

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040119\
 Data File : VX008574.D
 Acq On : 01 Apr 2019 17:20
 Operator : JC/SP
 Sample : K2189-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 10:06:17 AM

Quant Time: Apr 02 02:07:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	178571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	134780	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	5.49	113	99749	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	8.71	98	395553	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	11.13	95	149090	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	75465	35.852	ug/l 99
3) Chloromethane	1.32	50	113632	42.684	ug/l 100
4) Vinyl Chloride	1.40	62	118793	40.420	ug/l 99
5) Bromomethane	1.64	94	45667	30.343	ug/l 100
6) Chloroethane	1.71	64	88046	50.571	ug/l 100
7) Trichlorofluoromethane	1.92	101	134407	40.380	ug/l 99
8) Diethyl Ether	2.18	74	69834	44.333	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81498	40.514	ug/l 99
10) Methyl Iodide	2.51	142	55441	30.115	ug/l 99
11) Tert butyl alcohol	3.06	59	177363	295.705	ug/l 98
12) 1,1-Dichloroethene	2.37	96	91572	44.079	ug/l 98
13) Acrolein	2.29	56	94477	216.905	ug/l 99
14) Allyl chloride	2.72	41	218888	47.825	ug/l 98
15) Acrylonitrile	3.14	53	393804	250.388	ug/l 100
16) Acetone	2.45	43	335740	237.285	ug/l 100
17) Carbon Disulfide	2.57	76	260598	43.672	ug/l 99
18) Methyl Acetate	2.77	43	169072	49.753	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	367336	49.067	ug/l 98
20) Methylene Chloride	2.85	84	115323	49.939	ug/l 99
21) trans-1,2-Dichloroethene	3.16	96	99076	47.849	ug/l 96
22) Diisopropyl ether	3.85	45	436665	48.453	ug/l 98
23) Vinyl Acetate	3.81	43	1901014	241.781	ug/l 100
24) 1,1-Dichloroethane	3.70	63	214554	47.157	ug/l 99
25) 2-Butanone	4.67	43	580694	255.996	ug/l 99
26) 2,2-Dichloropropane	4.58	77	143904	47.553	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	119871	47.186	ug/l 98
28) Bromochloromethane	5.02	49	104840	46.641	ug/l 100
29) Tetrahydrofuran	5.13	42	378234	252.996	ug/l 99
30) Chloroform	5.21	83	194265	47.312	ug/l 99
31) Cyclohexane	5.57	56	182063	41.957	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	156169	47.583	ug/l 100
36) 1,1-Dichloropropene	5.80	75	145215	44.435	ug/l 100
37) Ethyl Acetate	4.84	43	209540	49.493	ug/l 100
38) Carbon Tetrachloride	5.78	117	127288	46.672	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	156091	39.966	ug/l	99
40) Benzene	6.14	78	455253	46.532	ug/l	98
41) Methacrylonitrile	5.04	41	122298	51.402	ug/l	99
42) 1,2-Dichloroethane	6.19	62	165592	46.227	ug/l	100
43) Isopropyl Acetate	6.45	43	339170	50.085	ug/l	100
44) Trichloroethene	7.21	130	104443	45.465	ug/l	99
45) 1,2-Dichloropropane	7.51	63	132214	47.543	ug/l	99
46) Dibromomethane	7.66	93	76385	47.038	ug/l	99
47) Bromodichloromethane	7.90	83	152781	49.153	ug/l	100
48) Methyl methacrylate	7.77	41	173466	51.195	ug/l	98
49) 1,4-Dioxane	7.74	88	67361	999.836	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1163427	264.514	ug/l	99
52) Toluene	8.78	92	273771	46.799	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	173600	50.991	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	192908	49.829	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	115631	48.557	ug/l	99
56) Ethyl methacrylate	9.18	69	218540	50.841	ug/l	99
57) 1,3-Dichloropropane	9.37	76	204503	47.898	ug/l	100
59) 2-Hexanone	9.49	43	887343	260.363	ug/l	100
60) Dibromochloromethane	9.58	129	113690	50.201	ug/l	98
61) 1,2-Dibromoethane	9.67	107	118744	48.862	ug/l	100
64) Tetrachloroethene	9.34	164	84954	45.559	ug/l	98
65) Chlorobenzene	10.14	112	283215	47.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	102242	49.474	ug/l	98
67) Ethyl Benzene	10.25	91	531075	46.978	ug/l	99
68) m/p-Xylenes	10.36	106	381800	92.836	ug/l	99
69) o-Xylene	10.69	106	188509	47.233	ug/l	99
70) Styrene	10.71	104	331103	48.028	ug/l	100
71) Bromoform	10.85	173	84061	51.506	ug/l #	99
73) Isopropylbenzene	11.02	105	498314	46.979	ug/l	100
74) N-amyl acetate	10.90	43	302567	49.282	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	196134	47.657	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	167050m	43.097	ug/l	
77) Bromobenzene	11.26	156	122483	47.578	ug/l	98
78) n-propylbenzene	11.36	91	576594	46.404	ug/l	99
79) 2-Chlorotoluene	11.42	91	350765	46.412	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	418614	46.681	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	63916	52.814	ug/l	99
82) 4-Chlorotoluene	11.51	91	401952	46.107	ug/l	99
83) tert-Butylbenzene	11.77	119	406309	46.962	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	422853	46.620	ug/l	99
85) sec-Butylbenzene	11.94	105	478908	46.482	ug/l	99
86) p-Isopropyltoluene	12.06	119	430700	47.375	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	213122	46.335	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	212561	45.790	ug/l	100
89) n-Butylbenzene	12.38	91	399899	46.434	ug/l	100
90) Hexachloroethane	12.60	117	73237	48.354	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	215368	46.757	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43838	48.852	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	145760	47.002	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	68373	46.433	ug/l	100
95) Naphthalene	13.83	128	510107	47.978	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	147797	47.429	ug/l	100

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

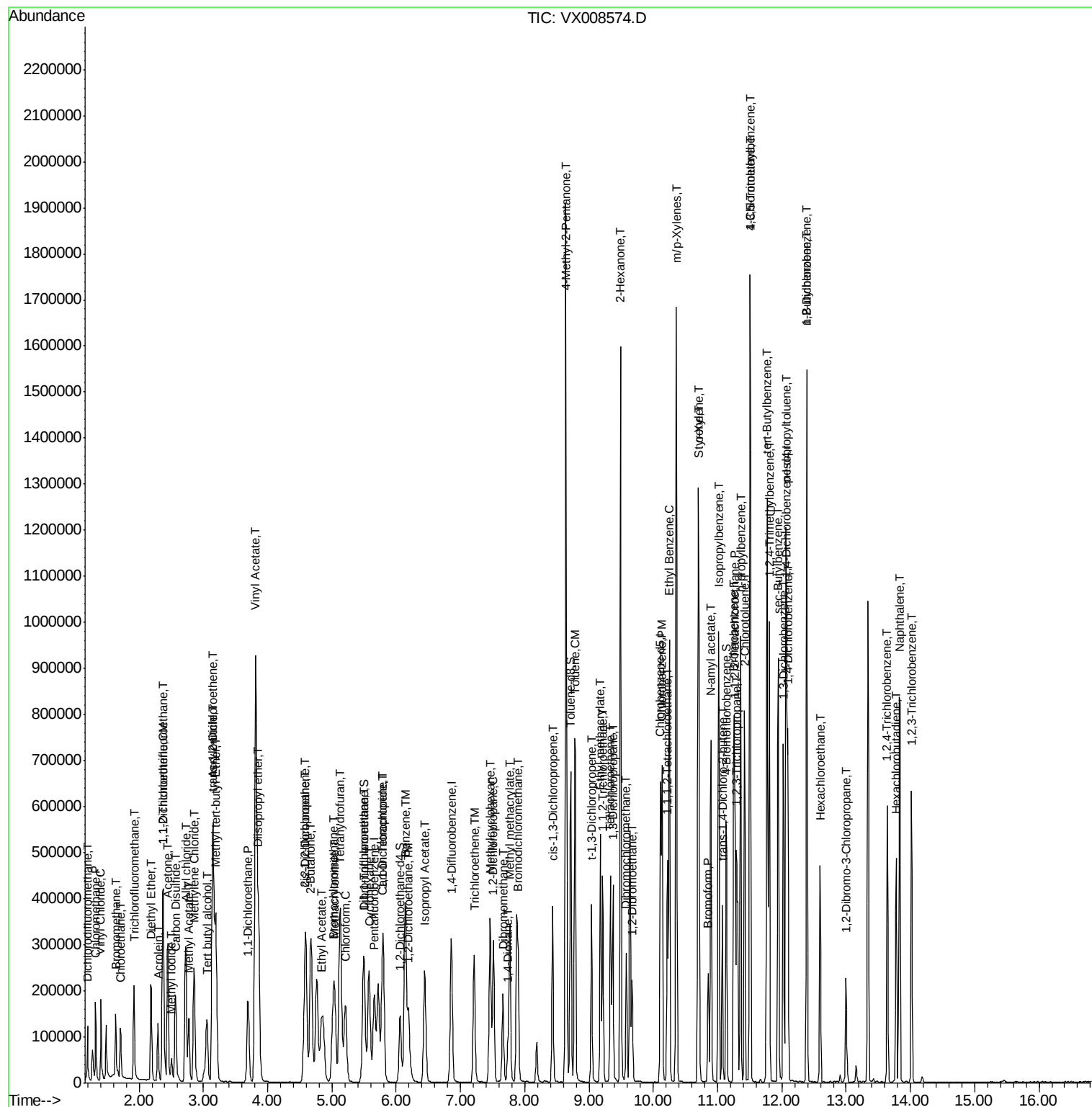
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 Data File : VX008574.D
 Acq On : 01 Apr 2019 17:20
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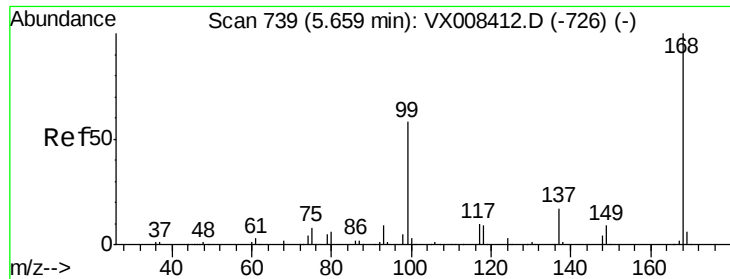
Instrument :
 MSVOA_X
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 BP-VPB201R-GW-818-820MSD

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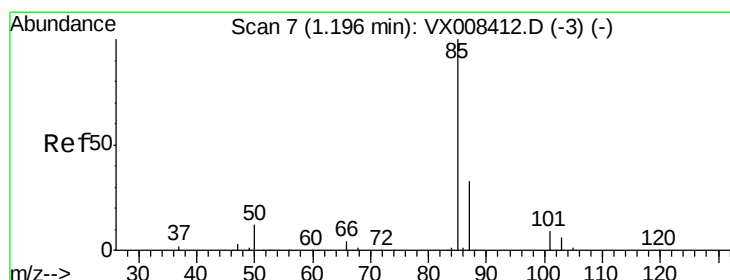
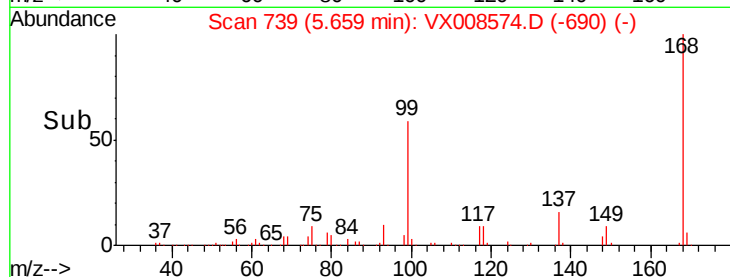
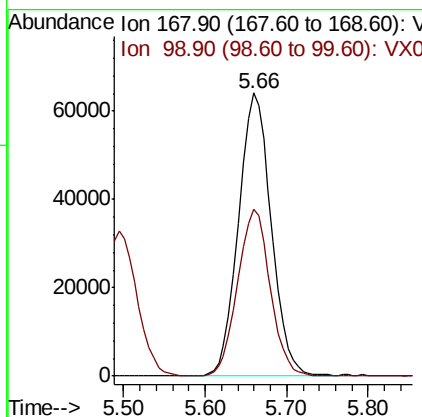
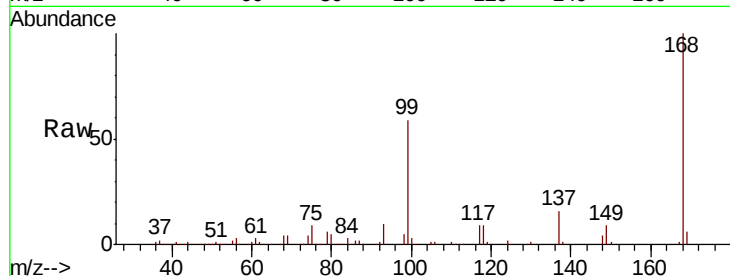
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.6	46.0	69.0

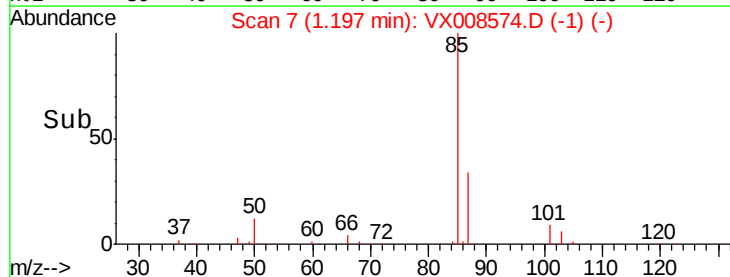
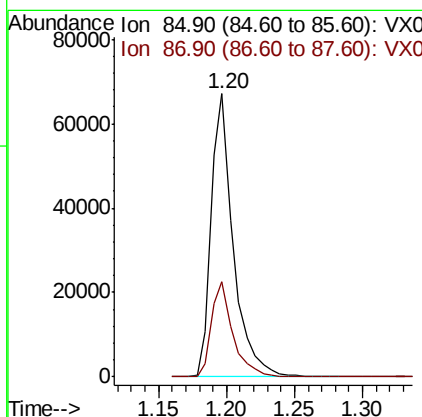
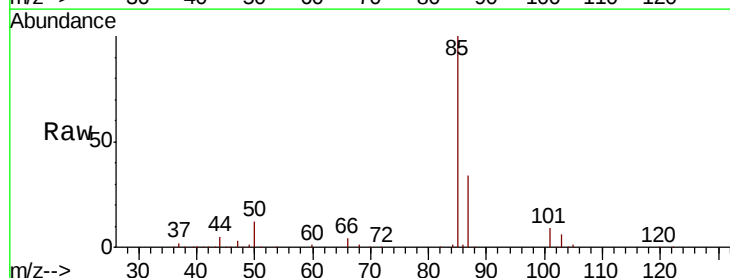
Manual Integrations
APPROVED

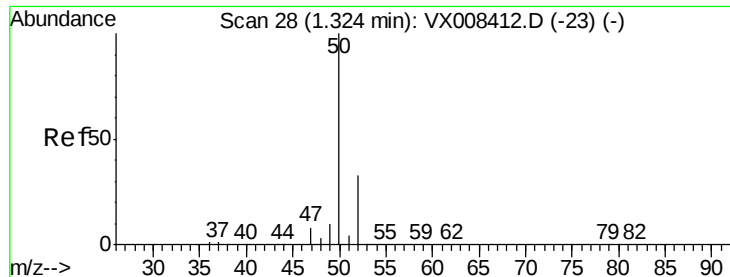
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#2
Dichlorodifluoromethane
Concen: 35.852 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.4	49.1





#3

Chloromethane

Concen: 42.684 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion: 50 Resp: 113632

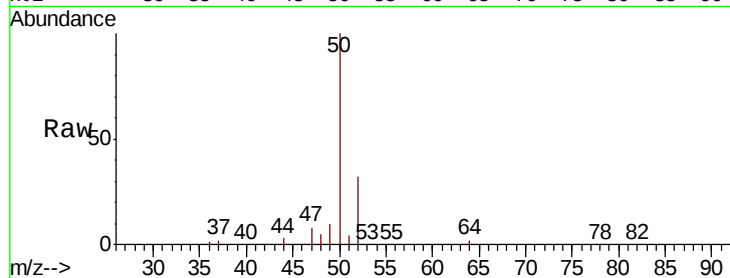
Ion Ratio Lower Upper

50 100

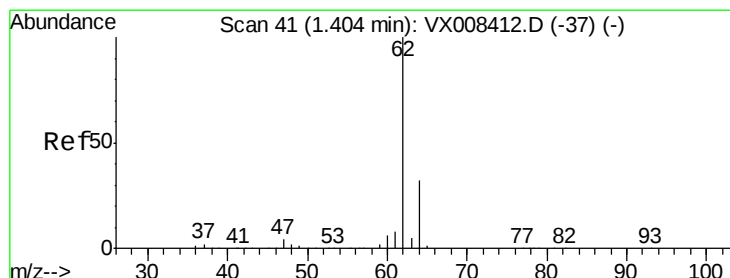
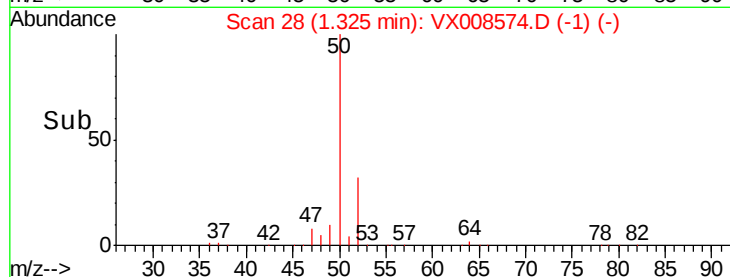
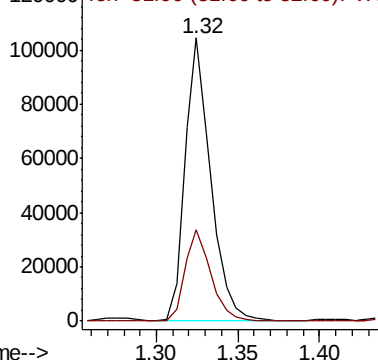
52 32.5 26.2 39.2

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 40.420 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008574.D

