

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007473.D
 Acq On : 13 Dec 2018 07:50
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 11:24:09 AM

Quant Time: Dec 13 08:21:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	134943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	121920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59874	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	46877	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
35) Dibromofluoromethane	7.88	113	43541	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
50) Toluene-d8	10.32	98	164970	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
62) 4-Bromofluorobenzene	12.62	95	62904	55.86	ug/l	0.00
Spiked Amount			Recovery	=	111.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25633	45.896	ug/l	98
3) Chloromethane	2.22	50	21855	46.724	ug/l	98
4) Vinyl Chloride	2.37	62	27291	49.718	ug/l	94
5) Bromomethane	2.78	94	19373	52.529	ug/l	92
6) Chloroethane	2.93	64	16340	54.078	ug/l	98
7) Trichlorofluoromethane	3.26	101	23555	47.731	ug/l	99
8) Diethyl Ether	3.68	74	20051	51.912	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37914	46.561	ug/l	95
10) Methyl Iodide	4.26	142	68549	50.828	ug/l	99
11) Tert butyl alcohol	5.17	59	14904	244.747	ug/l	98
12) 1,1-Dichloroethene	4.03	96	38777	49.460	ug/l	97
13) Acrolein	3.89	56	10531	261.353	ug/l	96
14) Allyl chloride	4.67	41	56991	49.315	ug/l	100
15) Acrylonitrile	5.37	53	42361	260.159	ug/l	99
16) Acetone	4.12	43	37010	238.967	ug/l	98
17) Carbon Disulfide	4.37	76	115184	48.454	ug/l	98
18) Methyl Acetate	4.67	43	21650	51.505	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	63963	54.081	ug/l	99
20) Methylene Chloride	4.91	84	43271	51.184	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	43501	49.600	ug/l	96
22) Diisopropyl ether	6.31	45	115160	51.843	ug/l	97
23) Vinyl Acetate	6.25	43	323864	260.663	ug/l	99
24) 1,1-Dichloroethane	6.21	63	75286	50.147	ug/l	99
25) 2-Butanone	7.17	43	52360	258.965	ug/l	100
26) 2,2-Dichloropropane	7.17	77	46265	46.563	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	48875	50.895	ug/l	99
28) Bromochloromethane	7.51	49	30274	53.610	ug/l	98
29) Tetrahydrofuran	7.52	42	33356	260.595	ug/l	97
30) Chloroform	7.67	83	82609	50.563	ug/l	99
31) Cyclohexane	7.95	56	61839	44.895	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	71751	50.080	ug/l	99
36) 1,1-Dichloropropene	8.08	75	61378	49.860	ug/l	99
37) Ethyl Acetate	7.25	43	22608	49.378	ug/l	99
38) Carbon Tetrachloride	8.07	117	67063	50.069	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73670	49.423	ug/l	94
40) Benzene	8.32	78	173144	50.683	ug/l	99
41) Methacrylonitrile	7.49	41	16002	61.375	ug/l	91
42) 1,2-Dichloroethane	8.40	62	55545	51.759	ug/l	98
43) Isopropyl Acetate	8.43	43	47268	52.265	ug/l	99
44) Trichloroethene	9.09	130	49786	51.035	ug/l	99
45) 1,2-Dichloropropane	9.37	63	41428	52.404	ug/l	98
46) Dibromomethane	9.46	93	23668	52.719	ug/l	97
47) Bromodichloromethane	9.65	83	60847	51.671	ug/l	95
48) Methyl methacrylate	9.43	41	23272	50.103	ug/l	93
49) 1,4-Dioxane	9.45	88	8175	1122.255	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	117854	275.793	ug/l	98
52) Toluene	10.39	92	116352	52.629	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	60421	52.851	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	68135	51.555	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	32675	53.477	ug/l	97
56) Ethyl methacrylate	10.65	69	41382	56.347	ug/l	99
57) 1,3-Dichloropropane	10.93	76	55436	55.276	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	98126	289.735	ug/l	100
59) 2-Hexanone	10.97	43	81685	286.672	ug/l	98
60) Dibromochloromethane	11.13	129	42087	54.581	ug/l	98
61) 1,2-Dibromoethane	11.24	107	33022	54.688	ug/l	95
64) Tetrachloroethene	10.87	164	43560	49.683	ug/l	93
65) Chlorobenzene	11.66	112	129854	51.099	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	46343	51.779	ug/l	99
67) Ethyl Benzene	11.73	91	226085	51.747	ug/l	94
68) m/p-Xylenes	11.84	106	175011	103.039	ug/l	100
69) o-Xylene	12.17	106	83884	52.881	ug/l	98
70) Styrene	12.18	104	138961	54.236	ug/l	98
71) Bromoform	12.35	173	23840	52.041	ug/l #	100
73) Isopropylbenzene	12.47	105	230202	50.177	ug/l	98
74) N-amyl acetate	12.27	43	44016	52.790	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	36267	53.373	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	27402m	55.506	ug/l	
77) Bromobenzene	12.75	156	52580	51.705	ug/l	96
78) n-propylbenzene	12.81	91	269024	52.105	ug/l	100
79) 2-Chlorotoluene	12.90	91	158603	50.768	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	199151	51.662	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10870	48.639	ug/l	93
82) 4-Chlorotoluene	12.99	91	165652	50.303	ug/l	97
83) tert-Butylbenzene	13.21	119	175821	51.763	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	199954	50.406	ug/l	99
85) sec-Butylbenzene	13.39	105	238828	51.506	ug/l	95
86) p-Isopropyltoluene	13.50	119	213483	51.249	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	101962	50.288	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	102124	50.101	ug/l	98
89) n-Butylbenzene	13.83	91	196127	50.787	ug/l	98
90) Hexachloroethane	14.10	117	37975	51.235	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	93991	51.757	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6932	50.835	ug/l	95

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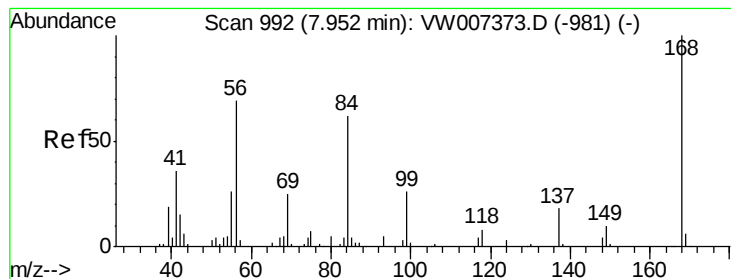
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62027	49.631	ug/l	96
94) Hexachlorobutadiene	15.24	225	31720	47.836	ug/l	98
95) Naphthalene	15.37	128	126132	52.757	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	54576	50.271	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

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VSTDCCC050

Tot Ion:168 Resp: 79922

Ion Ratio Lower Upper

168 100

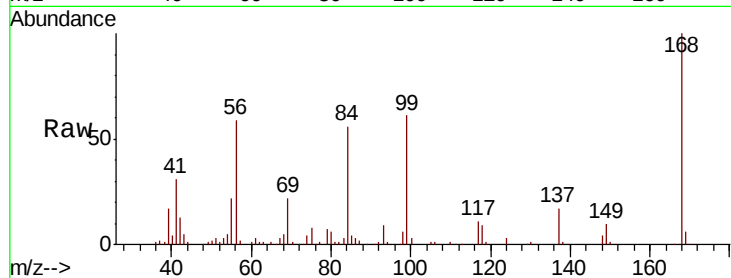
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Manual Integrations

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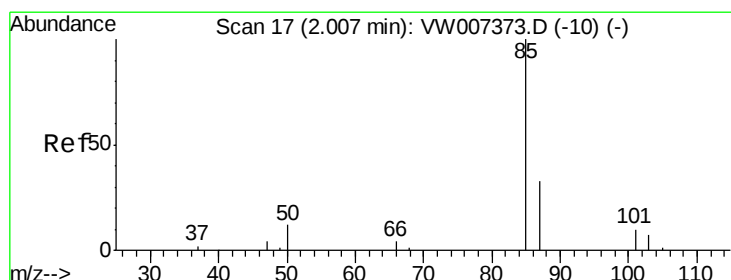
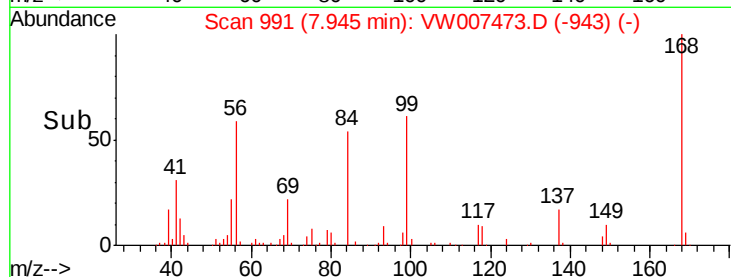
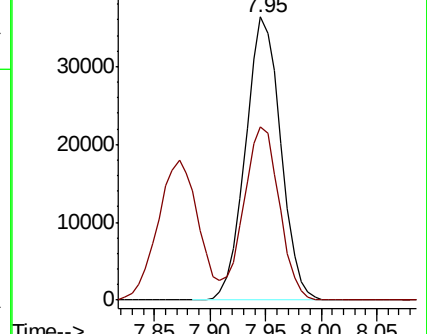
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.896 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007473.D

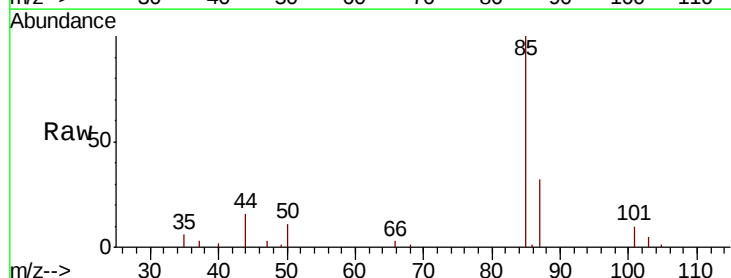
Acq: 13 Dec 2018 07:50

Tgt Ion: 85 Resp: 25633

Ion Ratio Lower Upper

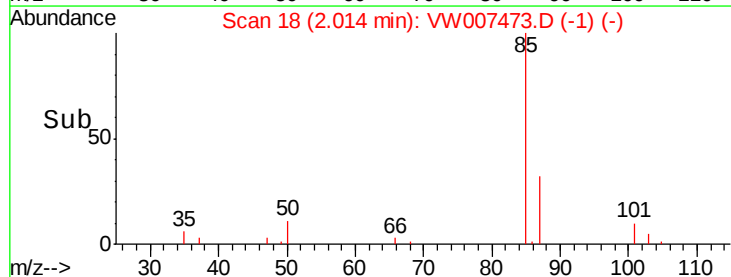
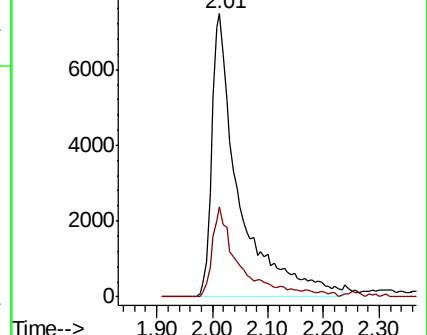
85 100

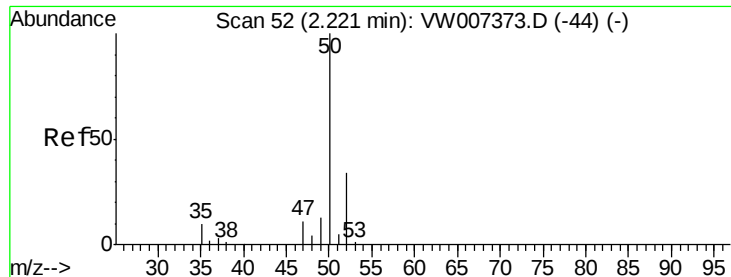
87 31.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.724 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 21855

Ion Ratio Lower Upper

50 100

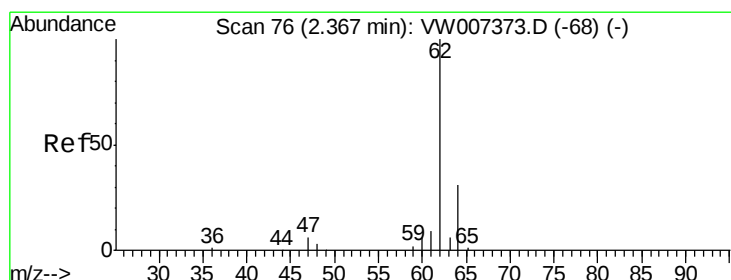
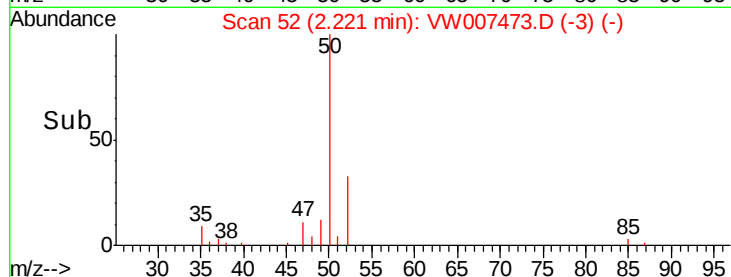
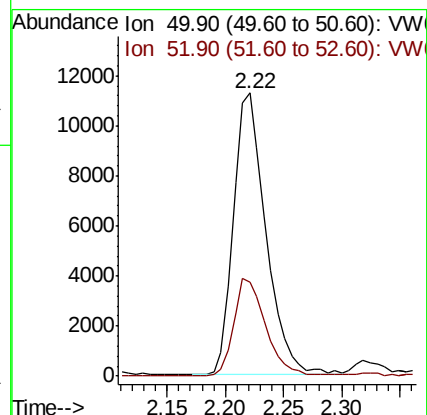
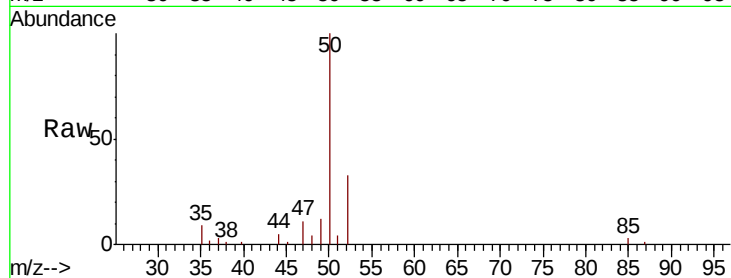
52 33.3 27.4 41.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.718 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007473.D

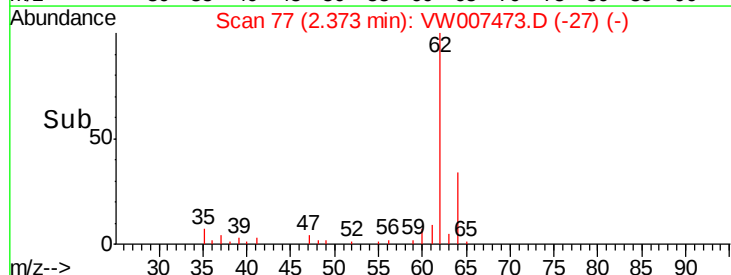
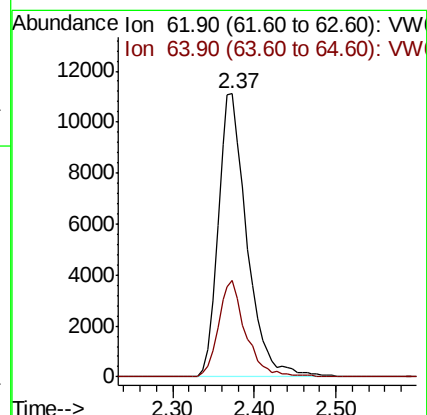
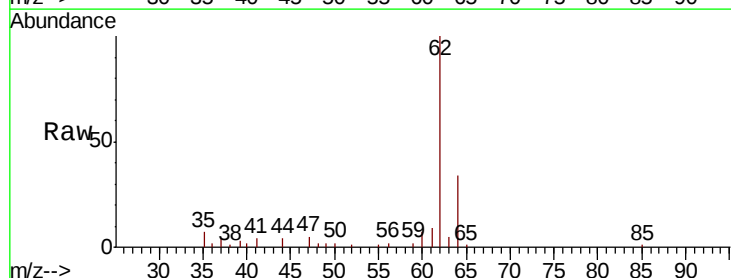
Acq: 13 Dec 2018 07:50

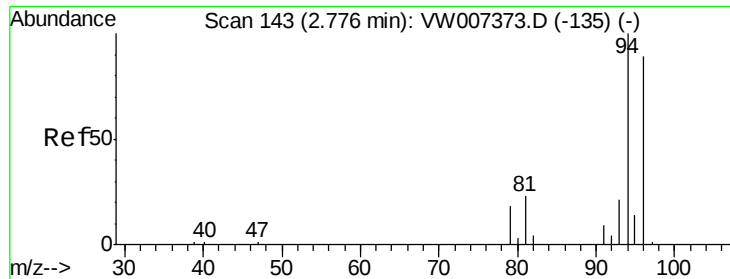
Tgt Ion: 62 Resp: 27291

Ion Ratio Lower Upper

62 100

64 34.3 24.6 37.0





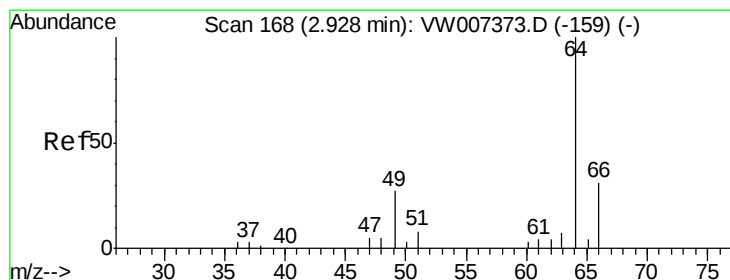
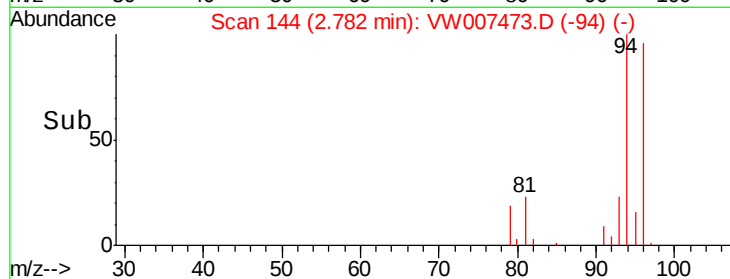
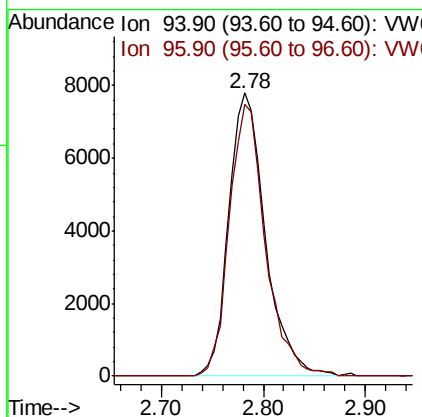
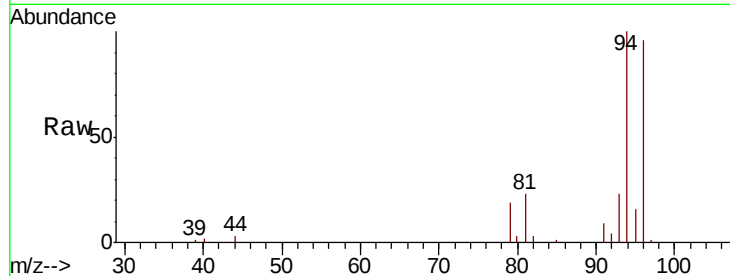
#5
Bromomethane
Concen: 52.529 ug/l
RT: 2.78 min Scan# 144
Delta R.T. 0.01 min
Lab File: VW007473.D
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Tot Ion: 94 Resp: 19373
Ion Ratio Lower Upper
94 100
96 95.9 71.0 106.4

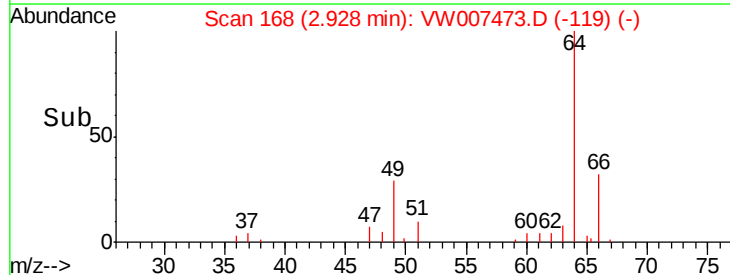
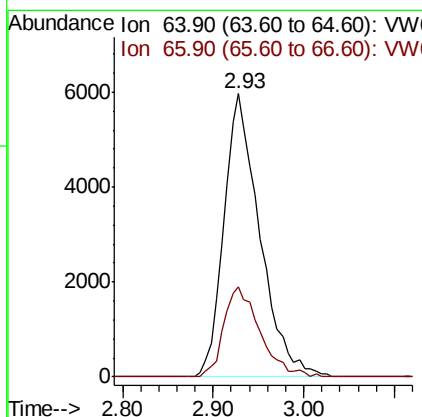
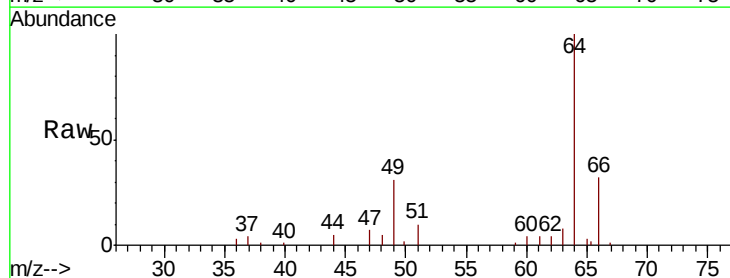
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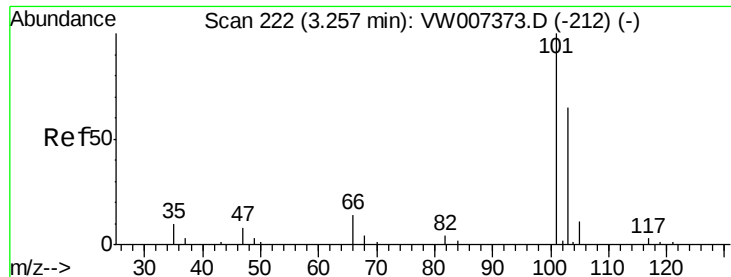
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#6
Chloroethane
Concen: 54.078 ug/l
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion: 64 Resp: 16340
Ion Ratio Lower Upper
64 100
66 31.7 24.6 37.0





#7

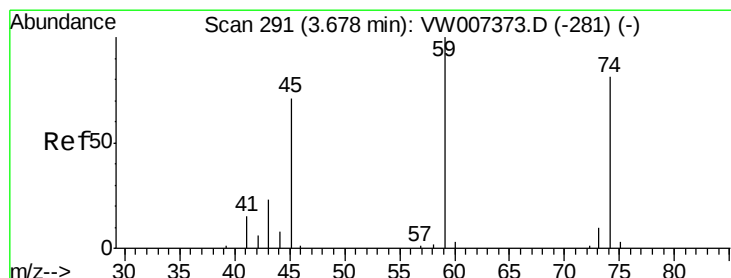
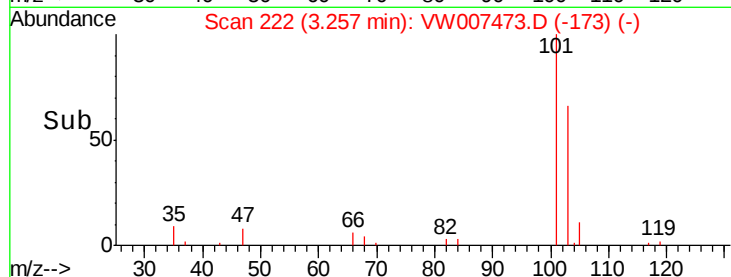
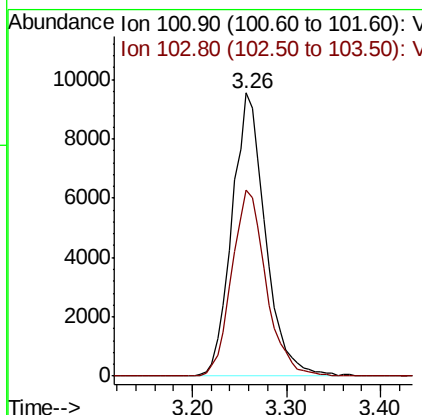
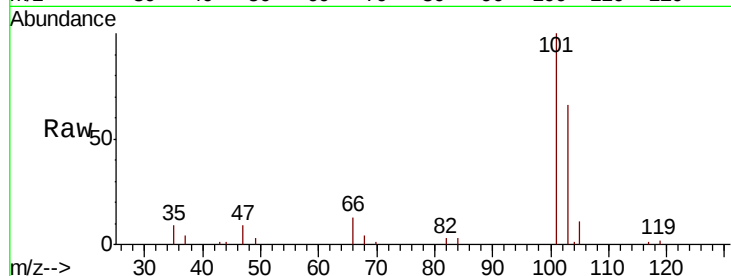
Trichlorofluoromethane
Concen: 47.731 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
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VSTDCCC050

Tot Ion:101 Resp: 23555
Ion Ratio Lower Upper
101 100
103 65.7 51.7 77.5

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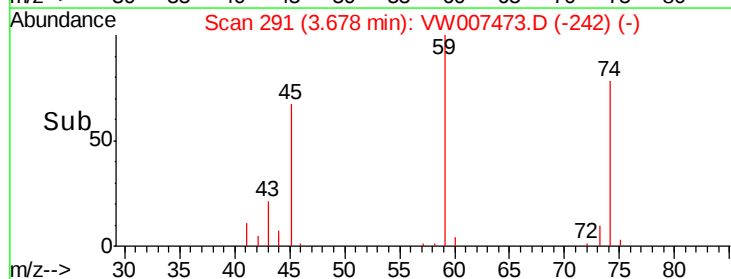
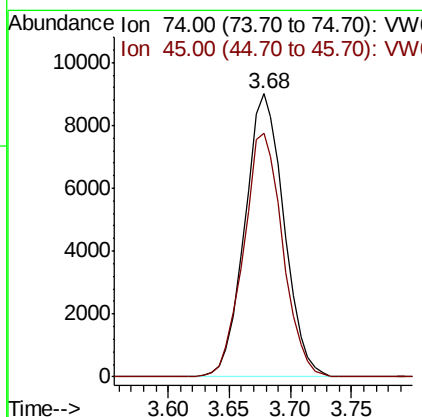
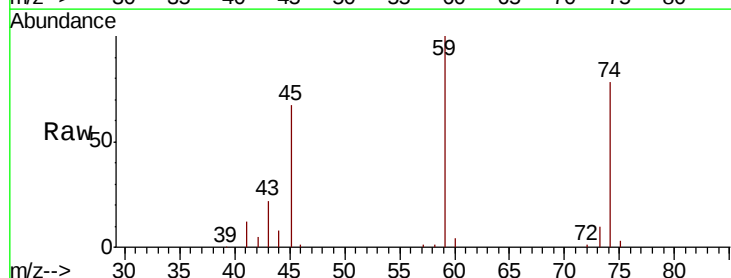
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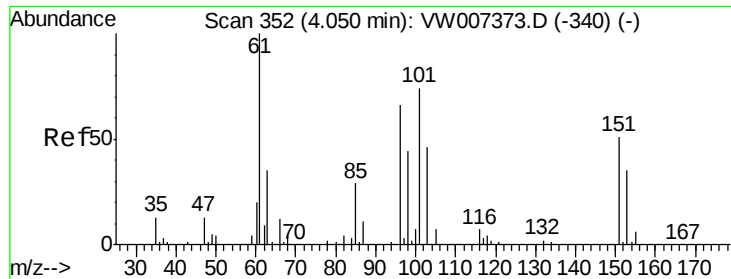


#8

Diethyl Ether
Concen: 51.912 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion: 74 Resp: 20051
Ion Ratio Lower Upper
74 100
45 86.1 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.561 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007473.D

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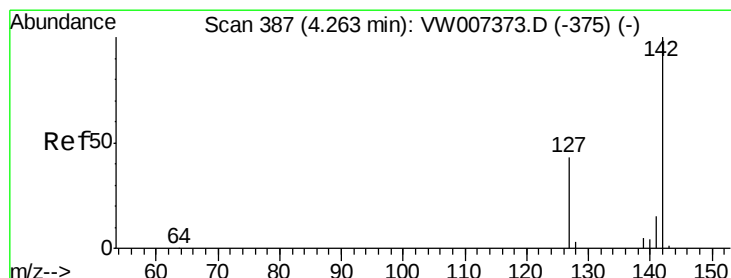
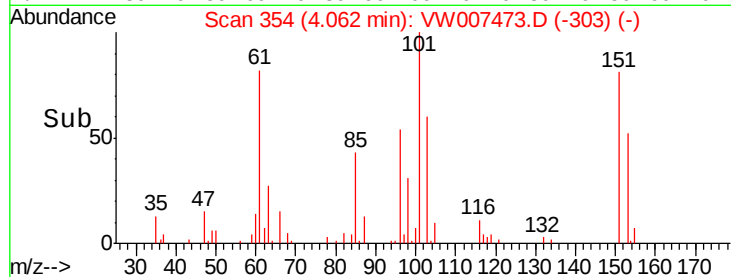
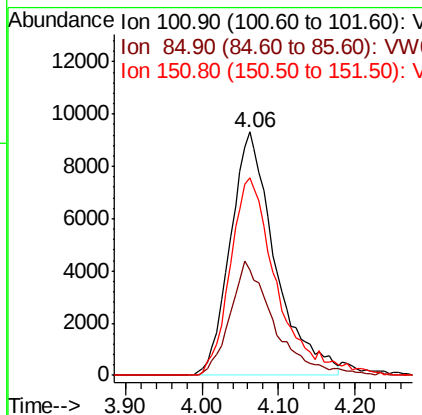
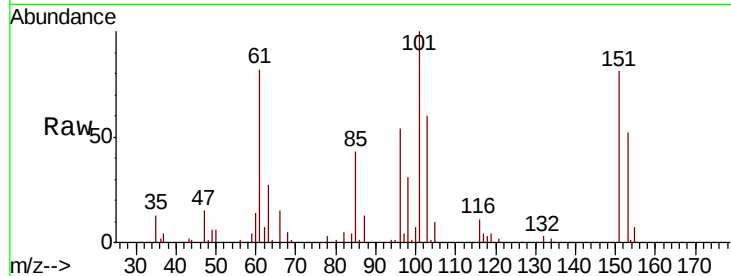
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	37914
Ion Ratio	Lower	Upper	
101	100		
85	45.9	33.9	50.9
151	84.3	63.7	95.5

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#10

Methyl Iodide

Concen: 50.828 ug/l

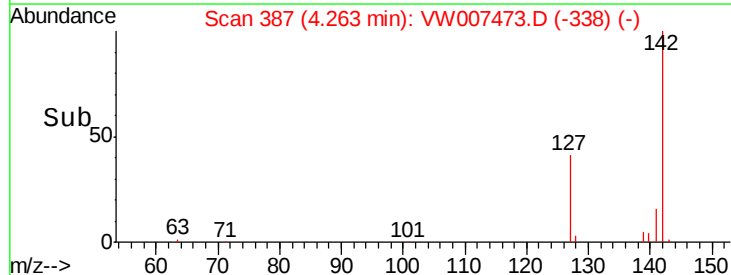
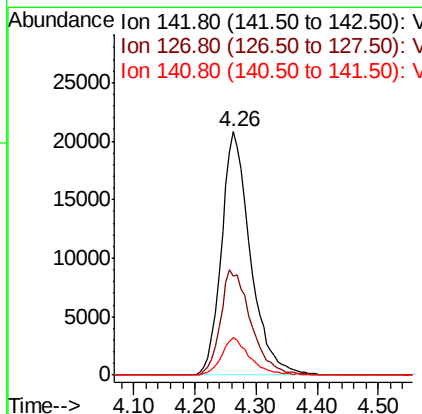
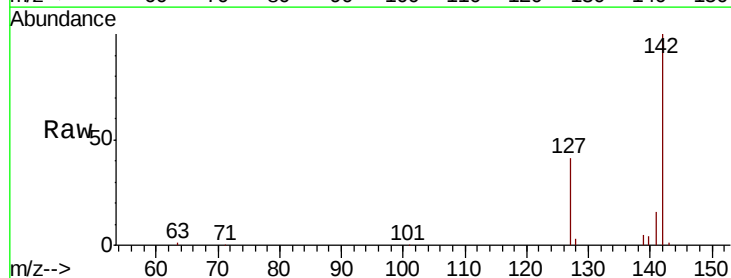
RT: 4.26 min Scan# 387

