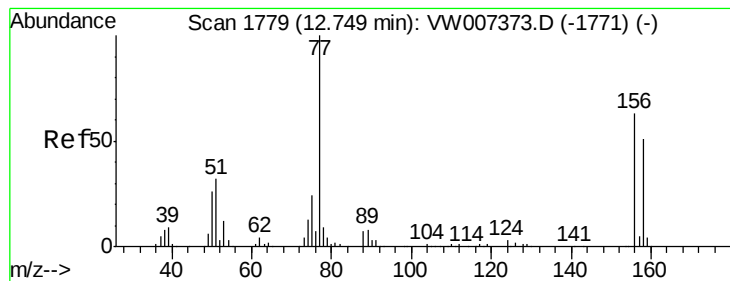
Delta R.T. 0.01 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Tgt Ion:	75	Resp:	61786
Ion Ratio	Lower	Upper	
75	100		
77	0.0	166.9	500.8#





#77

Bromobenzene

Concen: 145.881 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

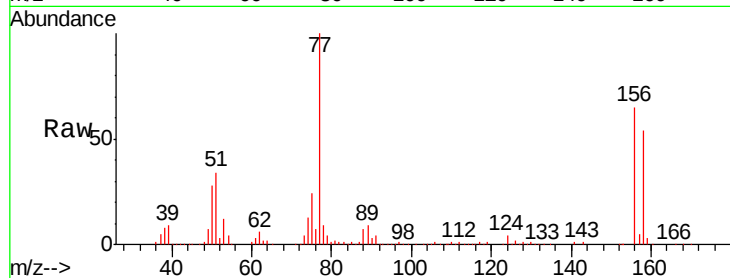
ClientSampleId :

VSTDIC150

Tgt Ion:	156	Resp:	144906
Ion Ratio	Lower	Upper	
156	100		
77	180.6	88.1	264.4
158	94.4	45.6	136.7

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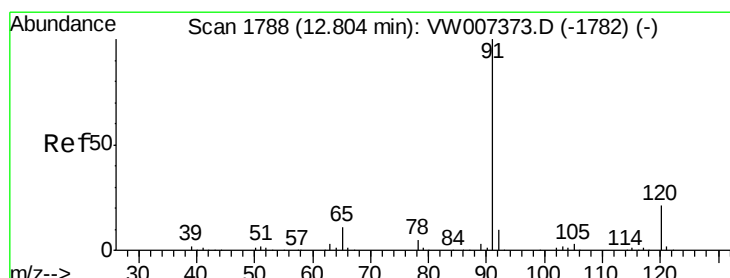
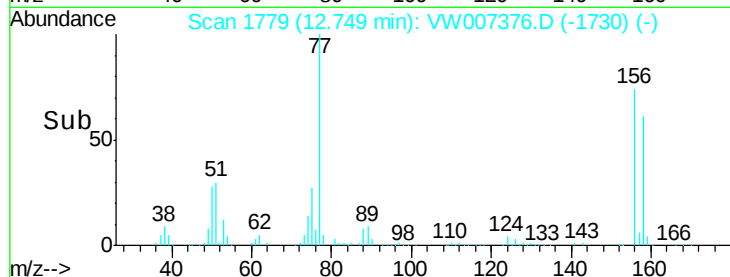
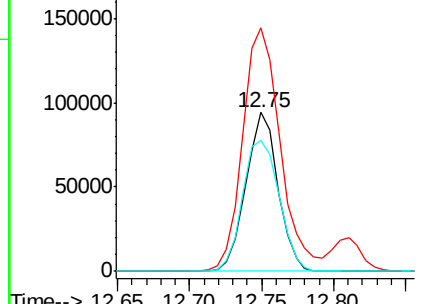
MMDadoda
12/11/2018 4:55:55 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 138.011 ug/l

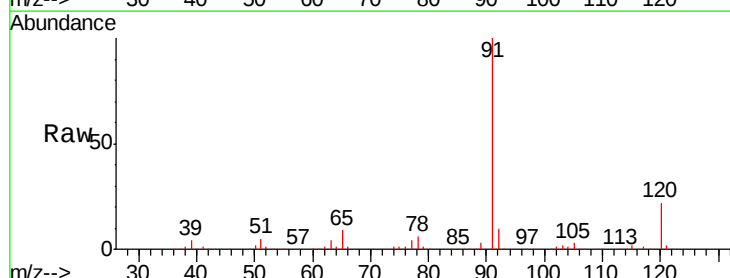
RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007376.D

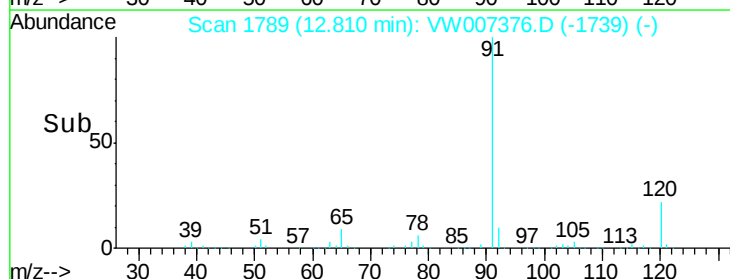
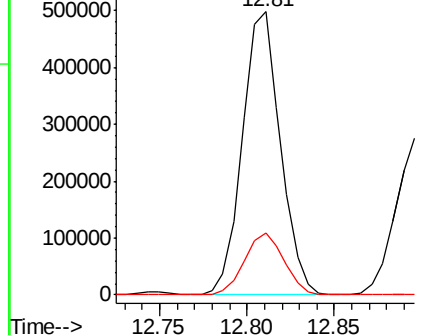
Acq: 11 Dec 2018 01:23

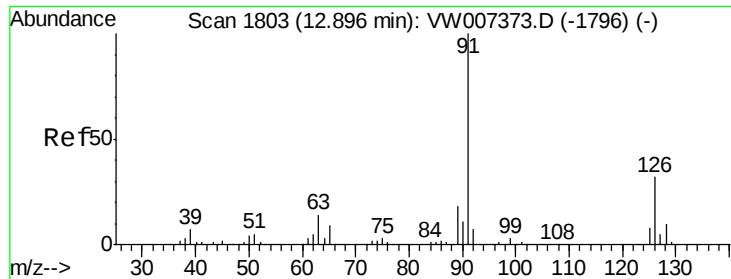
Tgt Ion:	91	Resp:	749911
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