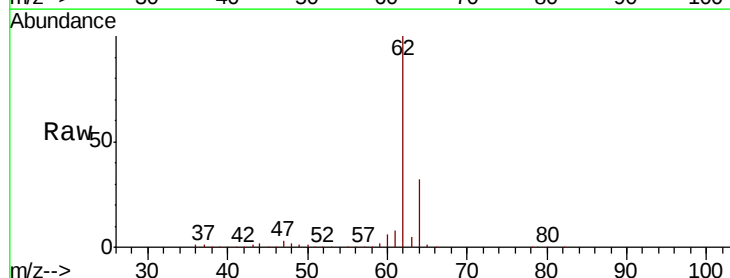
Acq: 01 Apr 2019 17:20

Tgt Ion: 62 Resp: 118793

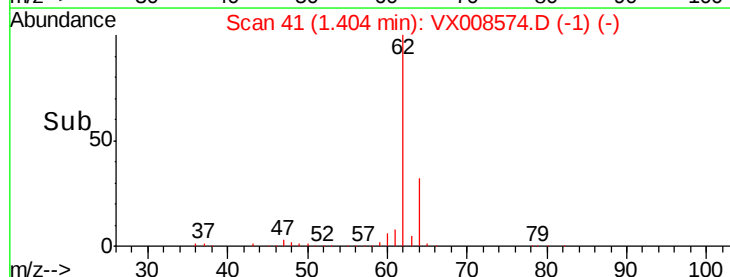
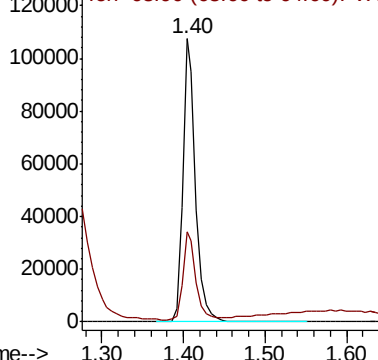
Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 30.343 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

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ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion: 94 Resp: 45667

Ion Ratio Lower Upper

94 100

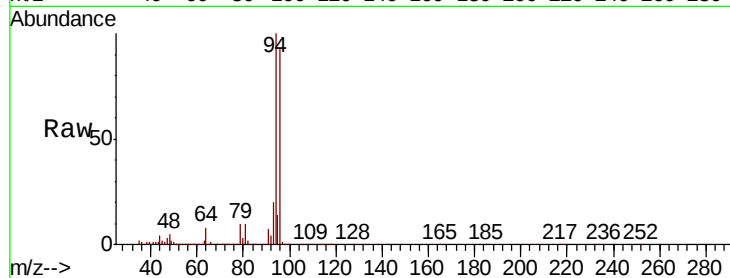
96 93.2 74.8 112.2

Manual Integrations

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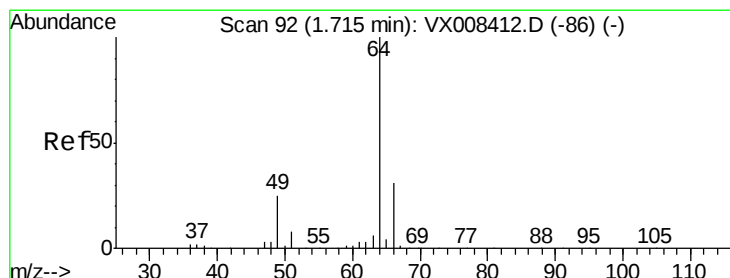
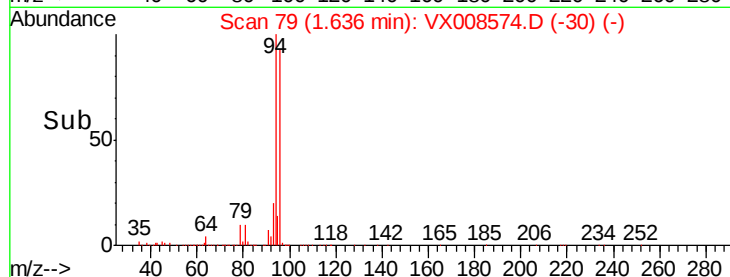
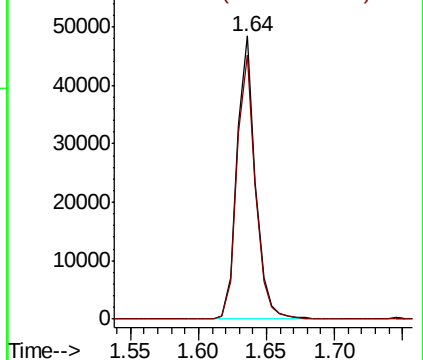
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.571 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008574.D

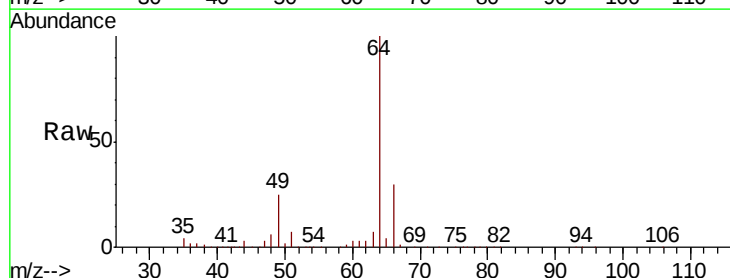
Acq: 01 Apr 2019 17:20

Tgt Ion: 64 Resp: 88046

Ion Ratio Lower Upper

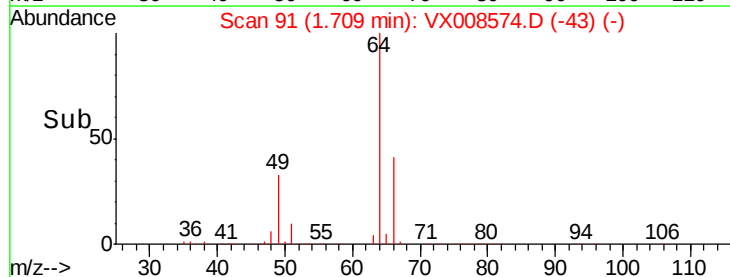
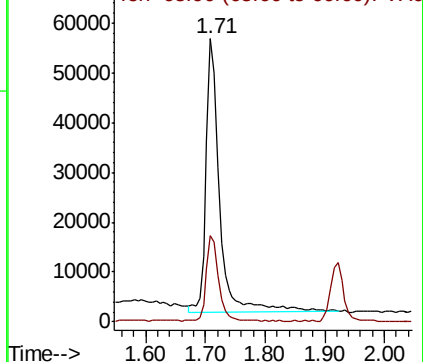
64 100

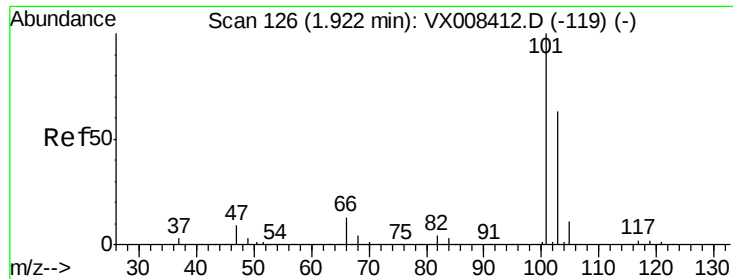
66 31.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

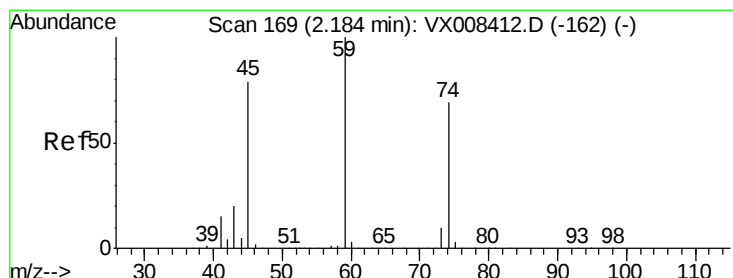
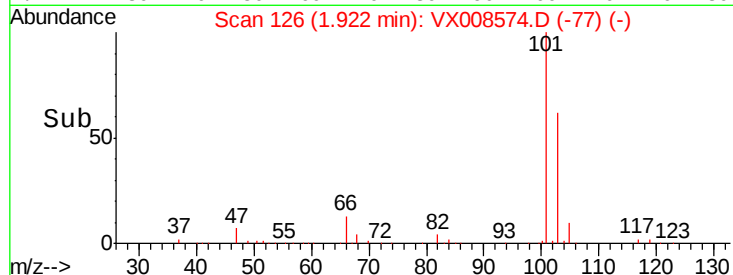
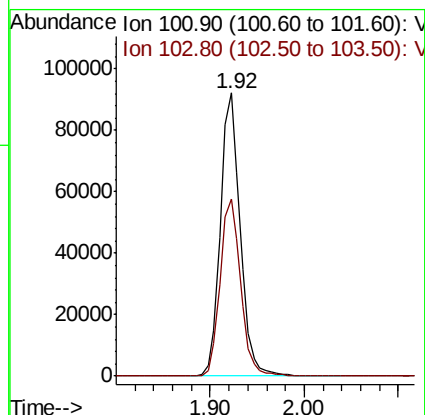
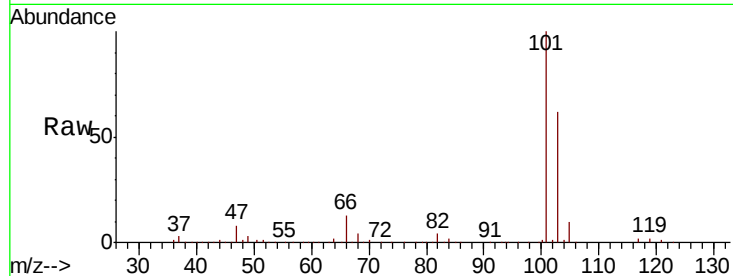
Trichlorofluoromethane
 Concen: 40.380 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

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Tot Ion: 101 Resp: 134407
 Ion Ratio Lower Upper
 101 100
 103 62.4 50.2 75.4

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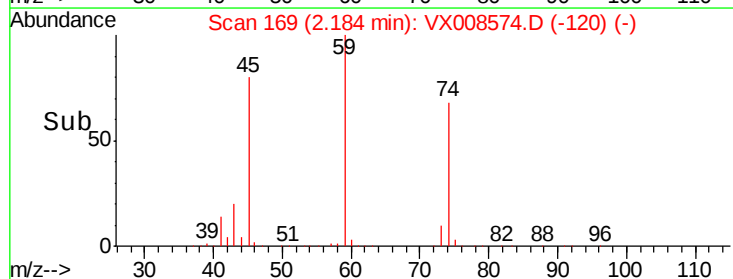
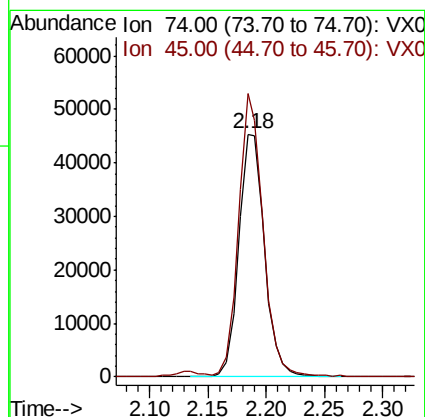
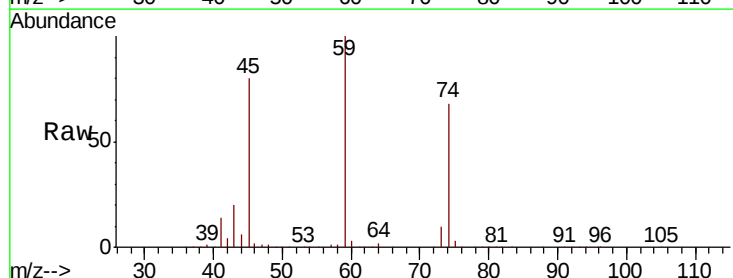
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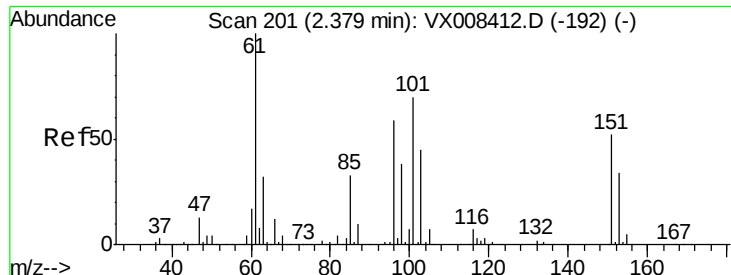


#8

Diethyl Ether
 Concen: 44.333 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion: 74 Resp: 69834
 Ion Ratio Lower Upper
 74 100
 45 109.8 56.4 169.2





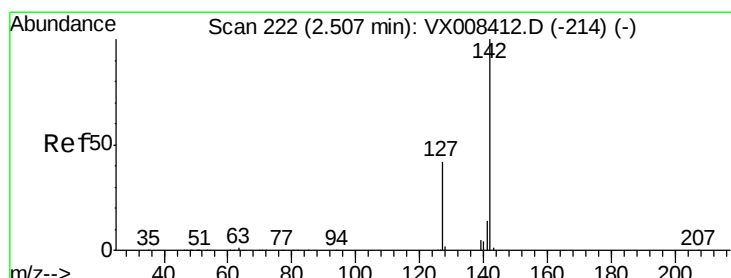
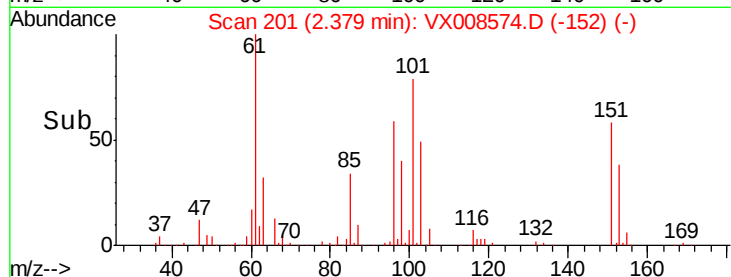
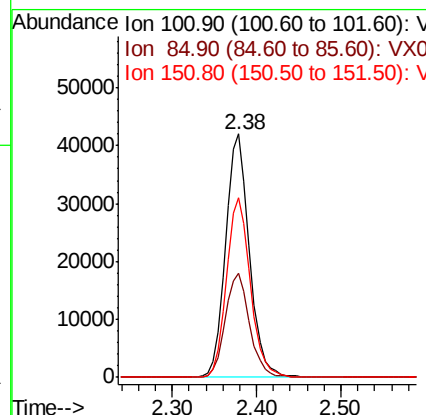
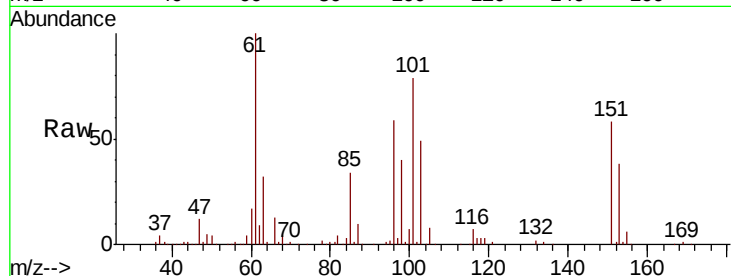
#9
1,1,2-Trichlorotrifluoroethane
Concen: 40.514 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	81498		
85	43.8	36.0	54.0	
151	74.1	59.2	88.8	

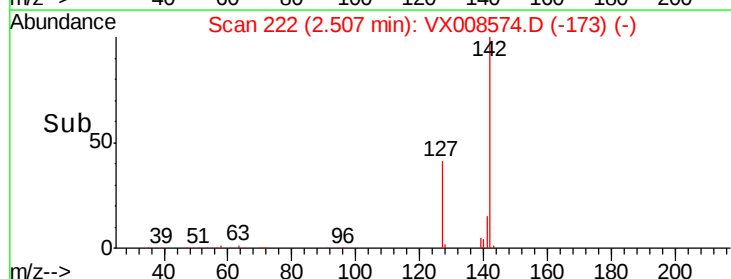
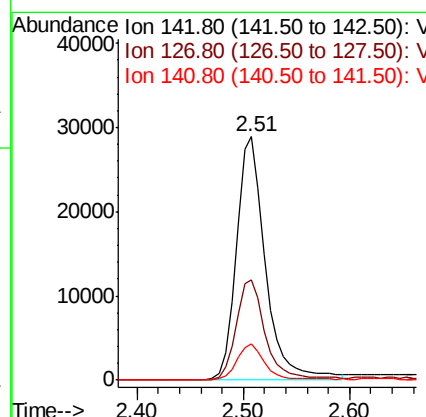
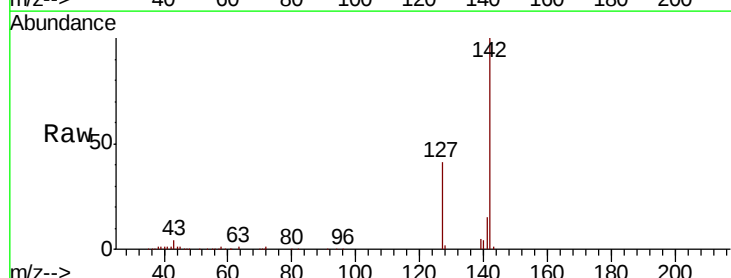
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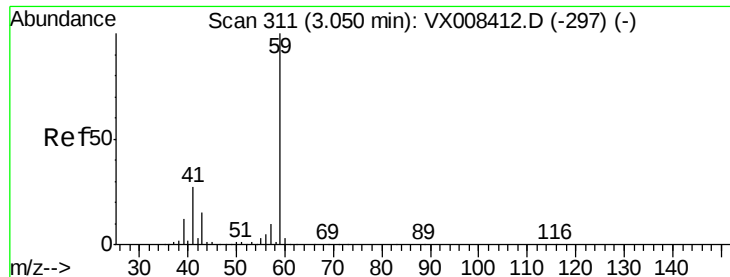
MMDadoda
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#10
Methyl Iodide
Concen: 30.115 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	55441		
127	41.5	33.6	50.4	
141	13.9	11.3	16.9	