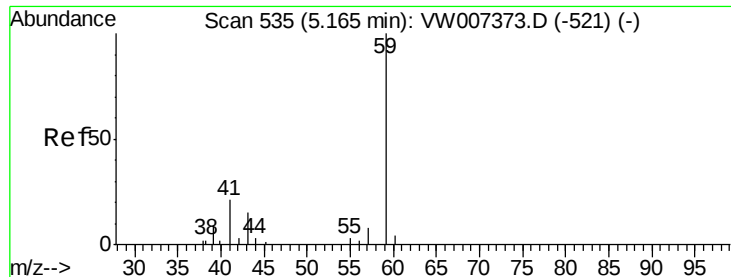
Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Tgt Ion:	142	Resp:	68549
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.8	53.6
141	14.9	11.1	16.7





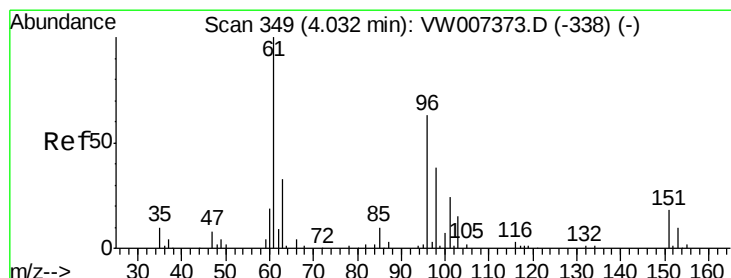
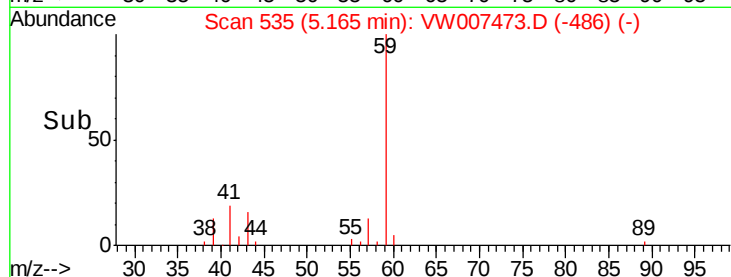
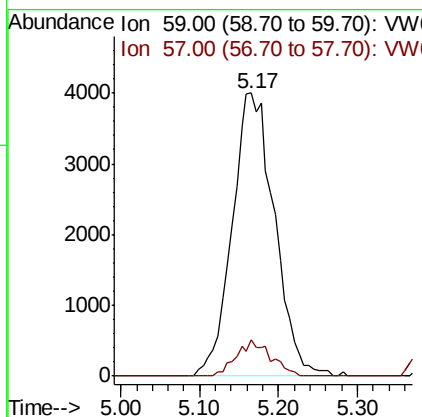
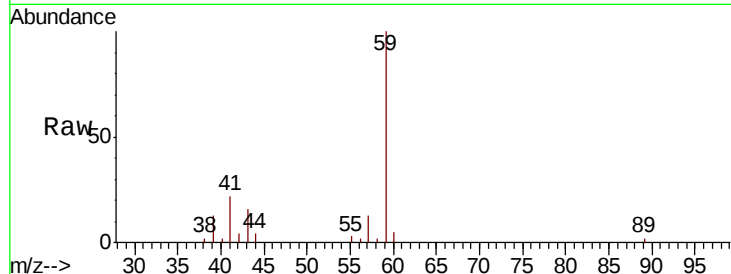
#11
Tert butyl alcohol
Concen: 244.747 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 14904
Ion Ratio Lower Upper
59 100
57 10.3 7.6 11.4

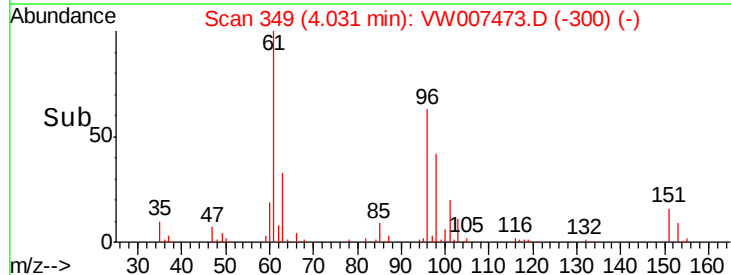
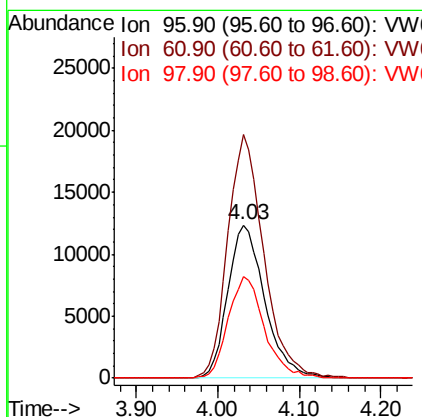
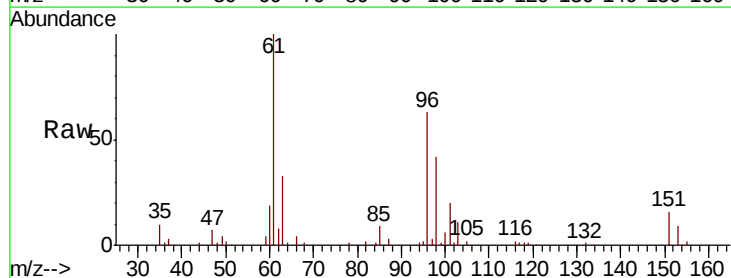
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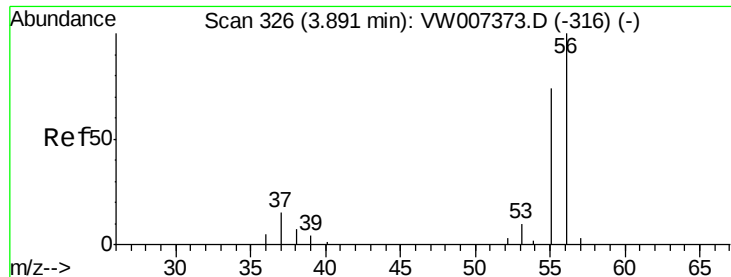
MMDadoda
12/14/2018 11:24:09 AM



#12
1,1-Dichloroethene
Concen: 49.460 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion: 96 Resp: 38777
Ion Ratio Lower Upper
96 100
61 159.3 126.2 189.2
98 66.3 48.3 72.5





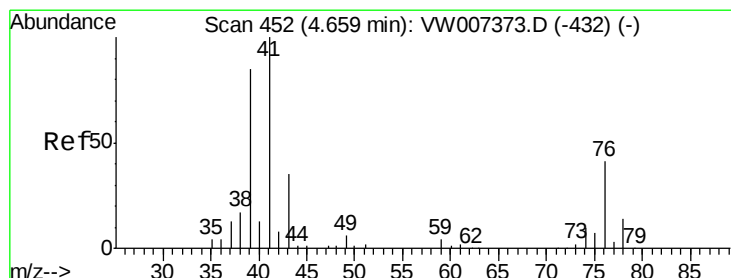
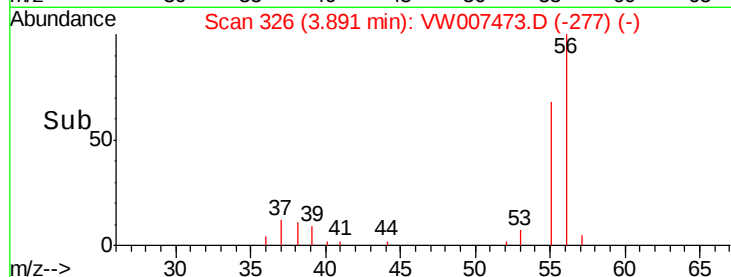
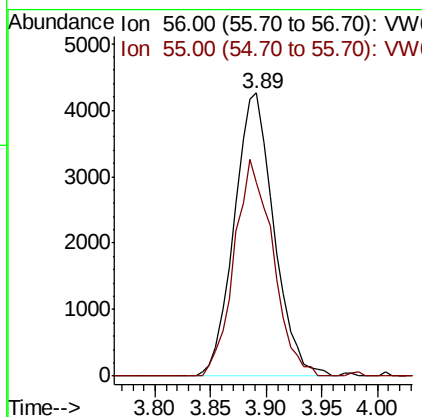
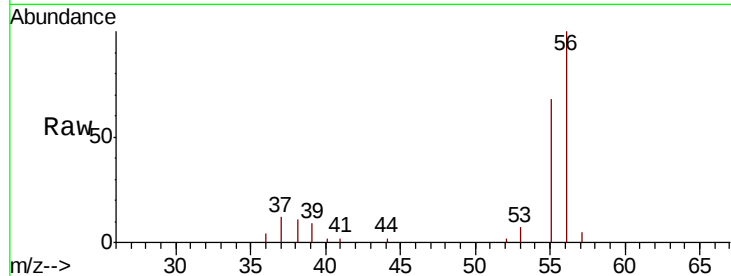
#13
Acrolein
Concen: 261.353 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	10531
Ion Ratio	Lower	Upper	
56	100		
55	74.7	57.4	86.2

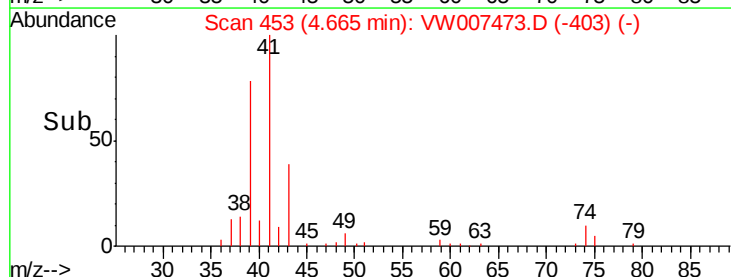
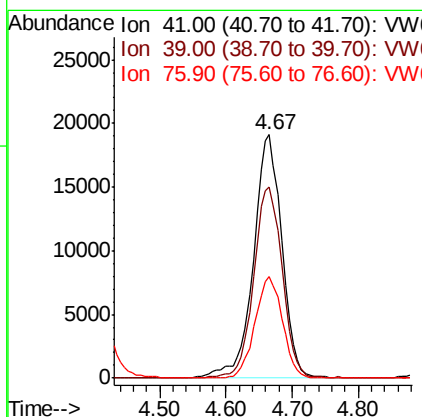
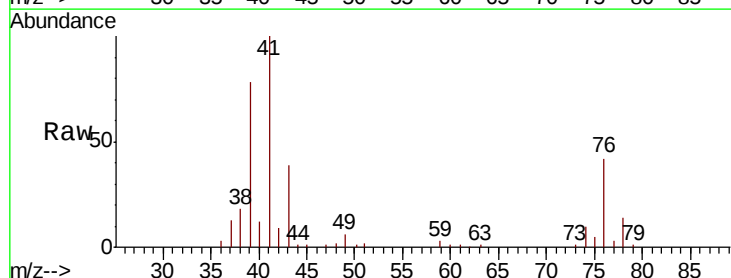
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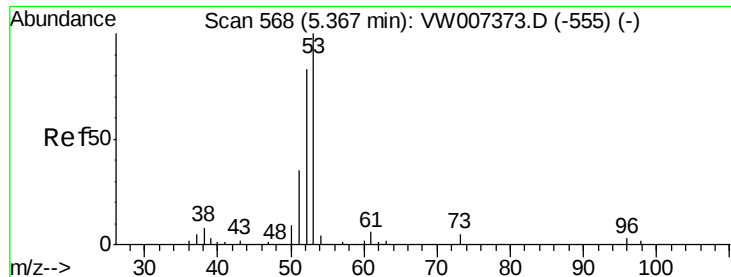
MMDadoda
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#14
Allyl chloride
Concen: 49.315 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	41	Resp	56991
Ion Ratio	Lower	Upper	
41	100		
39	79.4	63.4	95.2
76	40.3	32.1	48.1





#15

Acrylonitrile

Concen: 260.159 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

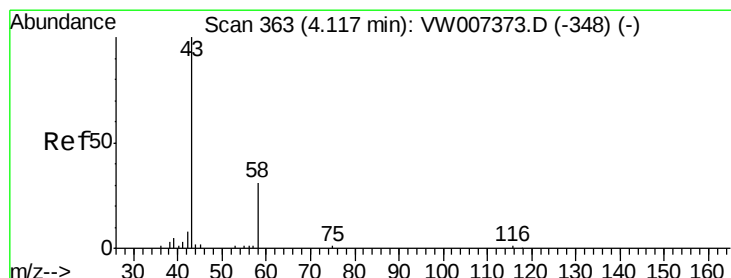
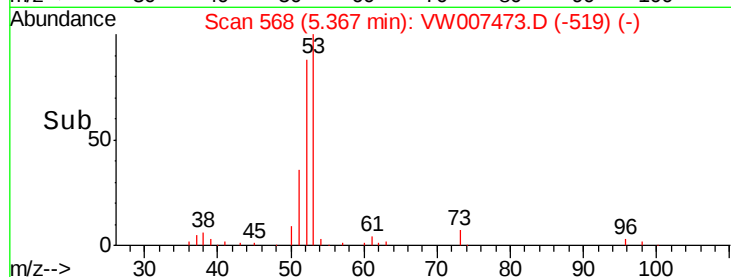
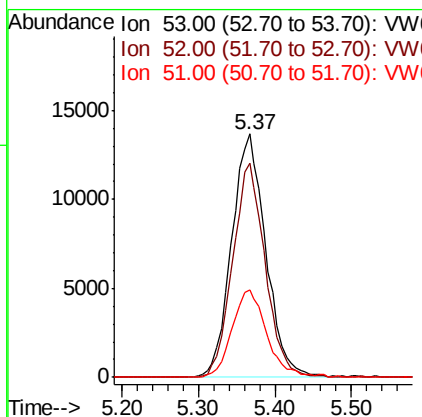
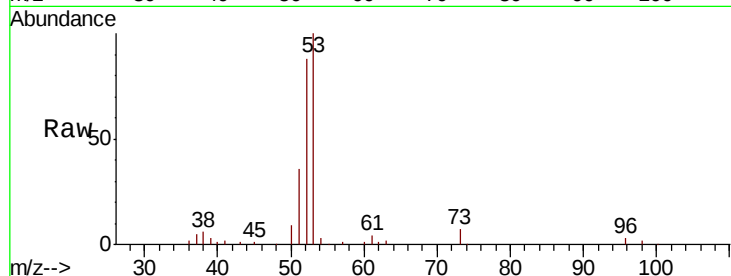
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	42361
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.4	101.2
51	36.1	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 238.967 ug/l

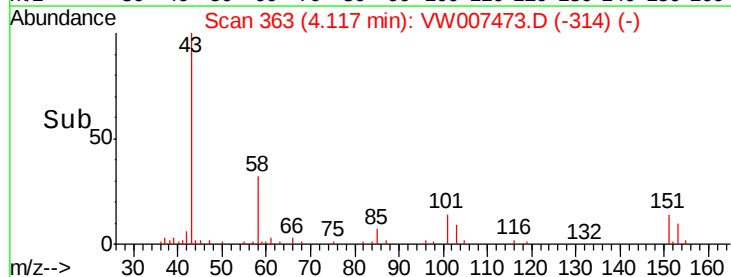
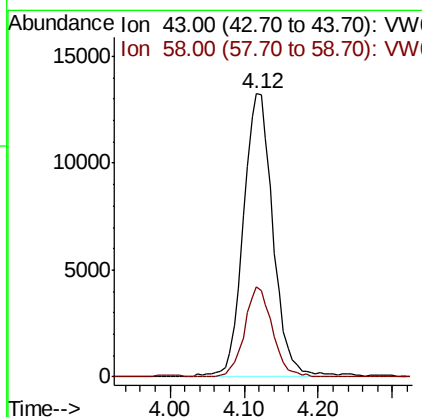
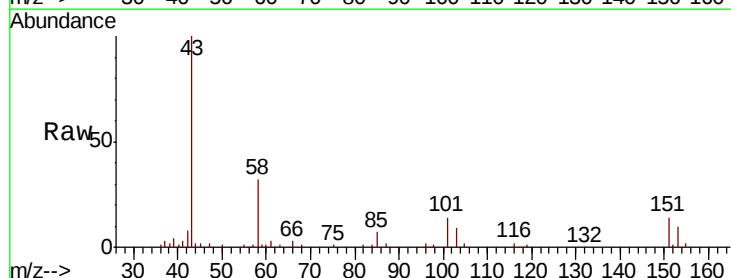
RT: 4.12 min Scan# 363

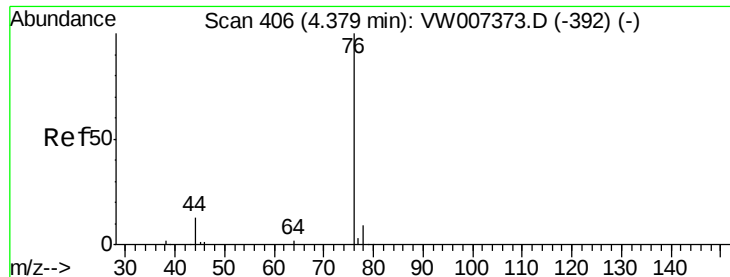
Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Tgt Ion:	43	Resp:	37010
Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.9	37.3





#17

Carbon Disulfide

Concen: 48.454 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 115184

Ion Ratio Lower Upper

76 100

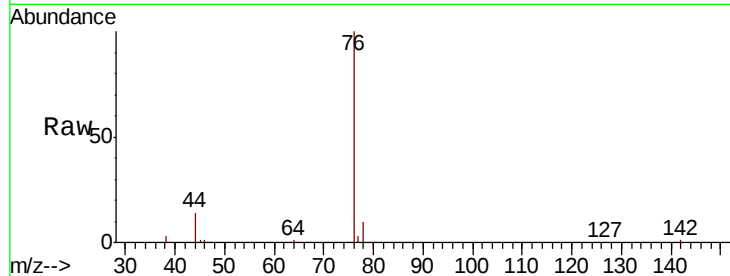
78 9.7 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

40000

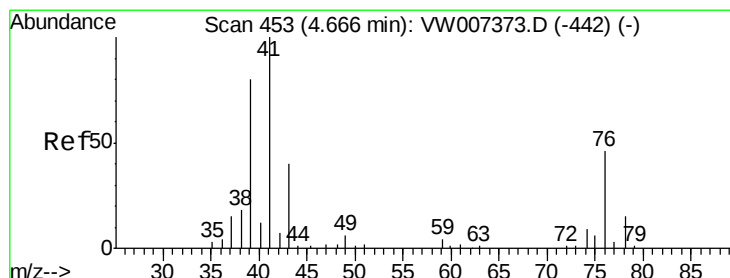
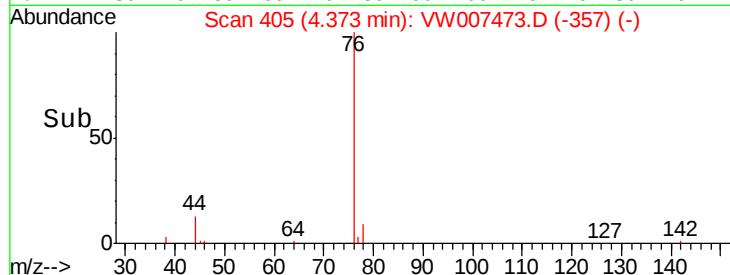
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 51.505 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007473.D

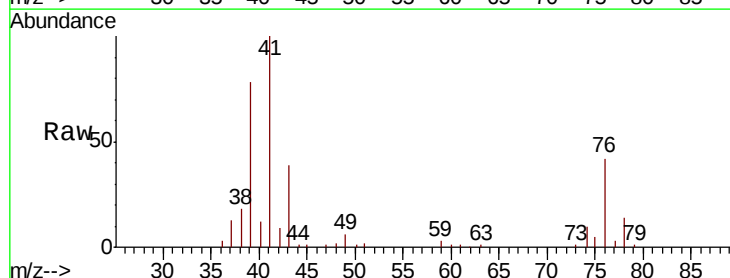
Acq: 13 Dec 2018 07:50

Tgt Ion: 43 Resp: 21650

Ion Ratio Lower Upper

43 100

74 26.1 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

8000

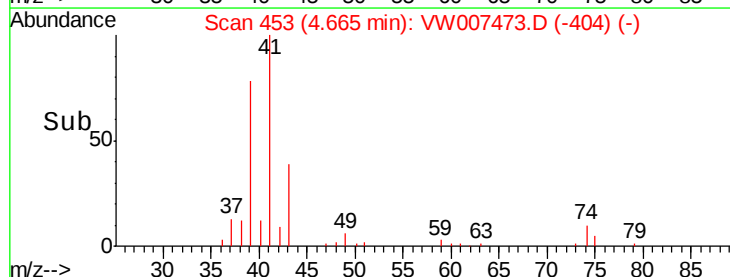
6000

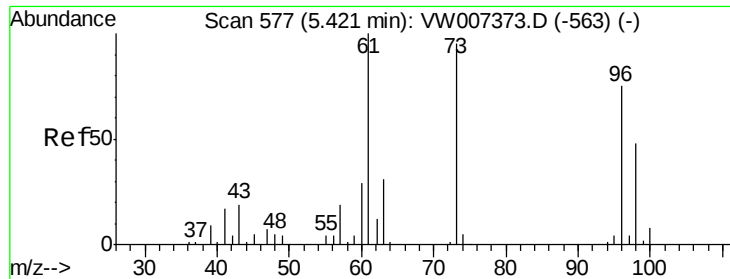
4000

2000

0

Time-->





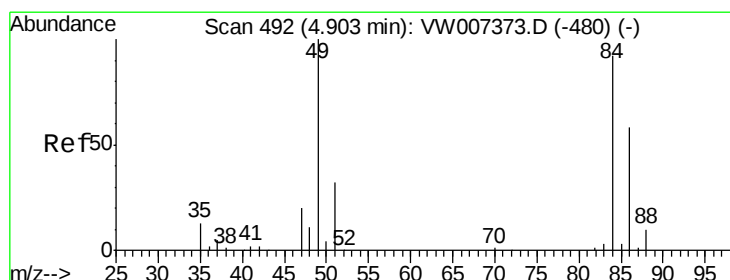
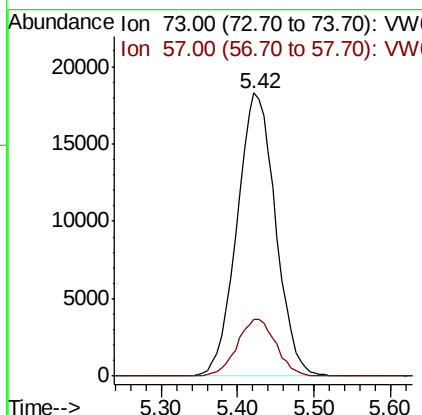
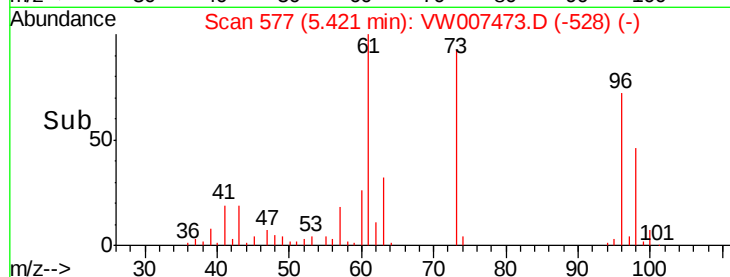
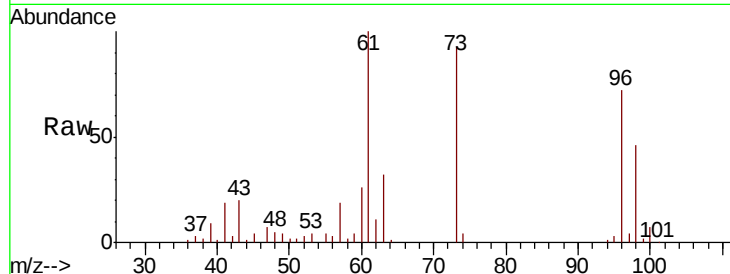
#19
Methvl tert-butvl Ether
Concen: 54.081 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 63963
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6

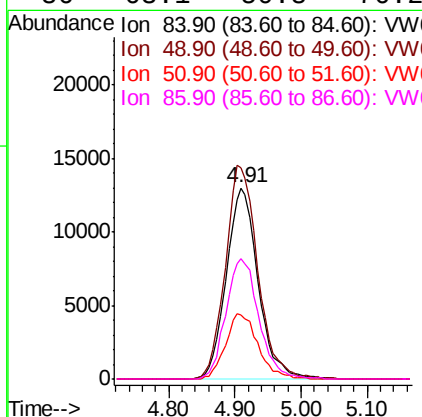
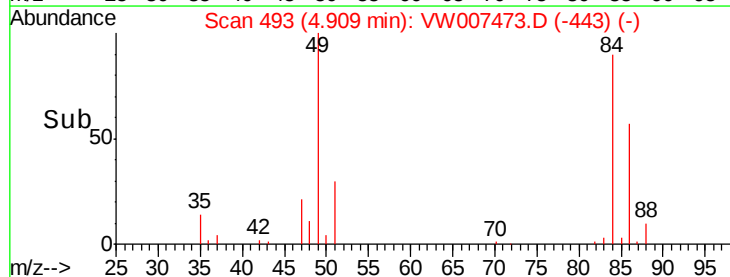
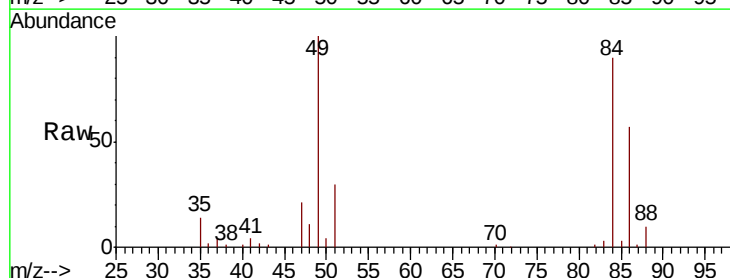
Manual Integrations
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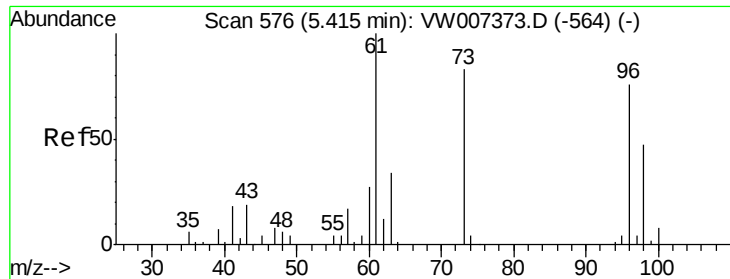
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#20
Methylene Chloride
Concen: 51.184 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion: 84 Resp: 43271
Ion Ratio Lower Upper
84 100
49 110.6 87.1 130.7
51 33.7 28.2 42.2
86 63.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.600 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 43501

Ion Ratio Lower Upper

96 100

61 136.5 105.0 157.6

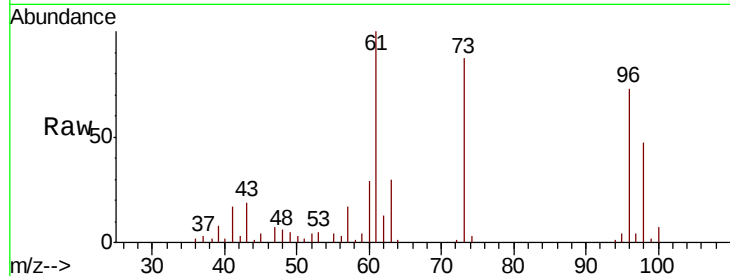
98 64.7 49.7 74.5

Manual Integrations

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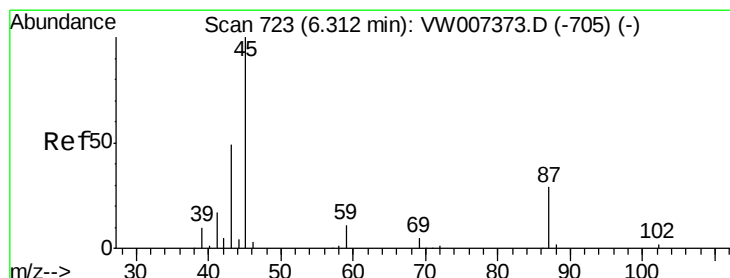
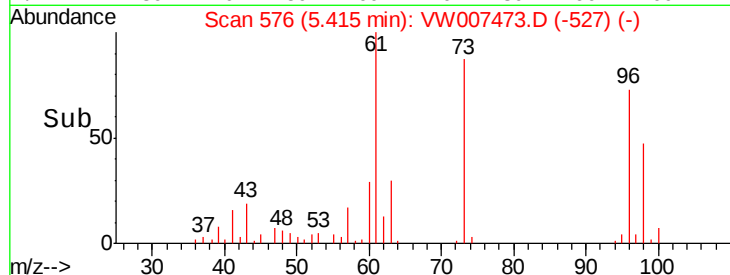
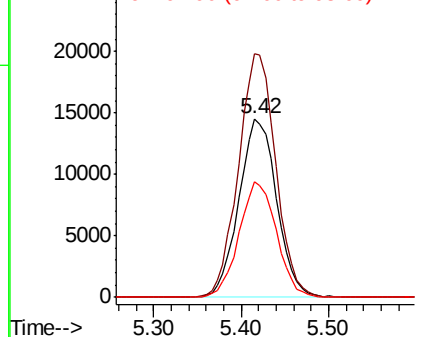


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 51.843 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Tgt Ion: 45 Resp: 115160

Ion Ratio Lower Upper

45 100

43 54.8 41.6 62.4

87 32.0 24.3 36.5

59 12.7 9.4 14.0

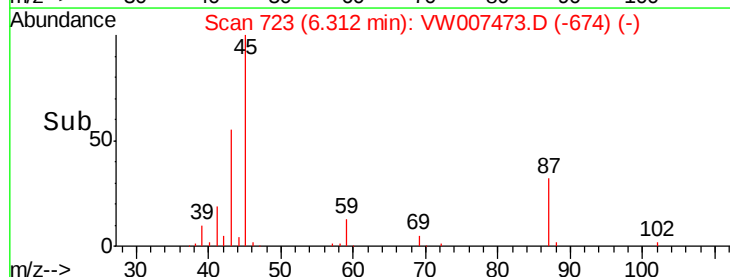
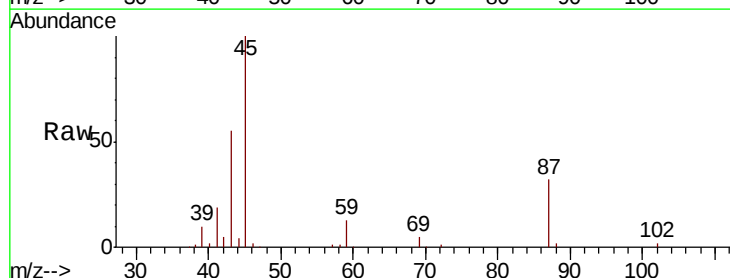
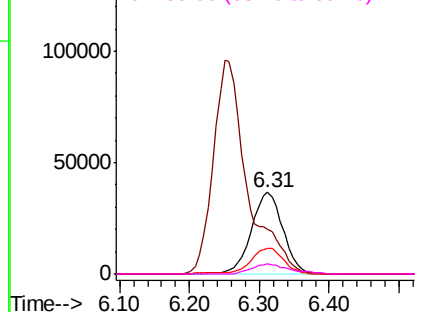
Abundance

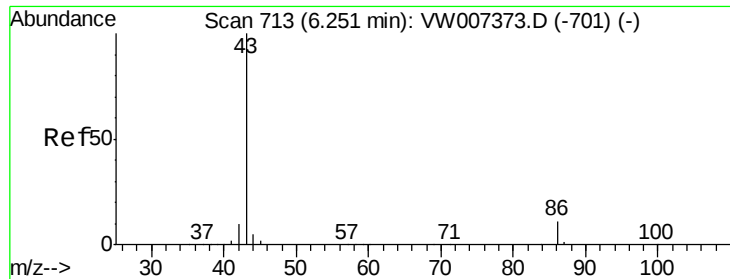
Ion 45.00 (44.70 to 45.70): VW

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: 260.663 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 323864