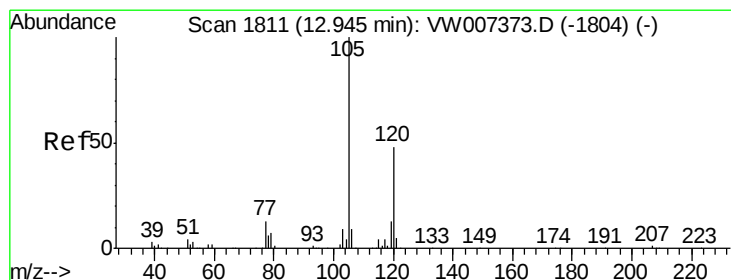
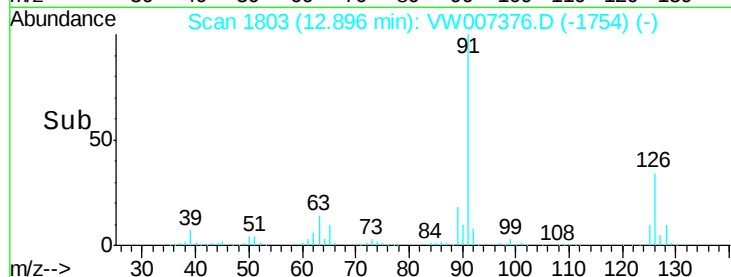
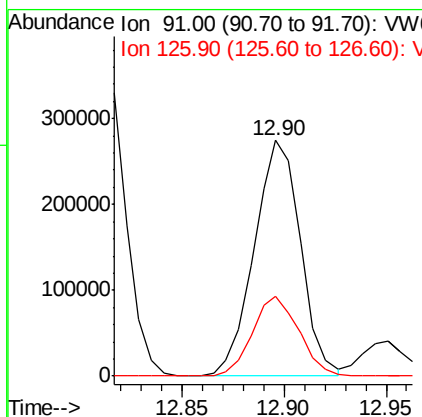
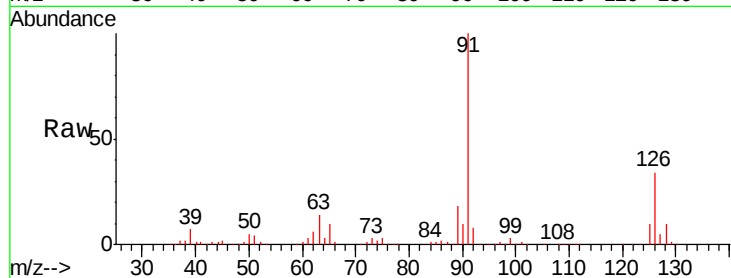
#79
2-Chlorotoluene
Concen: 140.622 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 433499
Ion Ratio Lower Upper
91 100
126 33.8 15.9 47.6

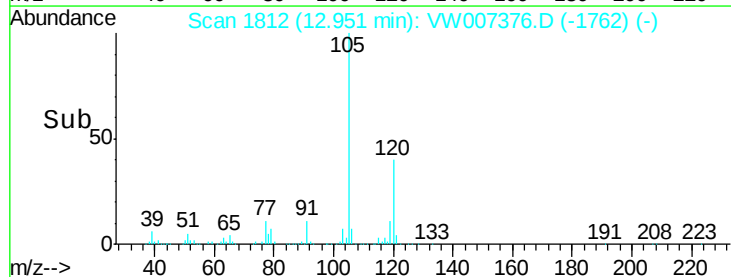
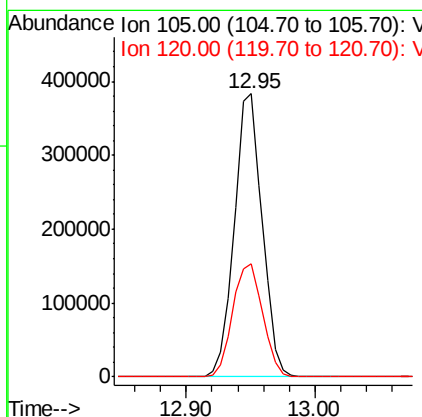
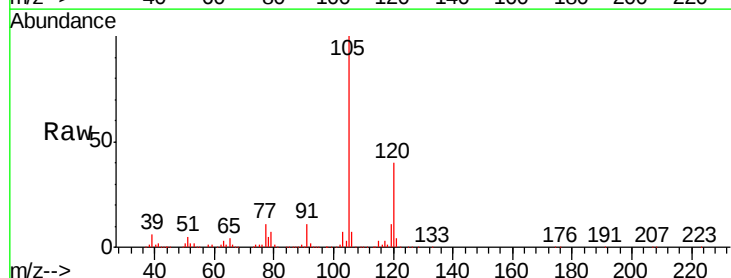
Manual Integrations
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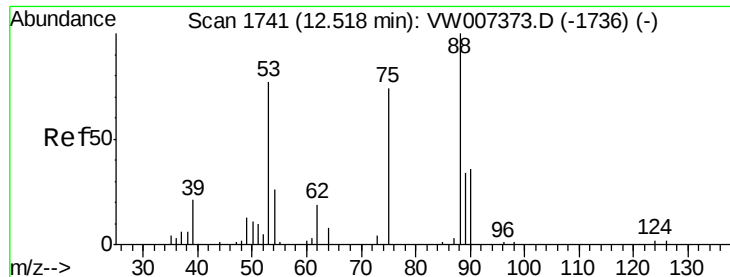
MMDadoda
12/11/2018 4:55:55 PM



#80
1,3,5-Trimethylbenzene
Concen: 148.359 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion: 105 Resp: 574755
Ion Ratio Lower Upper
105 100
120 43.3 23.8 71.4





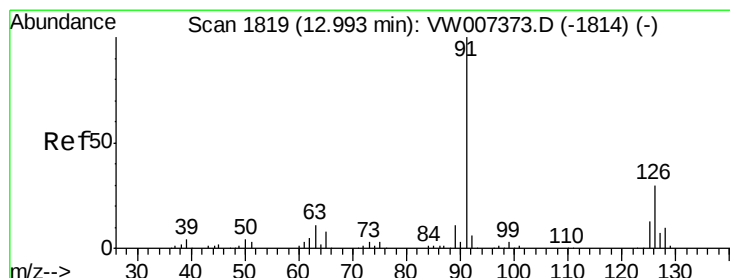
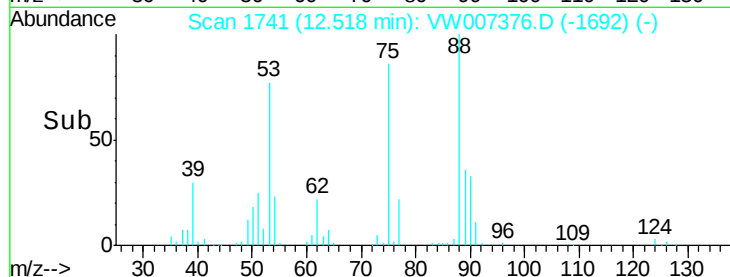
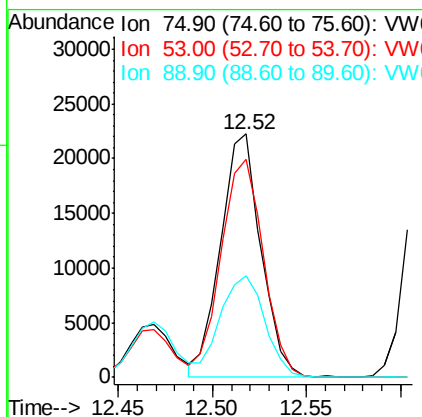
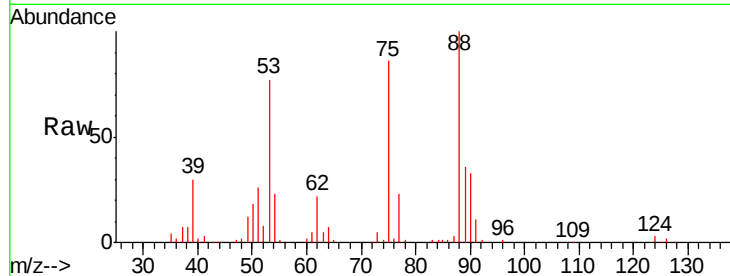
#81
trans-1,4-Dichloro-2-butene
Concen: 165.601 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.0	84.9	127.3
89	46.5	40.3	60.5