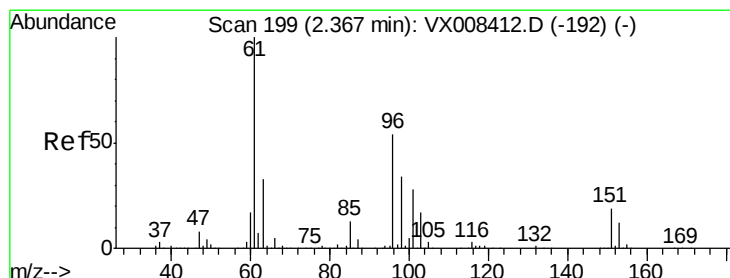
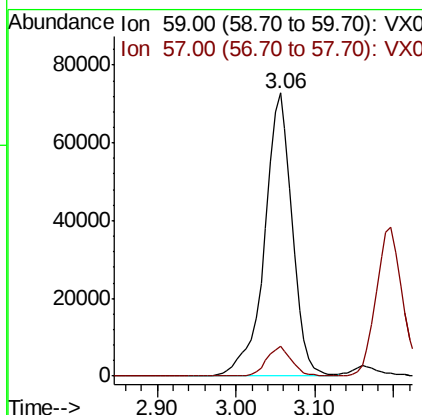
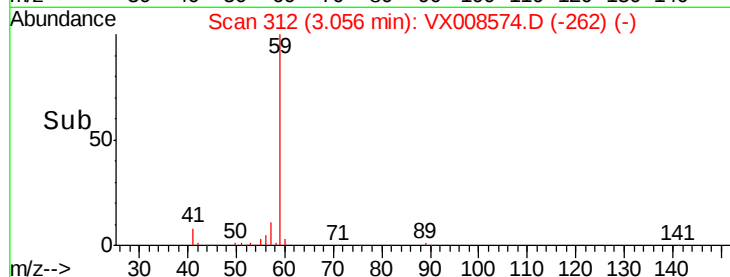
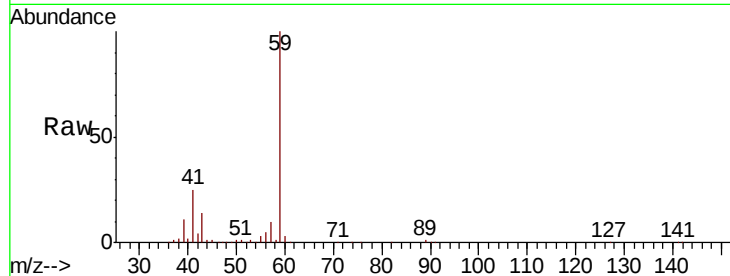
#11
Tert butyl alcohol
Concen: 295.705 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion: 59 Resp: 177363
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.4

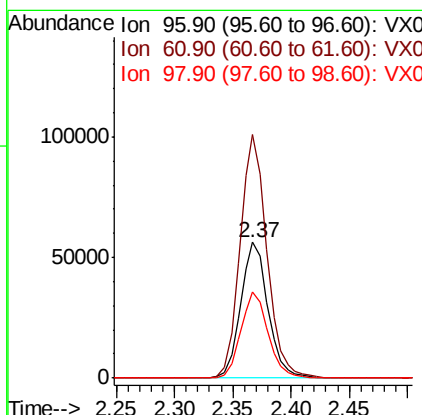
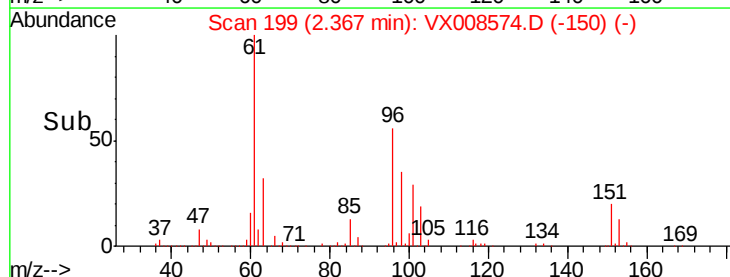
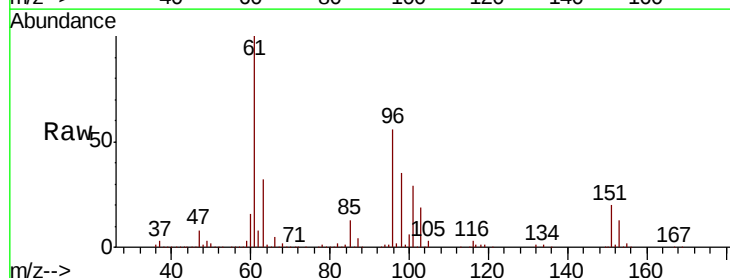
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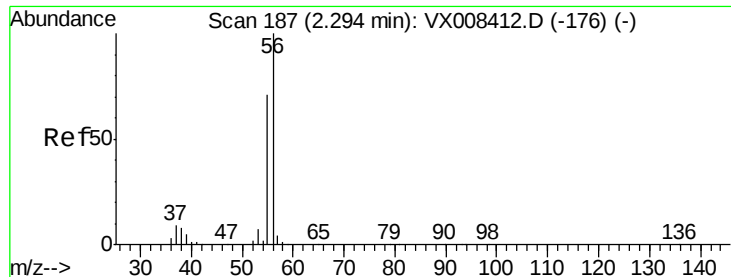
MMDadoda
4/2/2019 10:06:17 AM



#12
1,1-Dichloroethene
Concen: 44.079 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion: 96 Resp: 91572
Ion Ratio Lower Upper
96 100
61 179.3 146.9 220.3
98 63.3 50.1 75.1





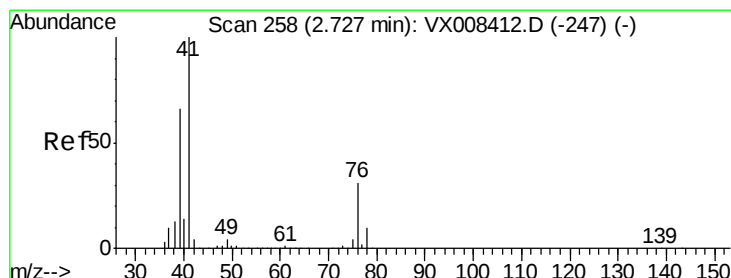
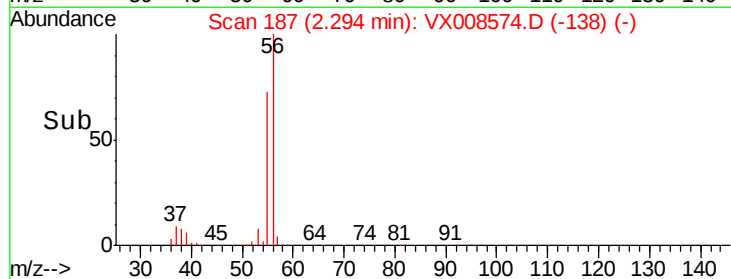
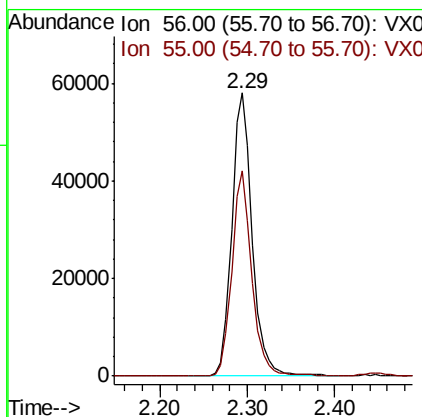
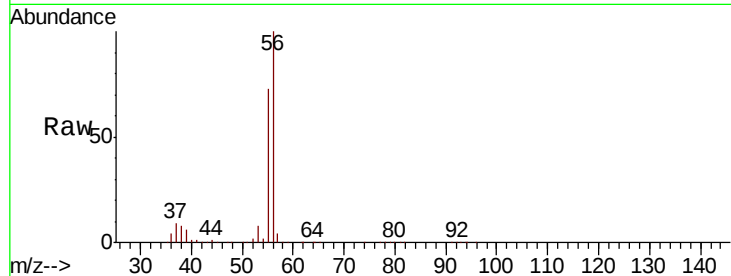
#13
Acrolein
Concen: 216.905 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	56	Resp	94477
Ion Ratio	100	Lower	Upper
55	71.1	56.5	84.7

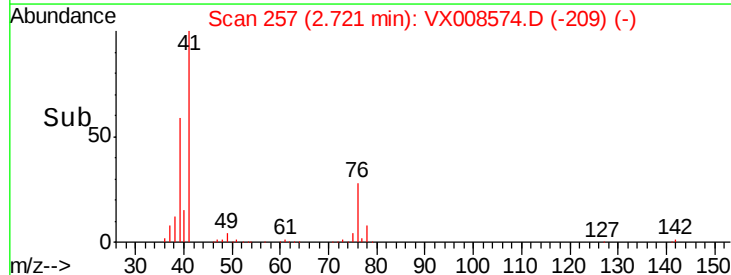
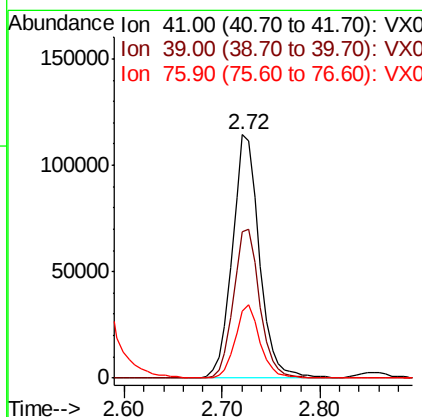
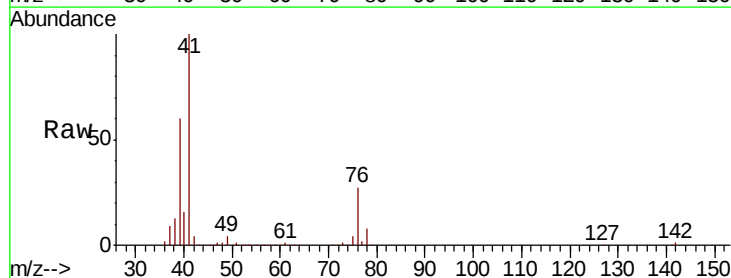
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#14
Allyl chloride
Concen: 47.825 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	41	Resp	218888
Ion Ratio	100	Lower	Upper
39	60.0	49.6	74.4
76	27.3	22.6	34.0





#15

Acrylonitrile

Concen: 250.388 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

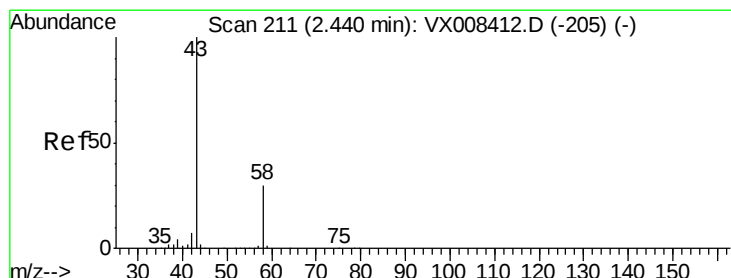
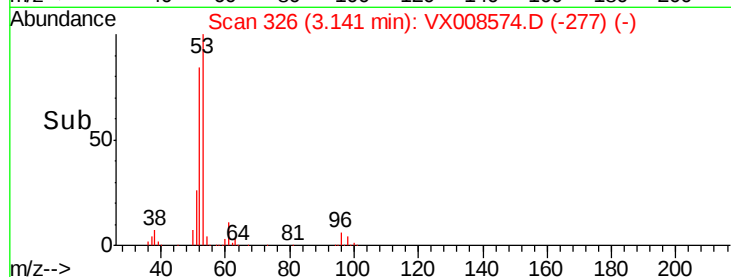
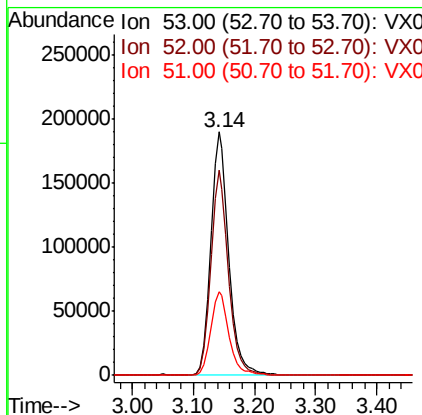
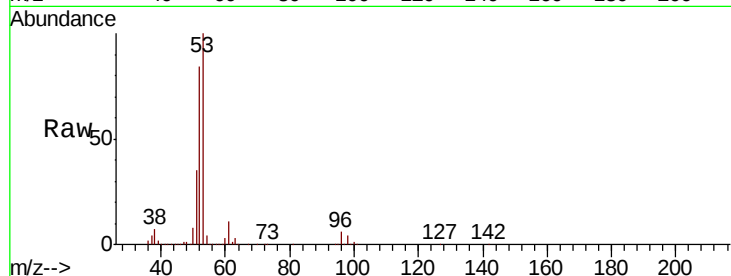
ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion:	53	Resp:	393804
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.5	99.7
51	35.1	28.3	42.5

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#16

Acetone

Concen: 237.285 ug/l

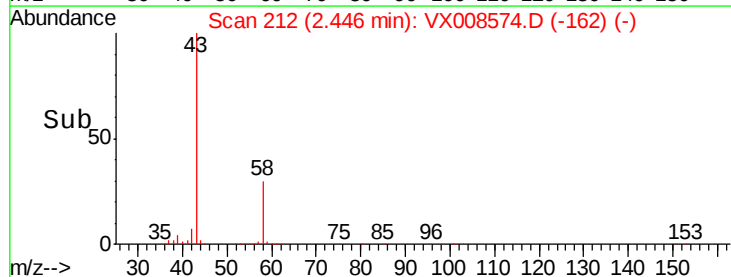
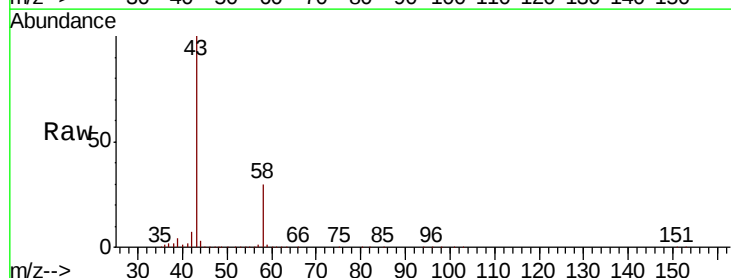
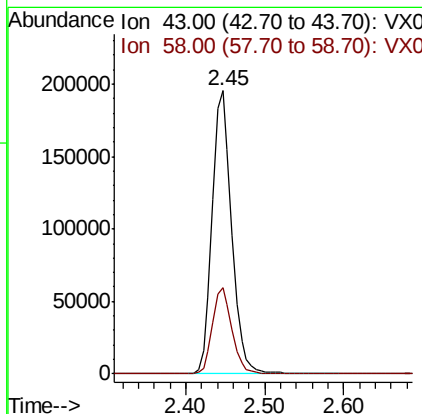
RT: 2.45 min Scan# 212

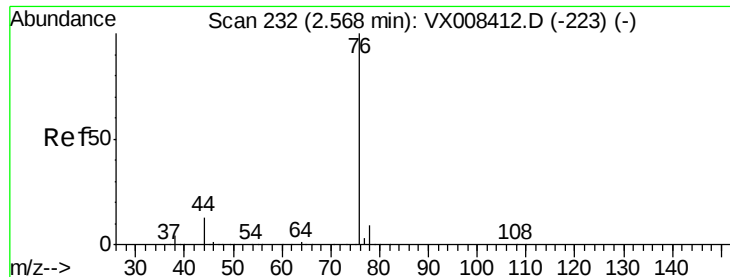
Delta R.T. 0.01 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Tgt Ion:	43	Resp:	335740
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.2	36.2





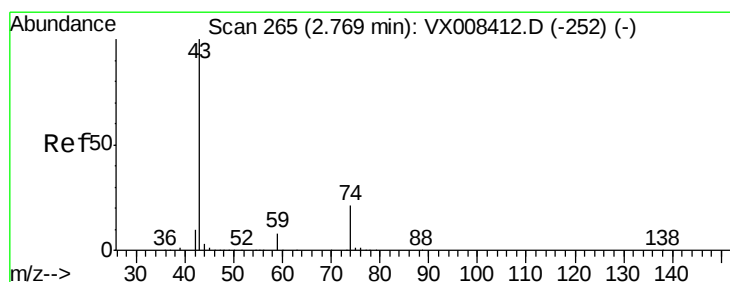
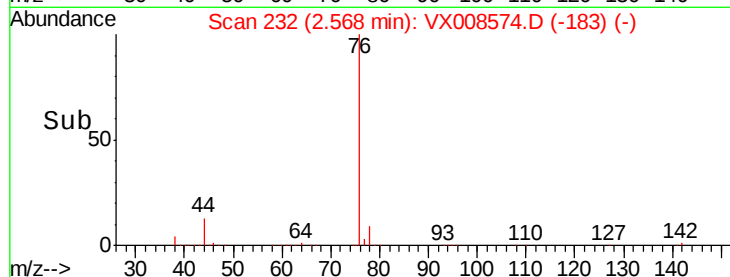
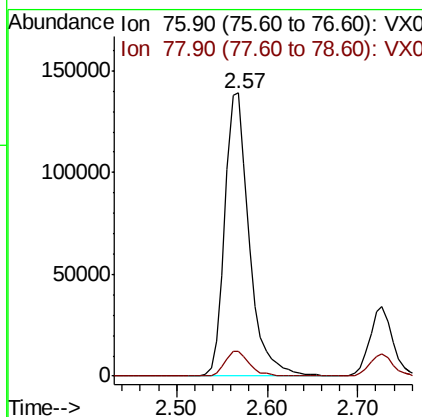
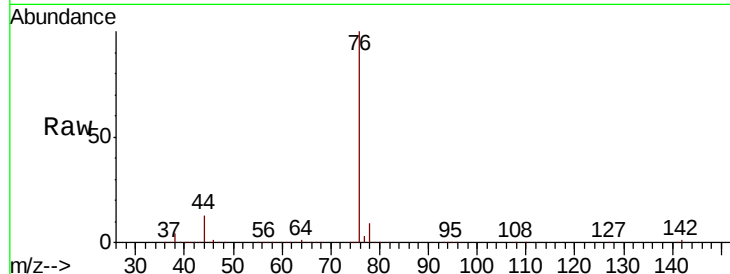
#17
Carbon Disulfide
Concen: 43.672 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