Ion Ratio Lower Upper

43 100

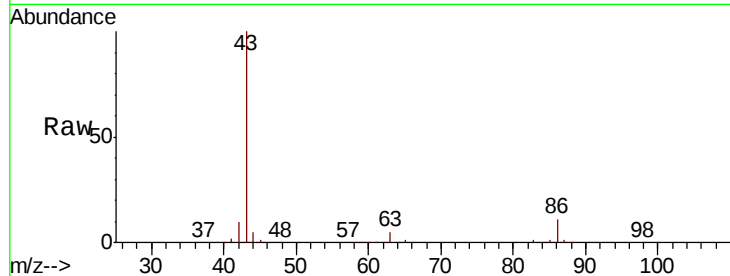
86 11.0 8.6 12.8

Manual Integrations

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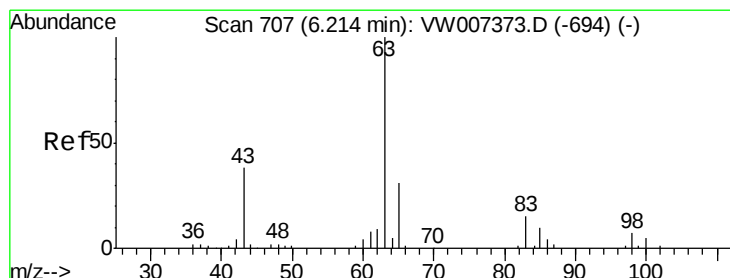
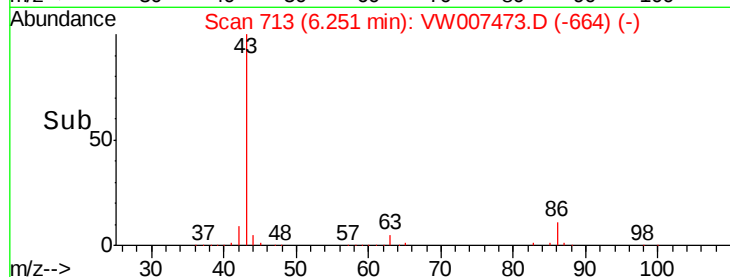
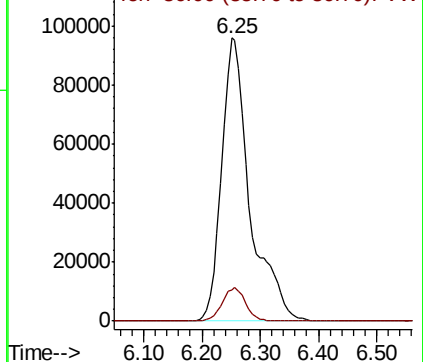
MMDadoda

12/14/2018 11:24:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 50.147 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

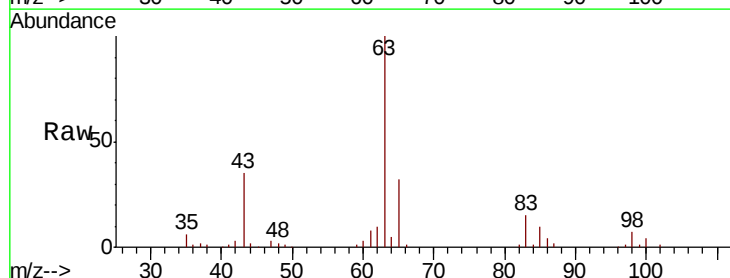
Tgt Ion: 63 Resp: 75286

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

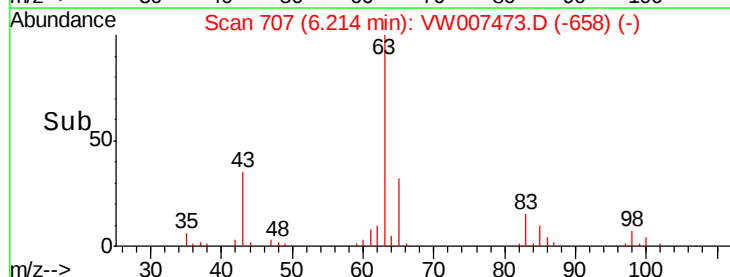
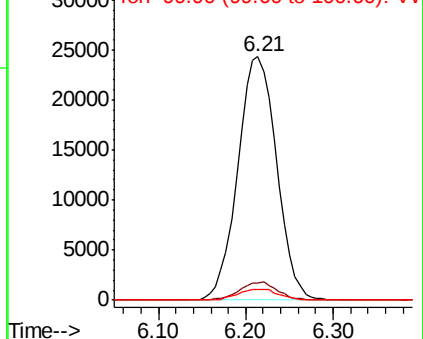
100 4.5 2.5 7.5

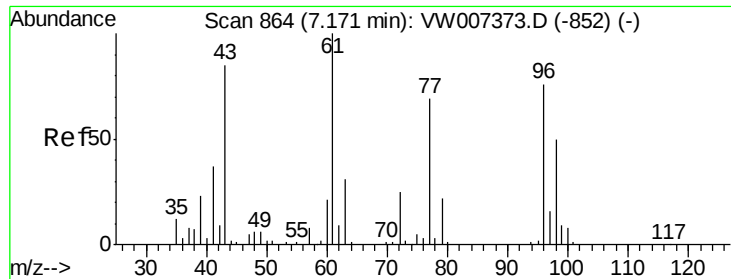


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





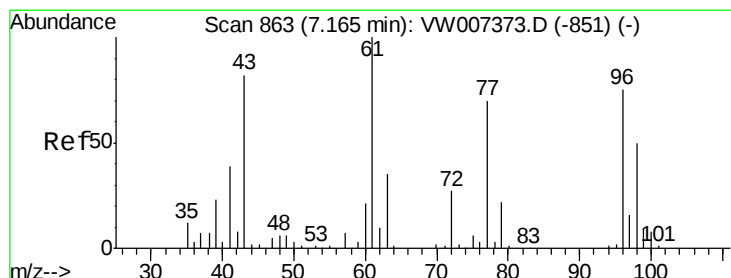
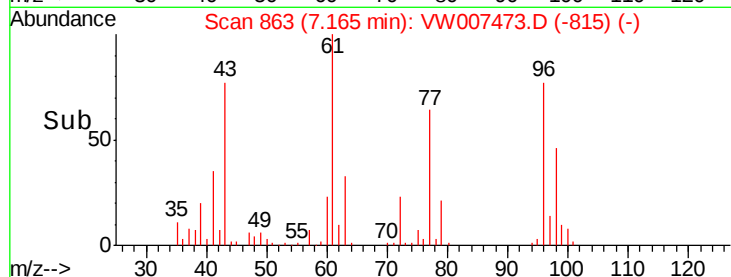
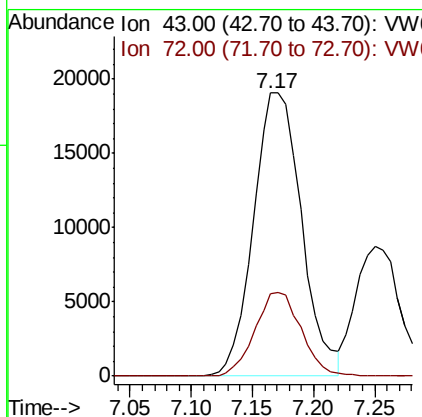
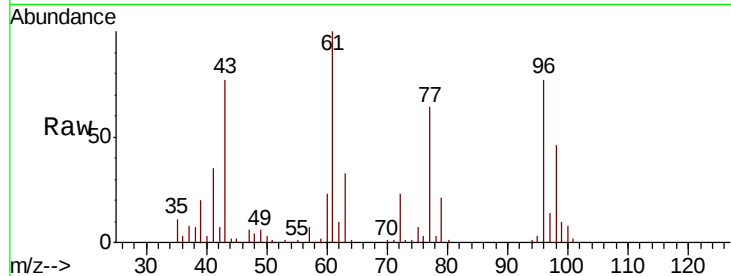
#25
2-Butanone
Concen: 258.965 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 52360
Ion Ratio Lower Upper
43 100
72 29.2 23.4 35.2

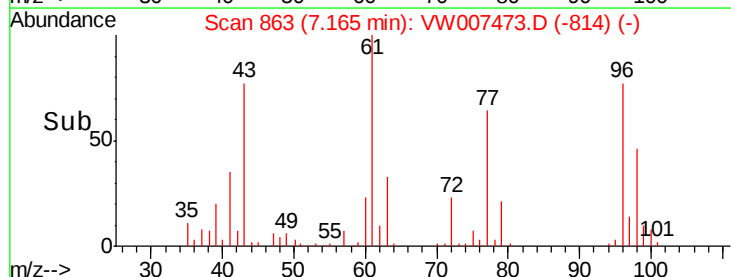
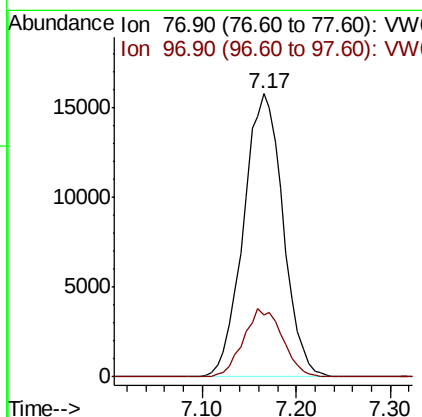
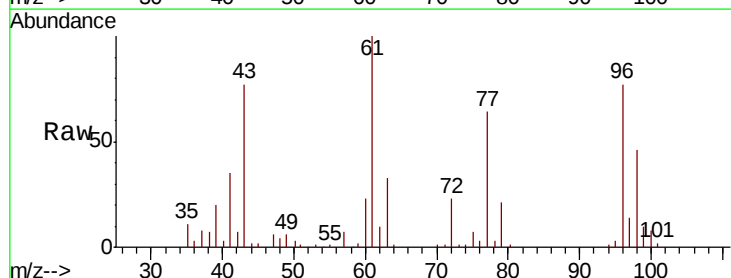
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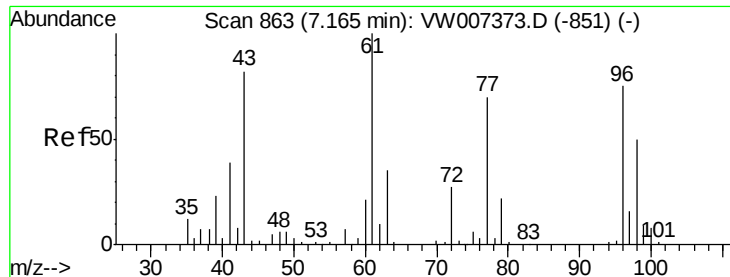
MMDadoda
12/14/2018 11:24:09 AM



#26
2,2-Dichloropropane
Concen: 46.563 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion: 77 Resp: 46265
Ion Ratio Lower Upper
77 100
97 23.7 11.6 34.8





#27

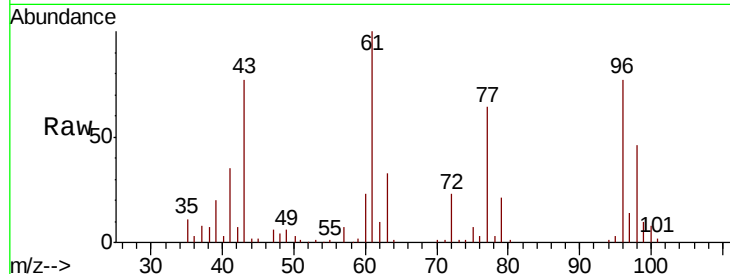
cis-1,2-Dichloroethene
Concen: 50.895 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

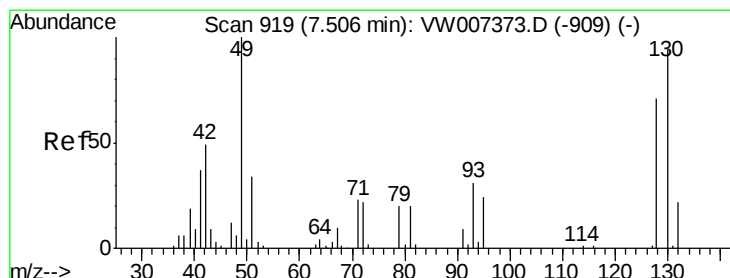
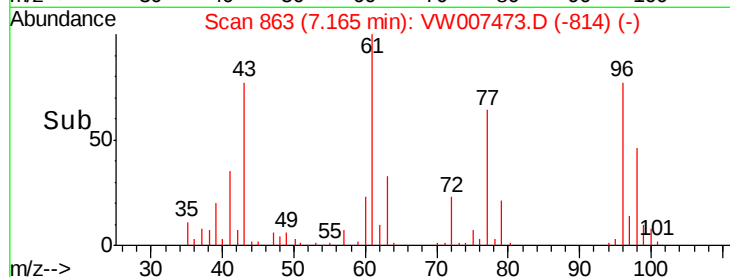
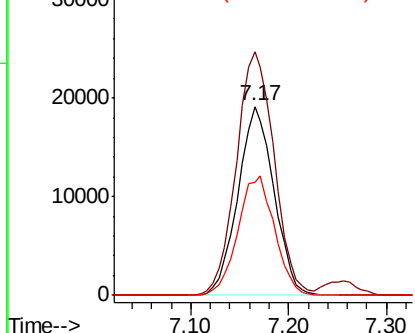
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.4	0.0	268.4
98	64.4	0.0	127.8

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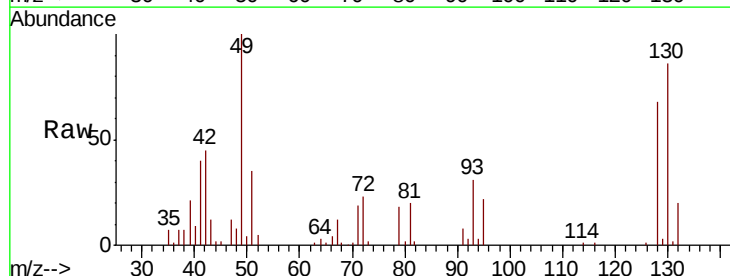
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



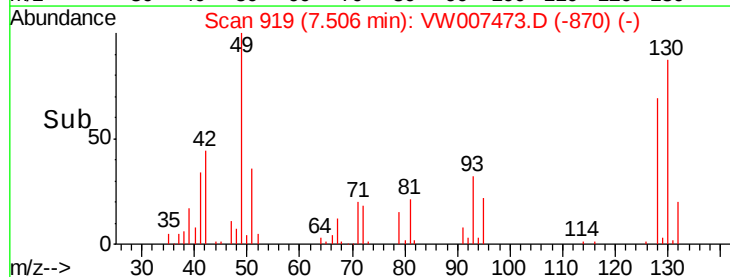
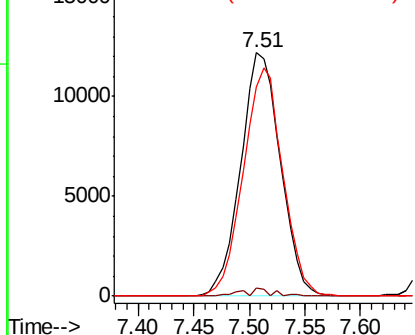
#28

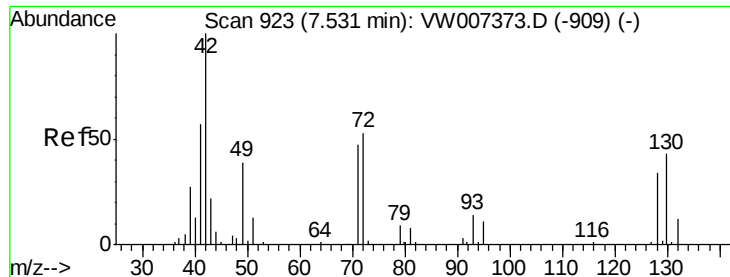
Bromochloromethane
Concen: 53.610 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.6
130	93.1	75.9	113.9



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





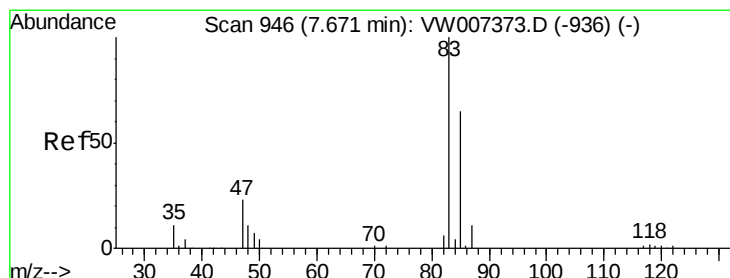
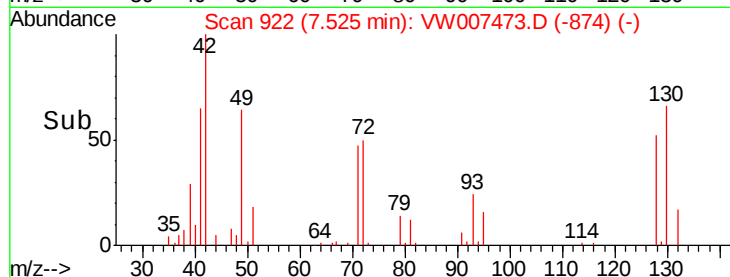
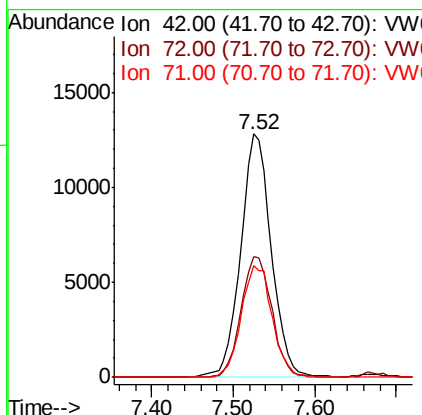
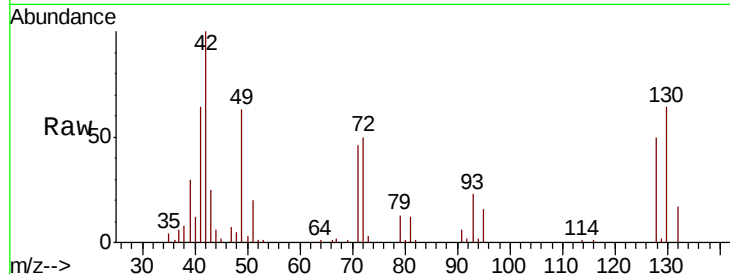
#29
Tetrahydrofuran
Concen: 260.595 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	38.2	57.4
71	46.2	35.5	53.3

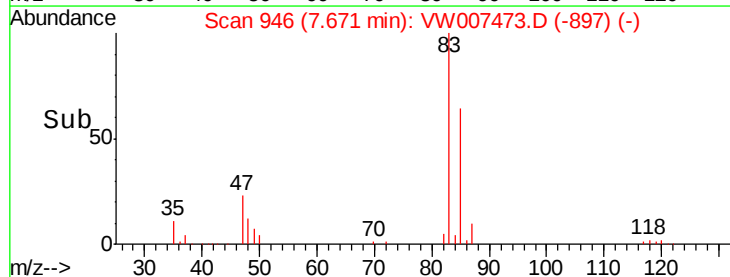
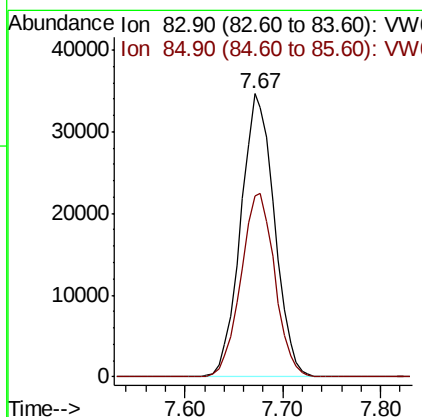
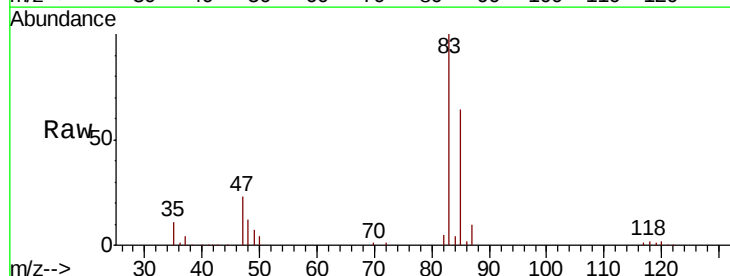
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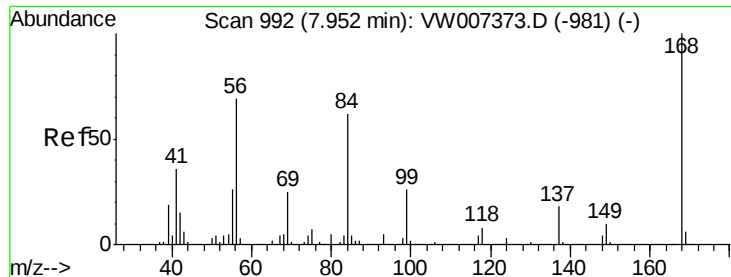
MMDadoda
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#30
Chloroform
Concen: 50.563 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





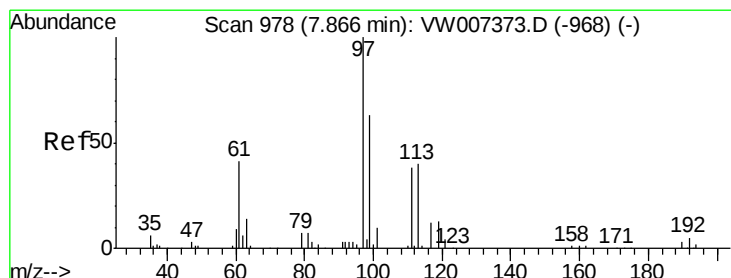
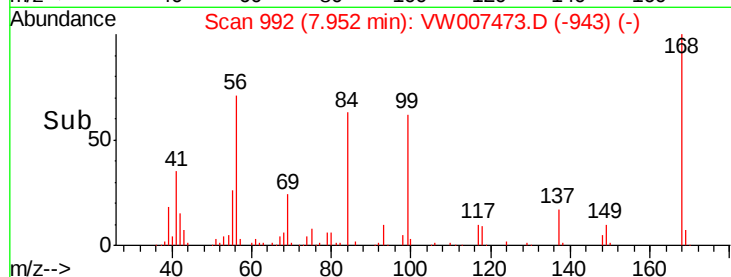
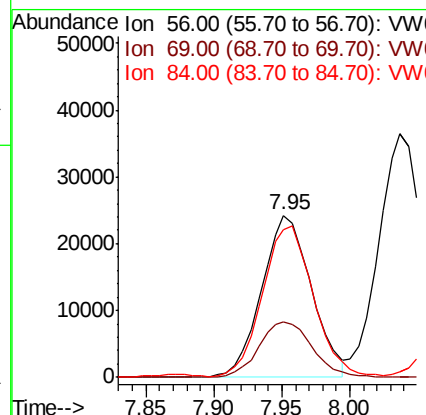
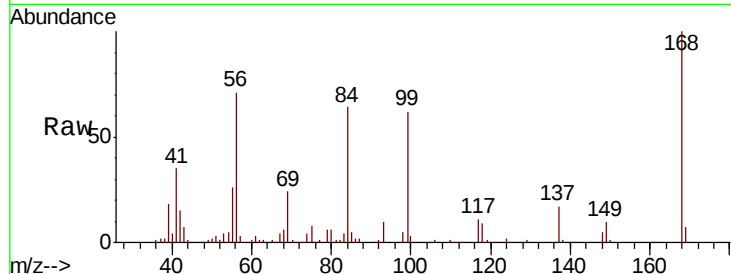
#31
Cyclohexane
Concen: 44.895 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	28.9	43.3
84	89.8	71.8	107.6

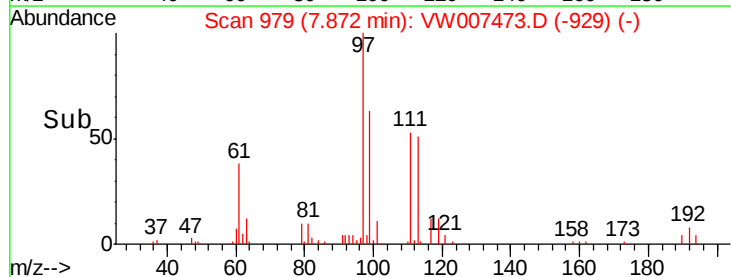
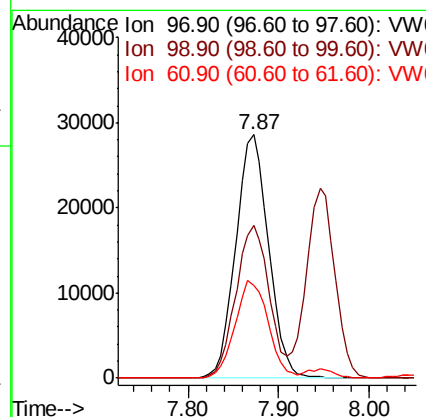
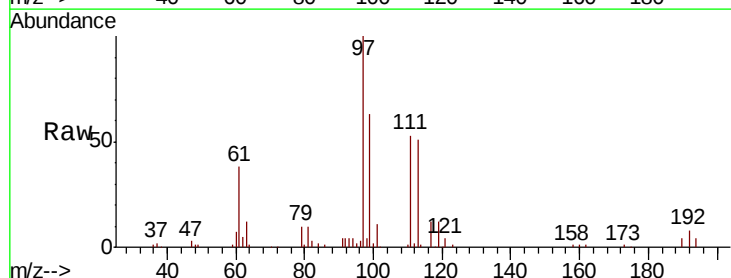
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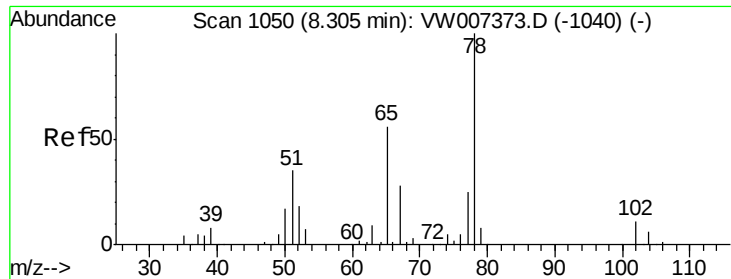
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#32
1,1,1-Trichloroethane
Concen: 50.080 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	40.7	33.2	49.8





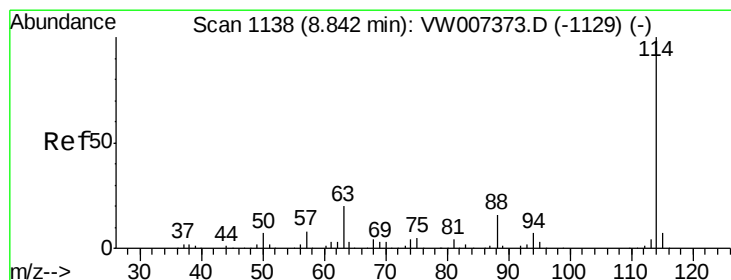
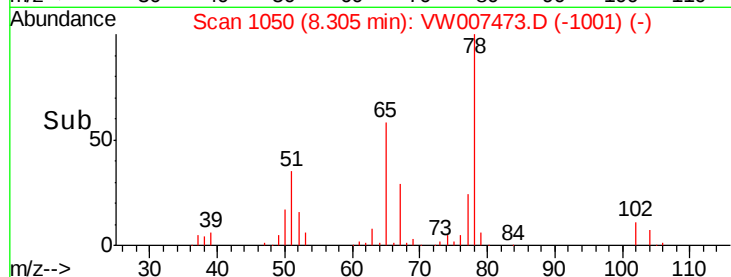
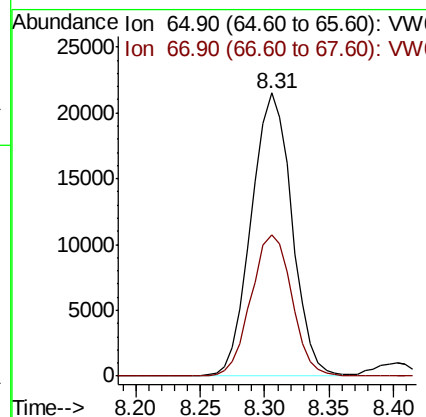
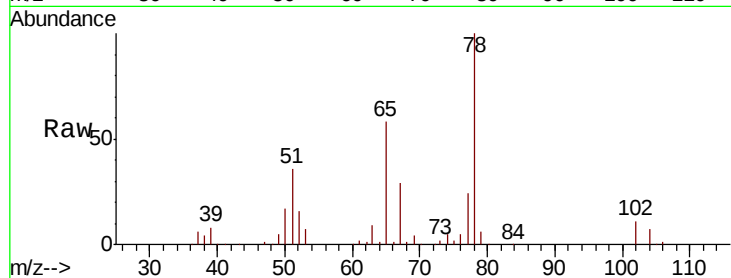
#33
 1,2-Dichloroethane-d4
 Concen: 52.869 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007473.D
 Acq: 13 Dec 2018 07:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	101.6

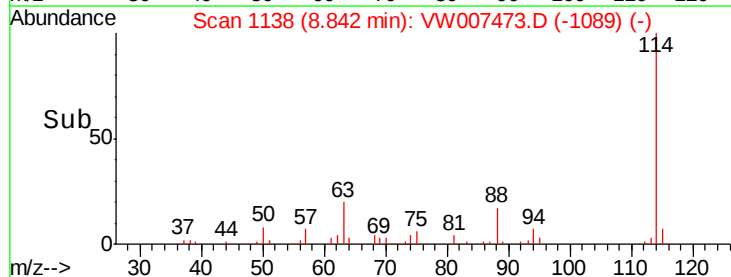
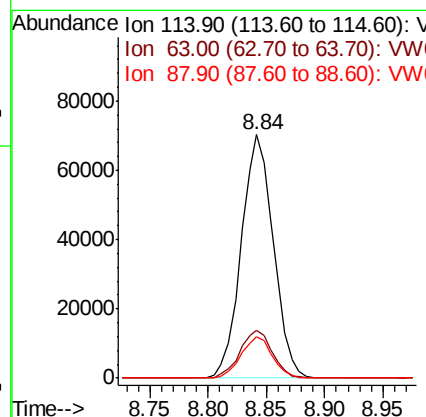
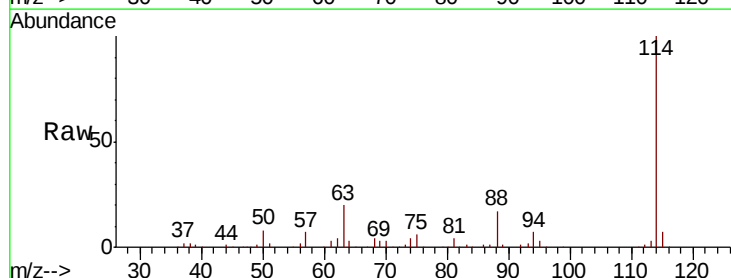
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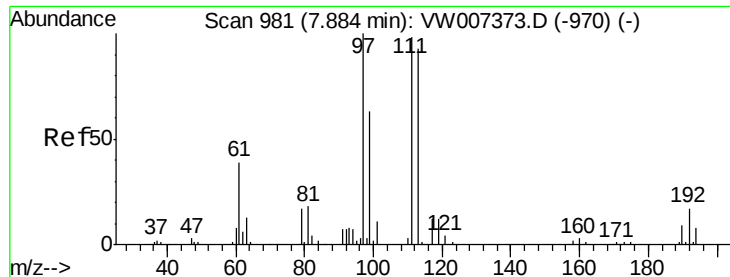
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007473.D
 Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	17.1	0.0	31.4





#35

Dibromofluoromethane

Concen: 53.303 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

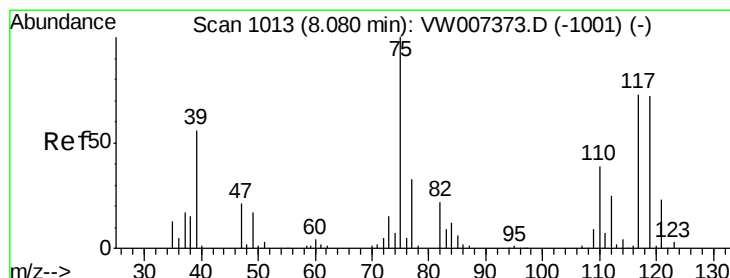
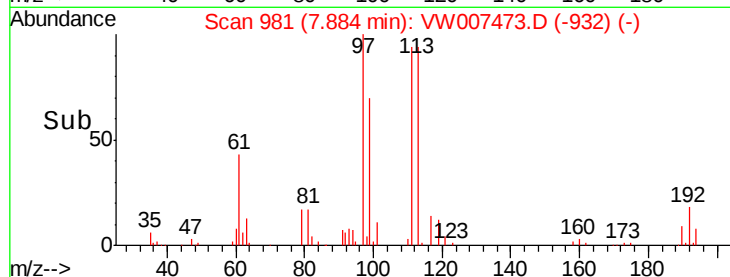
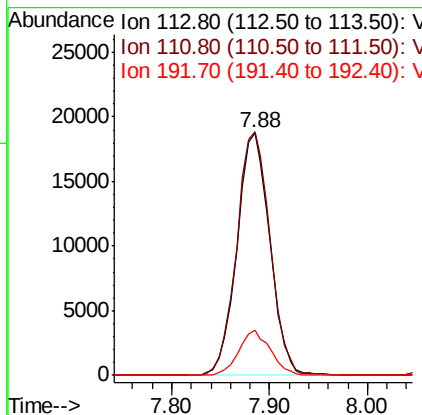
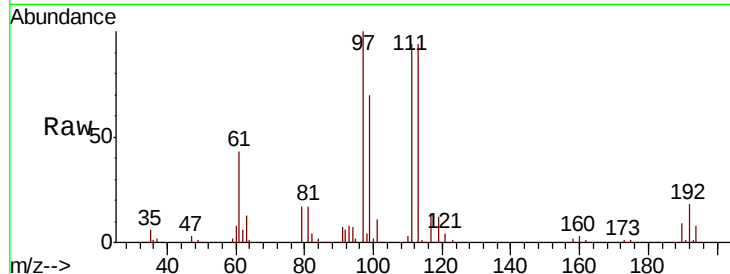
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	43541
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	17.9	14.6	21.8