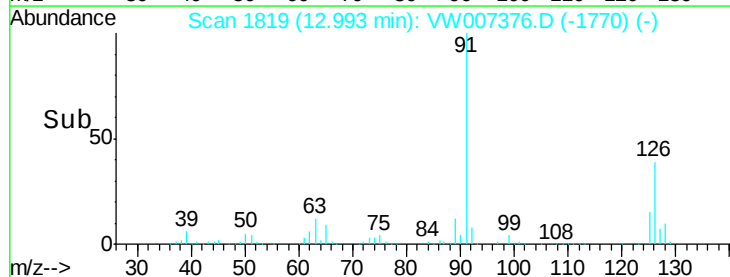
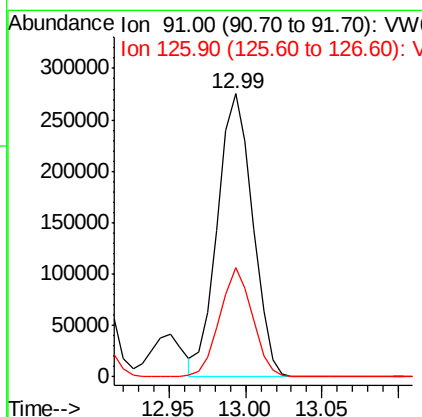
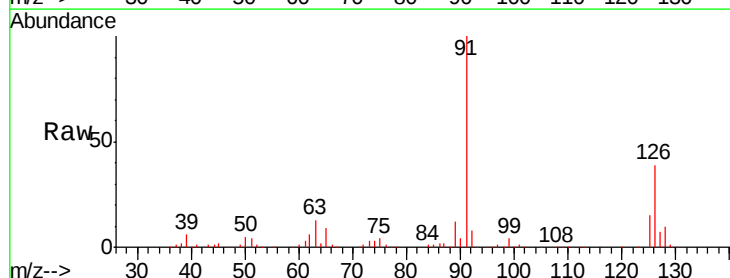
Manual Integrations
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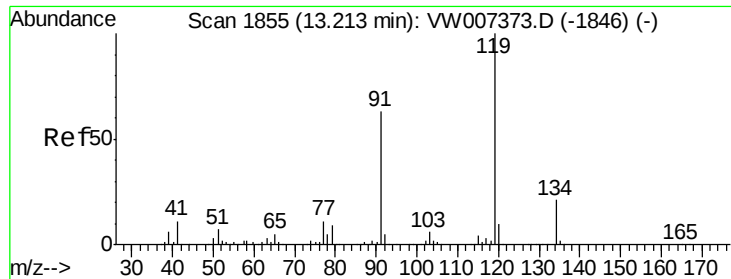
MMDadoda
12/11/2018 4:55:55 PM



#82
4-Chlorotoluene
Concen: 134.095 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	16.0	48.0





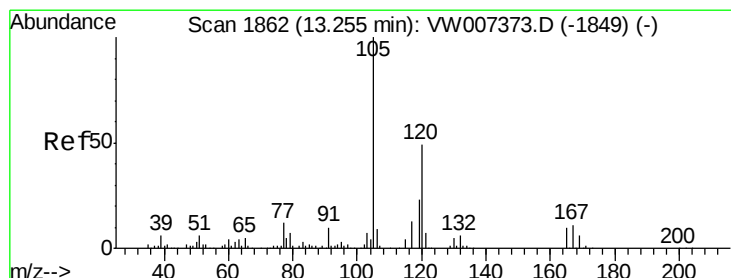
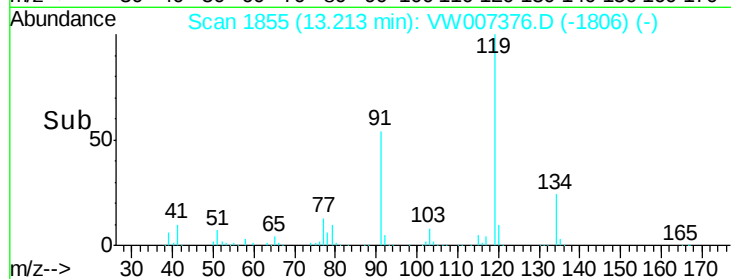
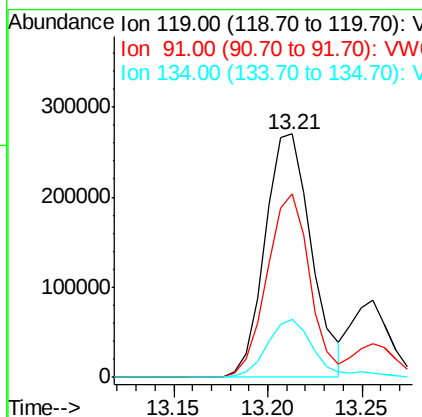
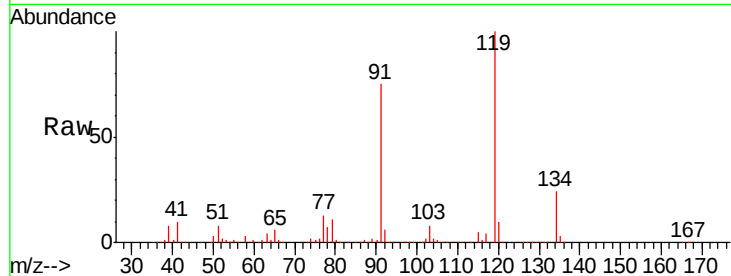
#83
tert-Butylbenzene
Concen: 134.754 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	460862		
91	69.6	33.1	99.2	
134	24.6	12.5	37.5	