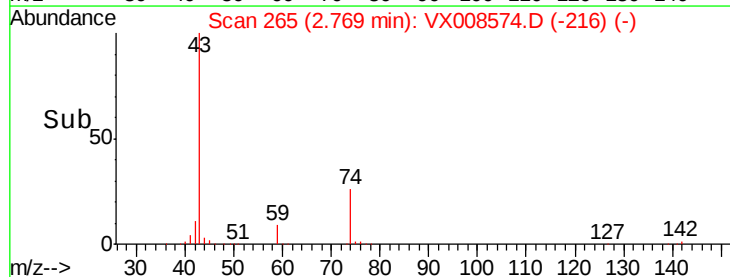
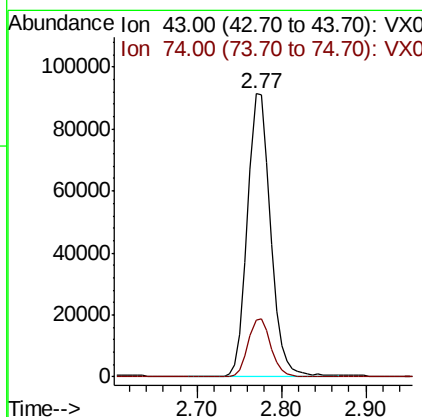
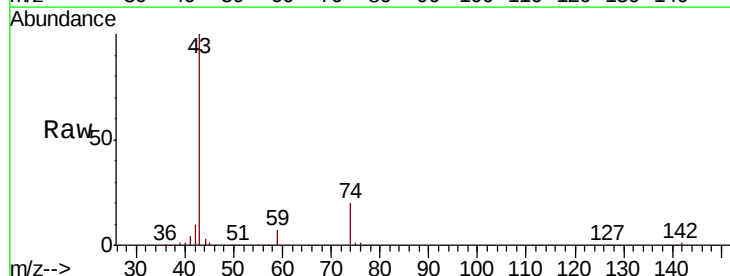
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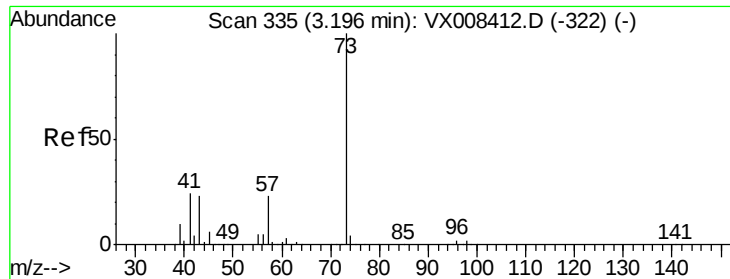
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#18
Methyl Acetate
Concen: 49.753 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.7	25.1





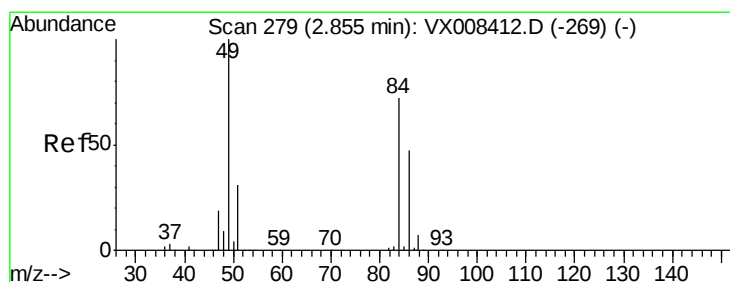
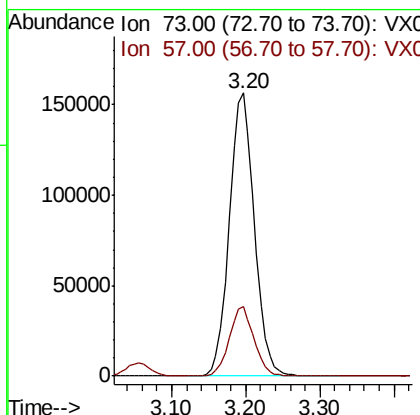
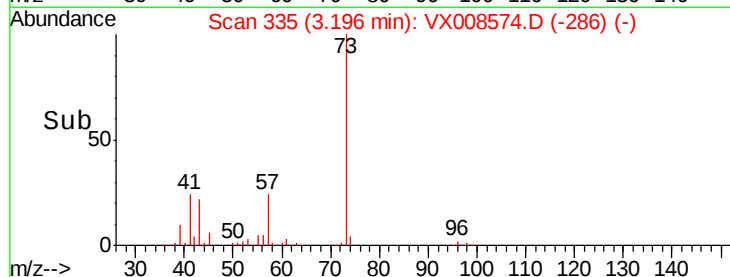
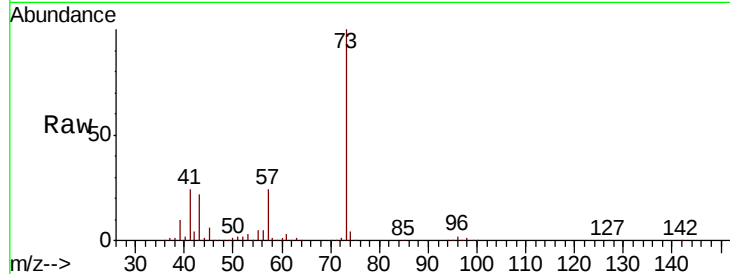
#19
Methvl tert-butvl Ether
Concen: 49.067 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion: 73 Resp: 367336
Ion Ratio Lower Upper
73 100
57 24.4 18.6 28.0

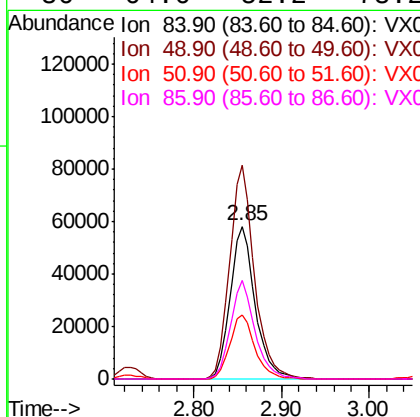
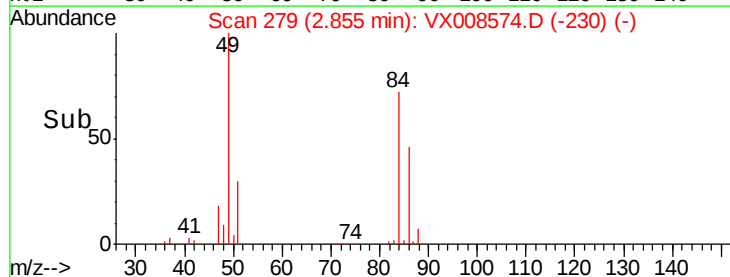
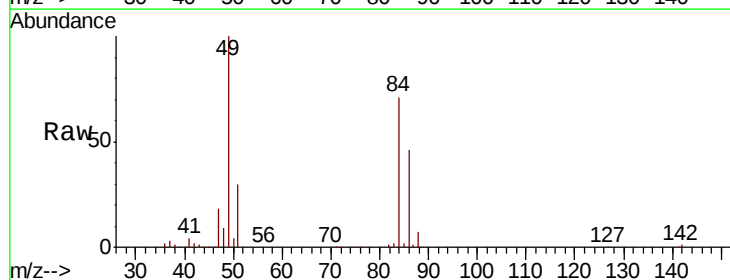
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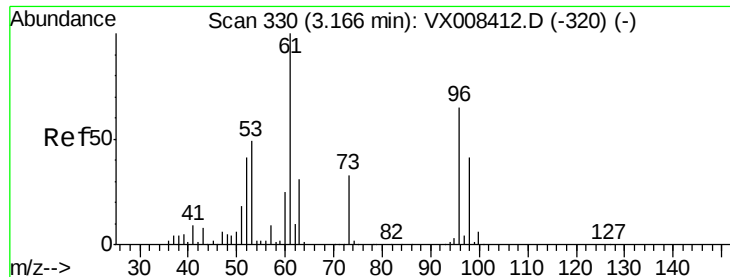
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#20
Methylene Chloride
Concen: 49.939 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion: 84 Resp: 115323
Ion Ratio Lower Upper
84 100
49 139.9 110.6 165.8
51 41.6 33.9 50.9
86 64.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 47.849 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

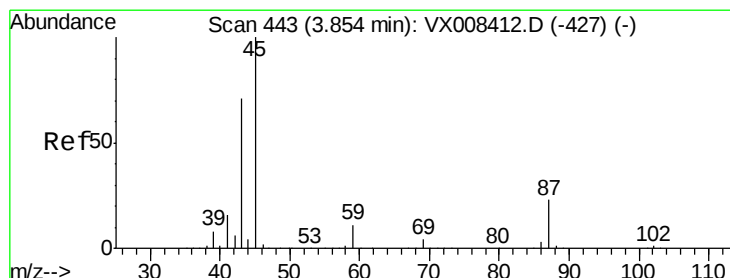
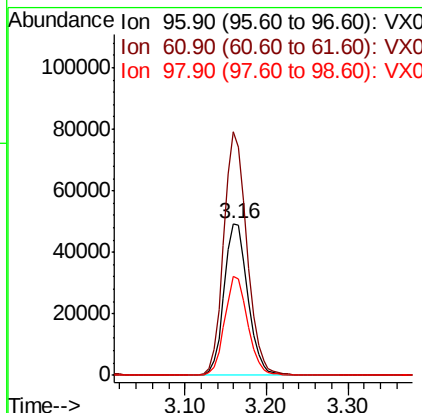
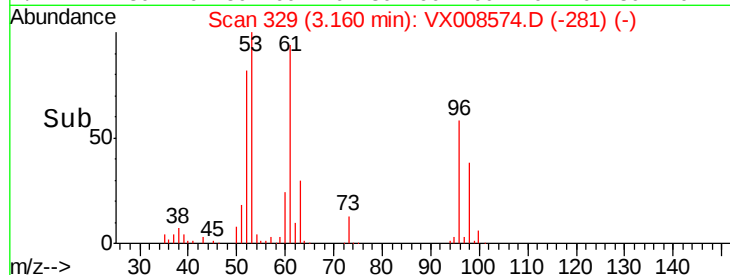
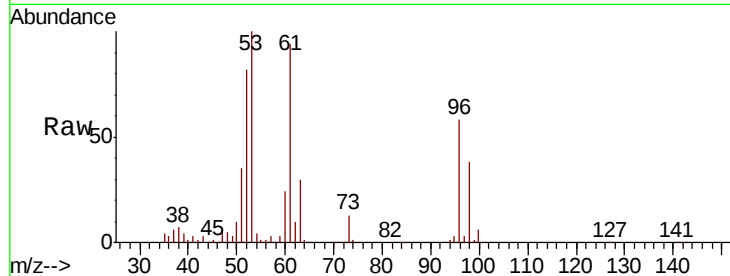
ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion:	96	Resp:	99076
Ion	Ratio	Lower	Upper
96	100		
61	160.5	122.6	184.0
98	65.0	50.9	76.3

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#22

Diisopropyl ether

Concen: 48.453 ug/l

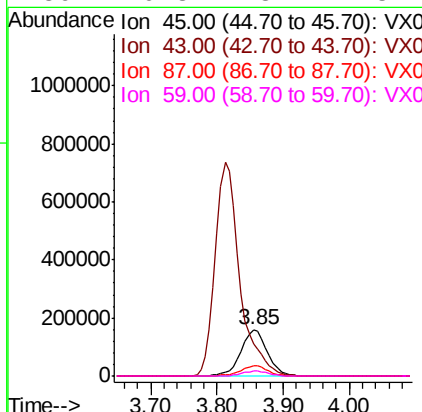
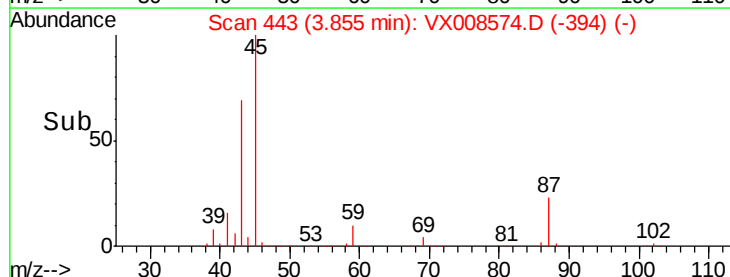
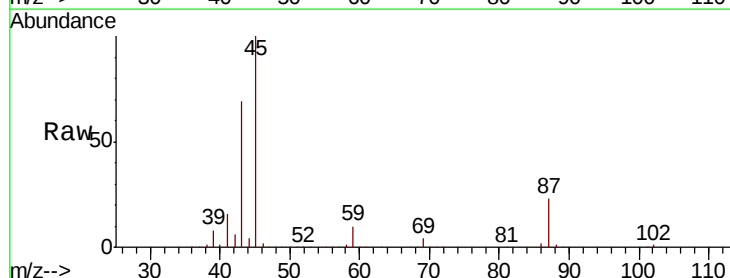
RT: 3.85 min Scan# 443

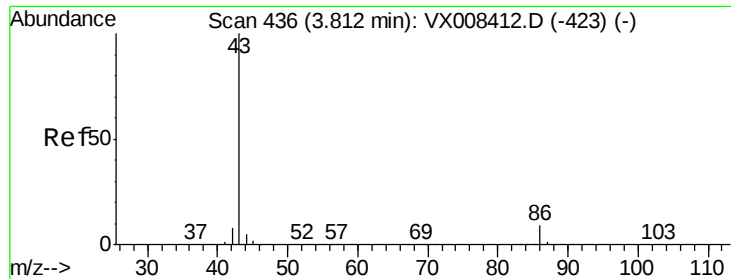
Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Tgt Ion:	45	Resp:	436665
Ion	Ratio	Lower	Upper
45	100		
43	69.3	57.1	85.7
87	22.6	18.8	28.2
59	10.3	8.7	13.1





#23

Vinyl Acetate

Concen: 241.781 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion: 43 Resp: 1901014

Ion Ratio Lower Upper

43 100

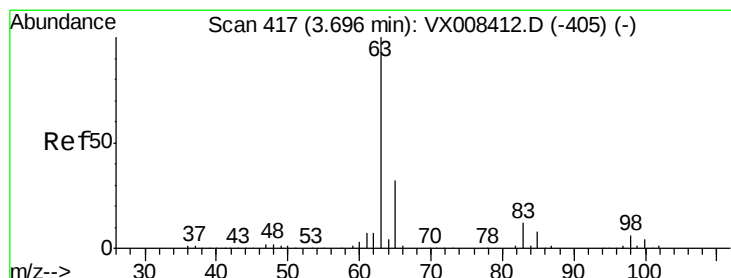
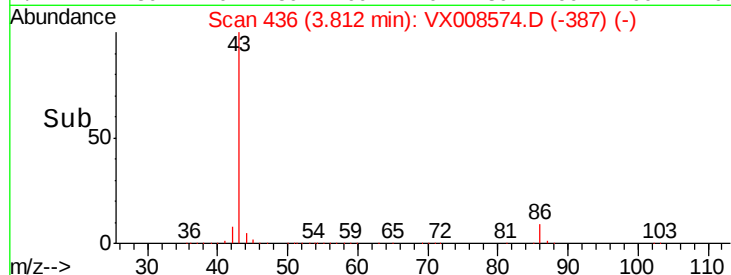
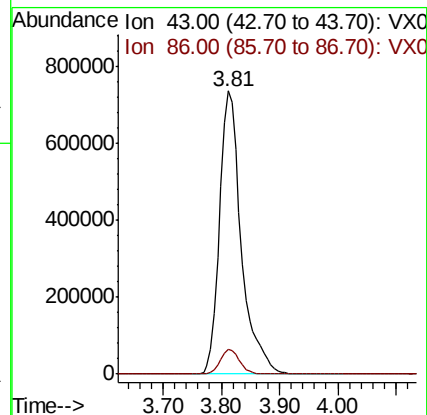
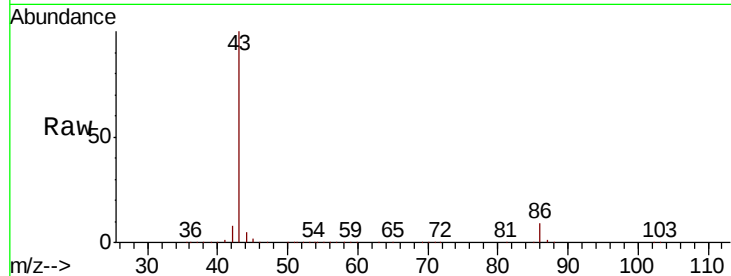
86 8.6 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 47.157 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

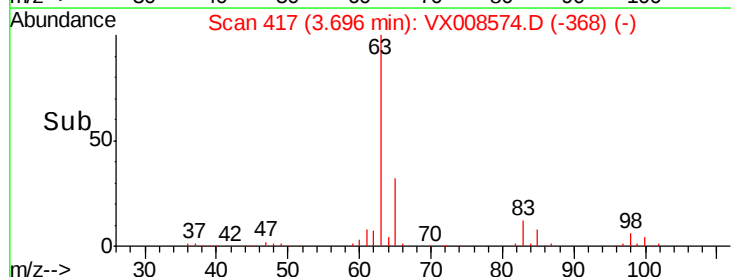
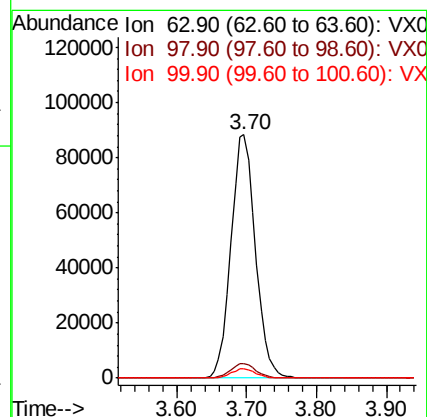
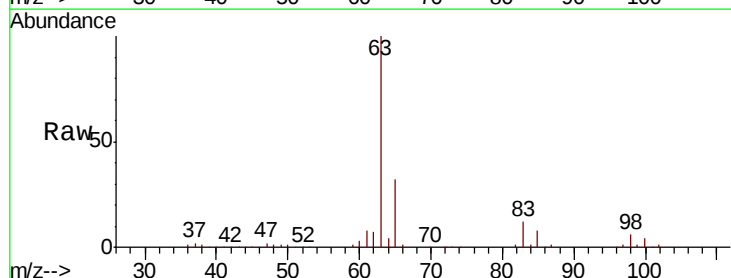
Tgt Ion: 63 Resp: 214554

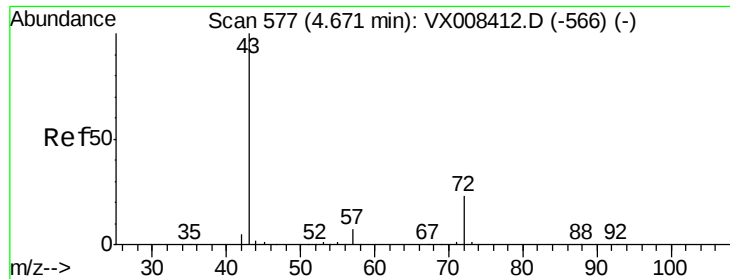
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 255.996 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion: 43 Resp: 580694