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#36

1,1-Dichloropropene

Concen: 49.860 ug/l

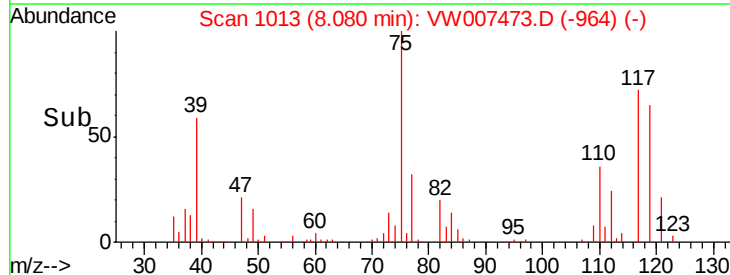
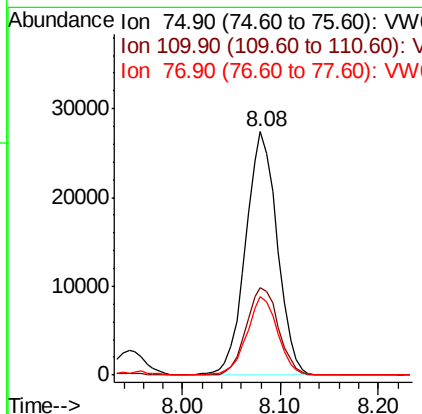
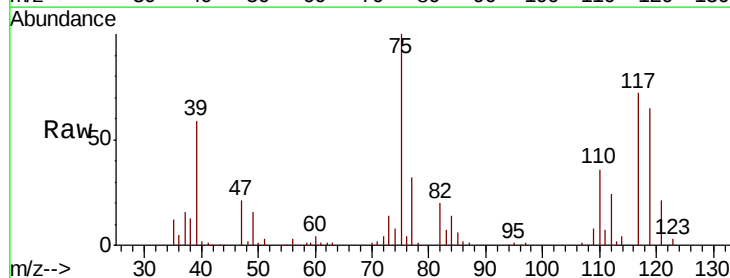
RT: 8.08 min Scan# 1013

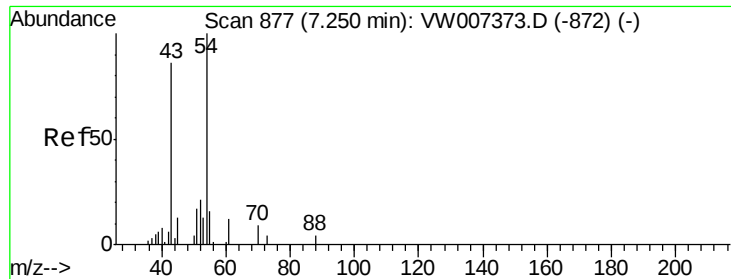
Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Tgt Ion:	75	Resp:	61378
Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.5	55.5
77	31.5	25.6	38.4





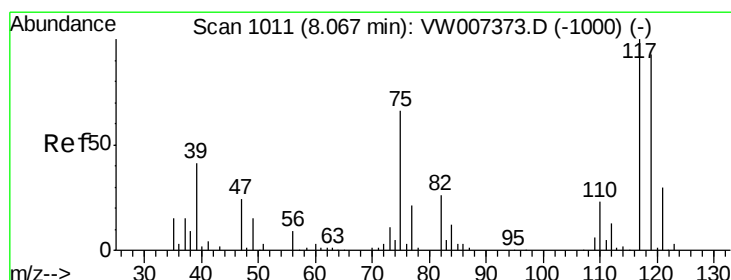
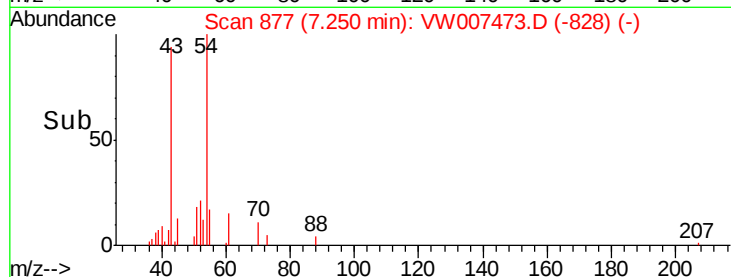
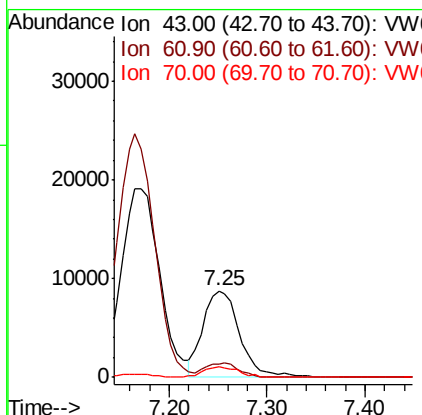
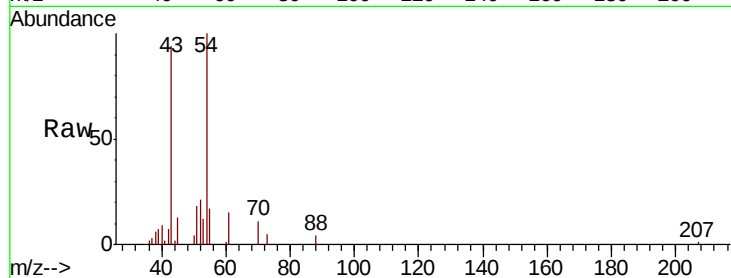
#37
Ethyl Acetate
Concen: 49.378 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.1	18.1
70	11.8	10.0	15.0

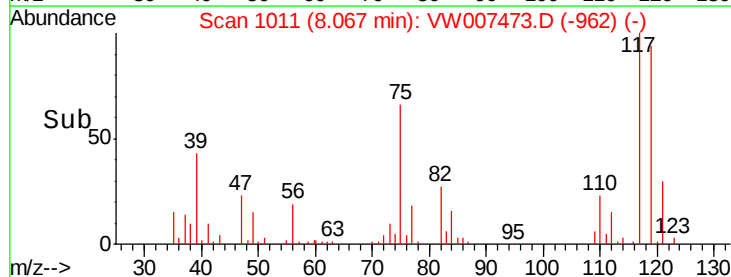
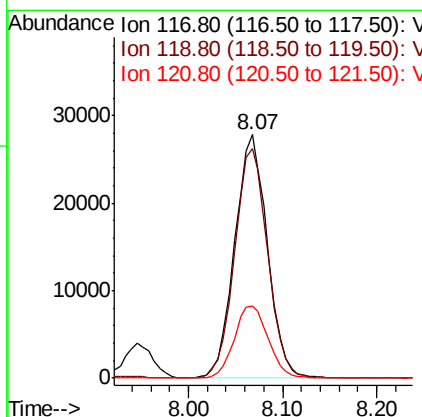
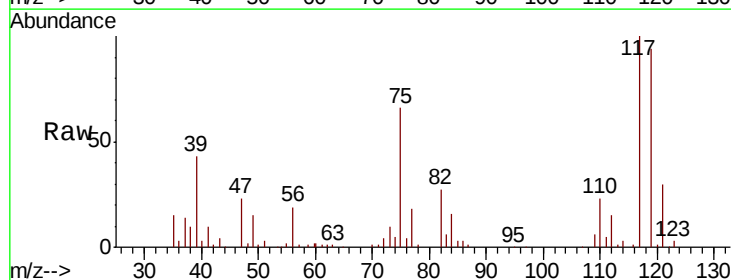
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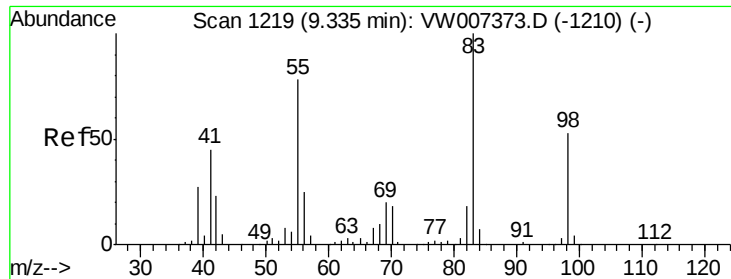
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#38
Carbon Tetrachloride
Concen: 50.069 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	74.3	111.5
121	29.6	24.3	36.5





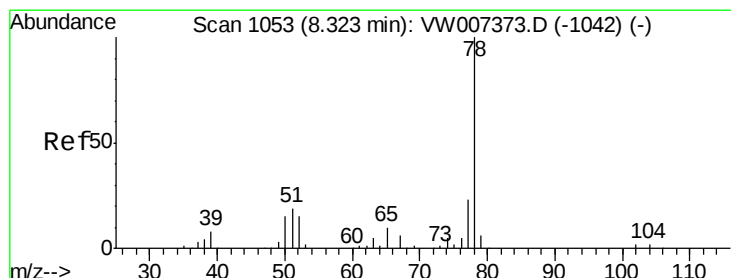
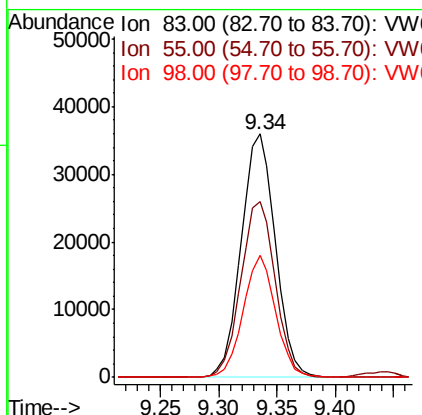
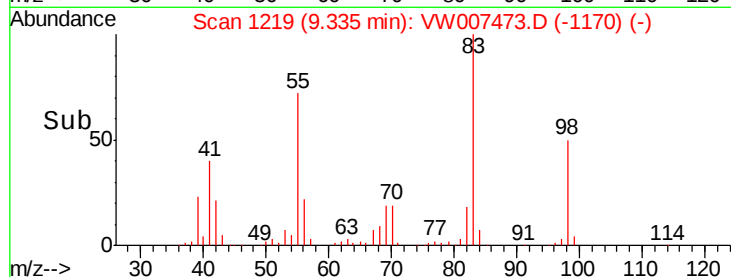
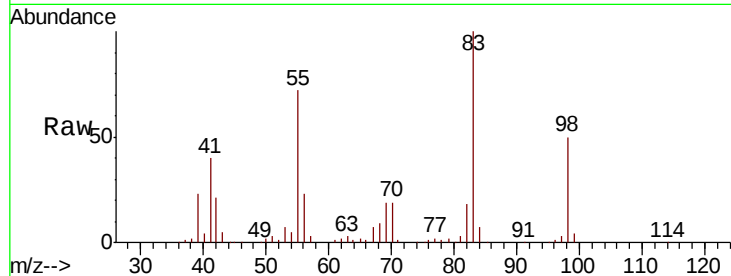
#39
Methvlcvclohexane
Concen: 49.423 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	73670
Ion Ratio	100	Lower	Upper
83	100		
55	72.1	62.8	94.2
98	50.4	42.2	63.2

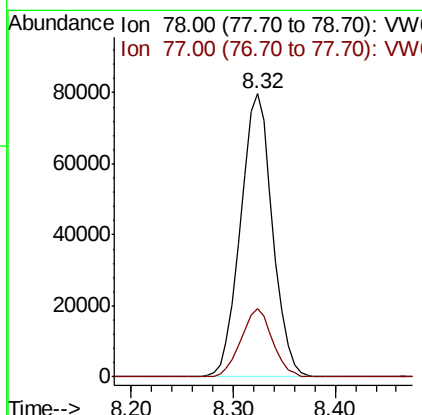
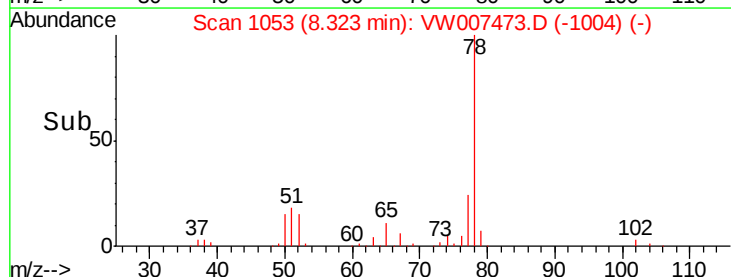
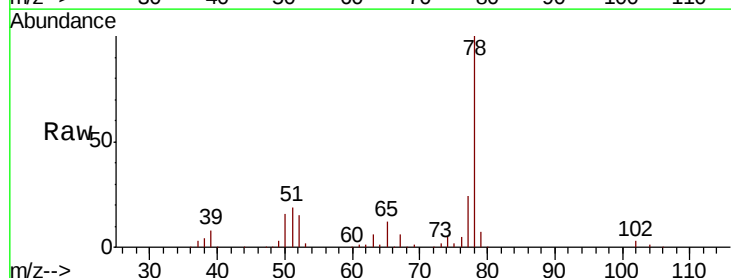
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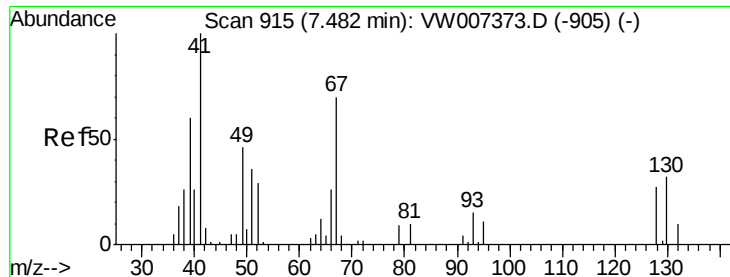
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12/14/2018 11:24:09 AM



#40
Benzene
Concen: 50.683 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	78	Resp	173144
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	18.8	28.2





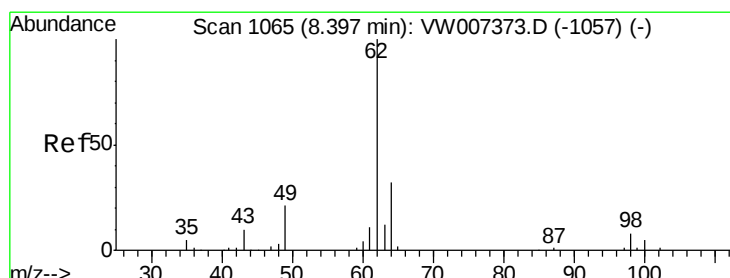
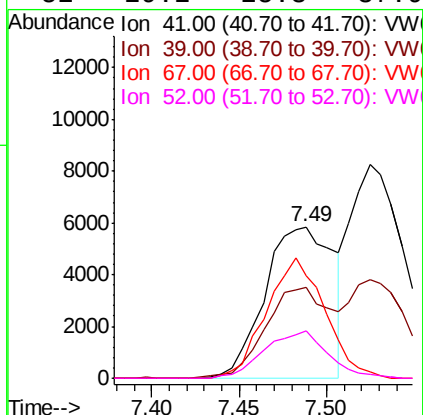
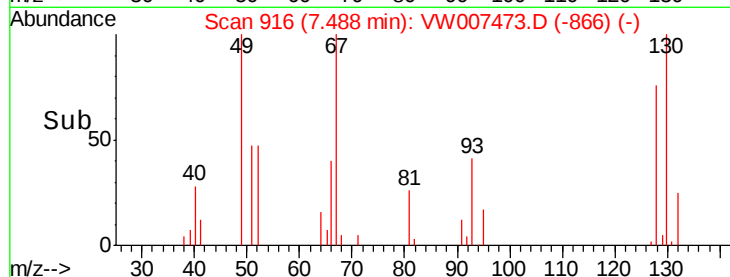
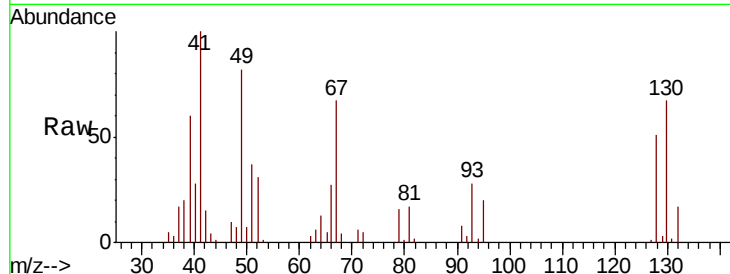
#41
Methacrylonitrile
Concen: 61.375 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	16002
Ion	Ratio	Lower	Upper
41	100		
39	57.0	52.2	78.2
67	67.7	60.5	90.7
52	29.2	25.3	37.9

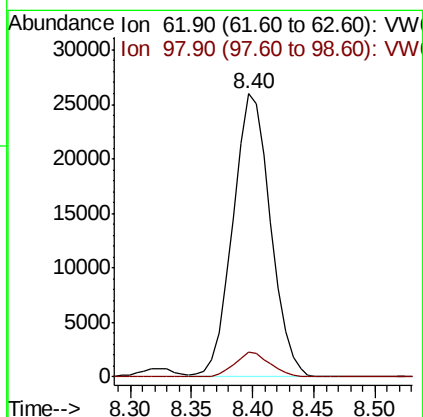
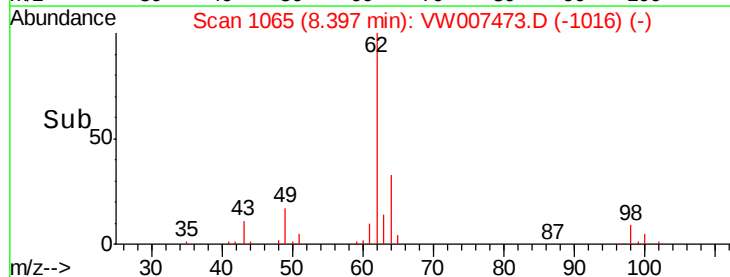
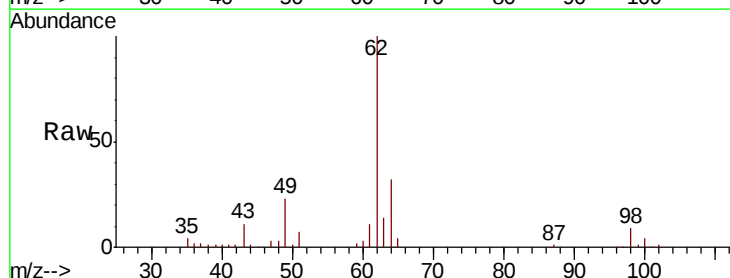
Manual Integrations
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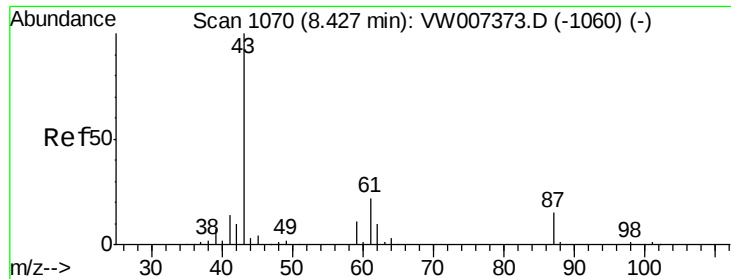
MMDadoda
12/14/2018 11:24:09 AM



#42
1,2-Dichloroethane
Concen: 51.759 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion:	62	Resp:	55545
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.6





#43

Isopropyl Acetate

Concen: 52.265 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

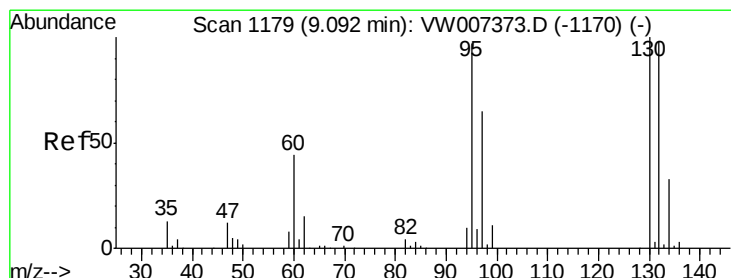
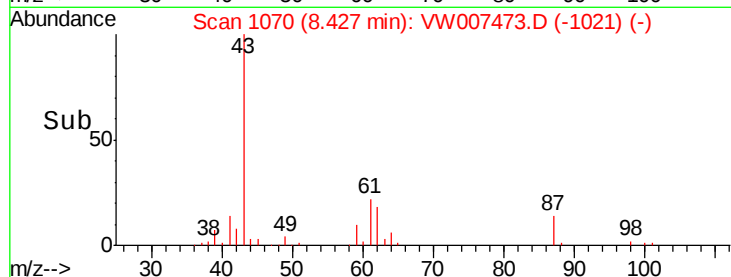
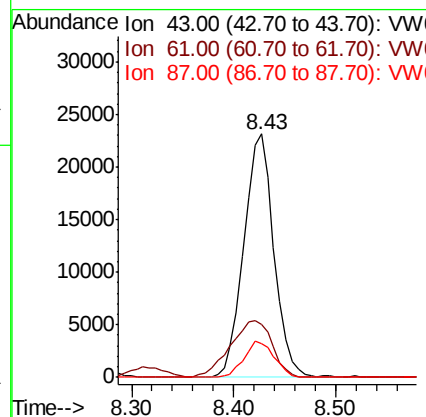
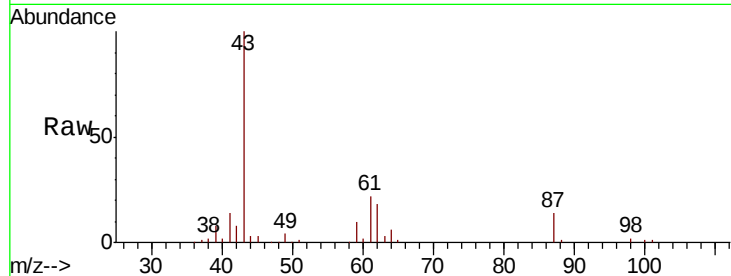
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	47268
Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.3	37.9
87	14.9	11.8	17.8

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#44

Trichloroethene

Concen: 51.035 ug/l

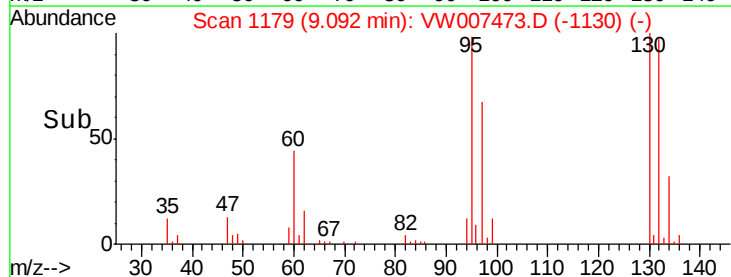
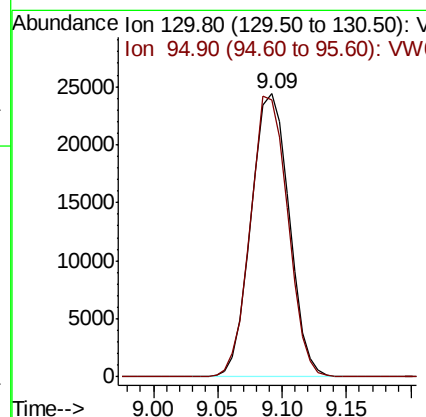
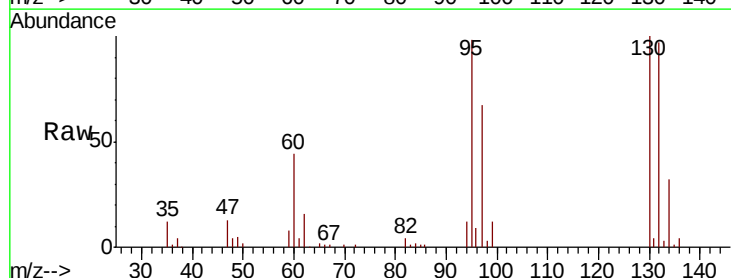
RT: 9.09 min Scan# 1179

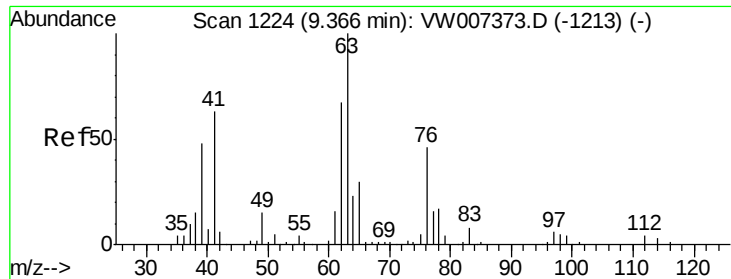
Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Tgt Ion:	130	Resp:	49786
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	193.2





#45

1,2-Dichloropropane

Concen: 52.404 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 41428

Ion Ratio Lower Upper

63 100

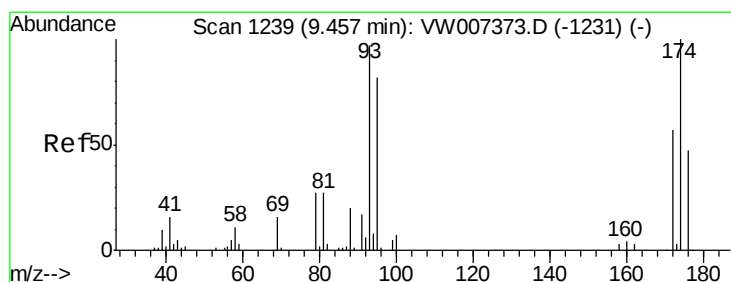
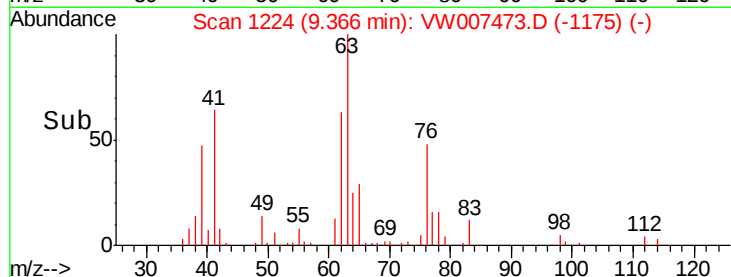
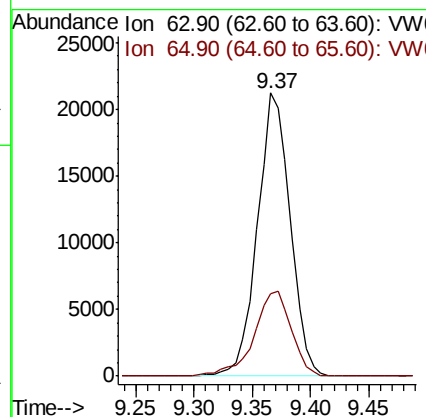
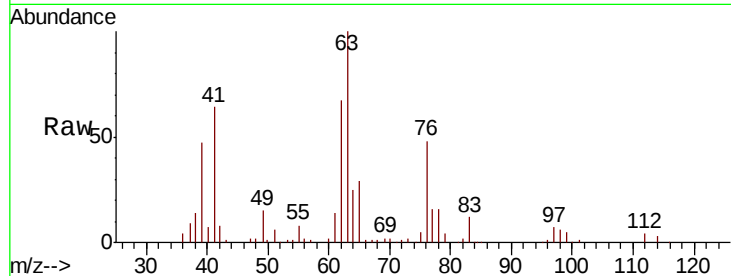
65 29.2 24.4 36.6

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#46

Dibromomethane

Concen: 52.719 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

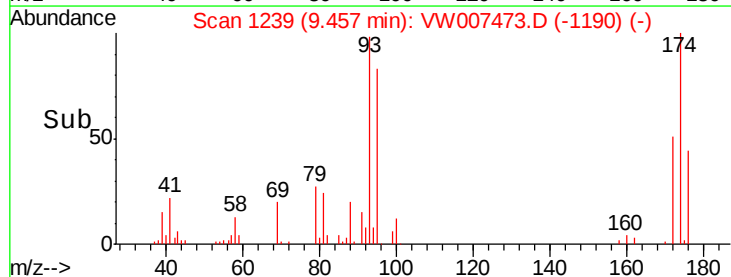
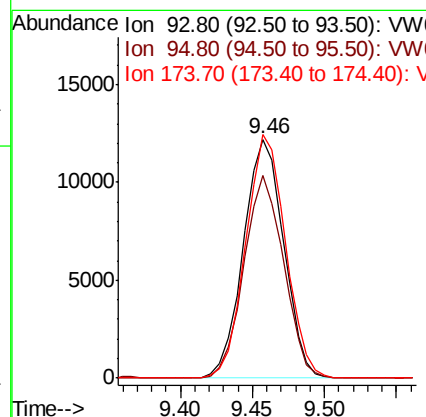
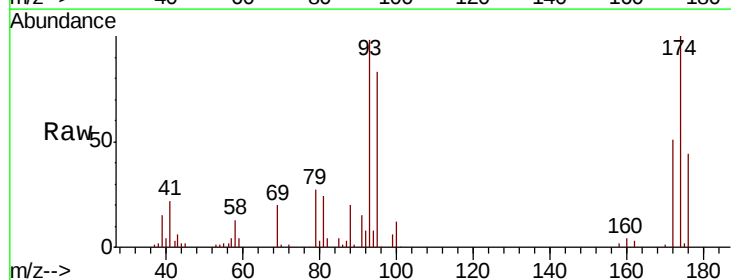
Tgt Ion: 93 Resp: 23668

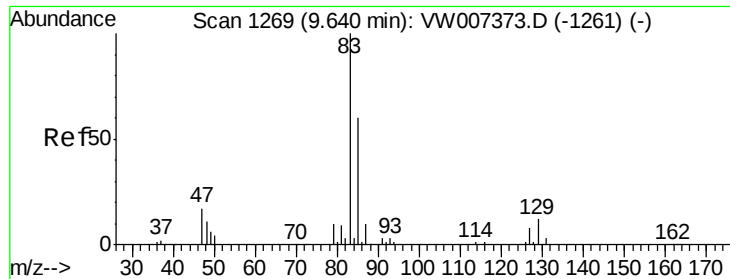
Ion Ratio Lower Upper

93 100

95 83.5 68.0 102.0

174 100.1 83.2 124.8





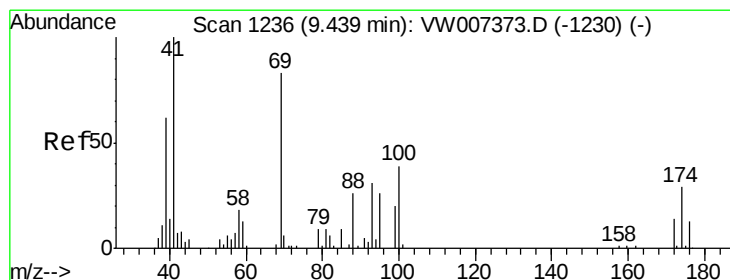
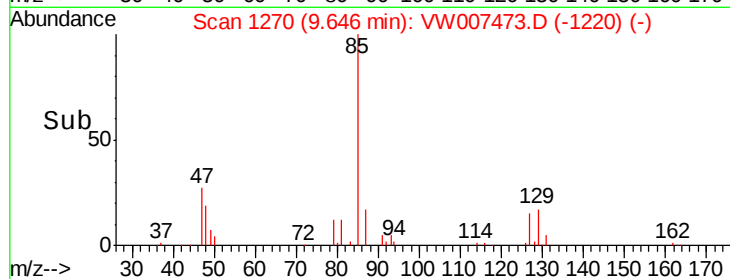
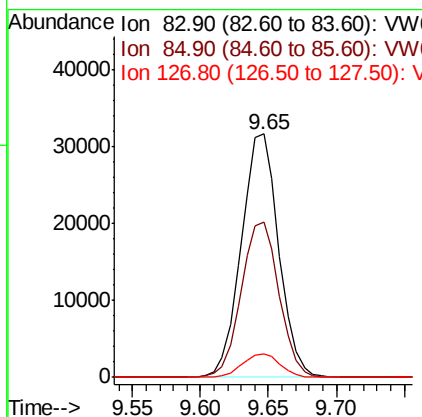
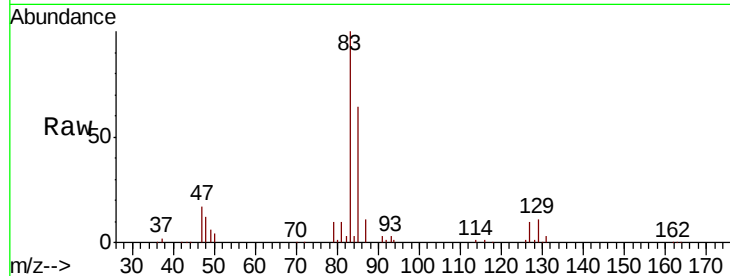
#47
Bromodichloromethane
Concen: 51.671 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	60847		
85	63.8	47.6	71.4	
127	9.6	6.7	10.1	