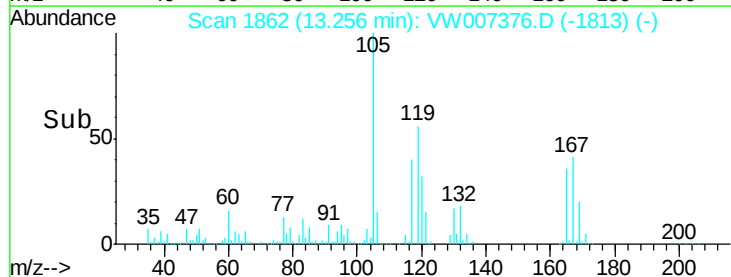
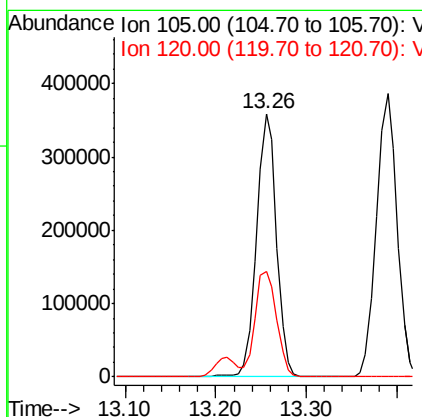
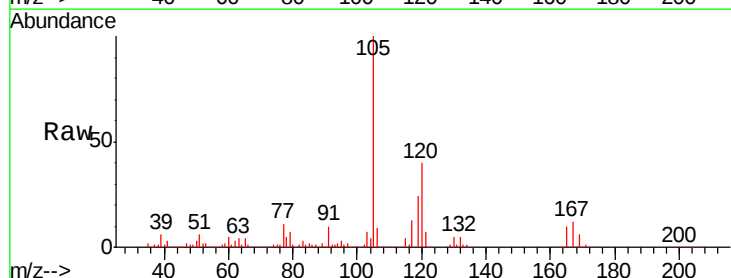
Manual Integrations
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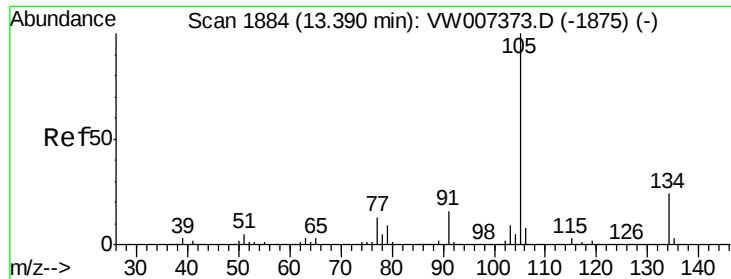
MMDadoda
12/11/2018 4:55:55 PM



#84
1,2,4-Trimethylbenzene
Concen: 137.373 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	544606		
120	42.7	22.6	67.7	





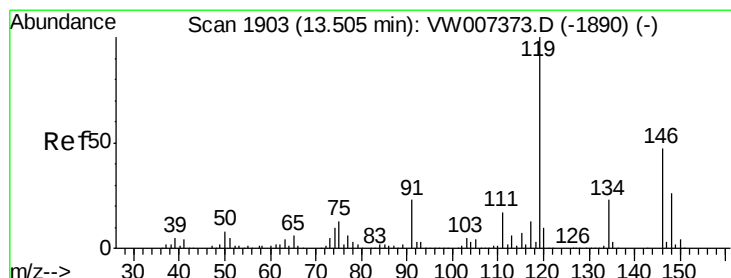
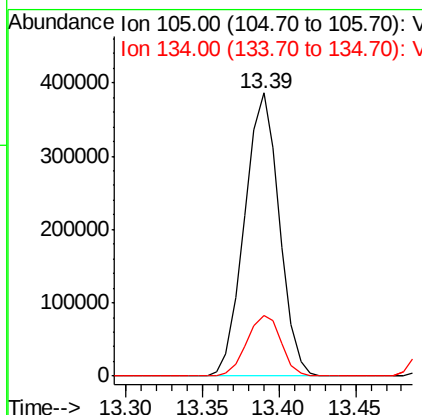
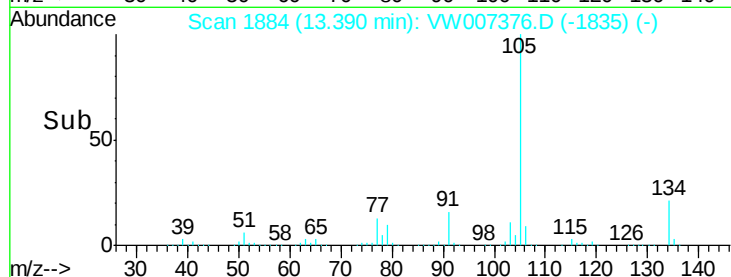
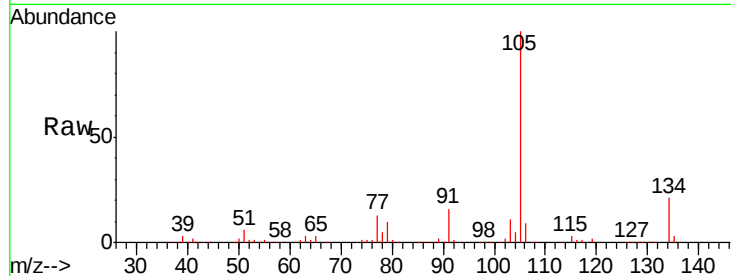
#85
 sec-Butylbenzene
 Concen: 126.641 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 610515
 Ion Ratio Lower Upper
 105 100
 134 21.4 11.1 33.3