Ion Ratio Lower Upper

43 100

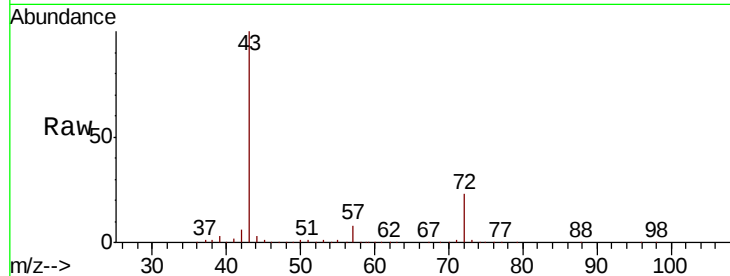
72 23.0 18.6 28.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

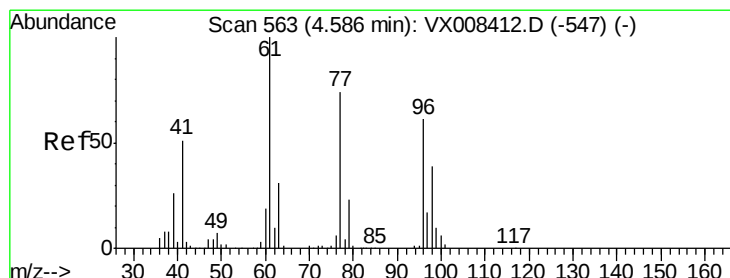
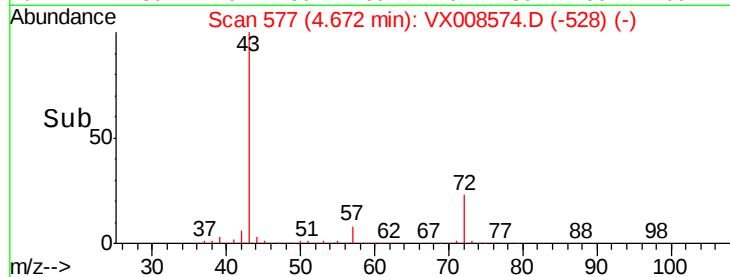
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 47.553 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008574.D

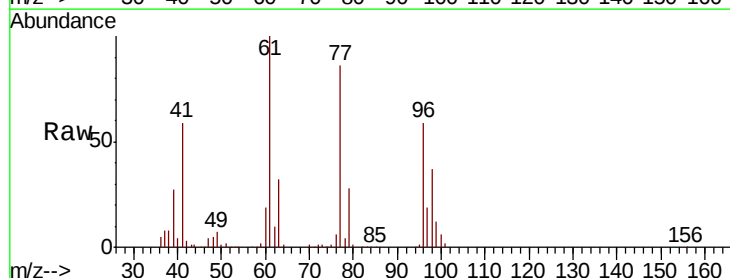
Acq: 01 Apr 2019 17:20

Tgt Ion: 77 Resp: 143904

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

20000

10000

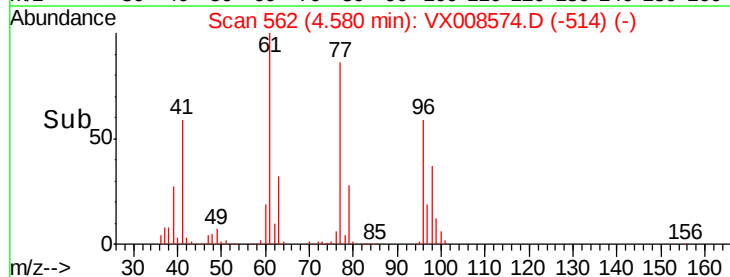
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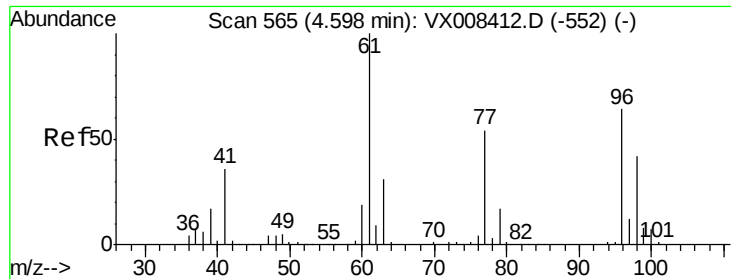
4.50

4.60

4.70

Time-->





#27

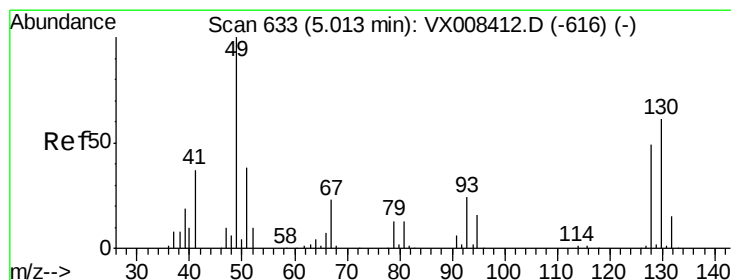
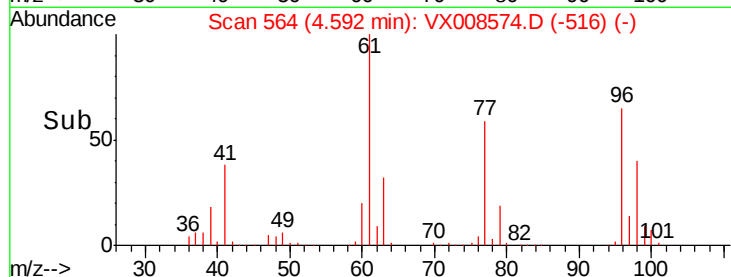
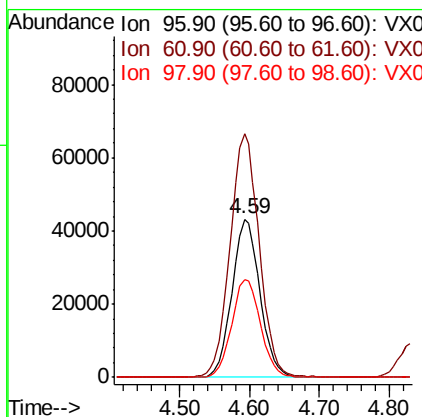
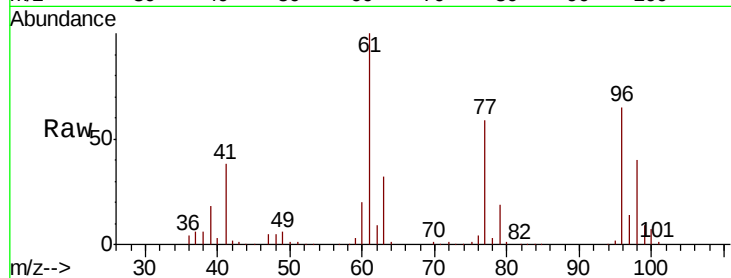
cis-1,2-Dichloroethene
Concen: 47.186 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119871		
61	160.7	0.0	325.6	
98	63.9	0.0	130.0	

Manual Integrations
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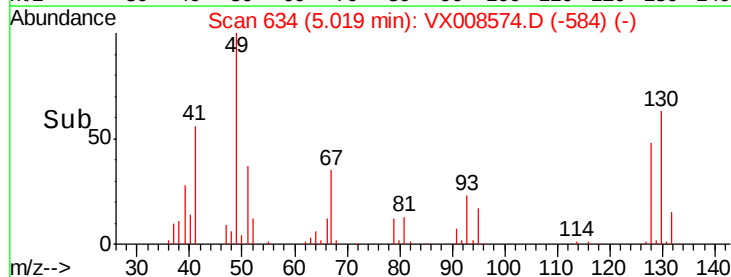
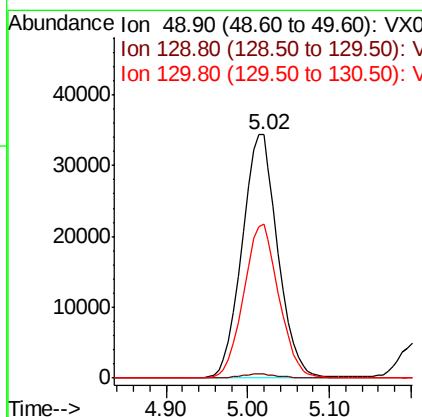
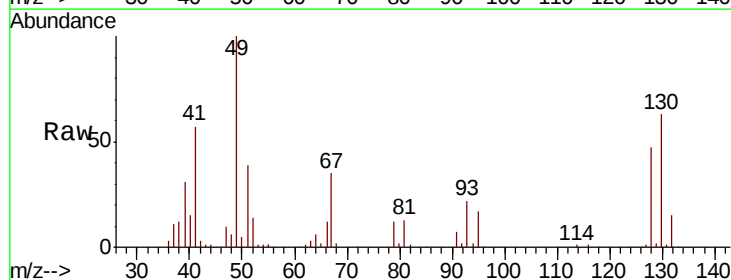
MMDadoda
4/2/2019 10:06:17 AM

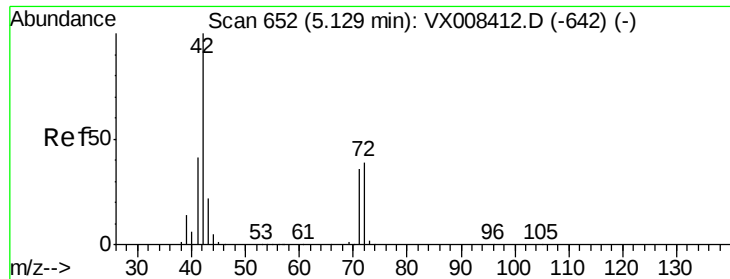


#28

Bromochloromethane
Concen: 46.641 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	104840		
129	1.7	0.0	3.4	
130	62.3	49.8	74.6	





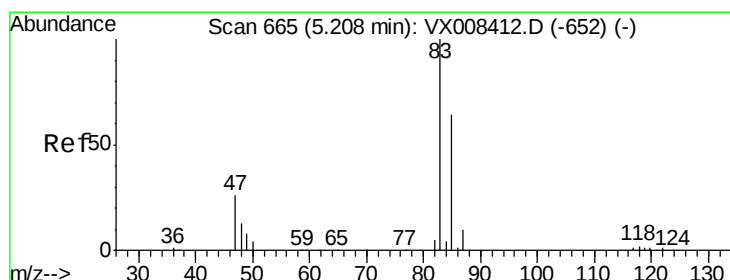
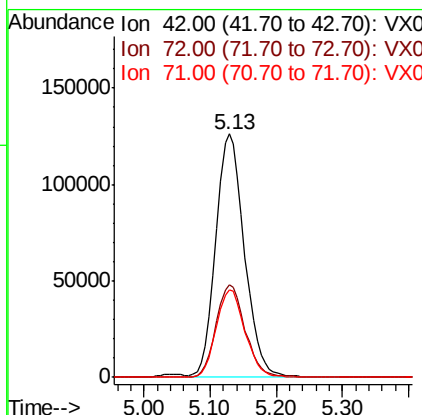
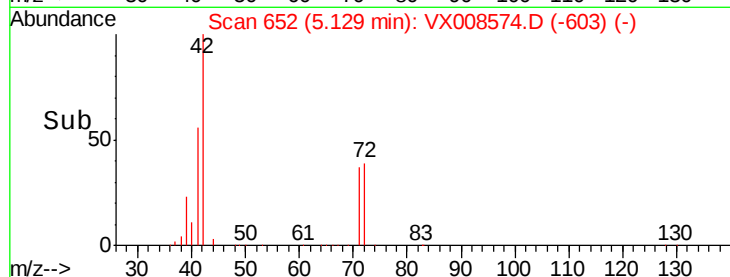
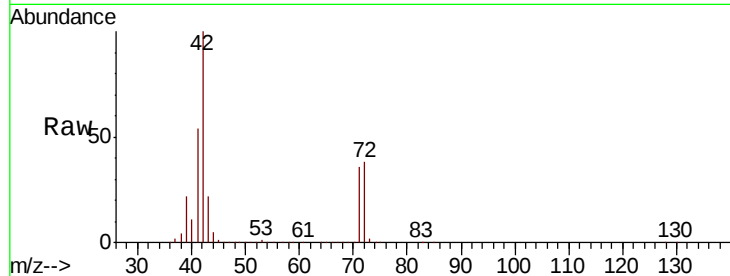
#29
Tetrahydrofuran
Concen: 252.996 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion:	42	Resp:	378234
Ion Ratio	Lower	Upper	
42	100		
72	38.8	31.4	47.2
71	36.5	29.4	44.2

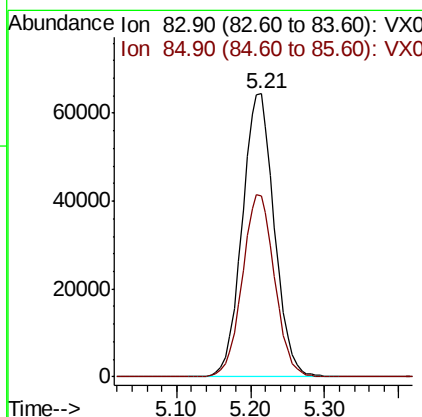
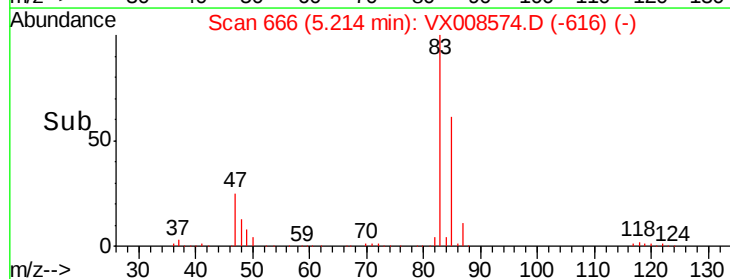
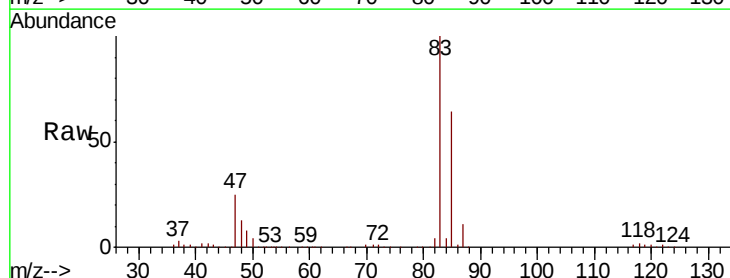
Manual Integrations
APPROVED

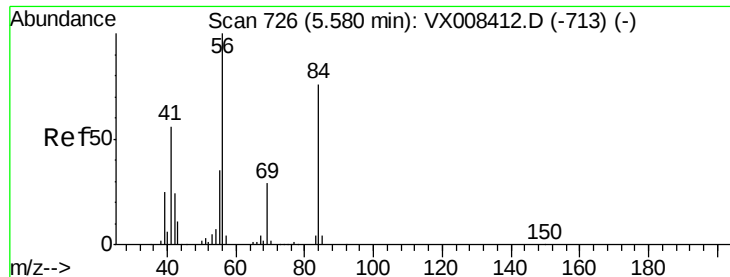
MMDadoda
4/2/2019 10:06:17 AM



#30
Chloroform
Concen: 47.312 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion:	83	Resp:	194265
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.4	77.2





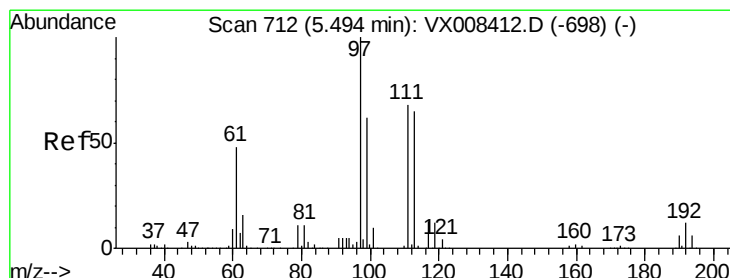
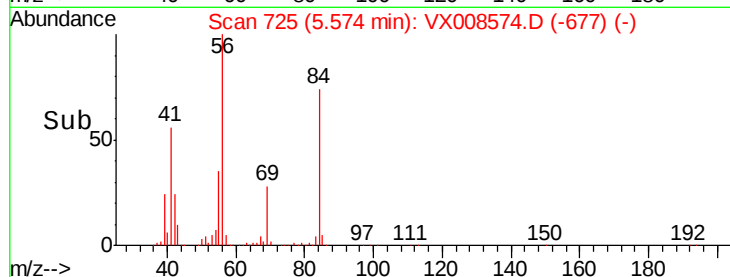
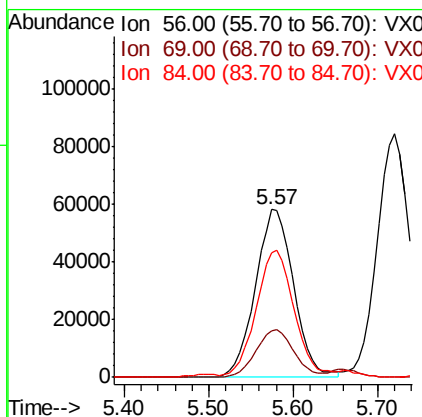
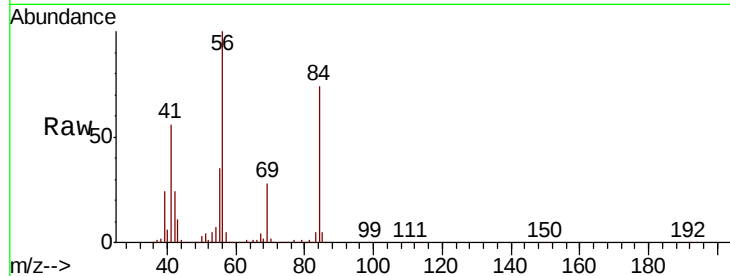
#31
Cyclohexane
Concen: 41.957 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	23.2	34.8
84	73.4	60.7	91.1