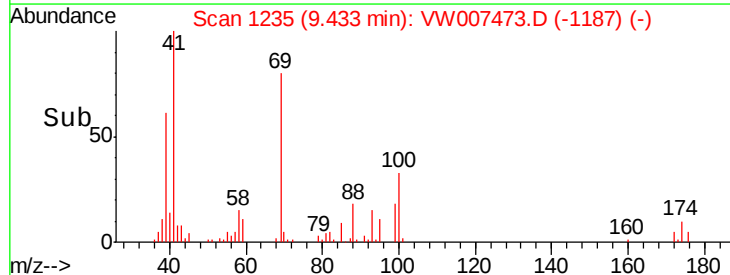
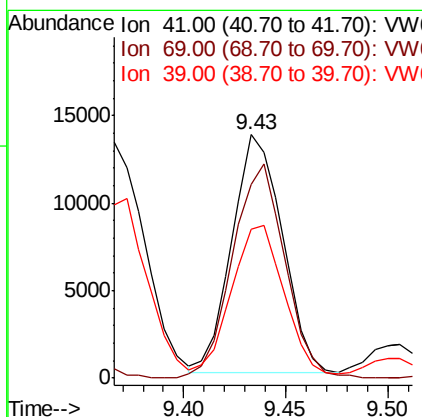
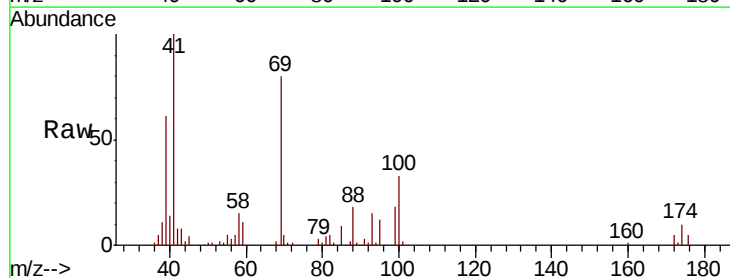
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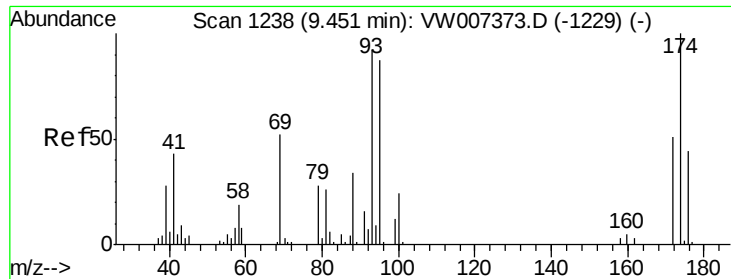
MMDadoda
12/14/2018 11:24:09 AM



#48
Methyl methacrylate
Concen: 50.103 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	23272		
69	93.9	69.8	104.8	
39	68.9	50.9	76.3	





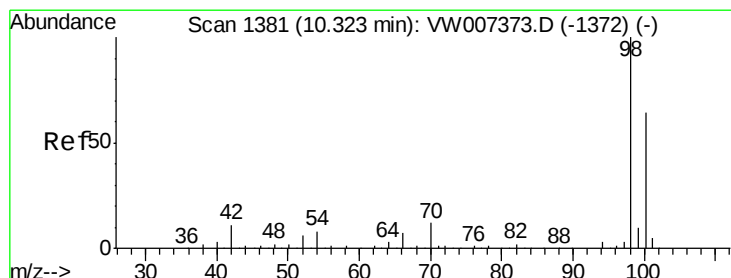
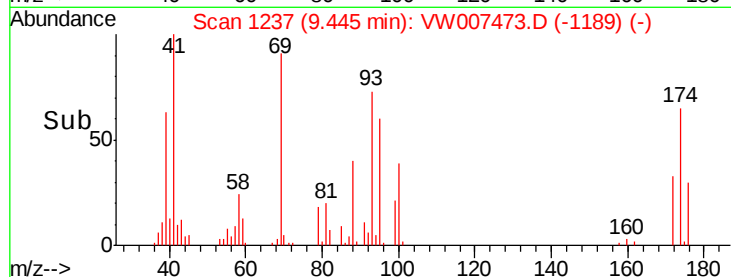
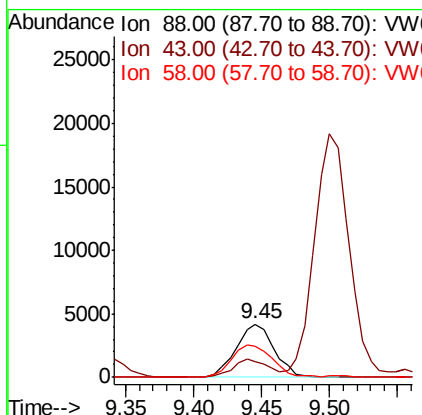
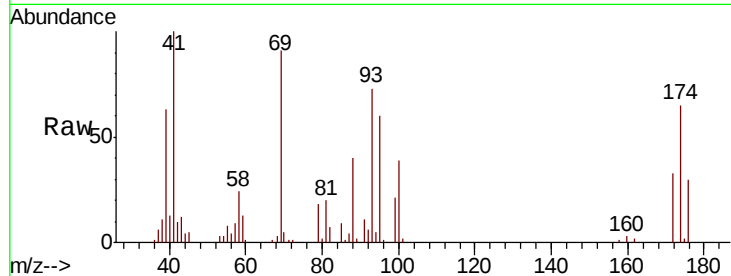
#49
1,4-Dioxane
Concen: 1122.255 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	8175
Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.0	37.4
58	65.5	51.4	77.2

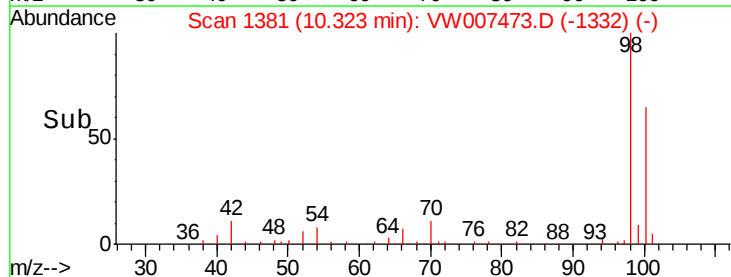
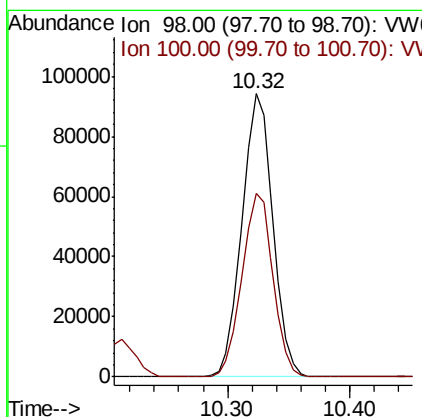
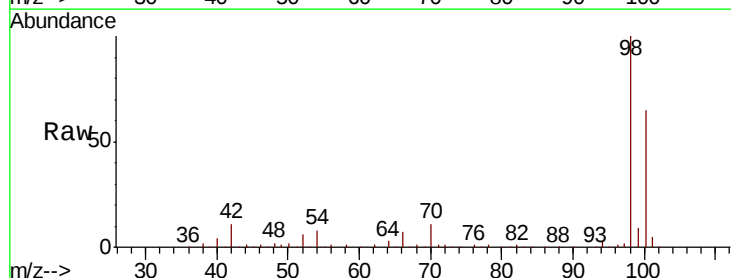
Manual Integrations
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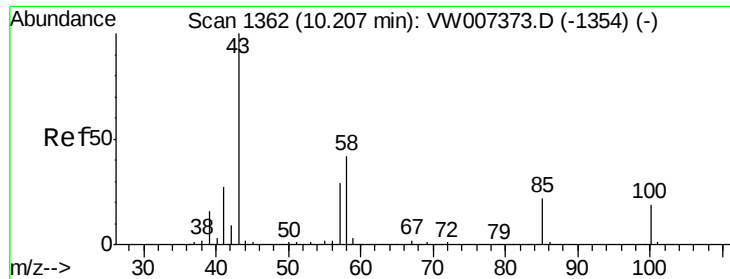
MMDadoda
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#50
Toluene-d8
Concen: 53.863 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	98	Resp	164970
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 275.793 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 117854

Ion Ratio Lower Upper

43 100

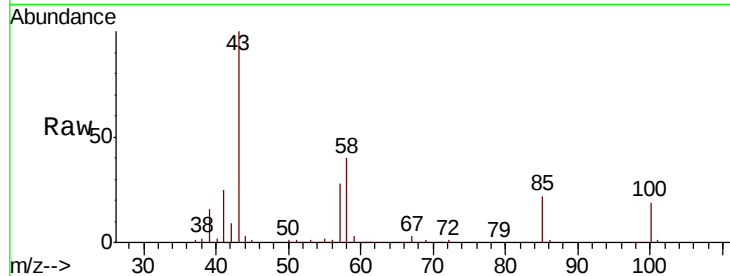
58 40.2 33.1 49.7

Manual Integrations

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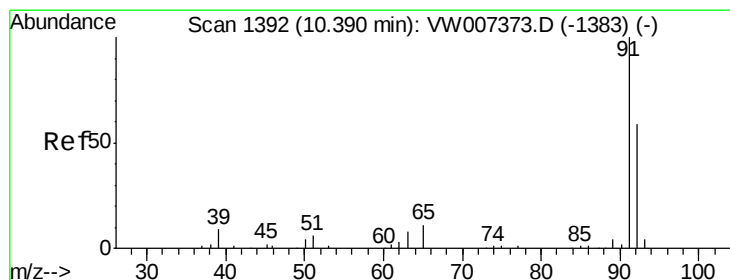
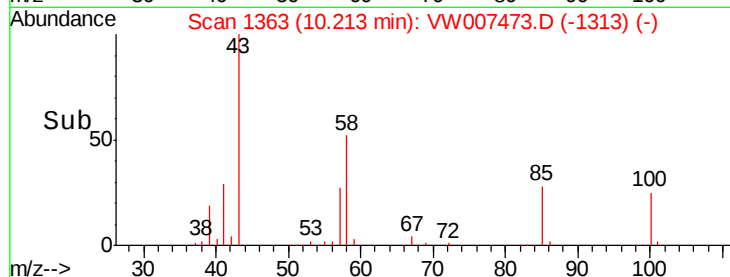
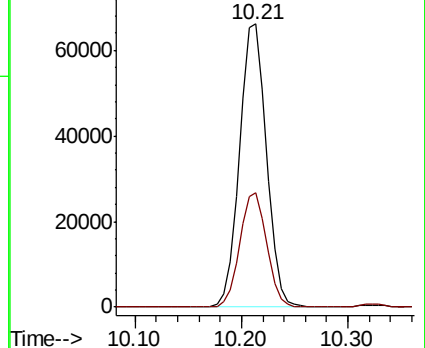
MMDadoda

12/14/2018 11:24:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.629 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007473.D

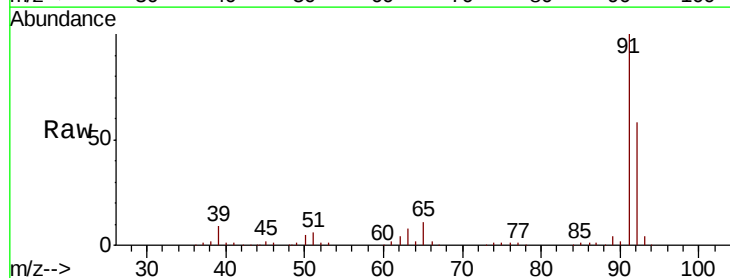
Acq: 13 Dec 2018 07:50

Tgt Ion: 92 Resp: 116352

Ion Ratio Lower Upper

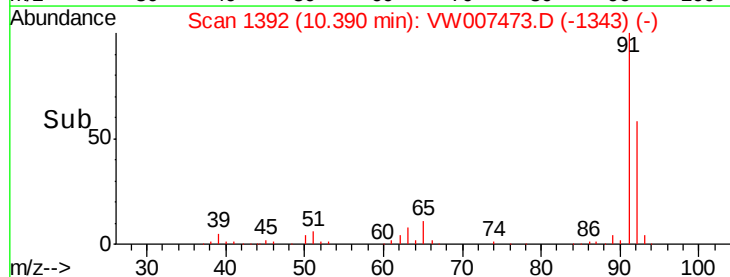
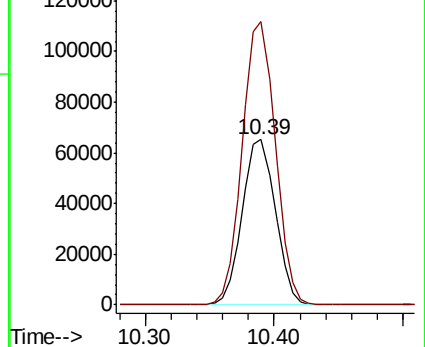
92 100

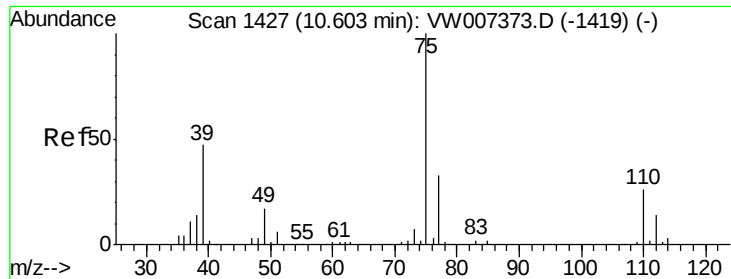
91 170.7 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





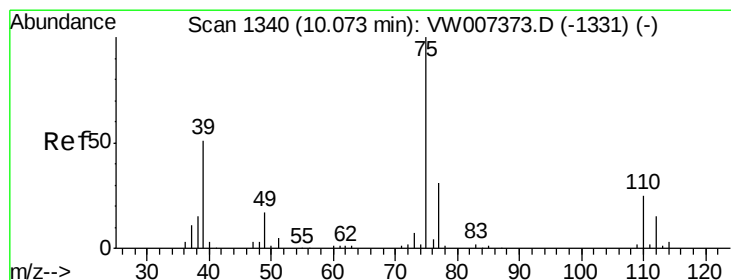
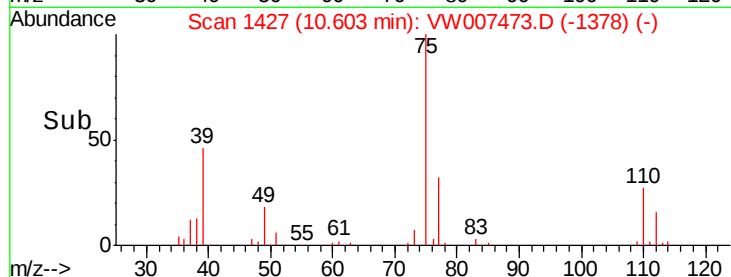
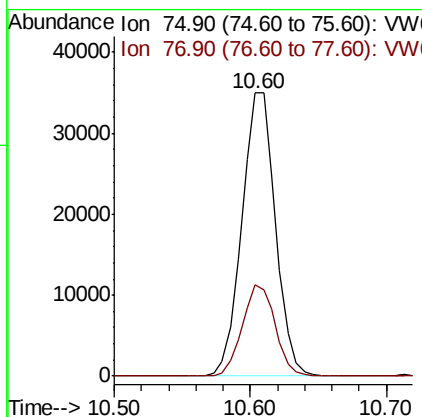
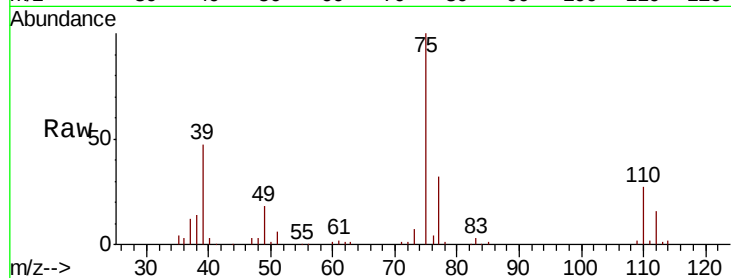
#53
t-1,3-Dichloropropene
Concen: 52.851 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.2	39.4

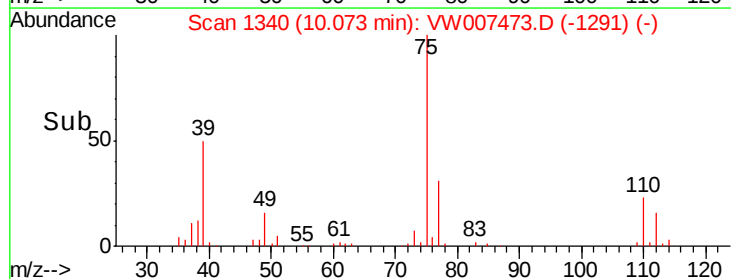
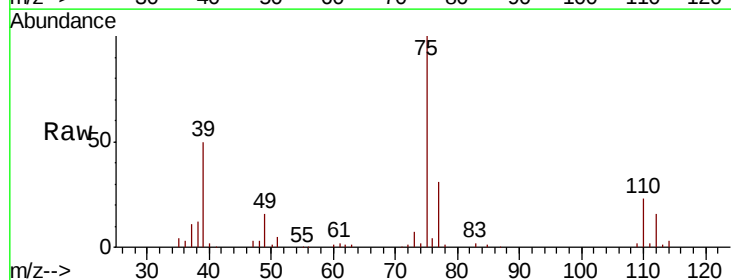
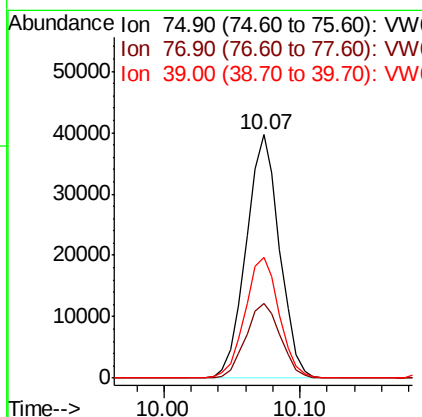
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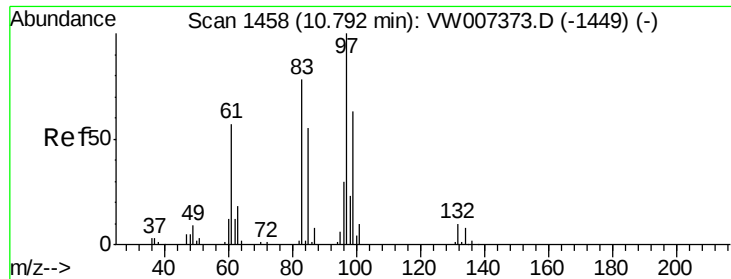
MMDadoda
12/14/2018 11:24:09 AM



#54
cis-1,3-Dichloropropene
Concen: 51.555 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.8	37.2
39	49.6	40.9	61.3





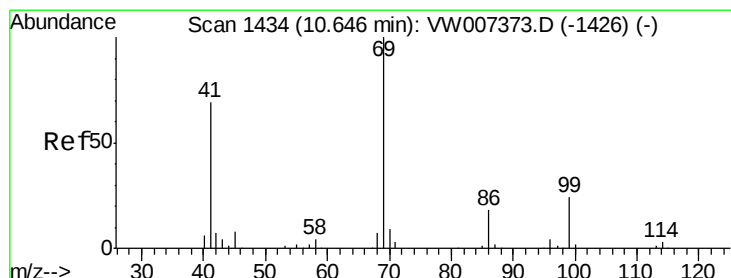
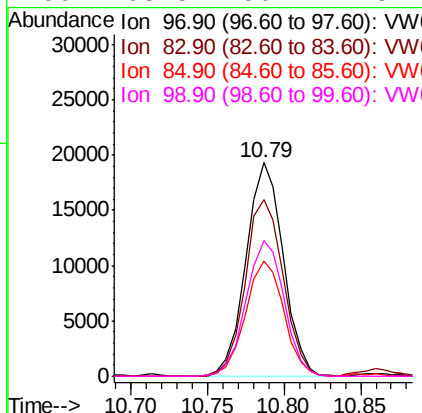
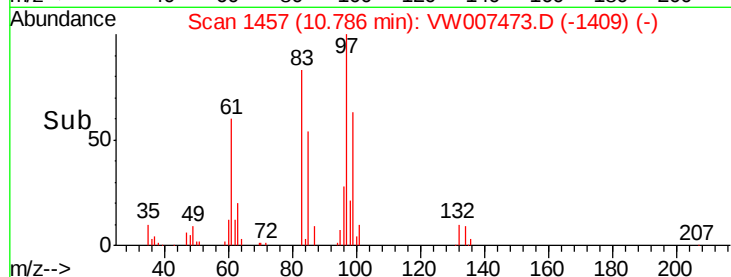
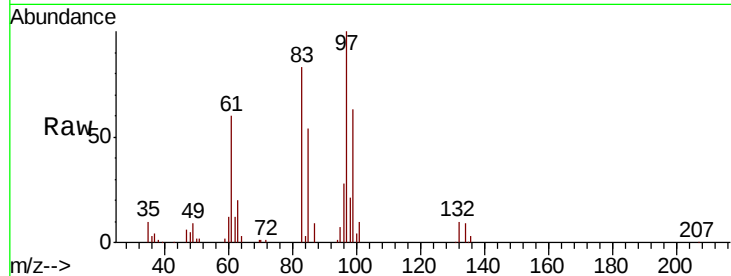
#55
 1,1,2-Trichloroethane
 Concen: 53.477 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007473.D
 Acq: 13 Dec 2018 07:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	32675
Ion	Ratio	Lower	Upper
97	100		
83	82.9	62.1	93.1
85	53.9	44.2	66.4
99	63.5	50.2	75.4

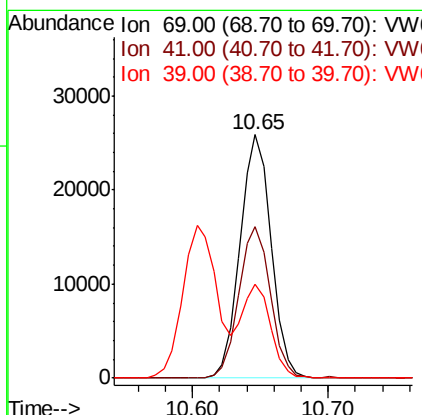
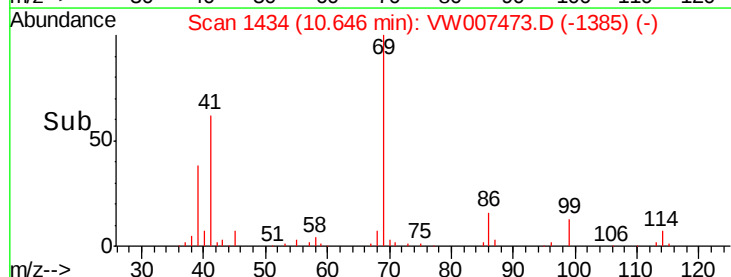
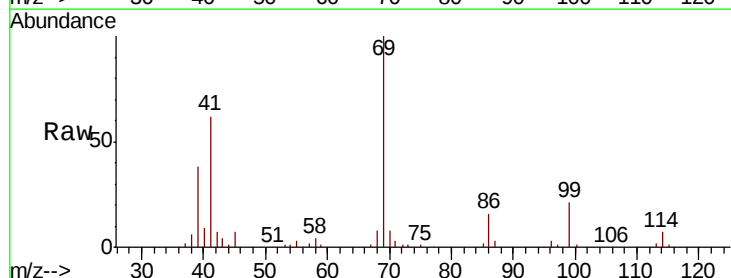
Manual Integrations
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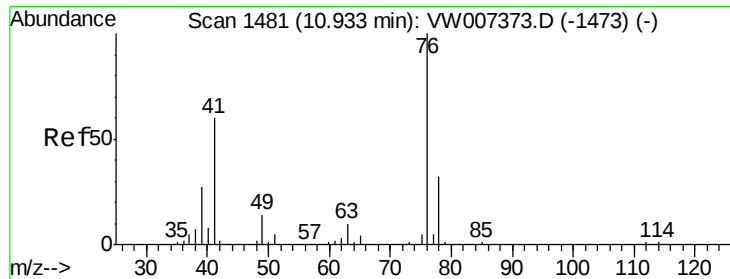
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 12/14/2018 11:24:09 AM



#56
 Ethyl methacrylate
 Concen: 56.347 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007473.D
 Acq: 13 Dec 2018 07:50

Tgt Ion:	69	Resp:	41382
Ion	Ratio	Lower	Upper
69	100		
41	63.5	51.0	76.6
39	36.5	30.8	46.2





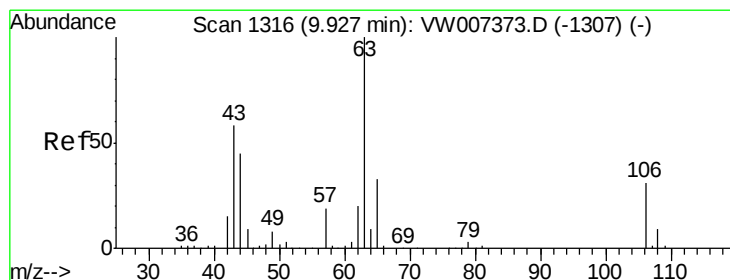
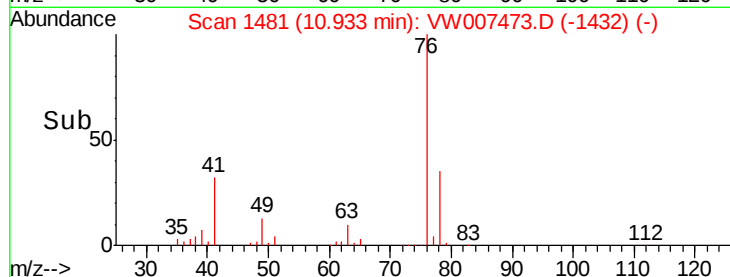
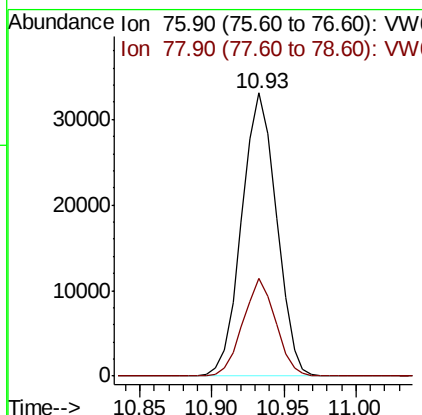
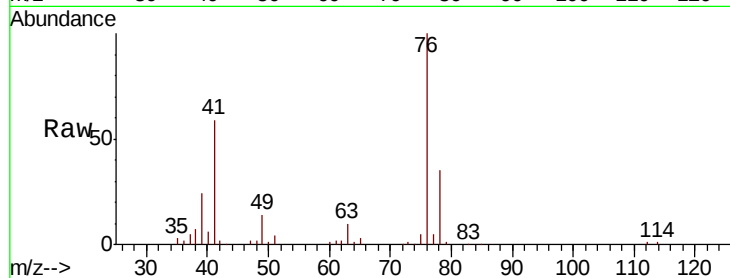
#57
 1,3-Dichloropropane
 Concen: 55.276 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007473.D
 Acq: 13 Dec 2018 07:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

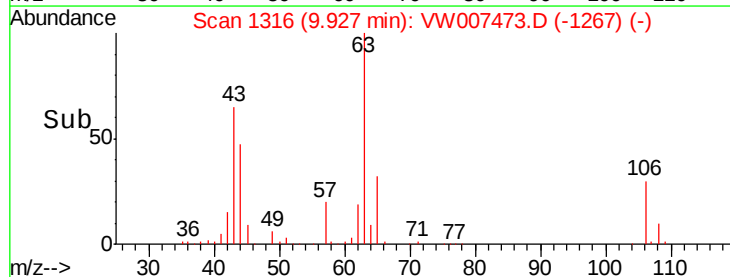
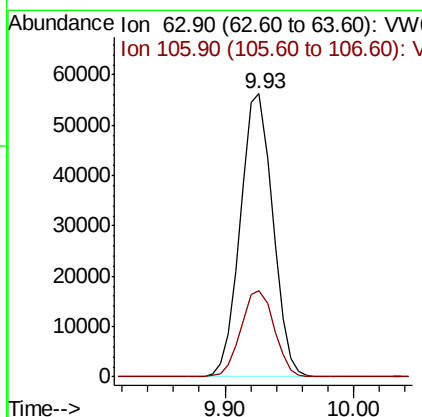
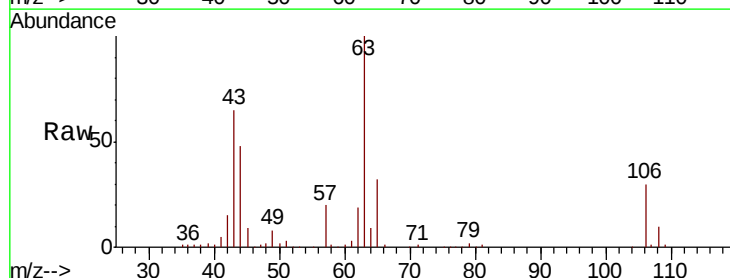
Manual Integrations
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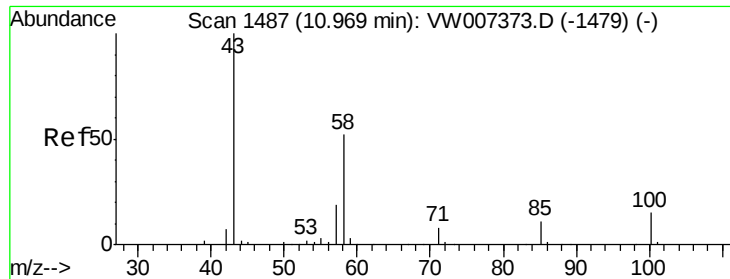
MMDadoda
 12/14/2018 11:24:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 289.735 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007473.D
 Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	25.0	37.6





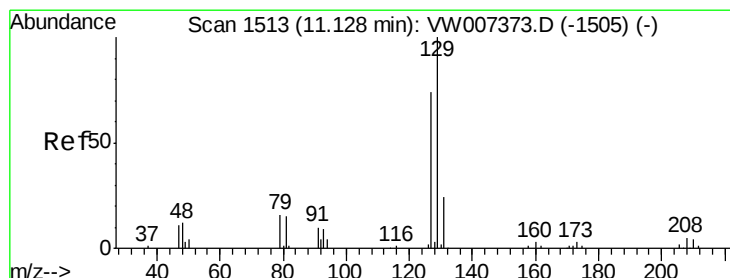
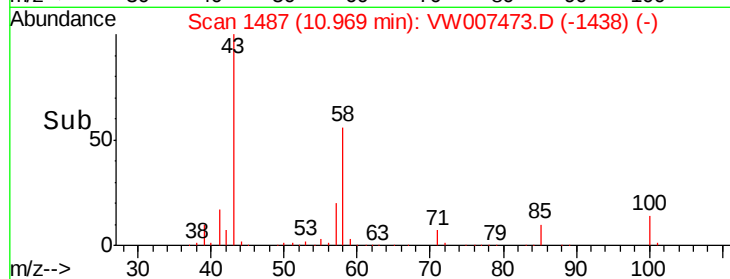
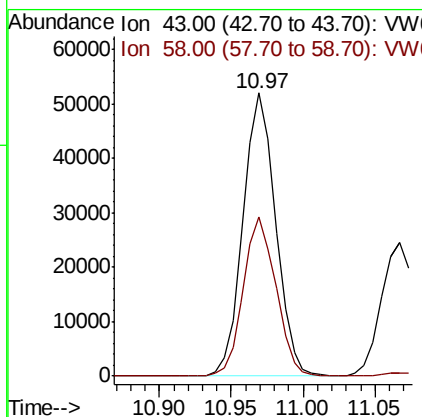
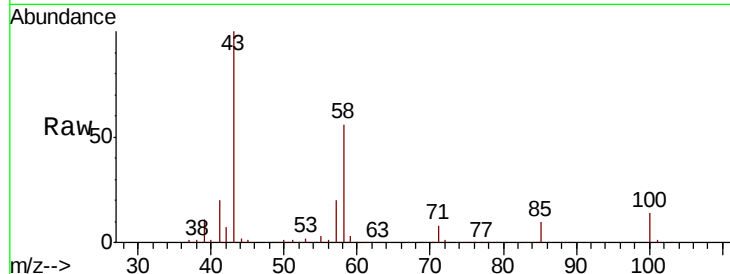
#59
2-Hexanone
Concen: 286.672 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 81685
Ion Ratio Lower Upper
43 100
58 55.9 27.1 81.3