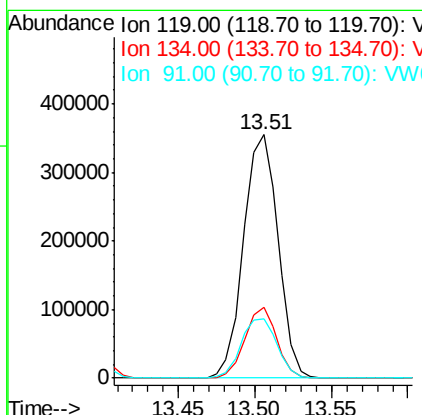
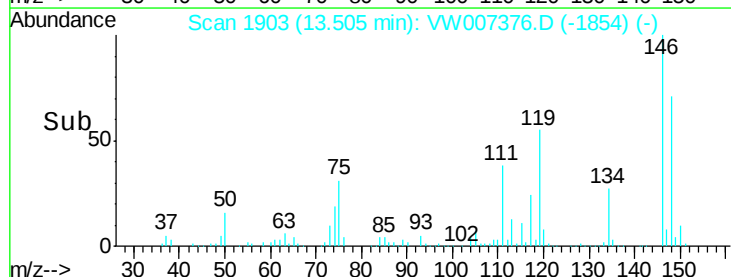
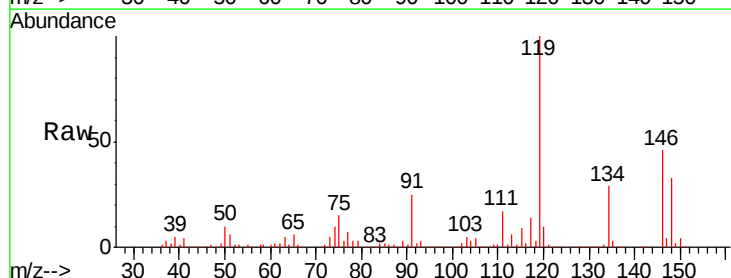
Manual Integrations
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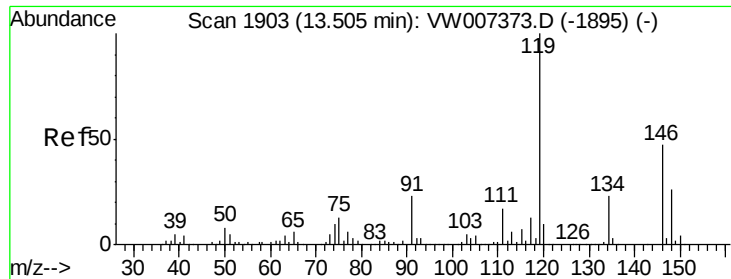
MMDadoda
 12/11/2018 4:55:55 PM



#86
 p-Isopropyltoluene
 Concen: 128.473 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Tgt Ion:119 Resp: 557001
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.9 38.7
 91 25.3 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 135.218 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Instrument :

MSVOA_W

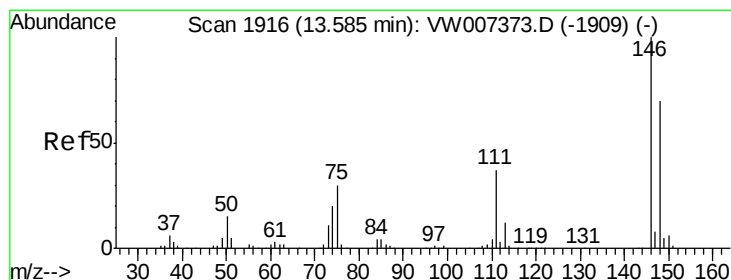
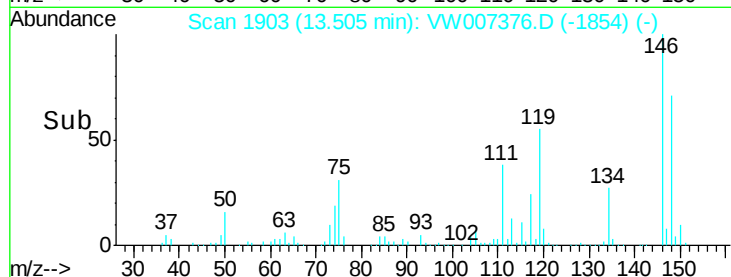
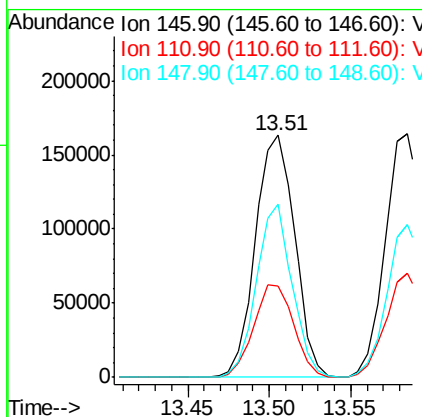
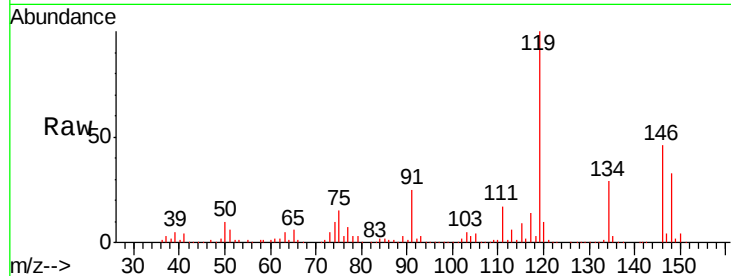
ClientSampleId :

VSTDIC150

Tgt Ion:	146	Resp:	274565
Ion Ratio	Lower	Upper	
146	100		
111	39.0	20.1	60.3
148	64.7	31.4	94.0

Manual Integrations
APPROVED

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



#88

1,4-Dichlorobenzene

Concen: 134.621 ug/l

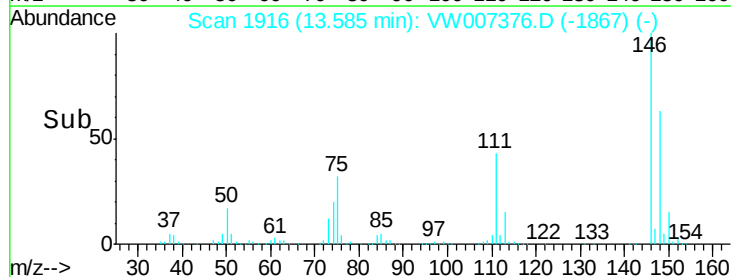
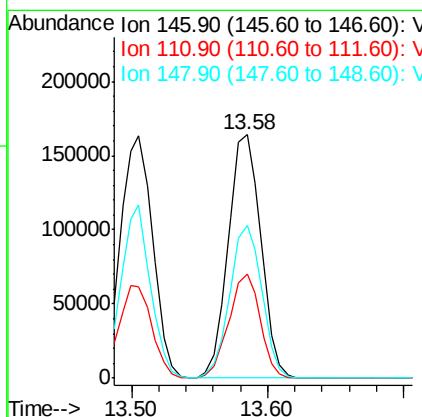
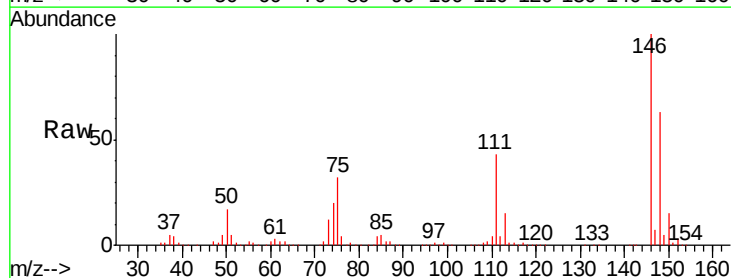
RT: 13.58 min Scan# 1916