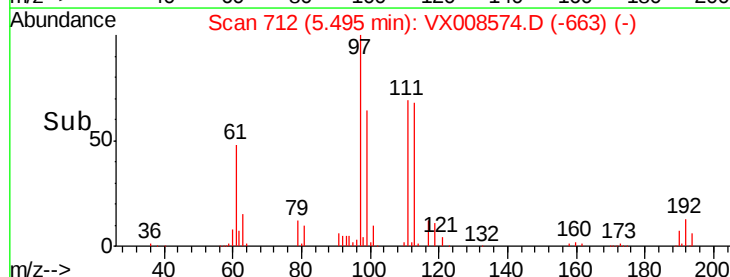
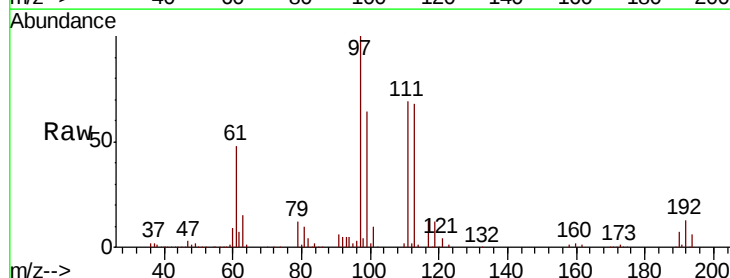
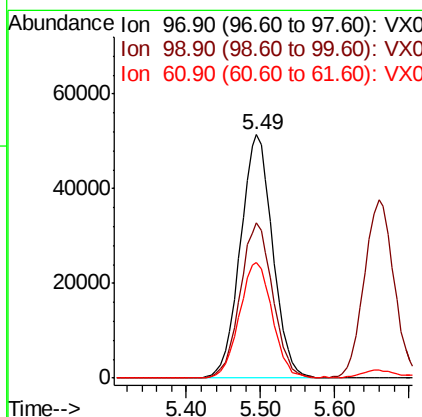
Manual Integrations
APPROVED

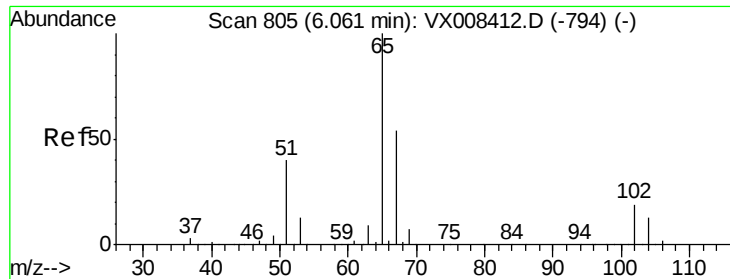
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4/2/2019 10:06:17 AM



#32
1,1,1-Trichloroethane
Concen: 47.583 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	48.5	38.8	58.2





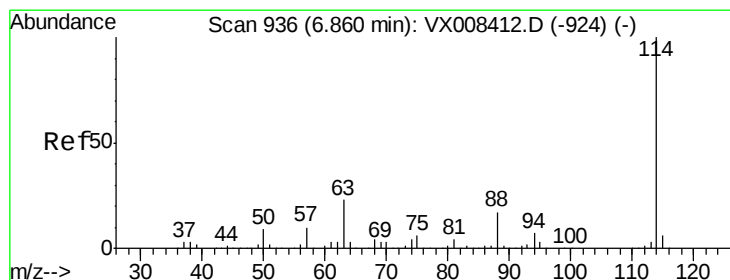
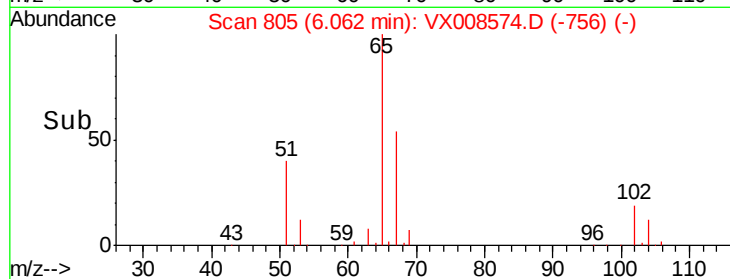
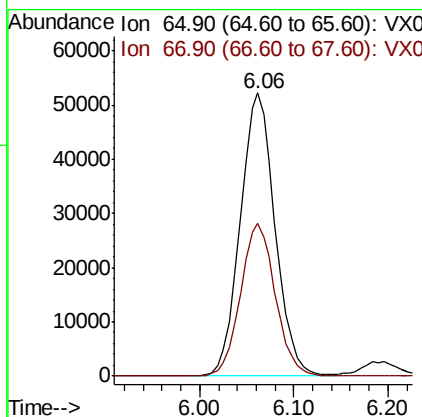
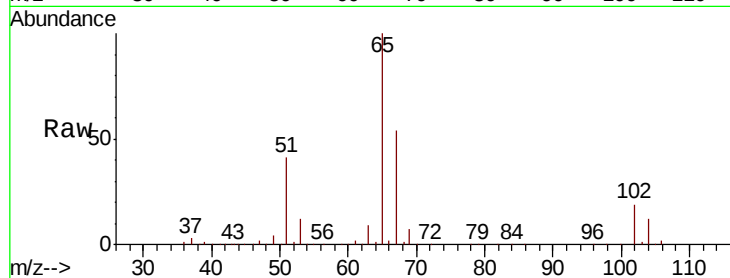
#33
 1,2-Dichloroethane-d4
 Concen: 49.786 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134780		
67	53.9	0.0	109.4	

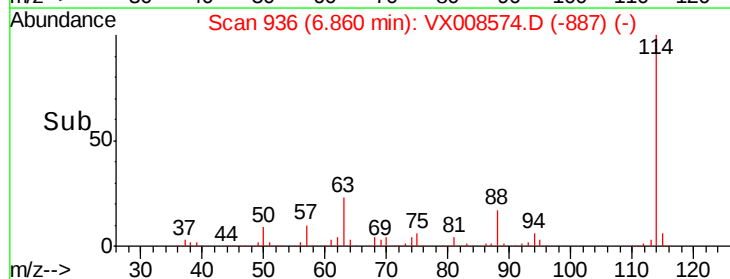
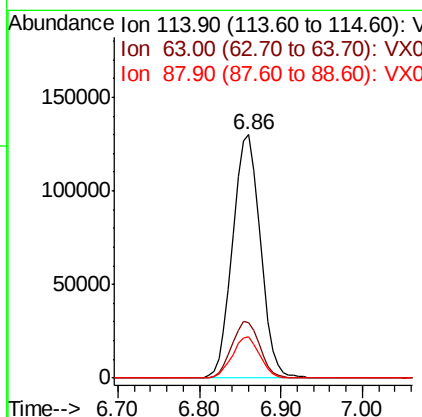
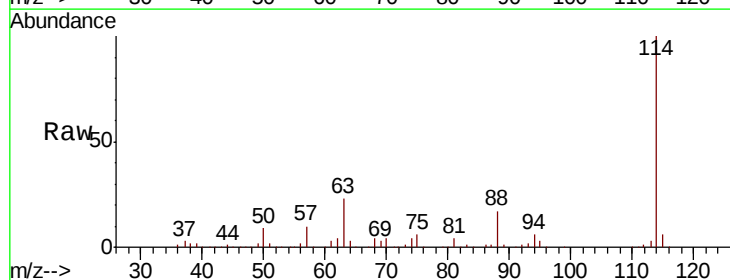
Manual Integrations
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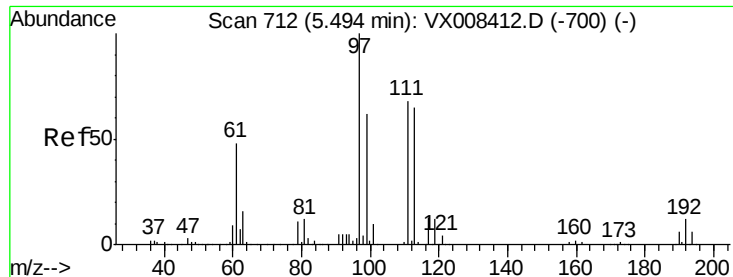
MMDadoda
 4/2/2019 10:06:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	306508		
63	23.0	0.0	46.4	
88	16.8	0.0	33.2	





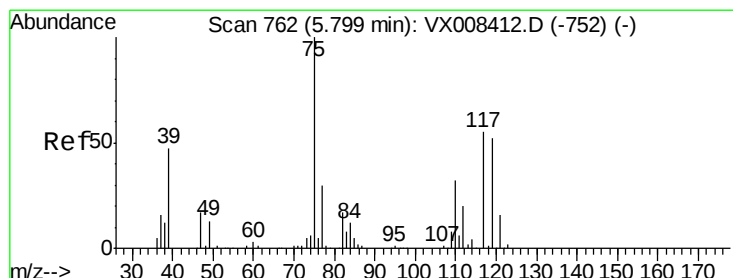
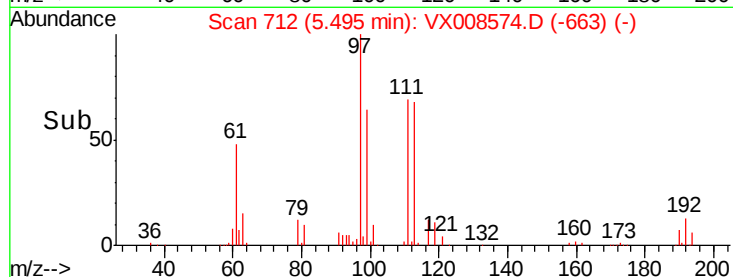
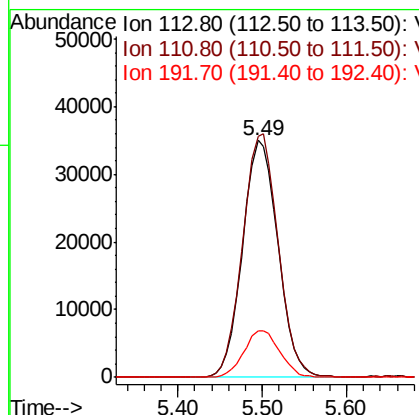
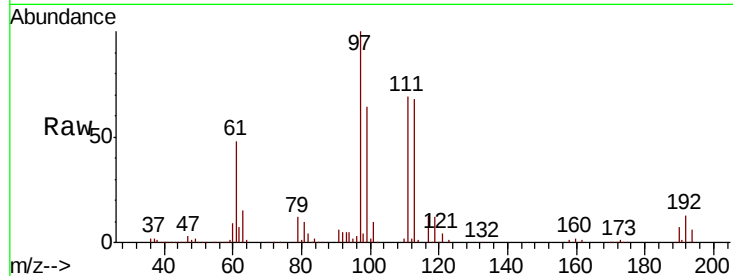
#35
 Dibromofluoromethane
 Concen: 49.910 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.0	124.4
192	20.0	15.6	23.4

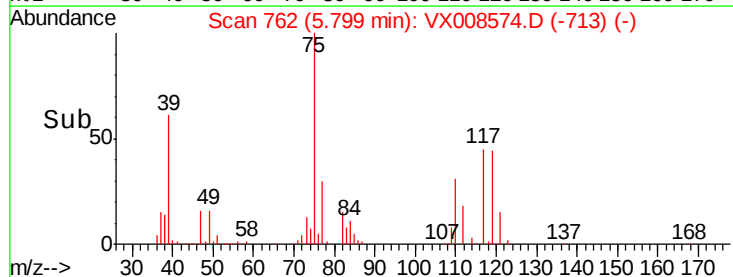
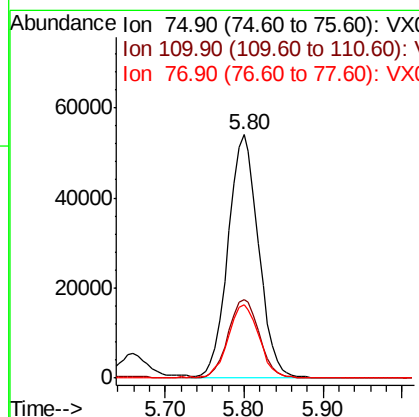
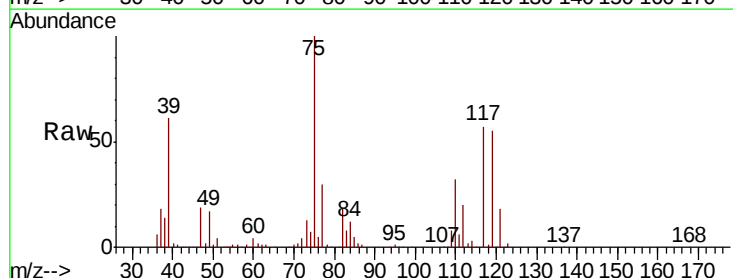
Manual Integrations
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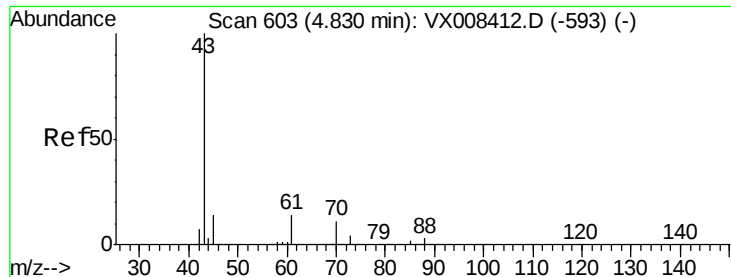
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#36
 1,1-Dichloropropene
 Concen: 44.435 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.6	49.7
77	30.4	24.2	36.2





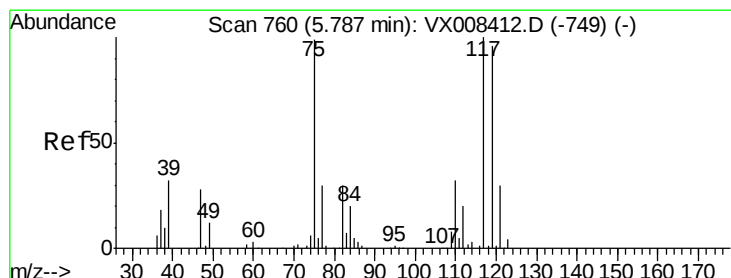
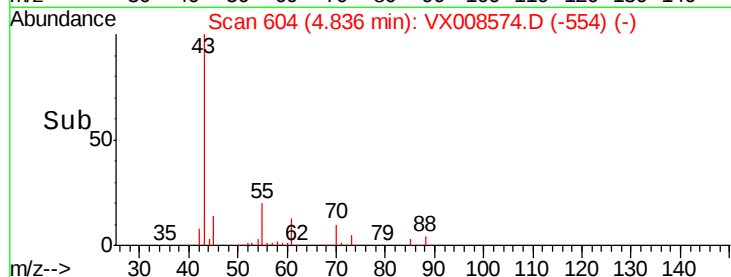
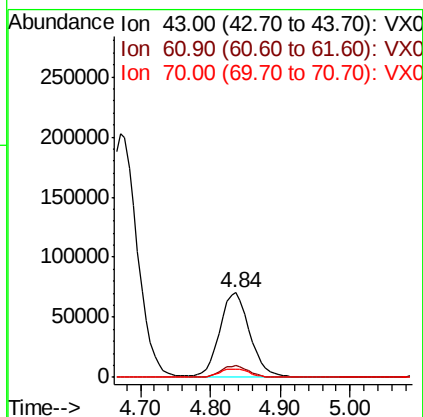
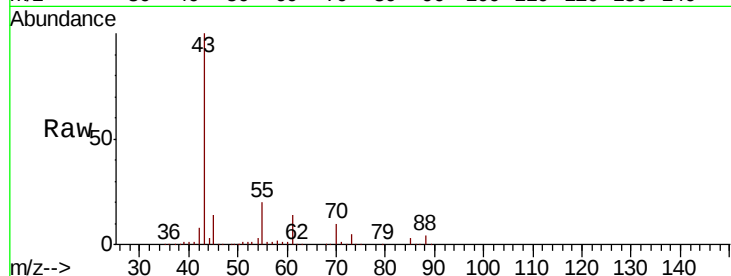
#37
Ethyl Acetate
Concen: 49.493 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.9	7.8	11.8

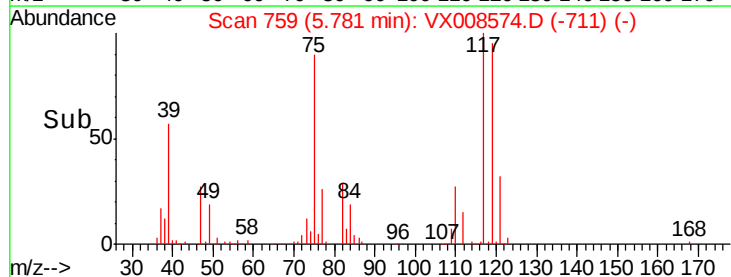
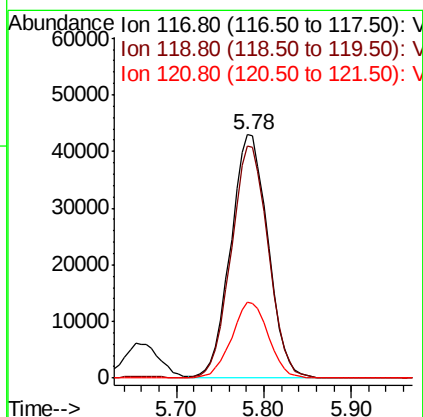
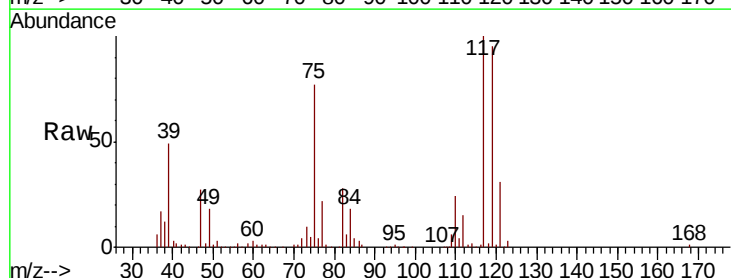
Manual Integrations
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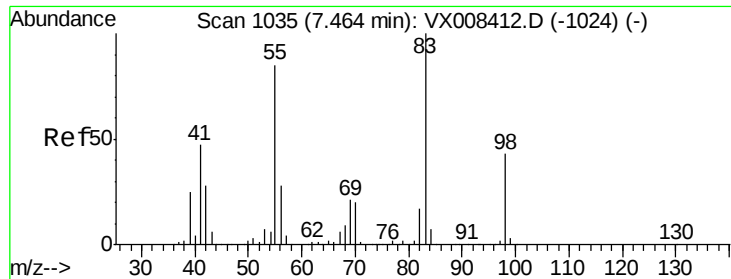
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4/2/2019 10:06:17 AM



#38
Carbon Tetrachloride
Concen: 46.672 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	31.4	24.3	36.5