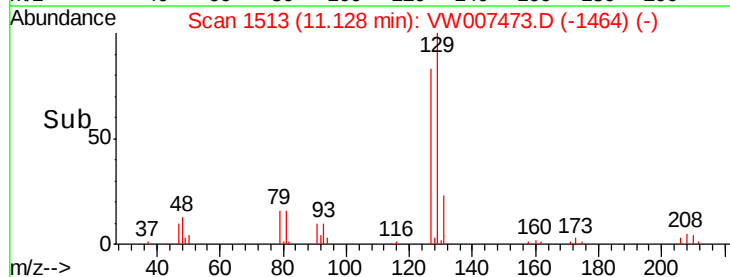
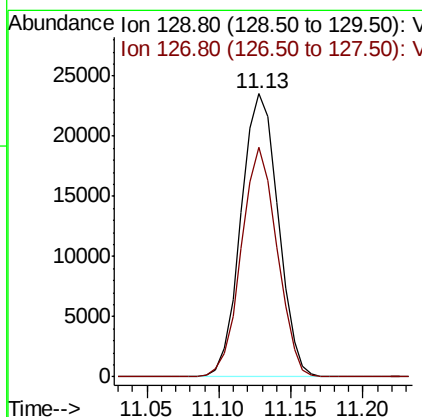
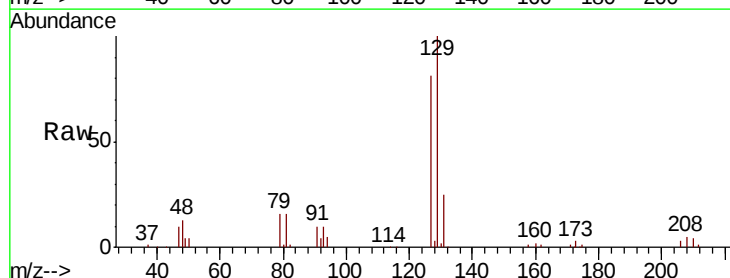
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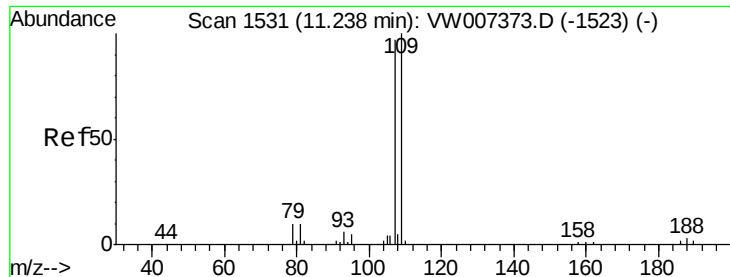
MMDadoda
12/14/2018 11:24:09 AM



#60
Dibromochloromethane
Concen: 54.581 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion: 129 Resp: 42087
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.3





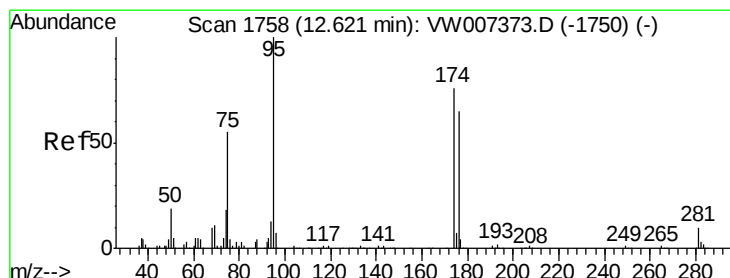
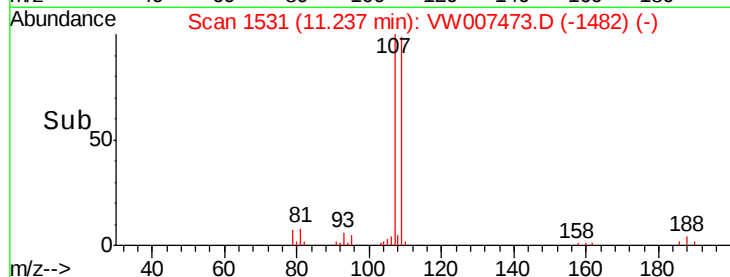
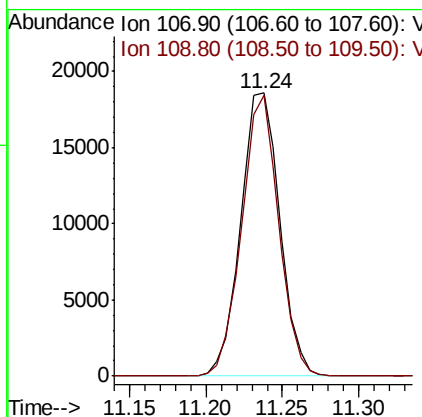
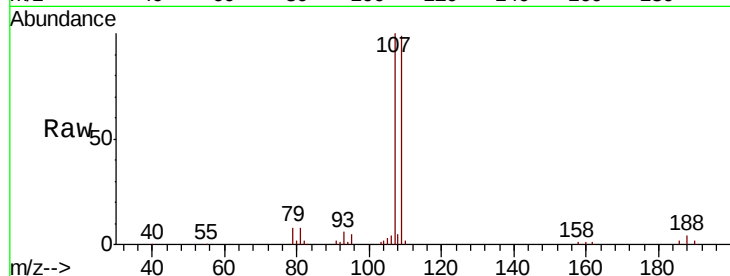
#61
 1,2-Dibromoethane
 Concen: 54.688 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007473.D
 Acq: 13 Dec 2018 07:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	79.1	118.7

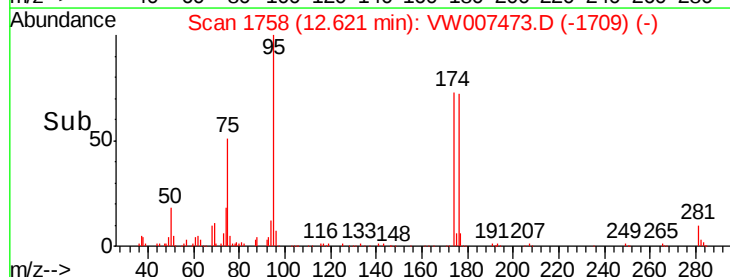
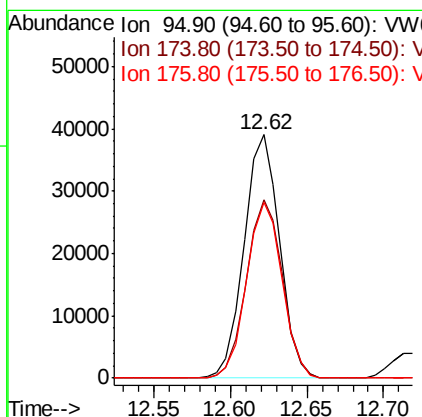
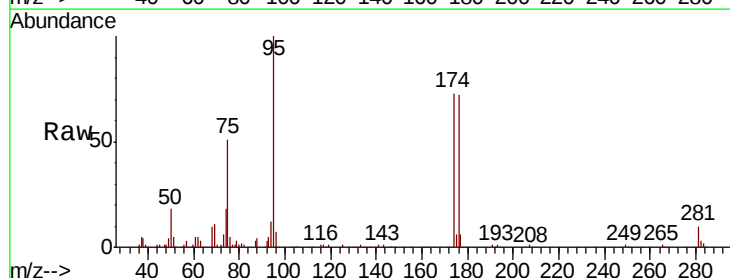
Manual Integrations
 APPROVED

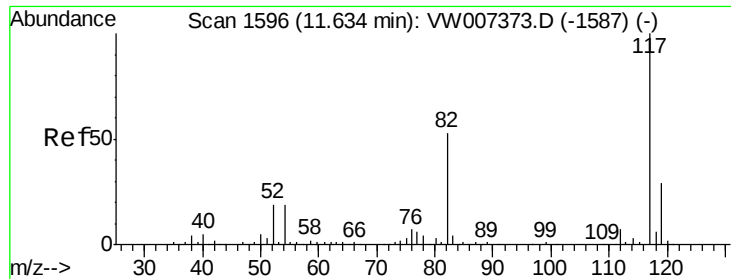
MMDadoda
 12/14/2018 11:24:09 AM



#62
 4-Bromofluorobenzene
 Concen: 55.860 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007473.D
 Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	147.2
176	72.4	0.0	138.8





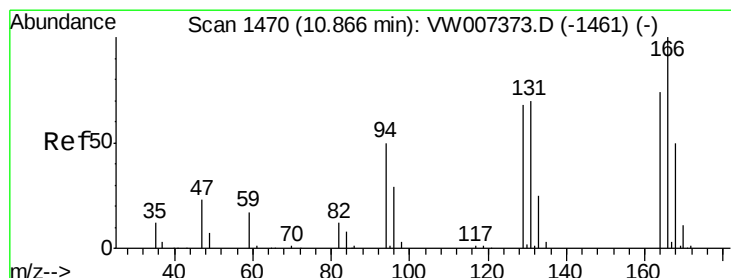
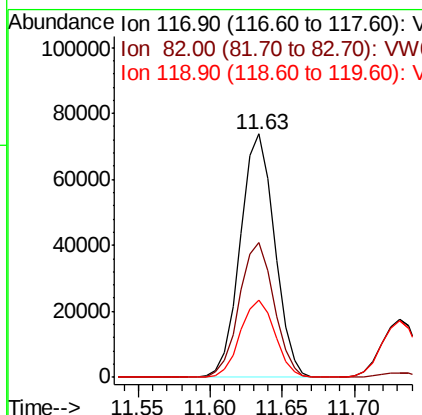
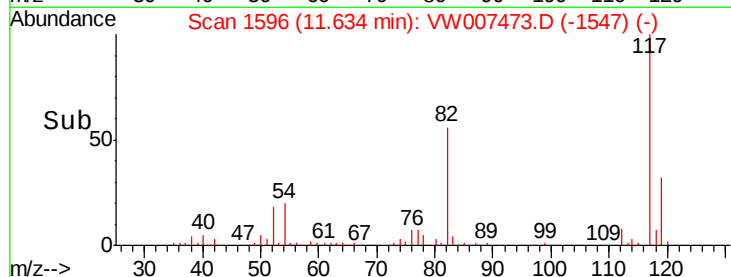
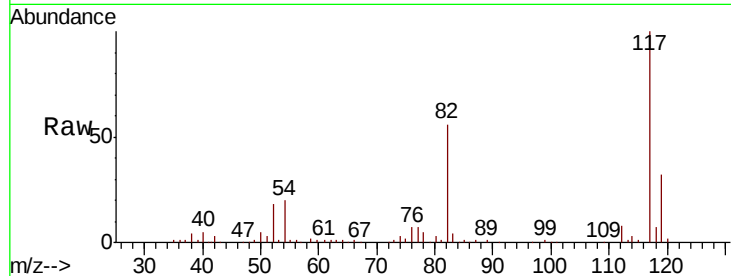
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	42.3	63.5
119	31.8	23.0	34.6

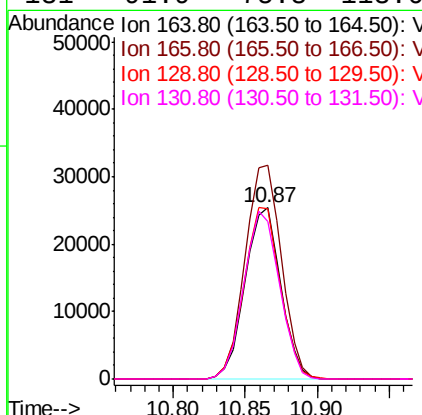
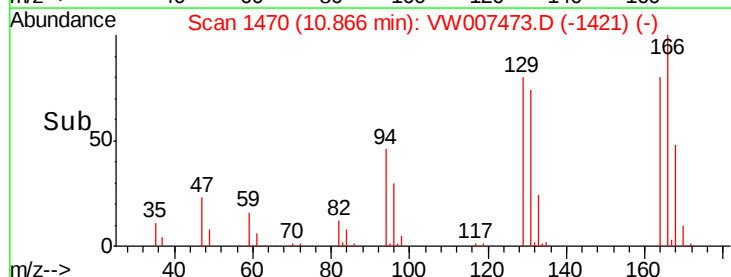
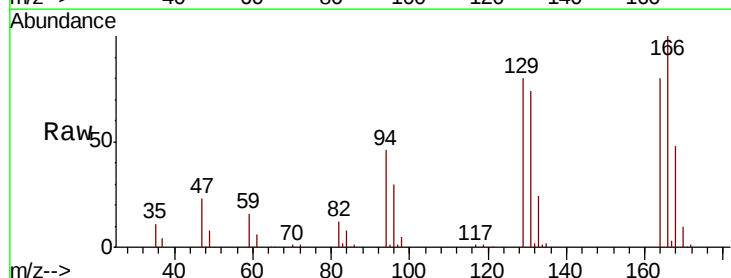
Manual Integrations
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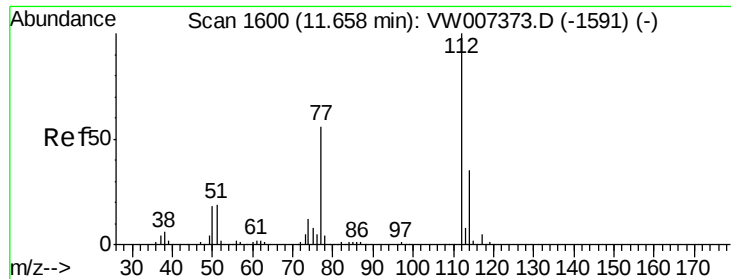
MMDadoda
12/14/2018 11:24:09 AM



#64
Tetrachloroethene
Concen: 49.683 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	107.9	161.9
129	99.7	73.4	110.2
131	91.9	75.8	113.6





#65

Chlorobenzene

Concen: 51.099 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 129854

Ion Ratio Lower Upper

112 100

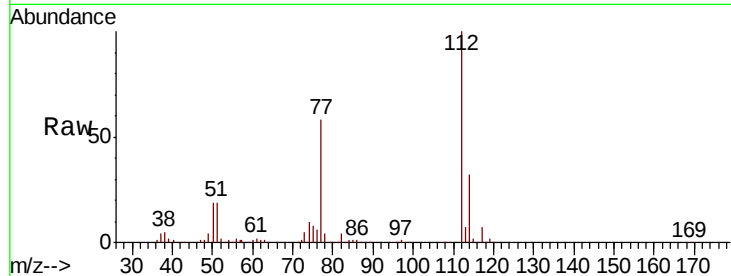
114 32.0 27.8 41.8

Manual Integrations

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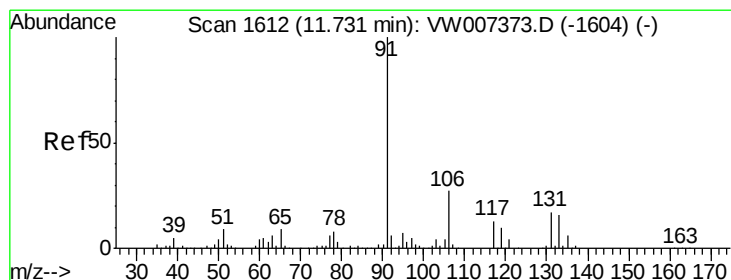
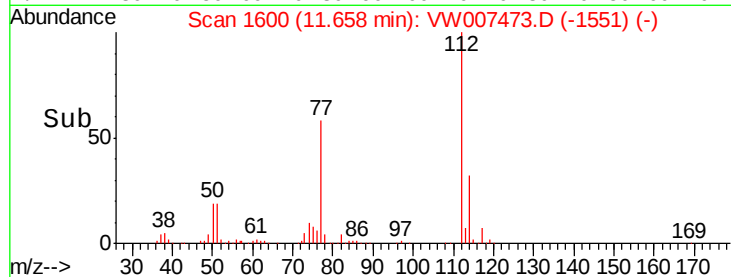
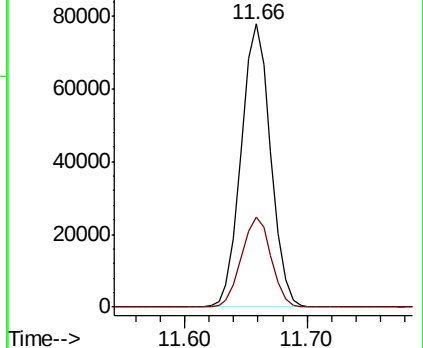
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.779 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

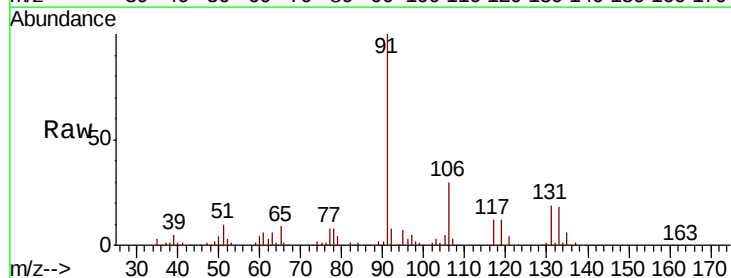
Tgt Ion:131 Resp: 46343

Ion Ratio Lower Upper

131 100

133 95.6 47.1 141.4

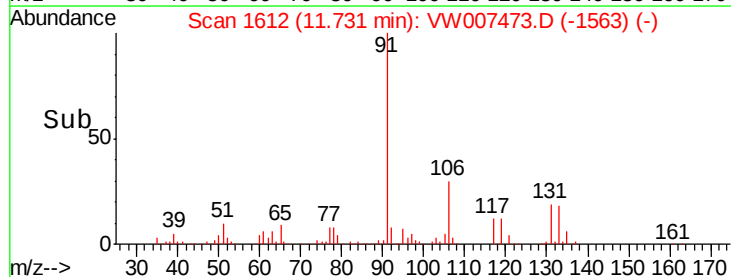
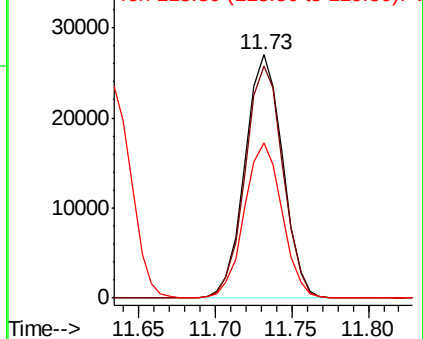
119 63.7 31.3 93.9

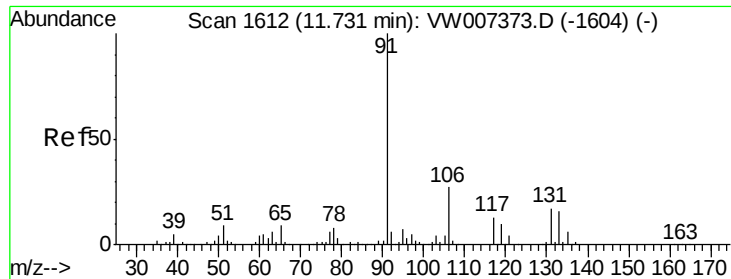


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





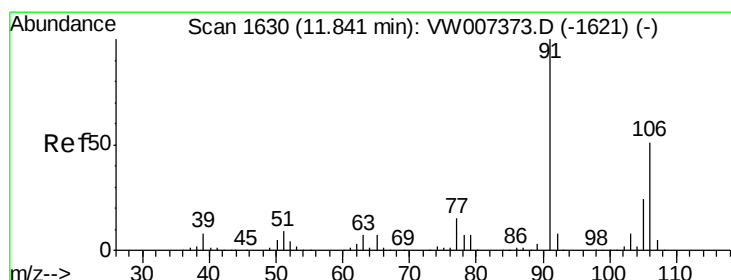
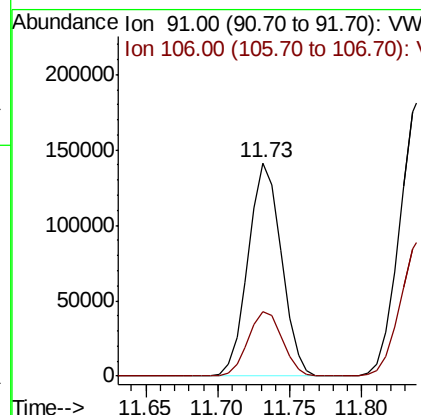
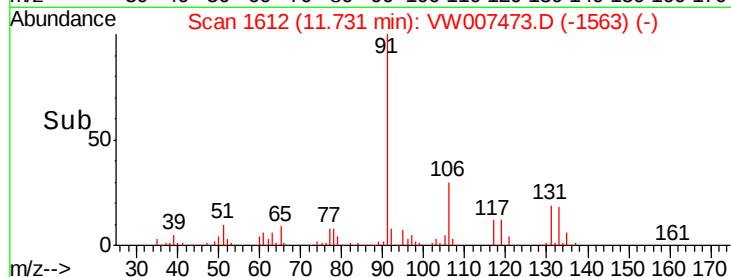
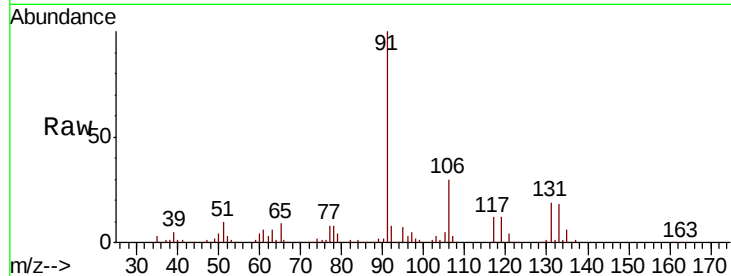
#67
Ethyl Benzene
Concen: 51.747 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 226085
Ion Ratio Lower Upper
91 100
106 30.2 21.8 32.8

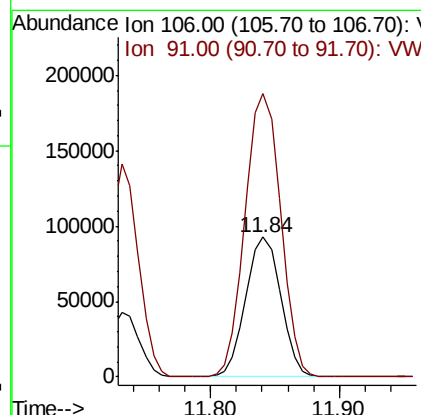
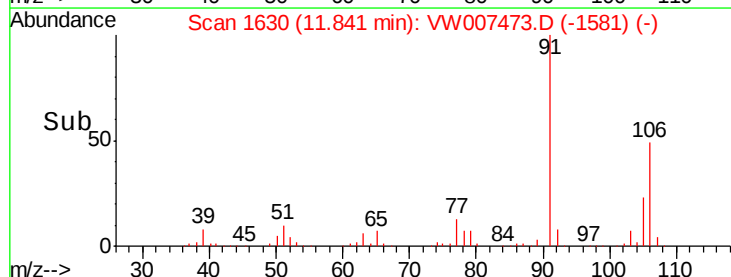
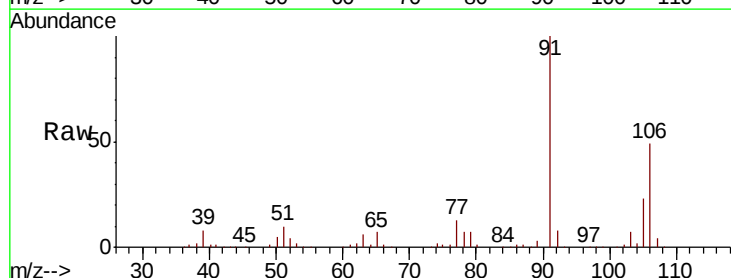
Manual Integrations
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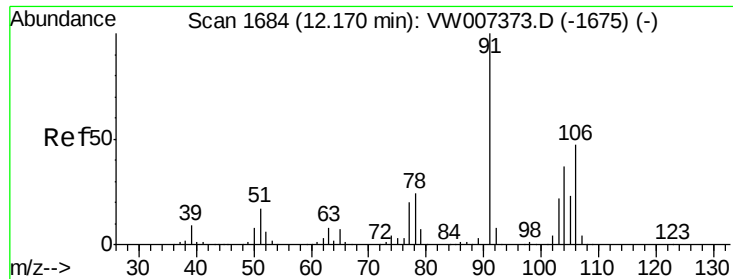
MMDadoda
12/14/2018 11:24:09 AM



#68
m/p-Xylenes
Concen: 103.039 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion: 106 Resp: 175011
Ion Ratio Lower Upper
106 100
91 206.0 165.3 247.9





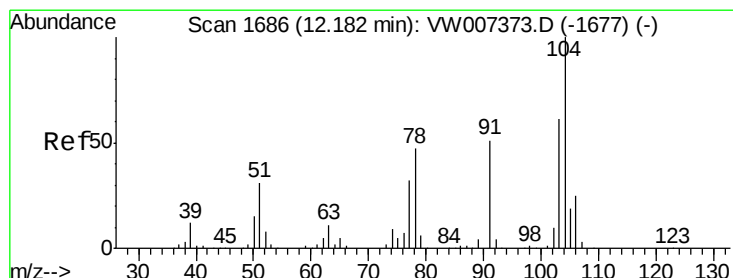
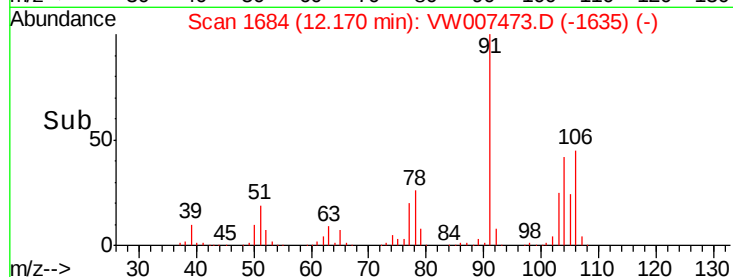
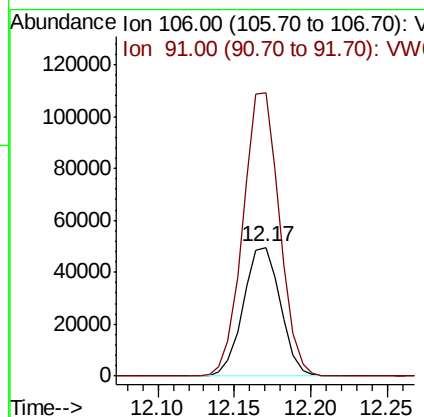
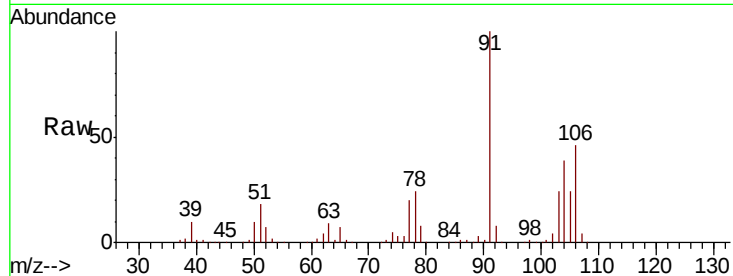
#69
o-Xylene
Concen: 52.881 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 83884
Ion Ratio Lower Upper
106 100
91 216.0 106.6 319.8

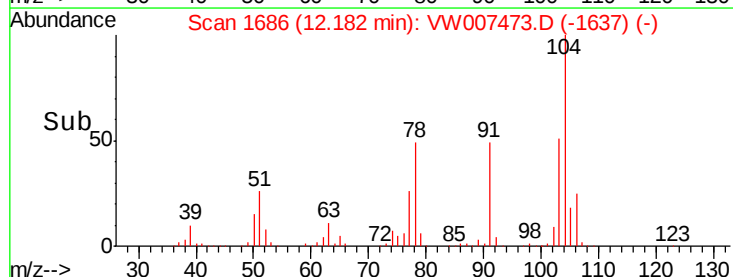
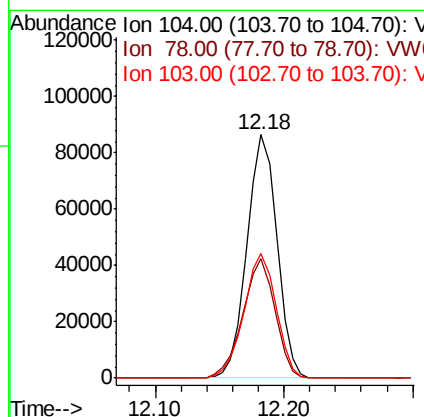
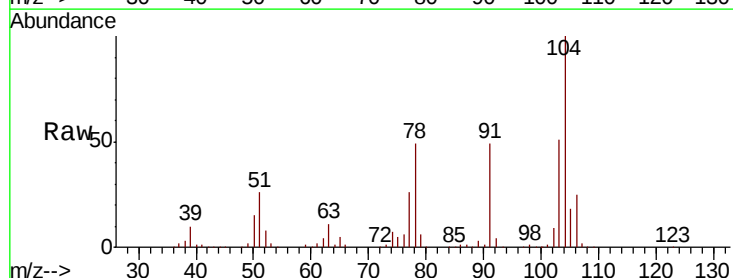
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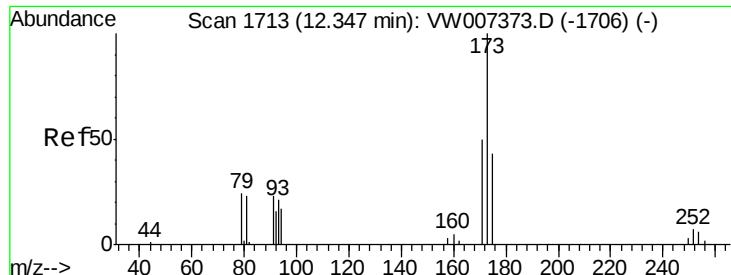
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#70
Styrene
Concen: 54.236 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion:104 Resp: 138961
Ion Ratio Lower Upper
104 100
78 52.7 41.8 62.8
103 55.2 46.6 69.8





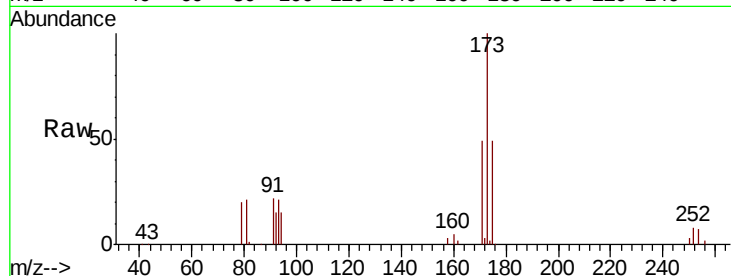
#71
Bromoform
Concen: 52.041 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

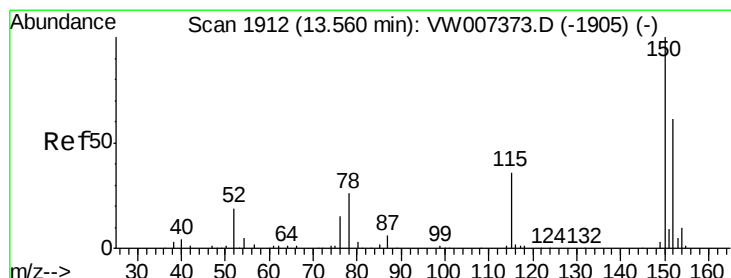
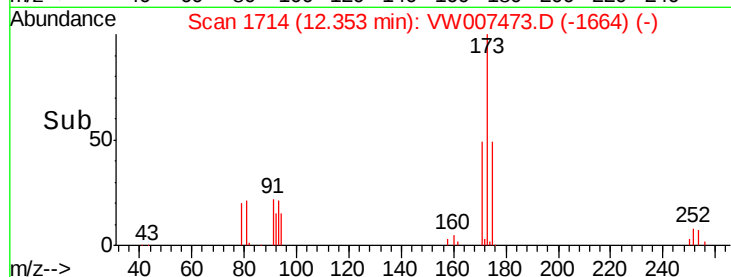
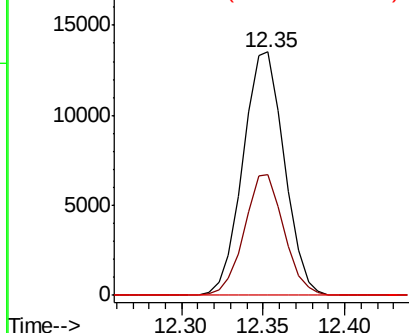
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.6	70.8
254	0.0	0.0	0.0