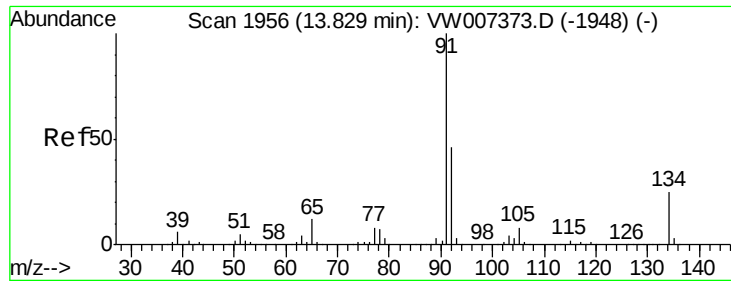
Delta R.T. 0.00 min

Lab File: VW007376.D

Acq: 11 Dec 2018 01:23

Tgt Ion:	146	Resp:	273361
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.3	61.0
148	61.8	33.5	100.5





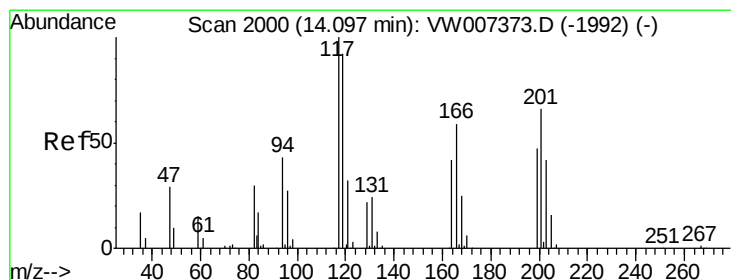
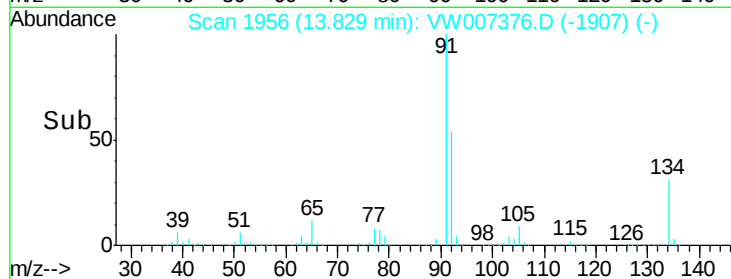
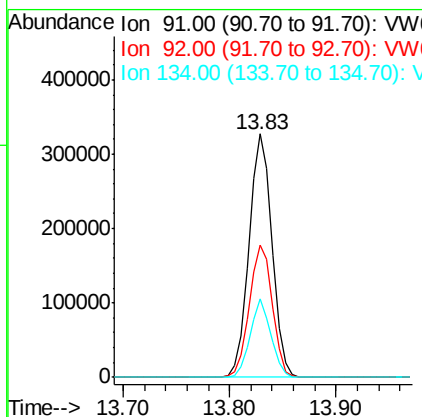
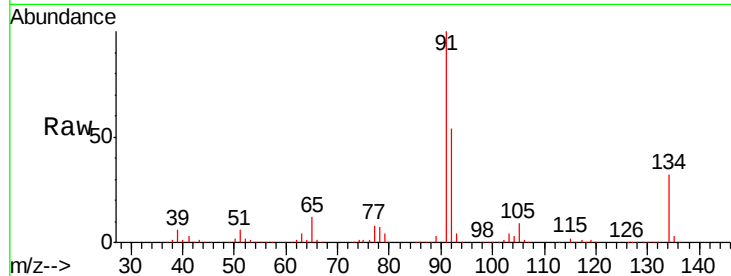
#89
n-Butylbenzene
Concen: 122.559 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 493683
Ion Ratio Lower Upper
91 100
92 54.5 25.7 77.1
134 29.2 13.4 40.2

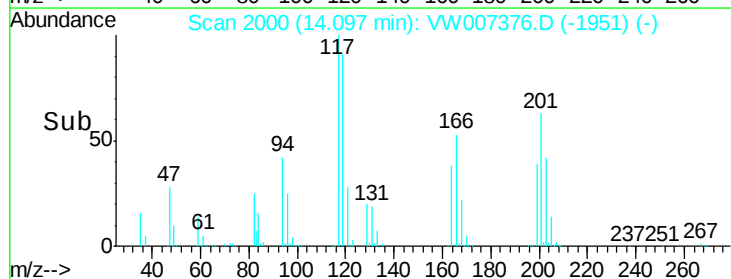
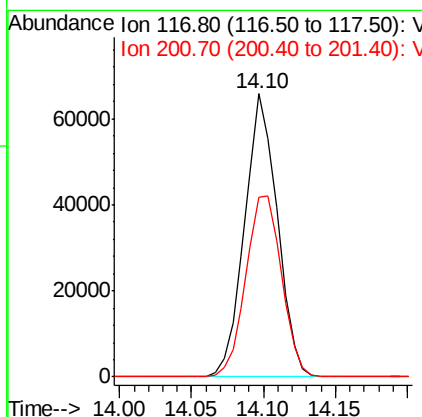
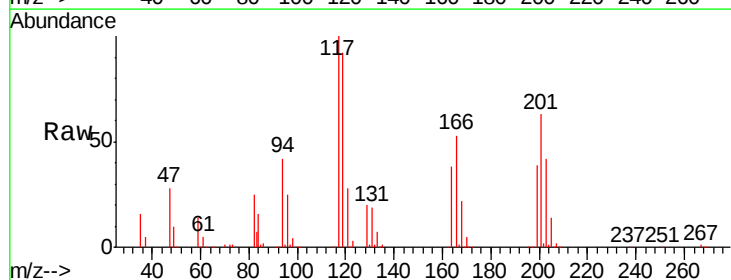
Manual Integrations
APPROVED

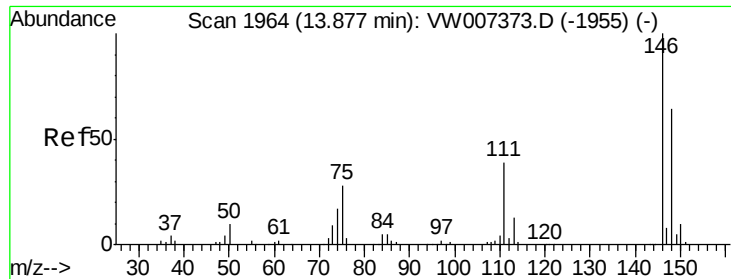
MMDadoda
12/11/2018 4:55:55 PM



#90
Hexachloroethane
Concen: 154.867 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion: 117 Resp: 103411
Ion Ratio Lower Upper
117 100
201 69.9 35.3 105.9