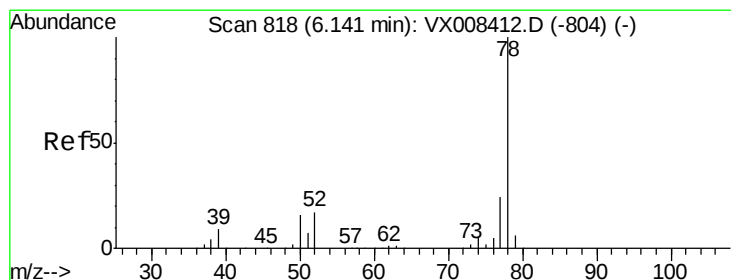
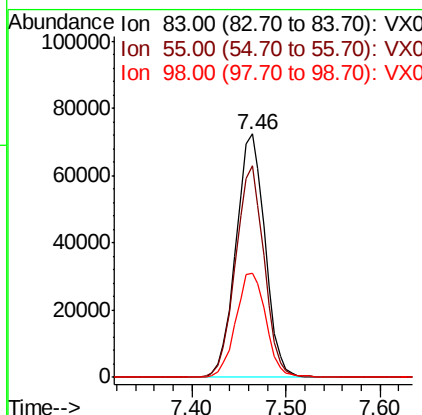
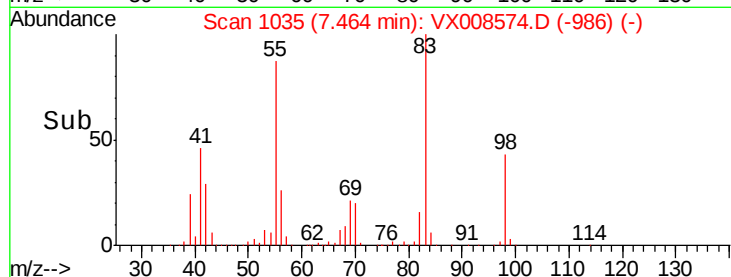
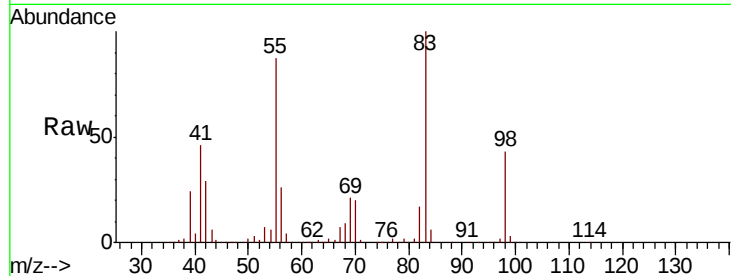
#39
Methvlcvclohexane
Concen: 39.966 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	68.2	102.4
98	43.0	34.2	51.4

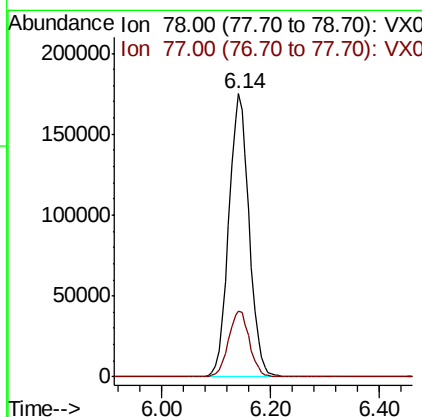
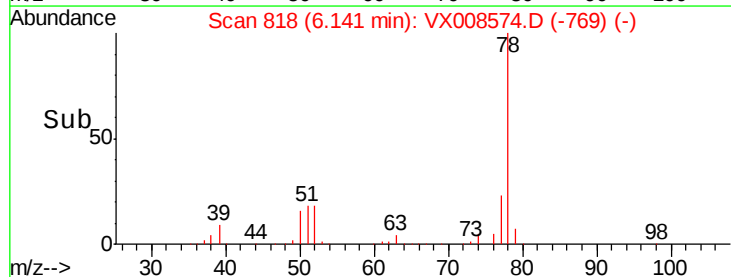
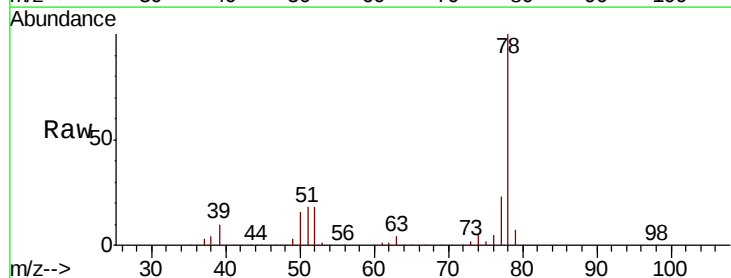
Manual Integrations
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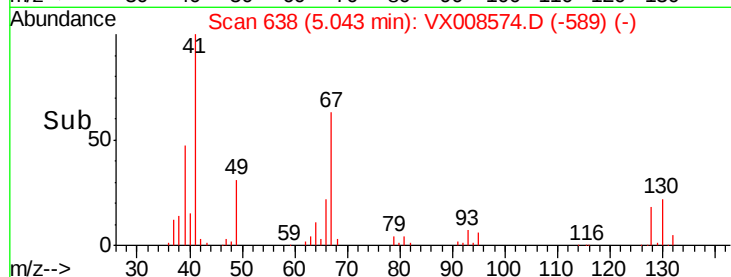
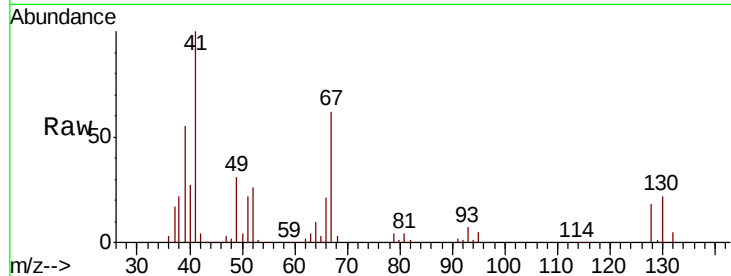
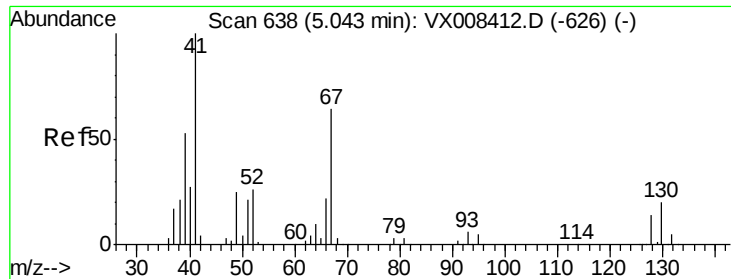
MMDadoda
4/2/2019 10:06:17 AM



#40
Benzene
Concen: 46.532 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.3	28.9





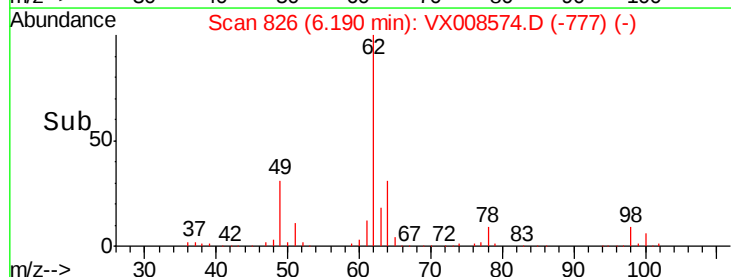
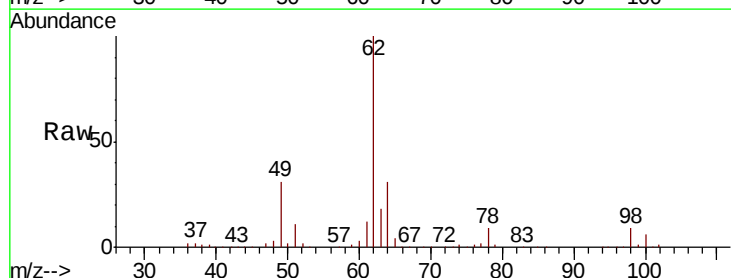
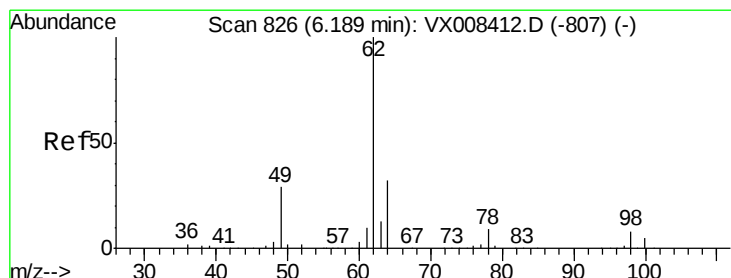
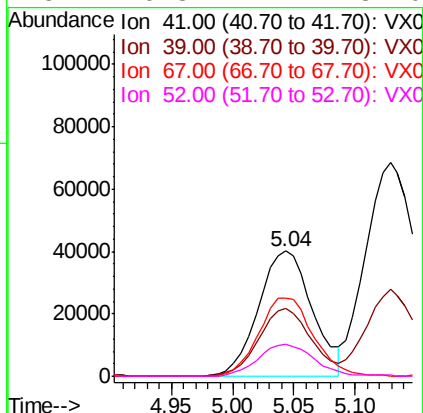
#41
Methacrylonitrile
Concen: 51.402 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tot Ion	Ion	Resp	Lower	Upper
41	100			
39	53.3	42.6	64.0	
67	64.2	52.2	78.4	
52	26.3	21.4	32.0	

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

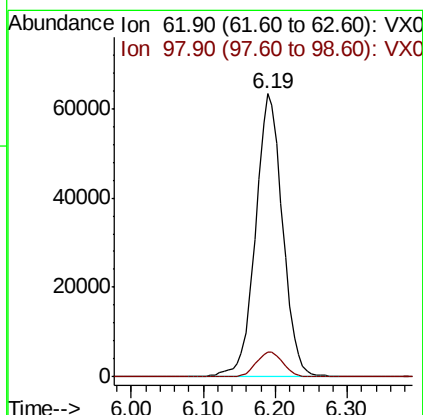
Manual Integrations
APPROVED

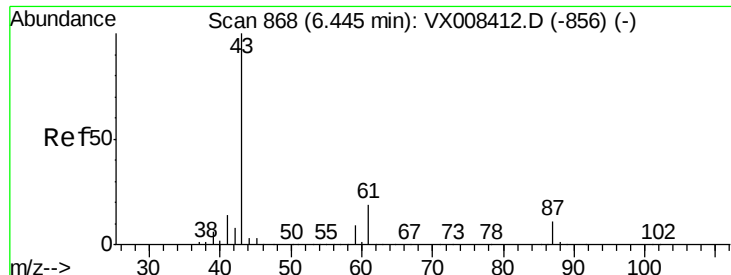
MMDadoda
4/2/2019 10:06:17 AM



#42
1,2-Dichloroethane
Concen: 46.227 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ion	Resp	Lower	Upper
62	100			
98	8.9	0.0	17.6	





#43

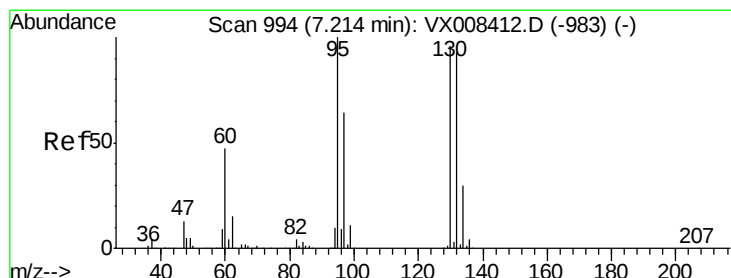
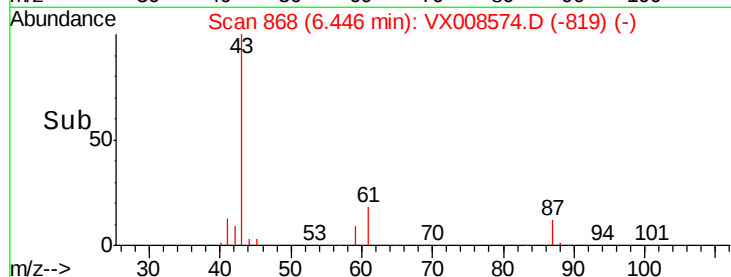
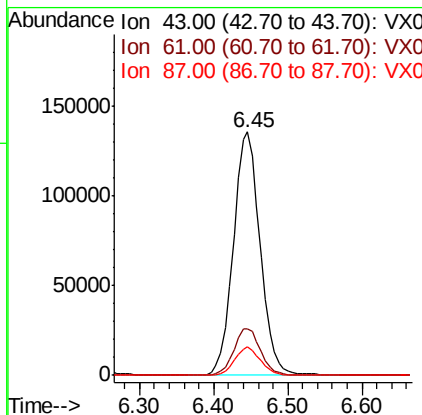
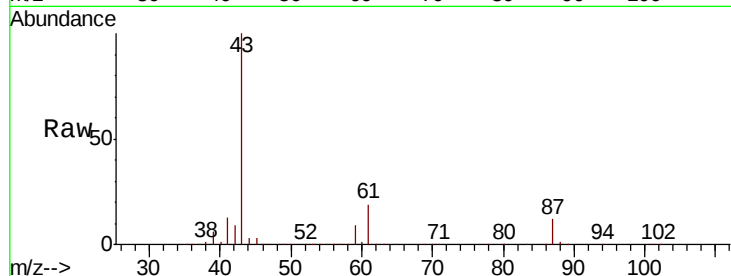
Isopropyl Acetate
 Concen: 50.085 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	11.3	9.1	13.7

Manual Integrations
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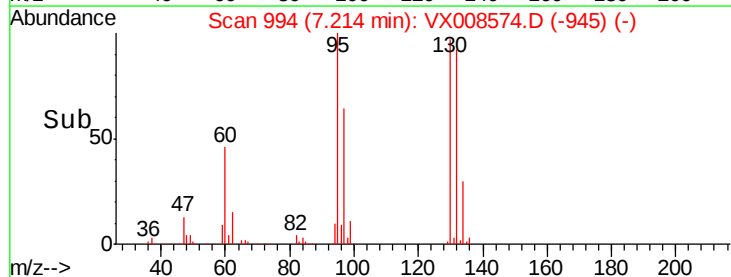
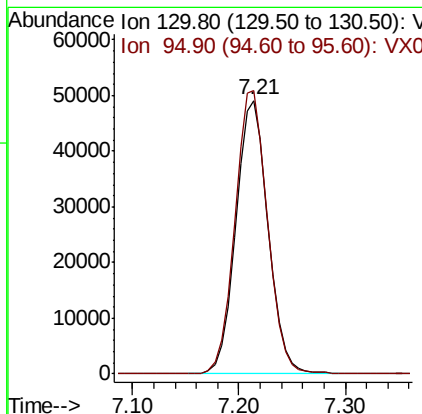
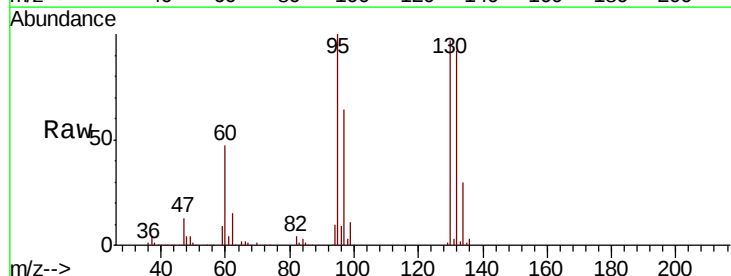
MMDadoda
 4/2/2019 10:06:17 AM

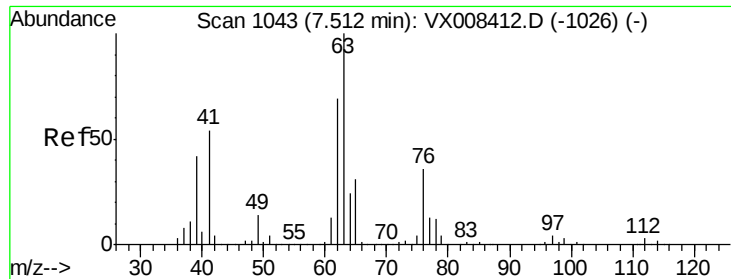


#44

Trichloroethene
 Concen: 45.465 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	208.8





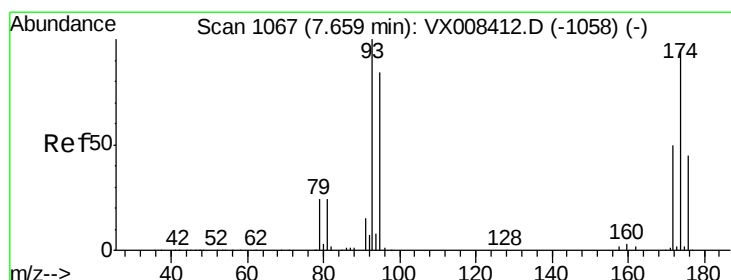
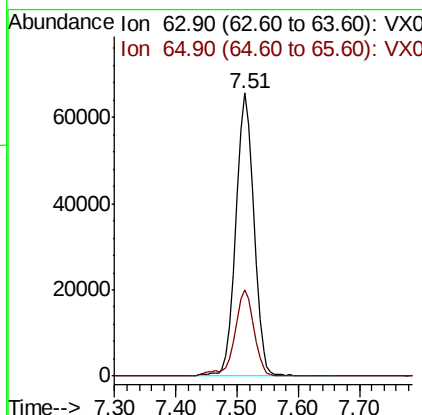
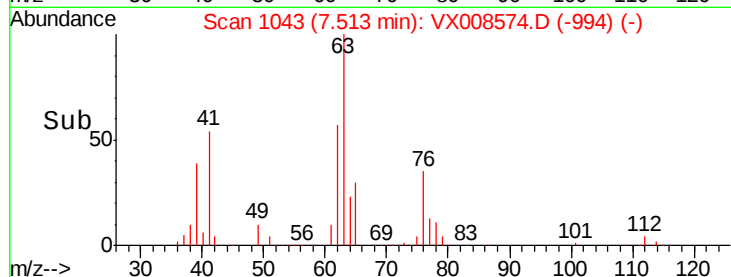
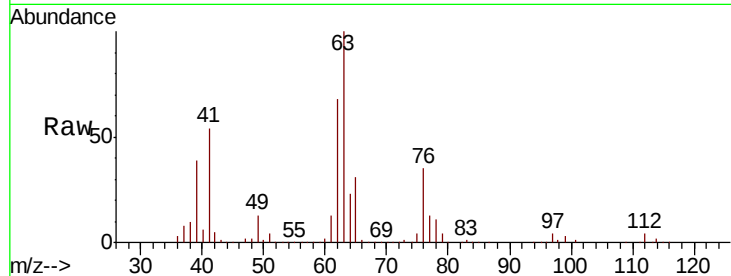
#45
 1,2-Dichloropropane
 Concen: 47.543 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampled :
 BP-VPB201R-GW-818-820MSD