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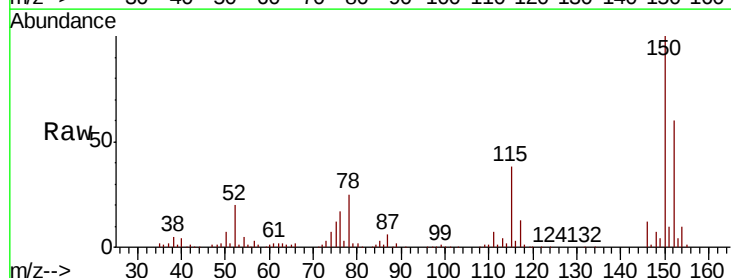


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

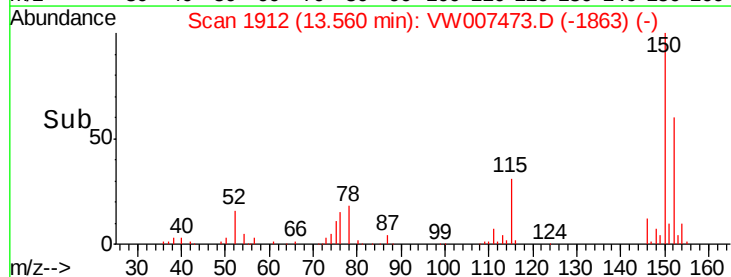
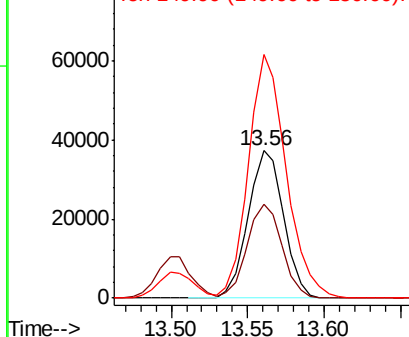


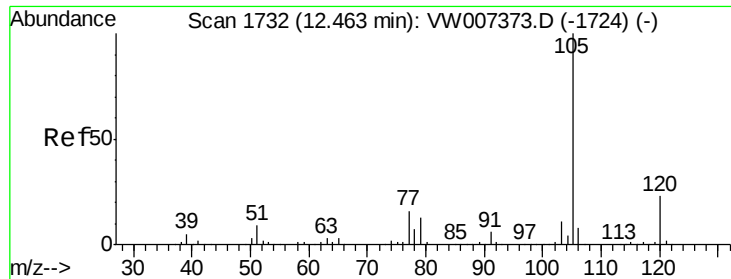
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.4	94.2
150	175.7	0.0	358.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





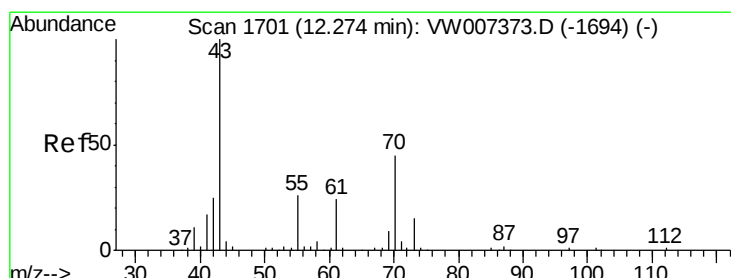
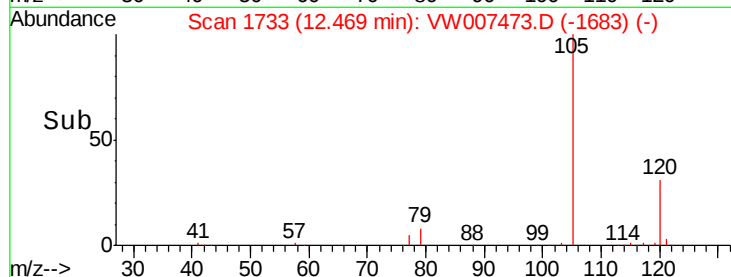
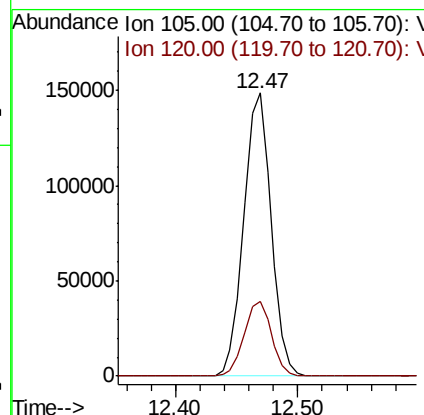
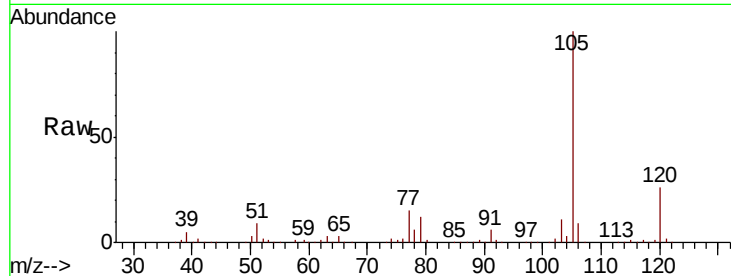
#73
Isopropylbenzene
Concen: 50.177 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 230202
Ion Ratio Lower Upper
105 100
120 26.5 12.8 38.4

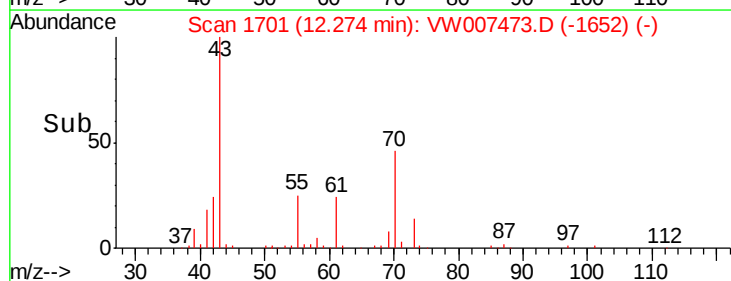
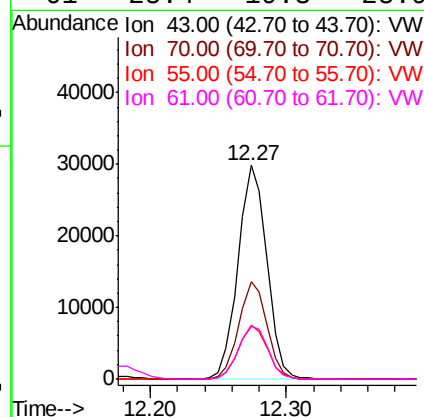
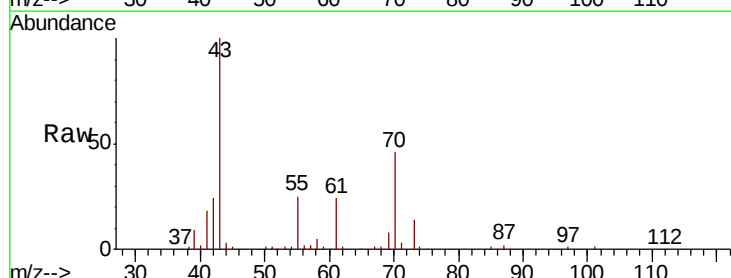
Manual Integrations
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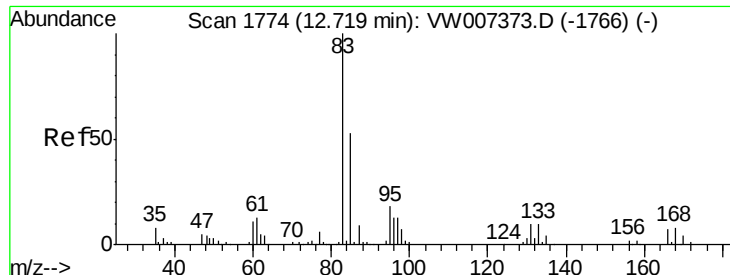
MMDadoda
12/14/2018 11:24:09 AM



#74
N-ethyl acetate
Concen: 52.790 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion: 43 Resp: 44016
Ion Ratio Lower Upper
43 100
70 44.5 36.5 54.7
55 25.2 20.1 30.1
61 25.4 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.373 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

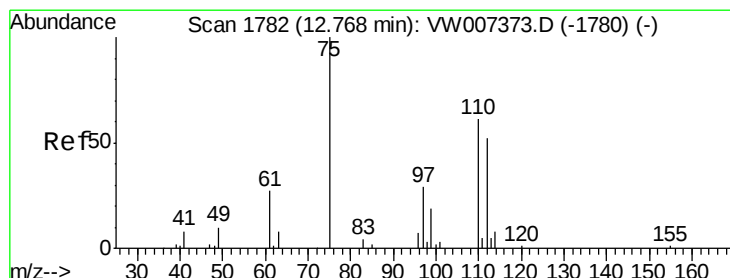
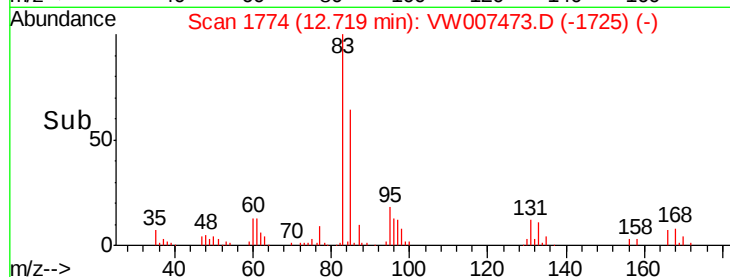
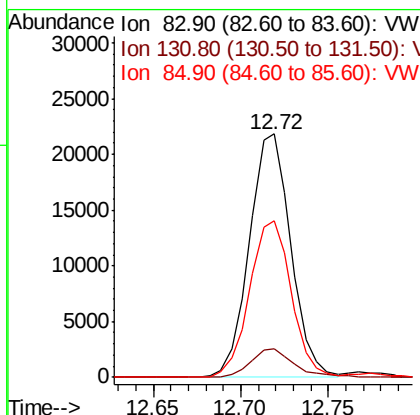
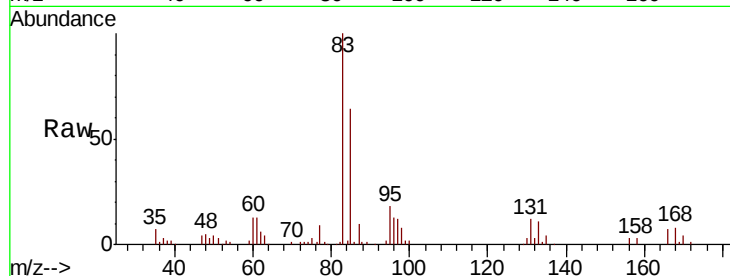
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	36267
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.9	17.8
85	64.6	30.0	90.0

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#76

1,2,3-Trichloropropane

Concen: 55.506 ug/l m

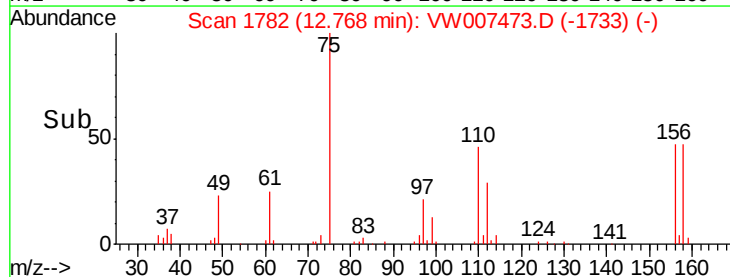
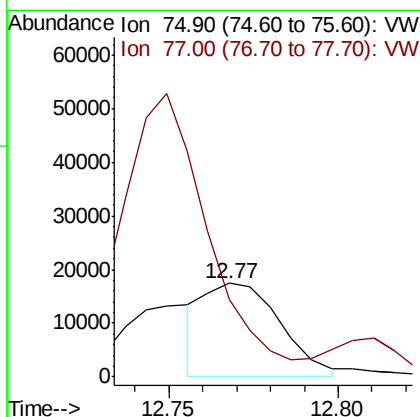
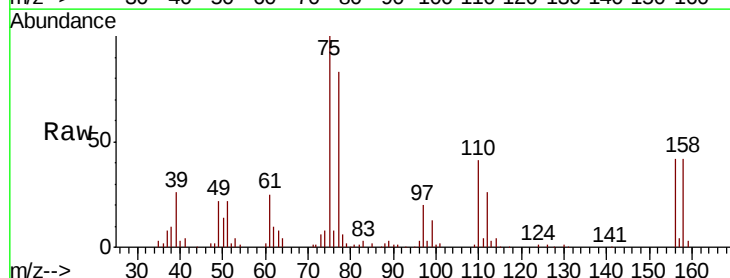
RT: 12.77 min Scan# 1782

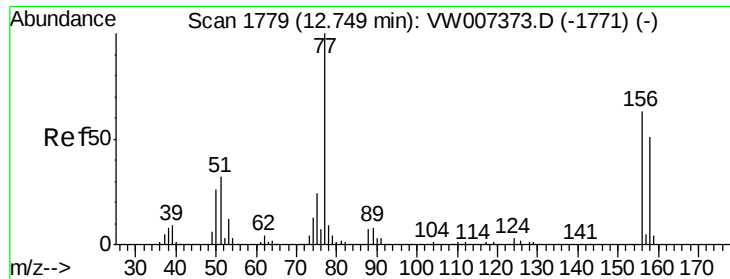
Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Tgt Ion:	75	Resp:	27402
Ion Ratio	Lower	Upper	
75	100		
77	347.3	166.9	500.8





#77

Bromobenzene

Concen: 51.705 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

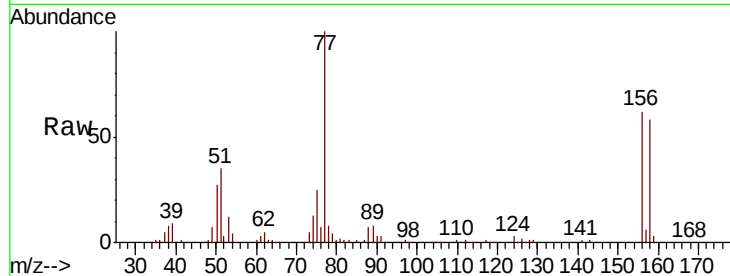
ClientSampleId :

VSTDCCC050

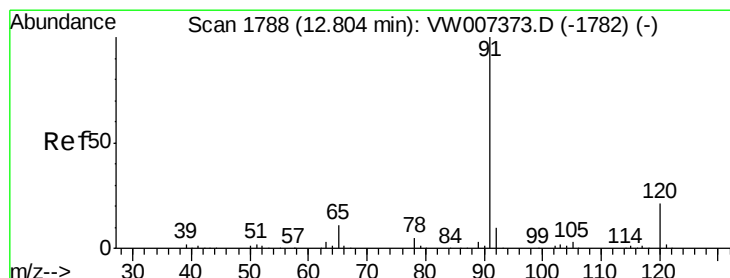
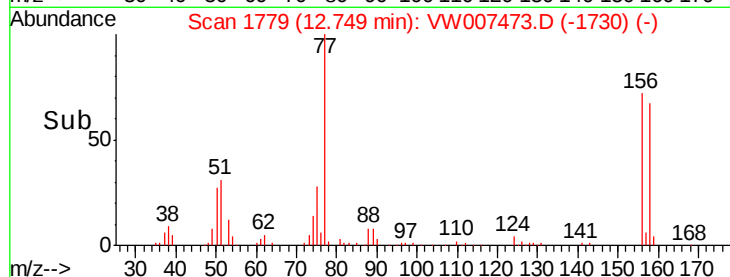
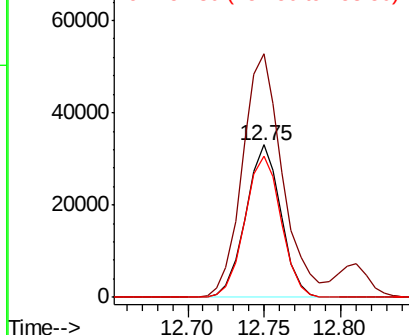
Tot Ion:	156	Resp:	52580
Ion Ratio	Lower	Upper	
156	100		
77	181.0	88.1	264.4
158	95.7	45.6	136.7

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



#78

n-propylbenzene

Concen: 52.105 ug/l

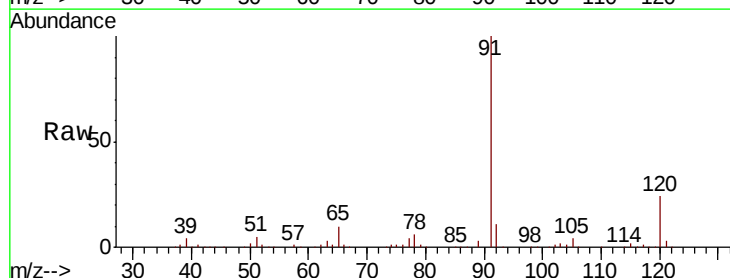
RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

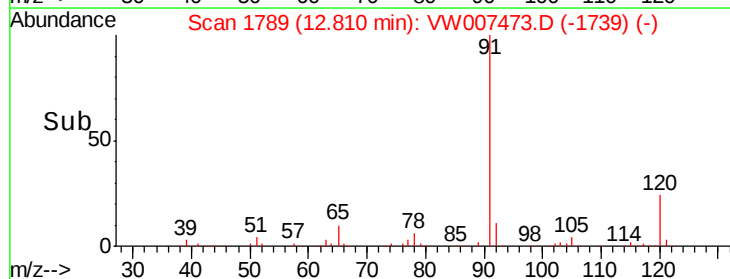
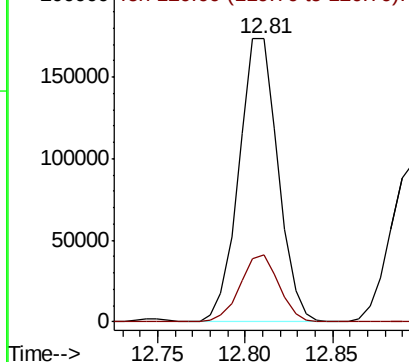
Lab File: VW007473.D

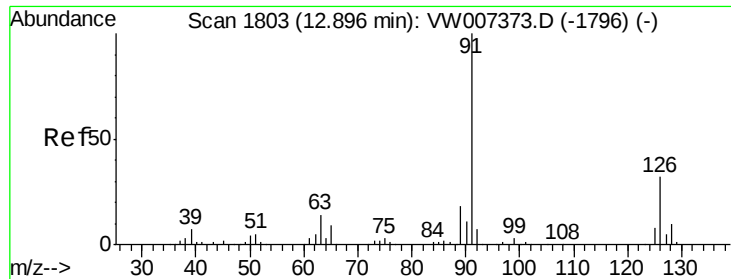
Acq: 13 Dec 2018 07:50

Tgt Ion:	91	Resp:	269024
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.5



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





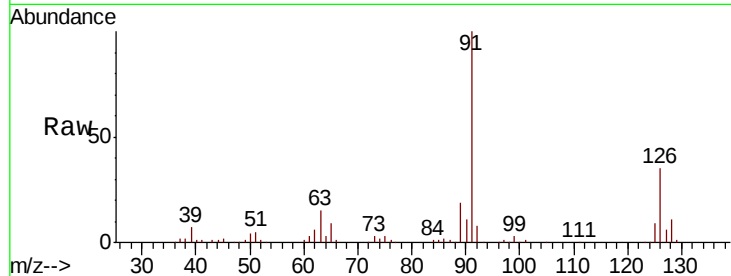
#79
2-Chlorotoluene
Concen: 50.768 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

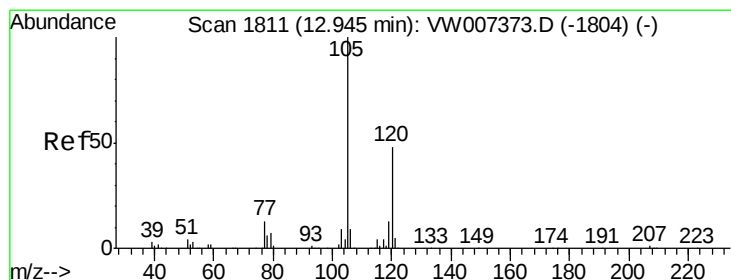
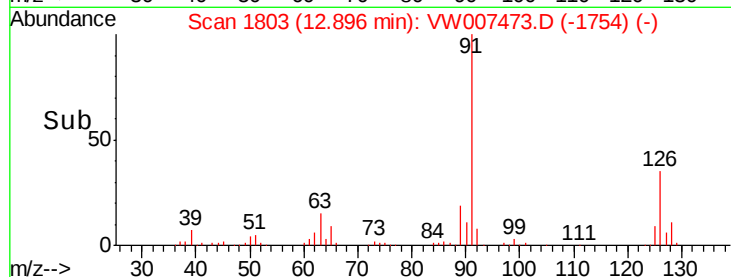
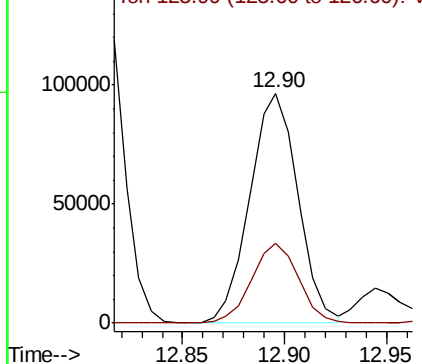
Tot Ion: 91 Resp: 158603
Ion Ratio Lower Upper
91 100
126 33.7 15.9 47.6

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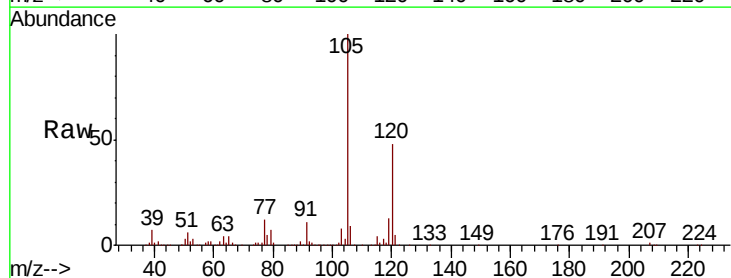


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

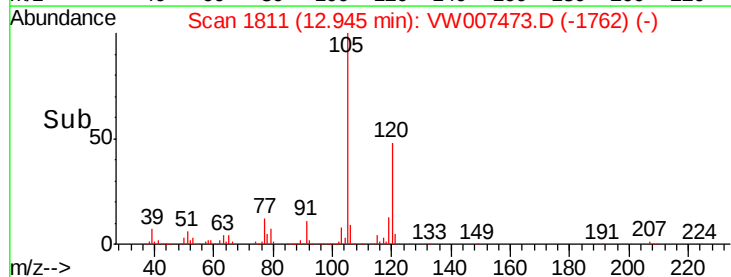
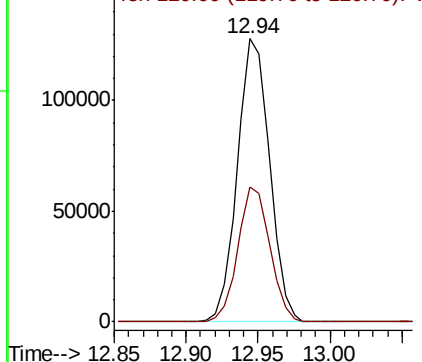


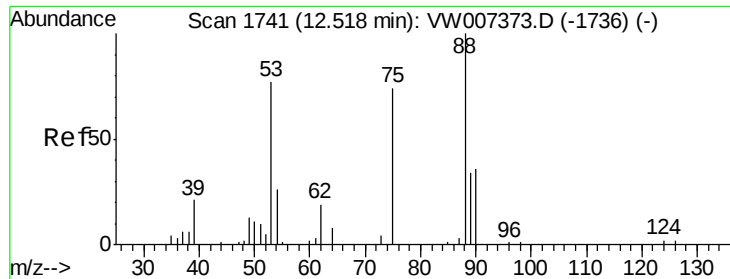
#80
1,3,5-Trimethylbenzene
Concen: 51.662 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion:105 Resp: 199151
Ion Ratio Lower Upper
105 100
120 47.1 23.8 71.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 48.639 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

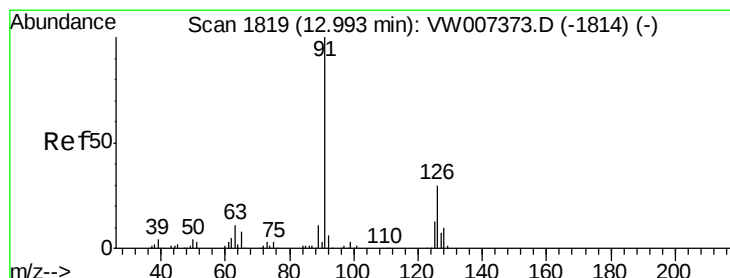
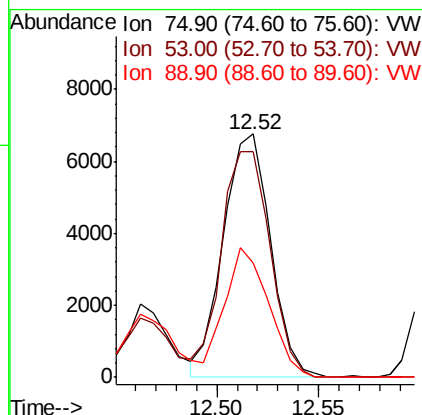
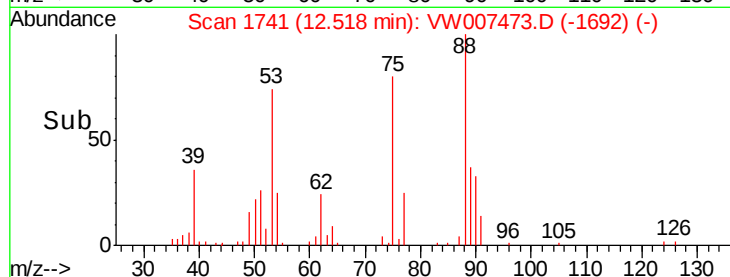
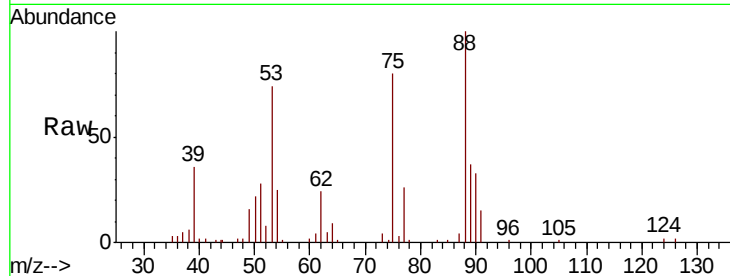
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	10870
Ion	Ratio	Lower	Upper
75	100		
53	95.7	84.9	127.3
89	49.4	40.3	60.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.303 ug/l

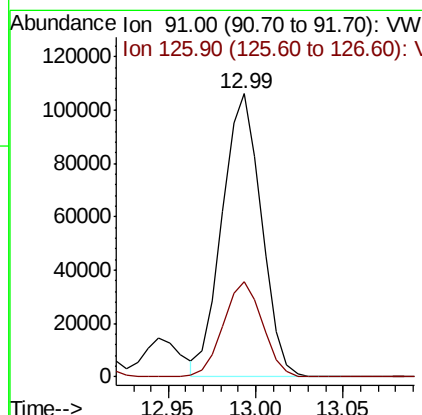
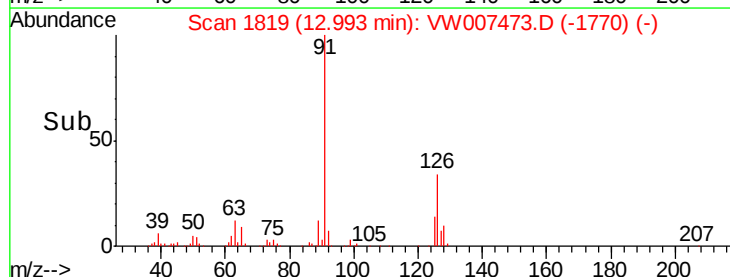
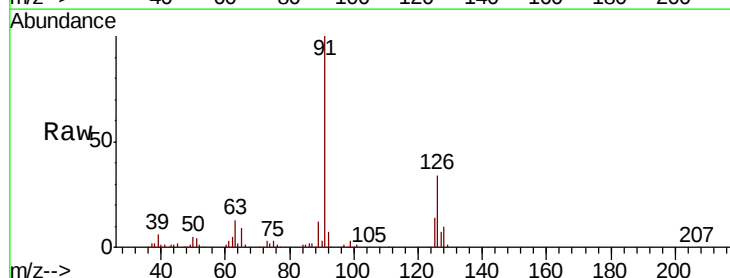
RT: 12.99 min Scan# 1819

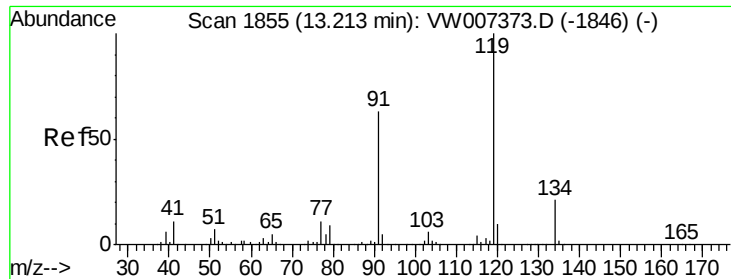
Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Tgt Ion:	91	Resp:	165652
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.0	48.0





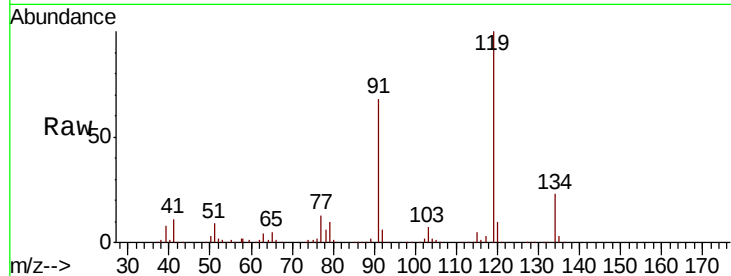
#83
tert-Butylbenzene
Concen: 51.763 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

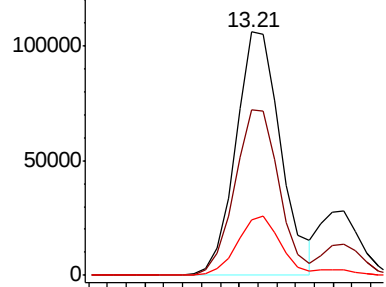
Tot Ion	Ratio	Resp	Lower	Upper
119	100	175821		
91	66.8	33.1	99.2	
134	25.1	12.5	37.5	

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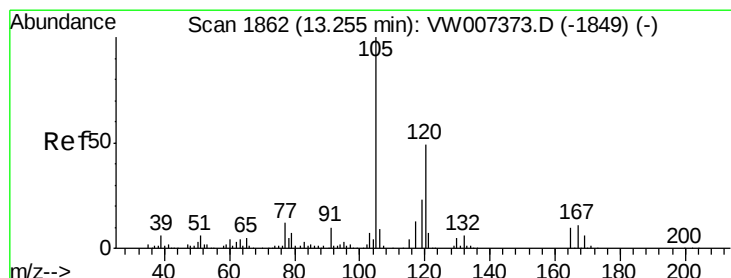
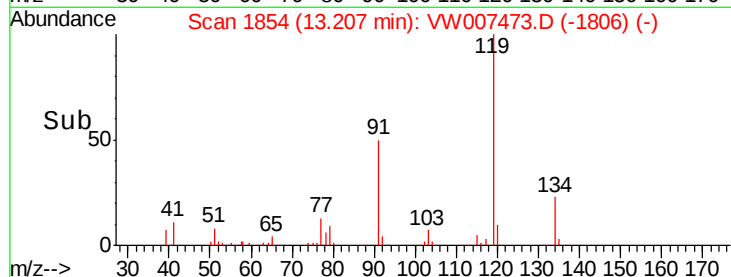
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