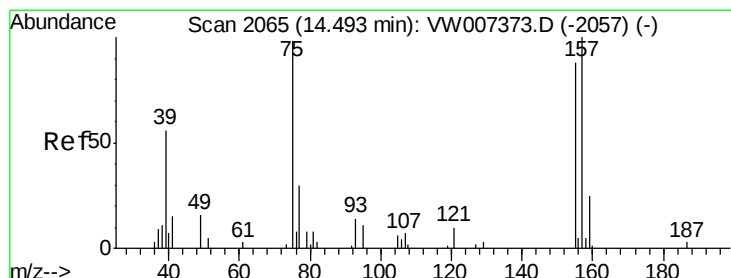
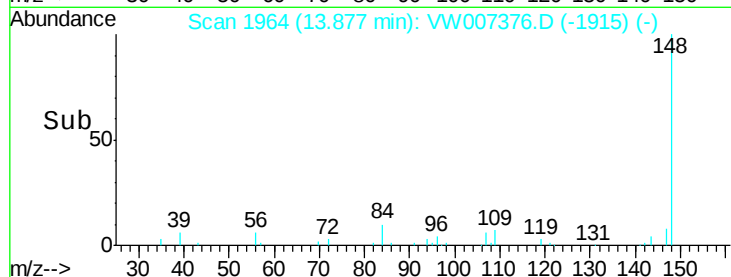
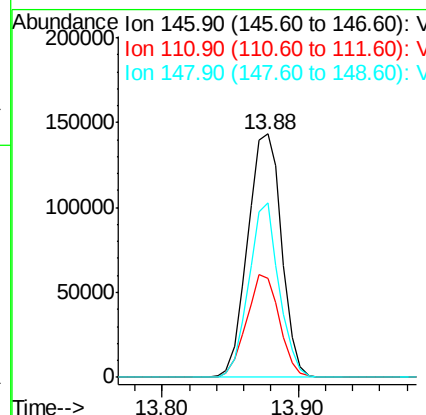
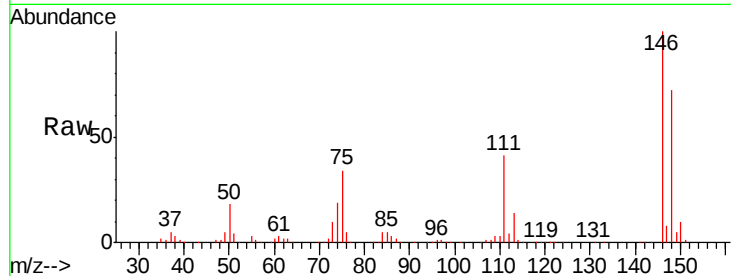
#91
 1,2-Dichlorobenzene
 Concen: 143.138 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	22.4	67.2
148	64.2	32.4	97.2

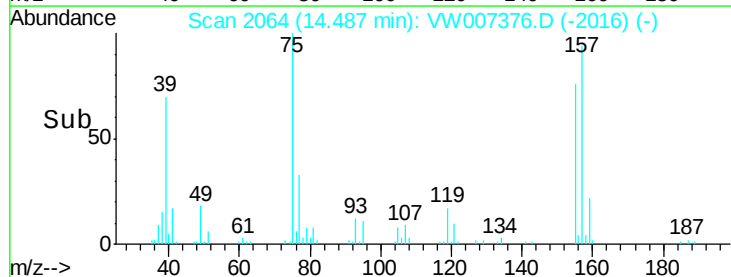
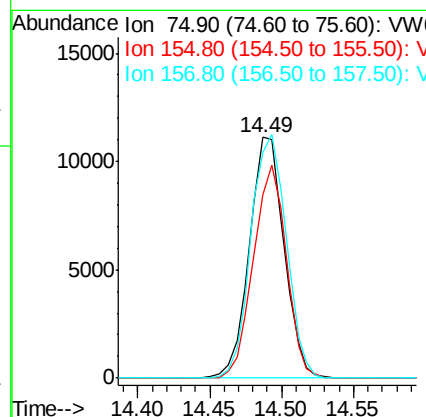
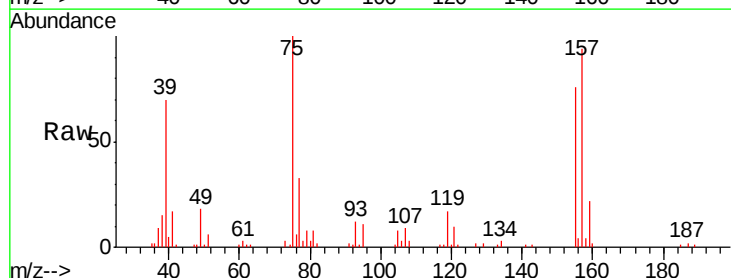
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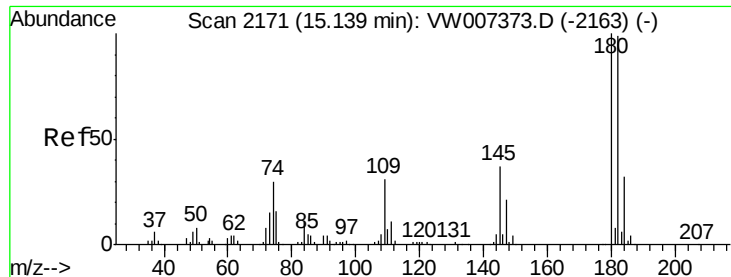
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 157.437 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007376.D
 Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	40.8	122.2
157	102.8	51.1	153.4





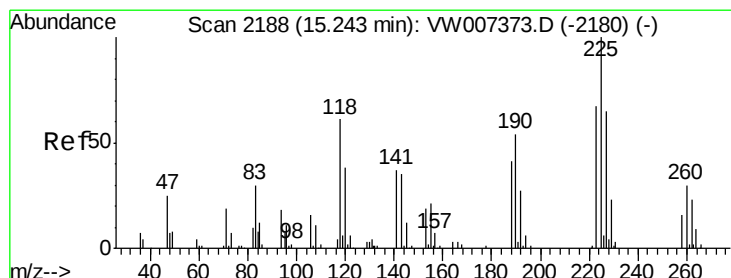
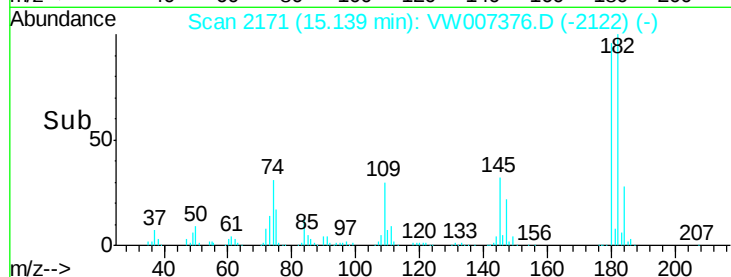
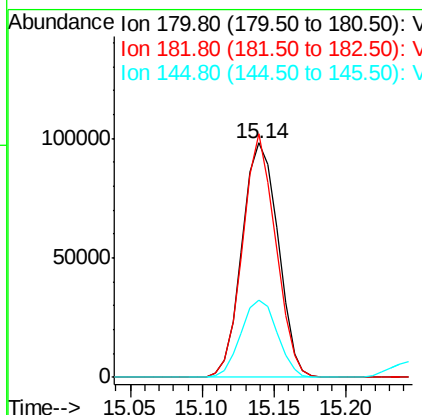
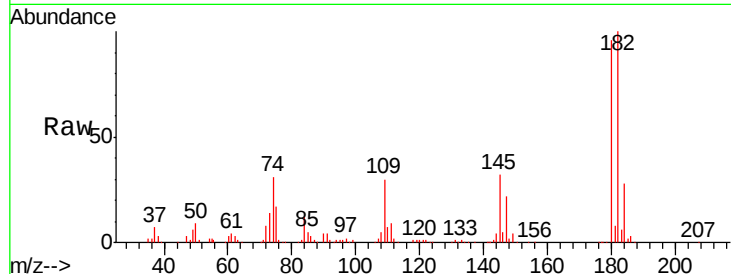
#93
1,2,4-Trichlorobenzene
Concen: 140.452 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	169836		
182	95.4	49.9	149.6	
145	33.6	17.8	53.4	