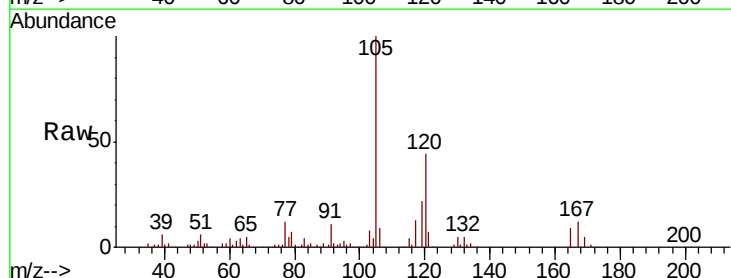


Time-->

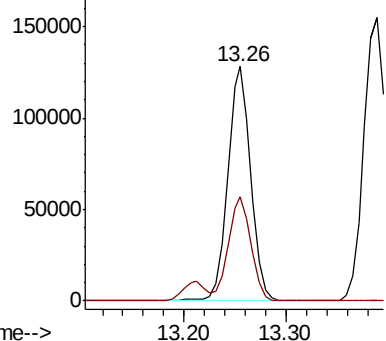


#84
1,2,4-Trimethylbenzene
Concen: 50.406 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

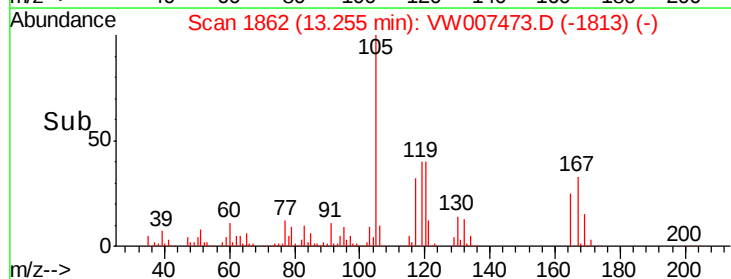
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	199954		
120	44.3	22.6	67.7	

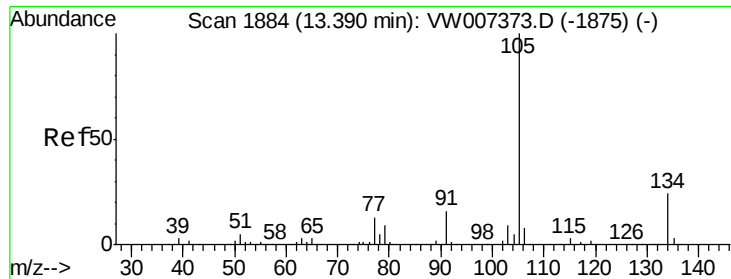


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 51.506 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 238828

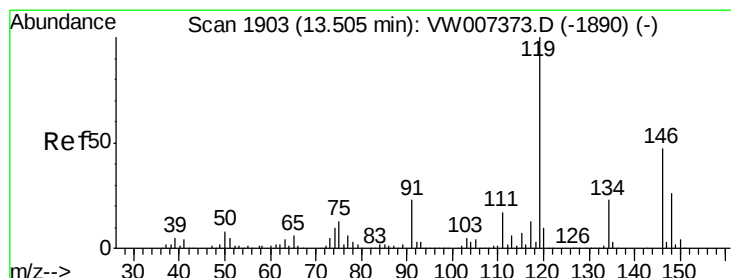
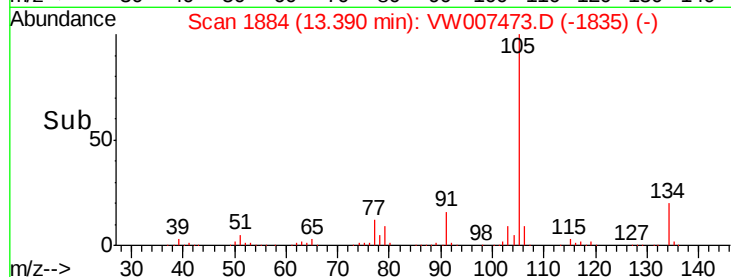
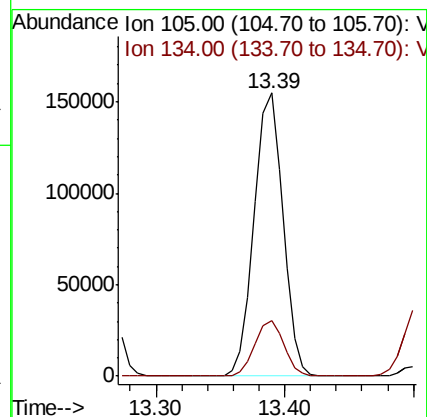
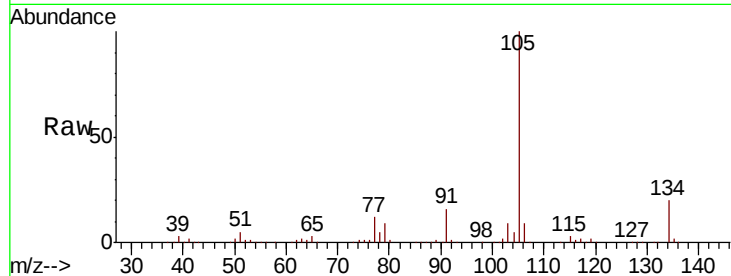
Ion Ratio Lower Upper

105 100

134 19.8 11.1 33.3

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#86

p-Isopropyltoluene

Concen: 51.249 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

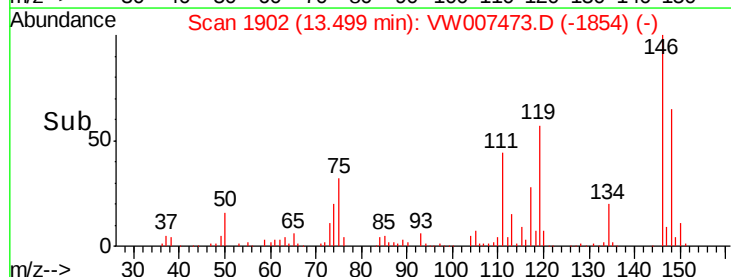
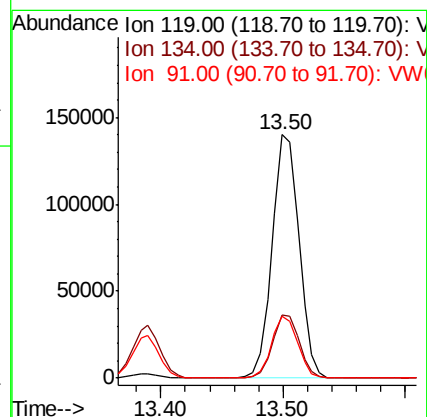
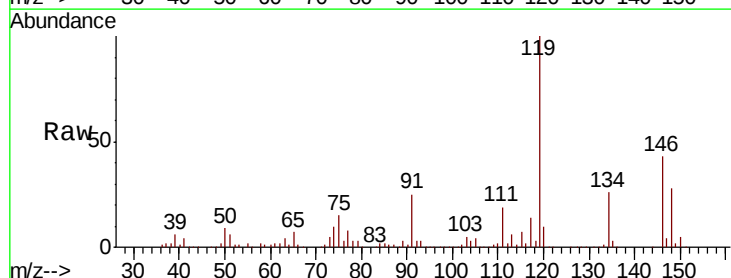
Tgt Ion:119 Resp: 213483

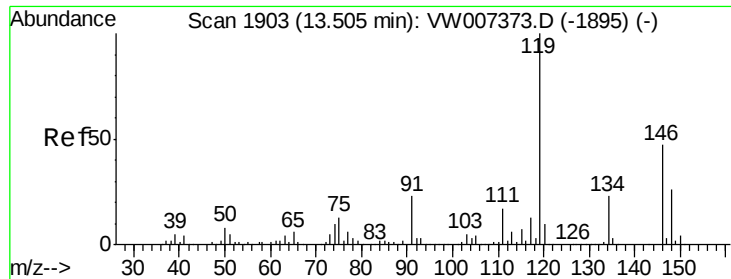
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 24.9 11.9 35.9





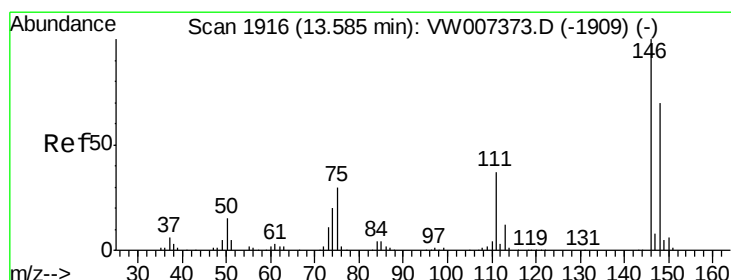
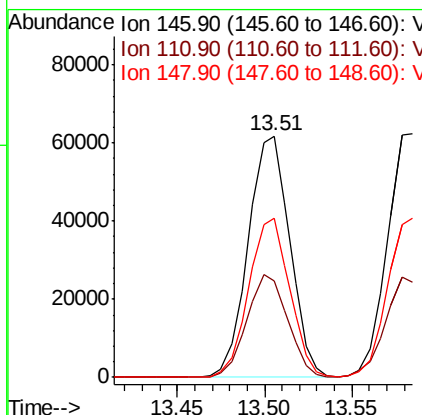
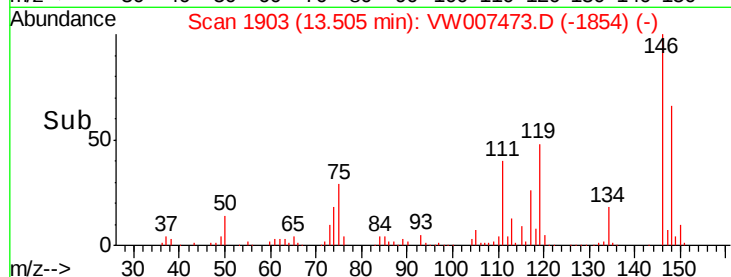
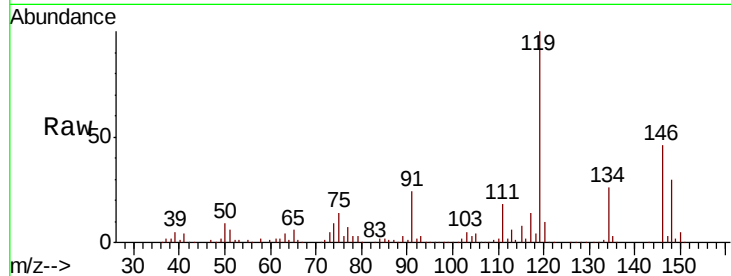
#87
 1,3-Dichlorobenzene
 Concen: 50.288 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007473.D
 Acq: 13 Dec 2018 07:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.3
148	64.9	31.4	94.0

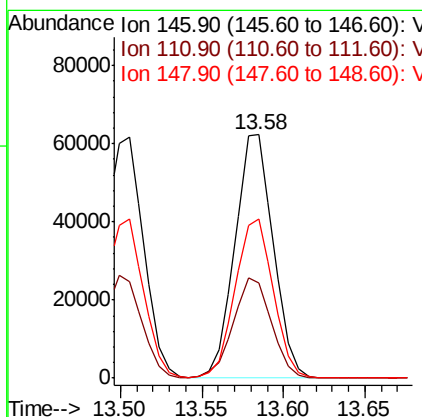
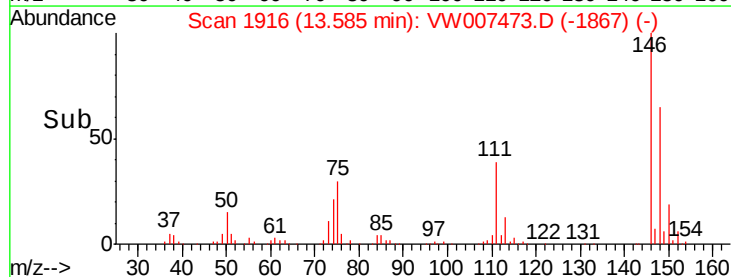
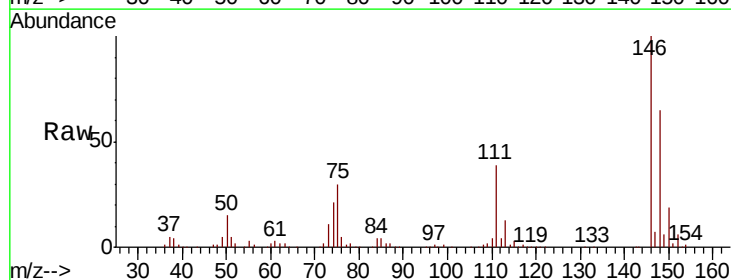
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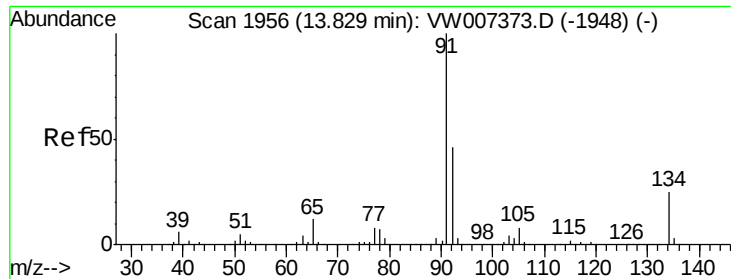
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#88
 1,4-Dichlorobenzene
 Concen: 50.101 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007473.D
 Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	61.0
148	64.8	33.5	100.5





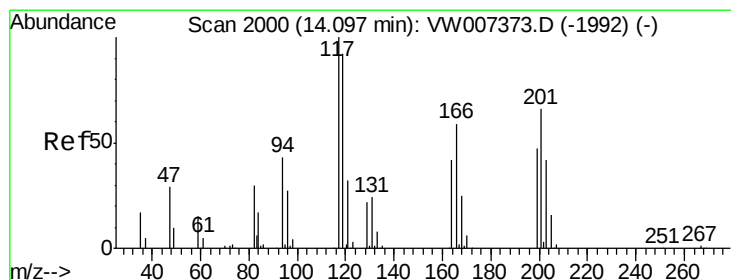
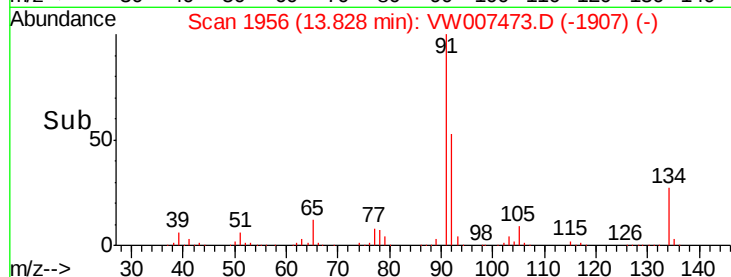
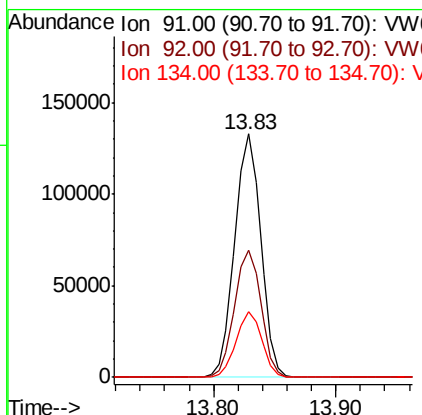
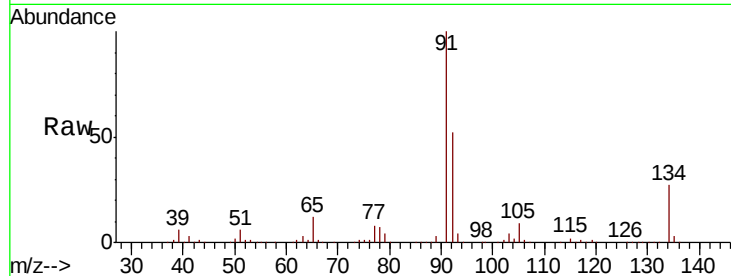
#89
n-Butylbenzene
Concen: 50.787 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	25.7	77.1
134	26.5	13.4	40.2

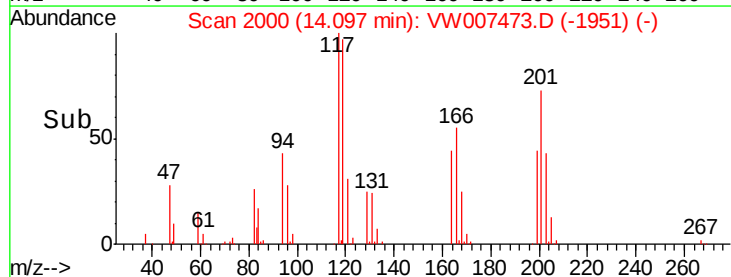
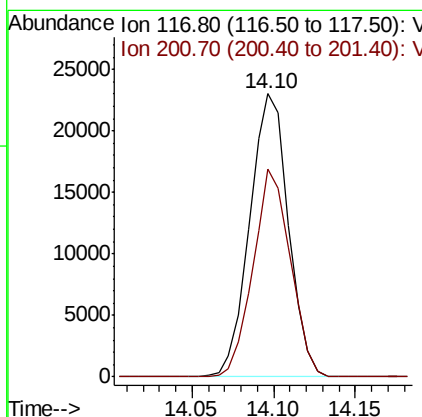
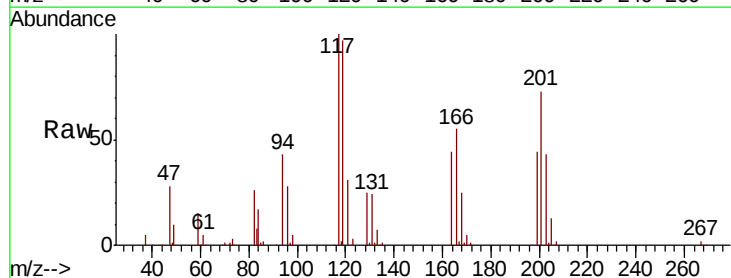
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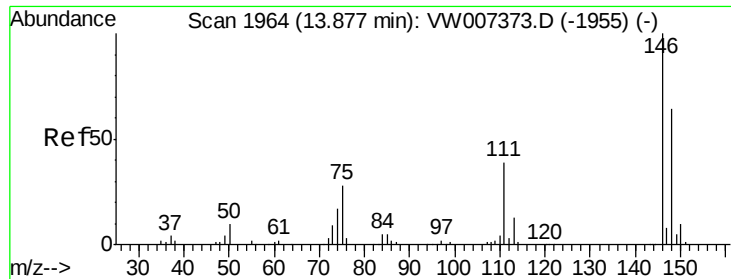
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#90
Hexachloroethane
Concen: 51.235 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.3	105.9





#91

1,2-Dichlorobenzene

Concen: 51.757 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

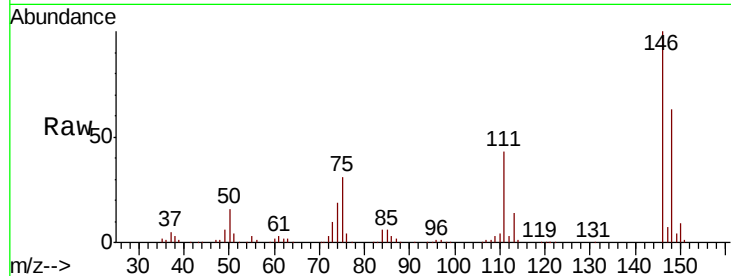
ClientSampleId :

VSTDCCC050

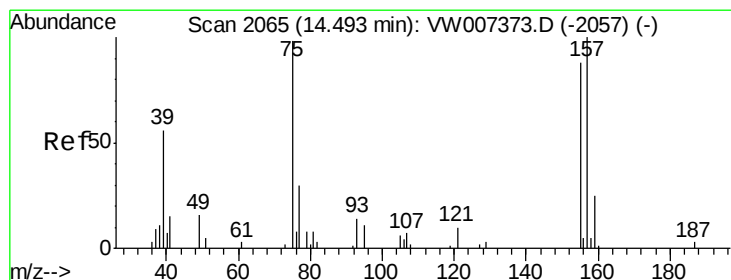
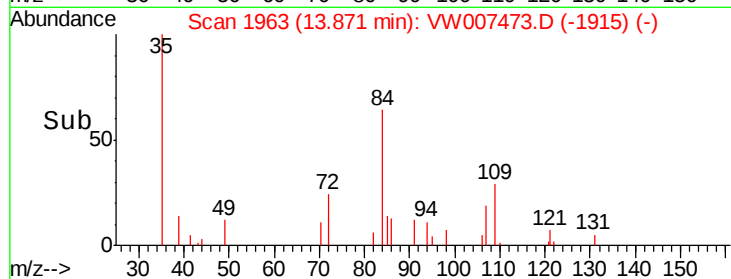
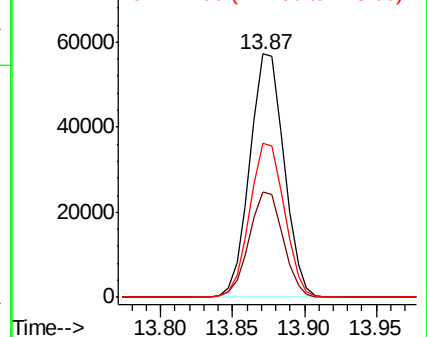
Tot Ion:	146	Resp:	93991
Ion Ratio	Lower	Upper	
146	100		
111	42.9	22.4	67.2
148	63.9	32.4	97.2

Manual Integrations
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MMDadoda
12/14/2018 11:24:09 AM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.835 ug/l

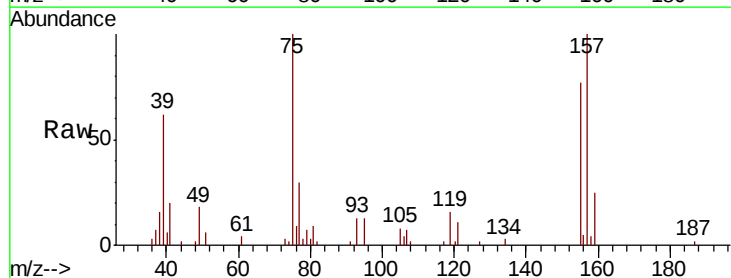
RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

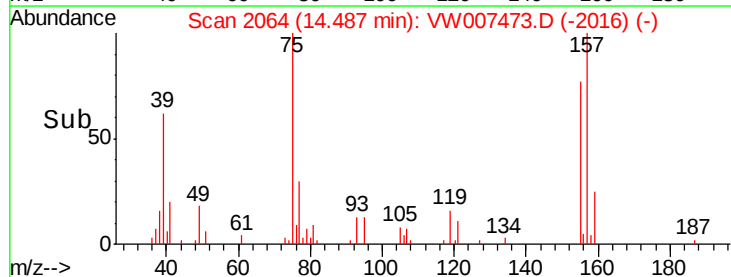
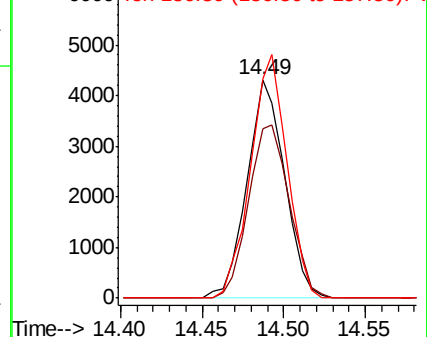
Lab File: VW007473.D

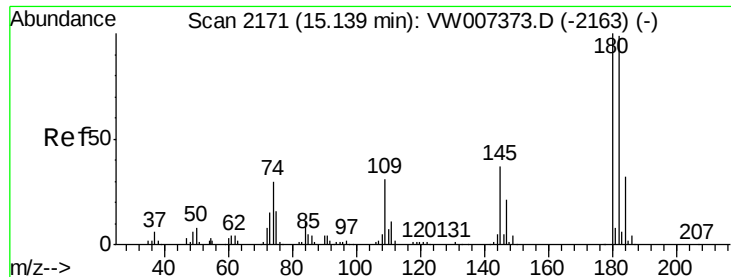
Acq: 13 Dec 2018 07:50

Tgt Ion:	75	Resp:	6932
Ion Ratio	Lower	Upper	
75	100		
155	86.0	40.8	122.2
157	108.0	51.1	153.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





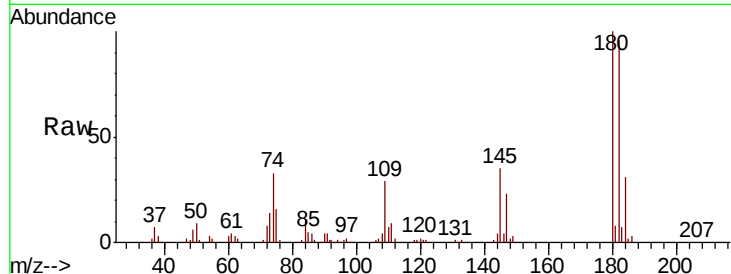
#93
1,2,4-Trichlorobenzene
Concen: 49.631 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	49.9	149.6
145	34.7	17.8	53.4

Manual Integrations
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12/14/2018 11:24:09 AM

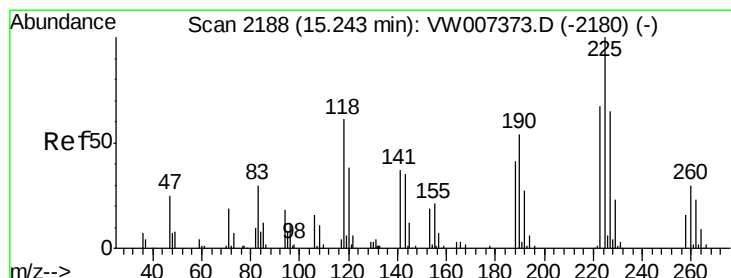
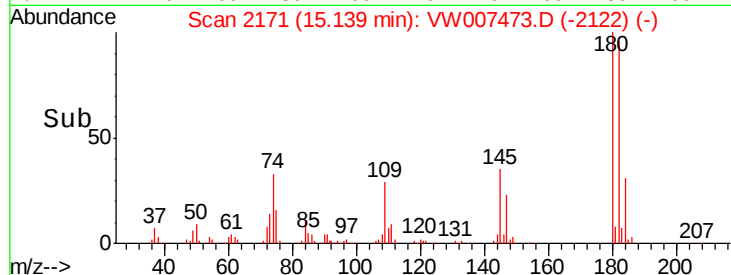
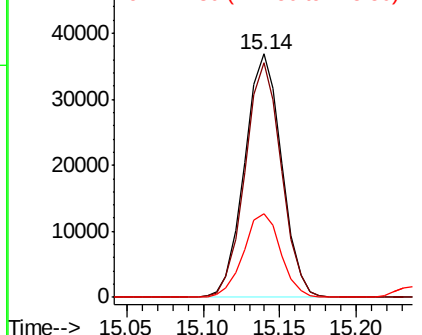


Abundance

Ion 179.80 (179.50 to 180.50): V

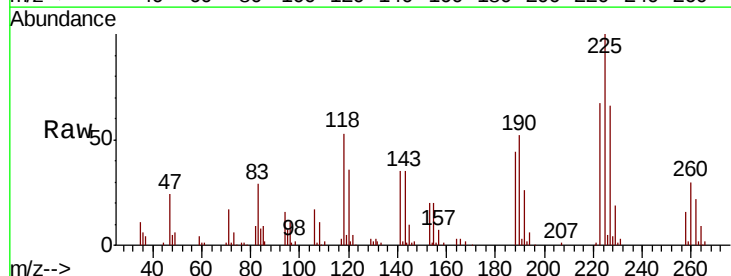
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 47.836 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007473.D
Acq: 13 Dec 2018 07:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.1	96.3
227	61.5	31.9	95.9

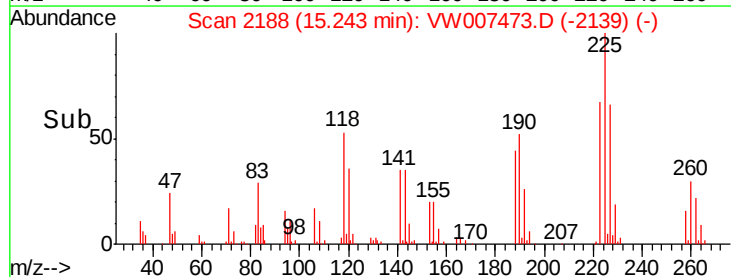
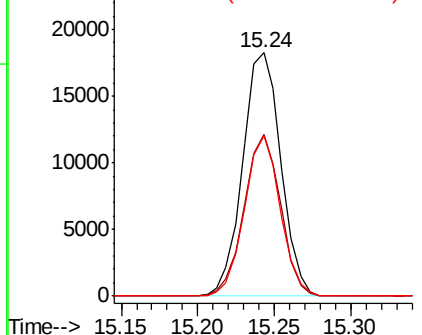


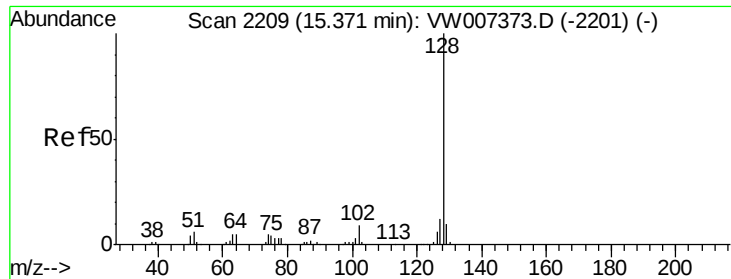
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.757 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Instrument :

MSVOA_W

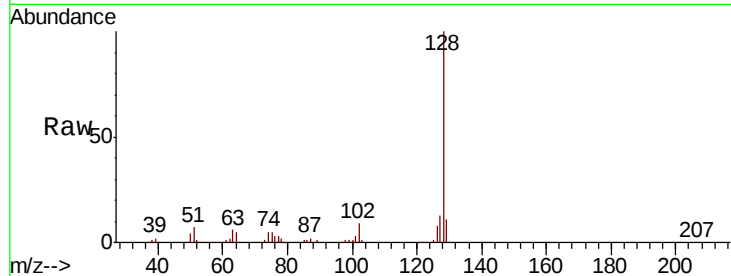
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	126132
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
12/14/2018 11:24:09 AM

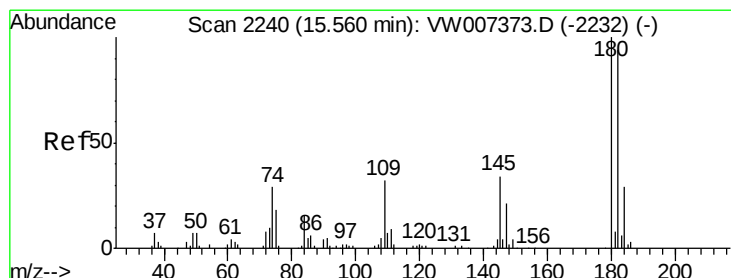
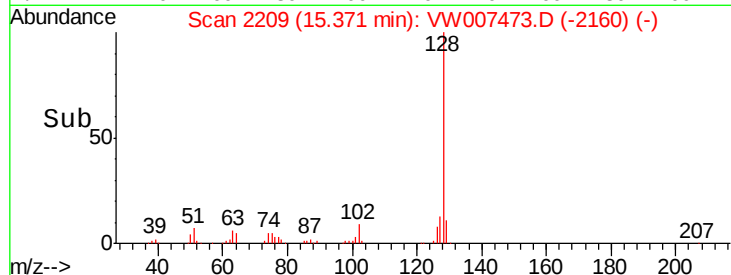
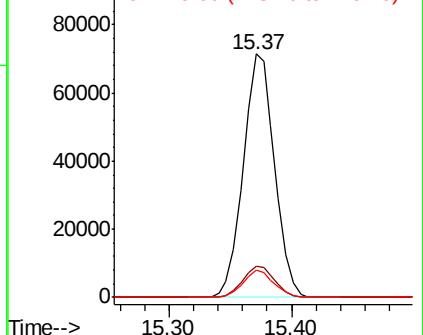


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.271 ug/l

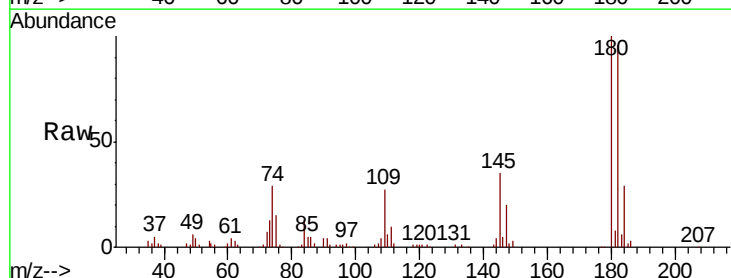
RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW007473.D

Acq: 13 Dec 2018 07:50

Tgt Ion:	180	Resp:	54576
Ion Ratio	Lower	Upper	
180	100		
182	95.3	45.6	136.7
145	36.8	17.5	52.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