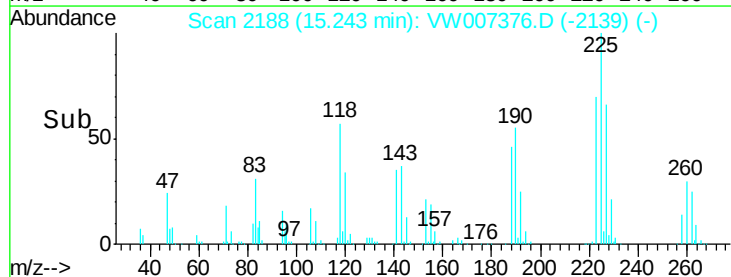
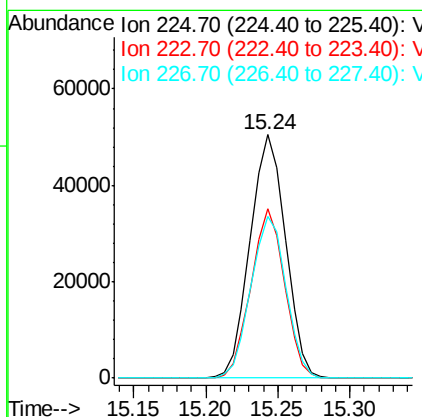
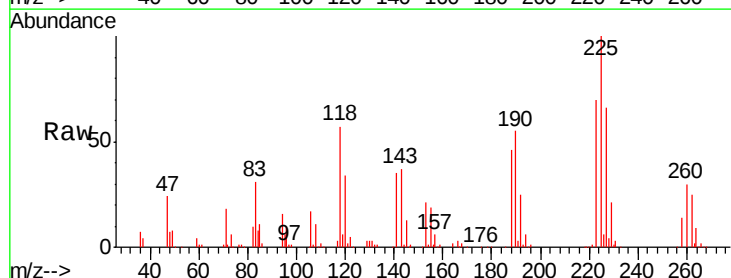
Manual Integrations
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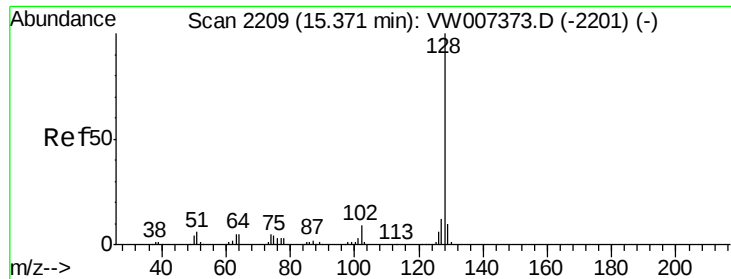
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#94
Hexachlorobutadiene
Concen: 131.807 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86135		
223	65.9	32.1	96.3	
227	65.4	31.9	95.9	





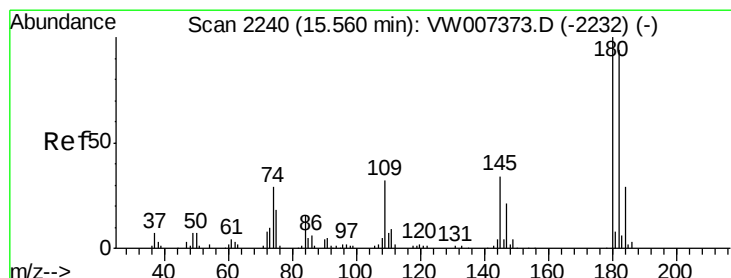
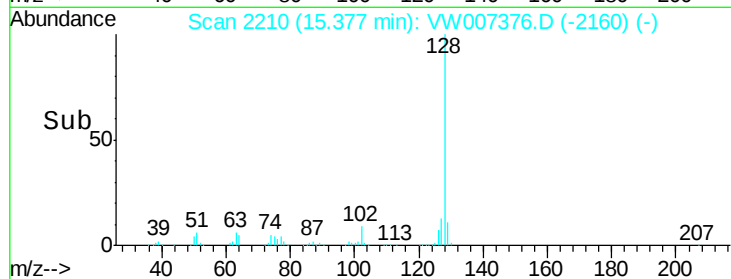
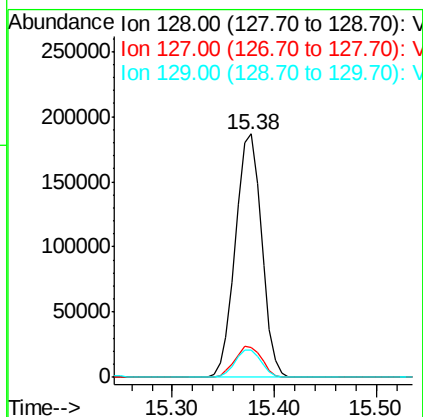
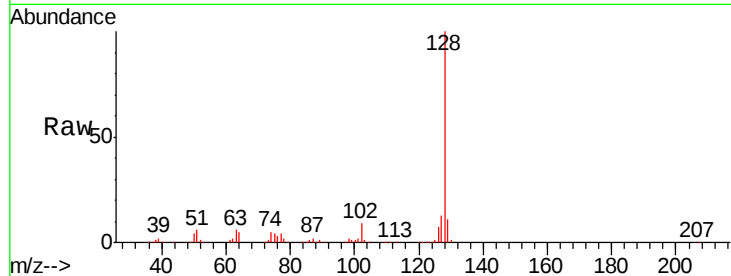
#95
Naphthalene
Concen: 151.070 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	332407		
127	13.2	10.2	15.4	
129	11.2	8.3	12.5	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 144.249 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007376.D
Acq: 11 Dec 2018 01:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	149340		
182	93.4	45.6	136.7	
145	35.2	17.5	52.5	