Tot Ion: 63 Resp: 132214
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.1 37.7

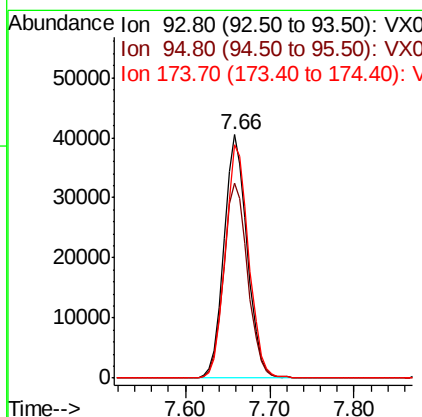
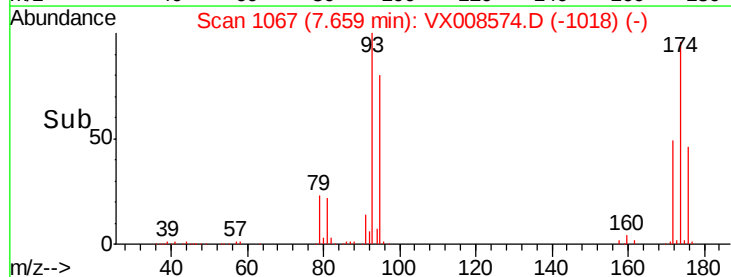
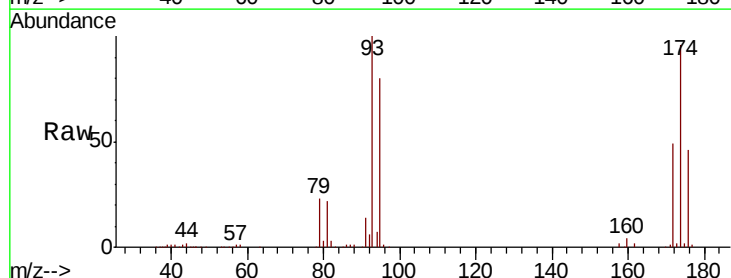
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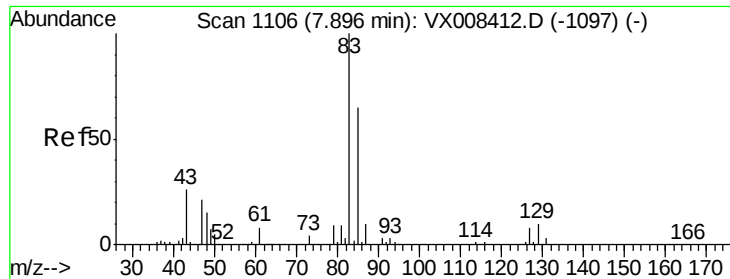
MMDadoda
 4/2/2019 10:06:17 AM



#46
 Dibromomethane
 Concen: 47.038 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion: 93 Resp: 76385
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.6
 174 96.6 76.0 114.0





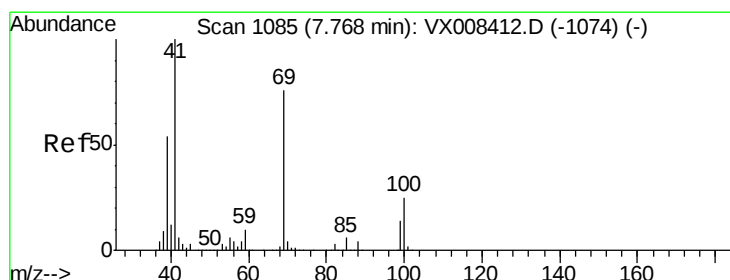
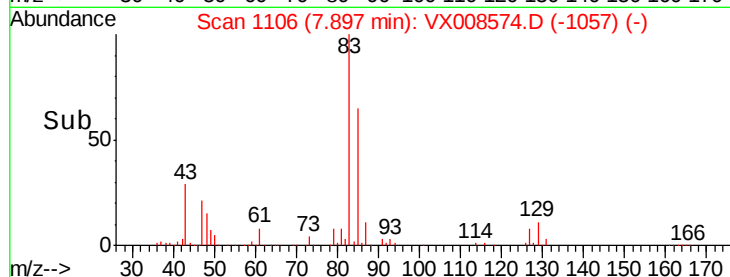
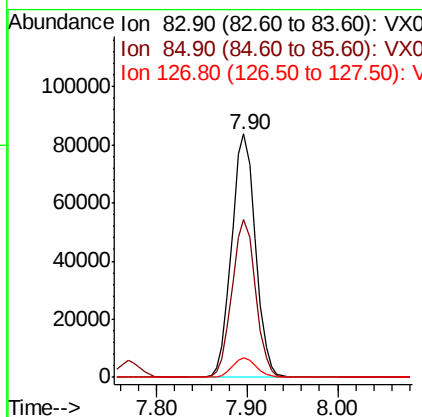
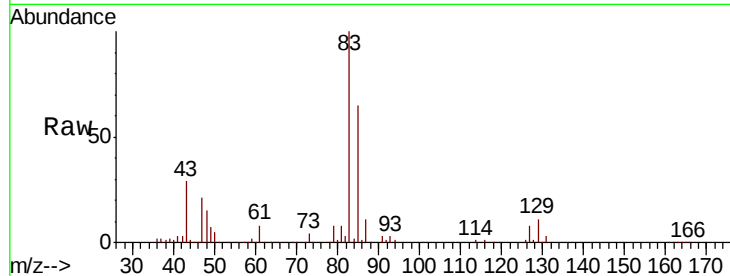
#47
Bromodichloromethane
Concen: 49.153 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	83	Resp	152781
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.0	78.0
127	7.9	6.4	9.6

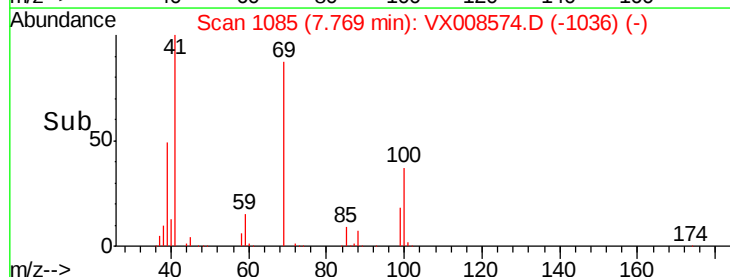
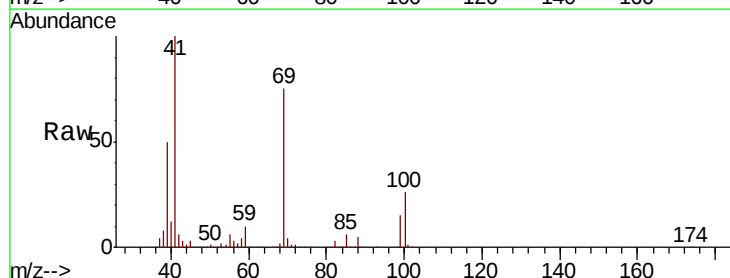
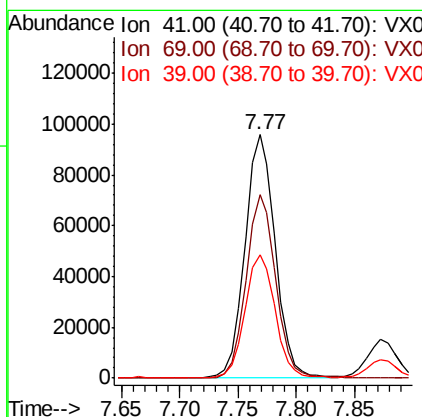
Manual Integrations
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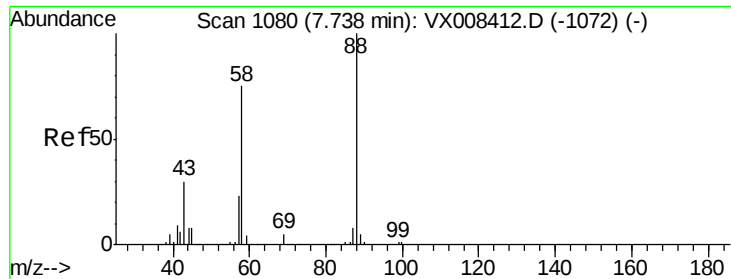
MMDadoda
4/2/2019 10:06:17 AM



#48
Methyl methacrylate
Concen: 51.195 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	41	Resp	173466
Ion Ratio	Lower	Upper	
41	100		
69	74.5	60.8	91.2
39	50.7	42.3	63.5





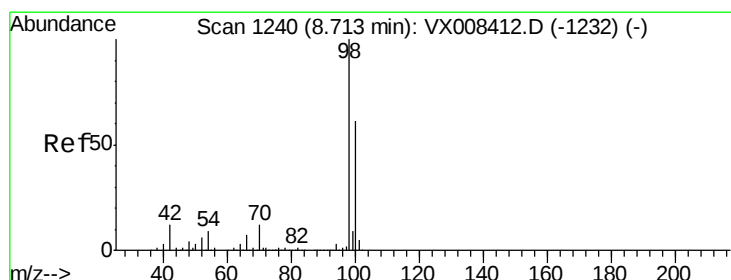
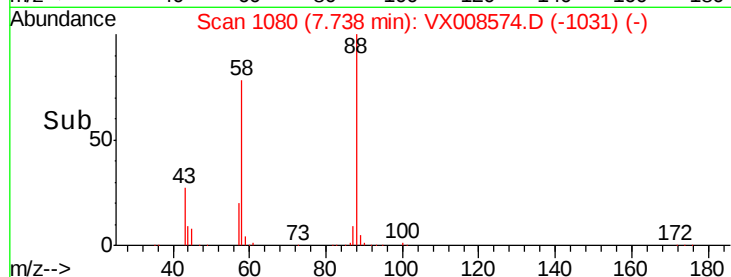
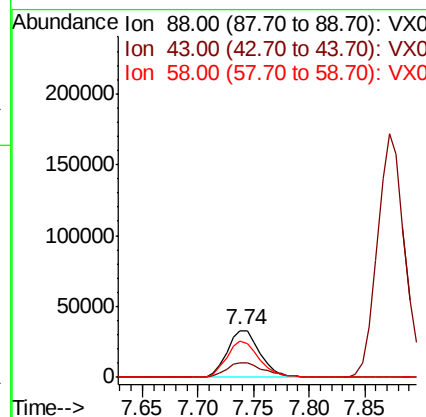
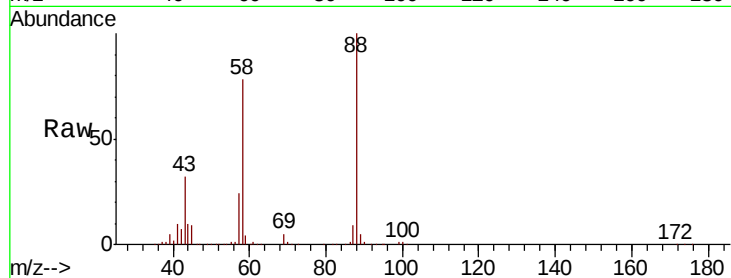
#49
1,4-Dioxane
Concen: 999.836 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.6	43.0
58	77.7	63.0	94.4

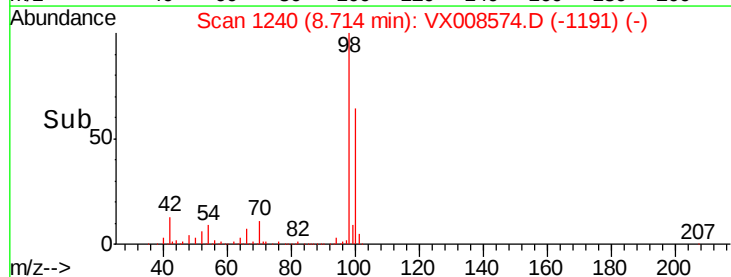
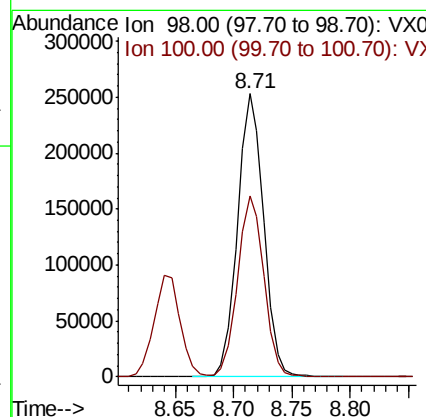
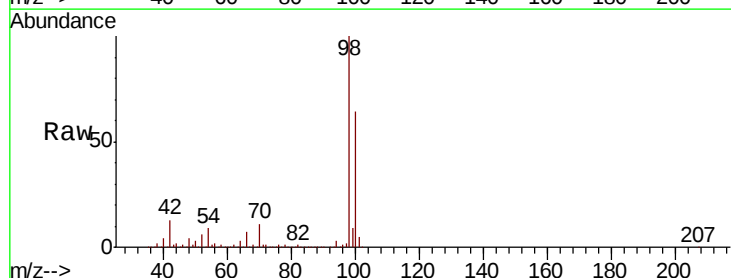
Manual Integrations
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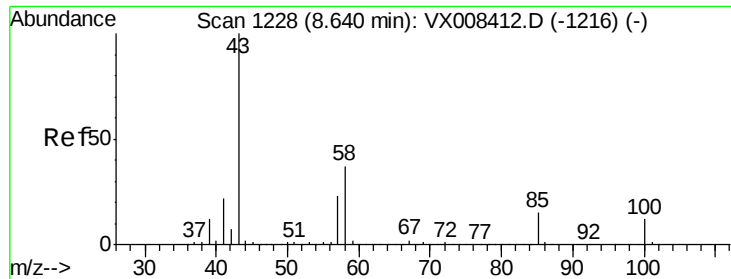
MMDadoda
4/2/2019 10:06:17 AM



#50
Toluene-d8
Concen: 49.497 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 264.514 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion: 43 Resp: 1163427

Ion Ratio Lower Upper

43 100

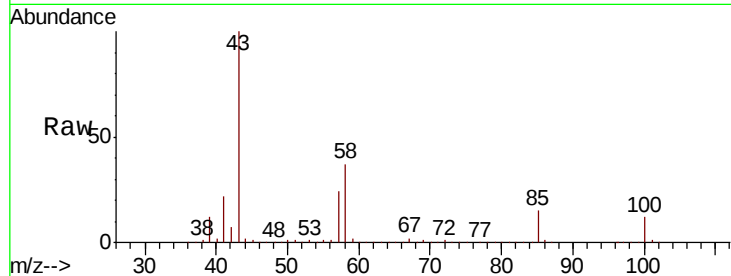
58 37.0 29.8 44.8

Manual Integrations

APPROVED

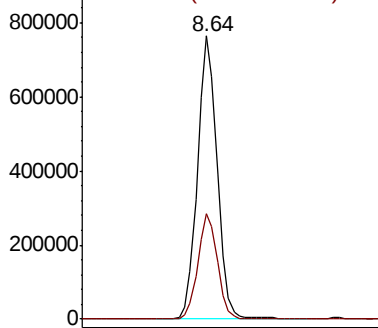
MMDadoda

4/2/2019 10:06:17 AM

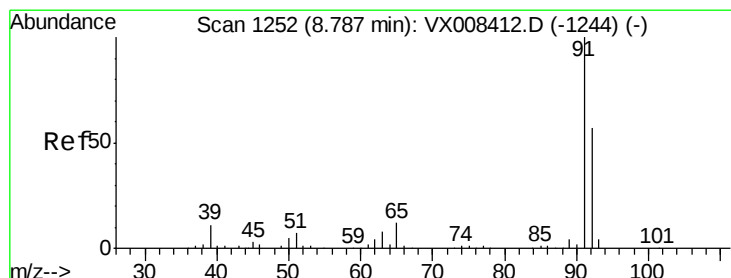
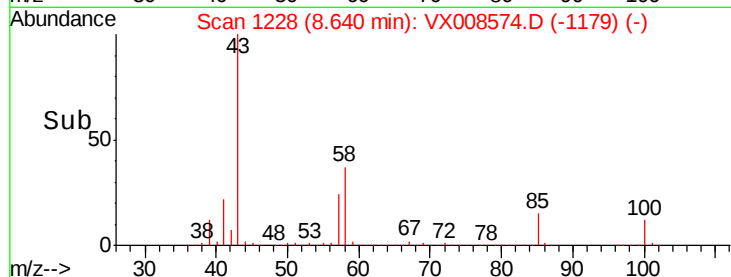


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 46.799 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008574.D

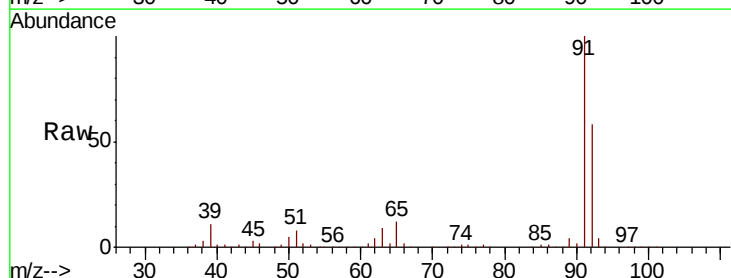
Acq: 01 Apr 2019 17:20

Tgt Ion: 92 Resp: 273771

Ion Ratio Lower Upper

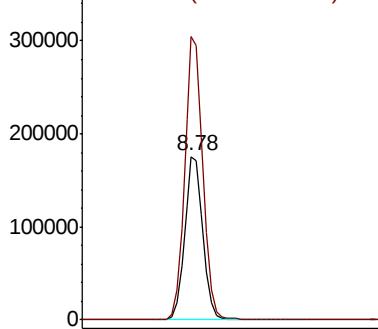
92 100

91 173.8 140.2 210.4

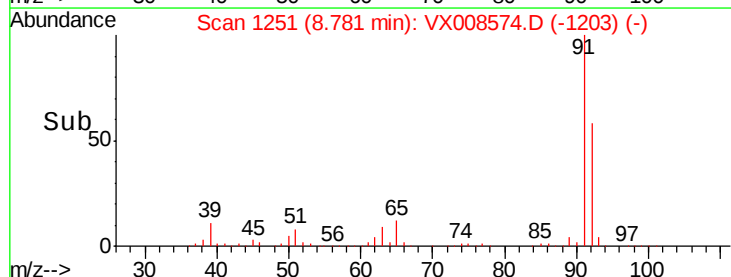


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





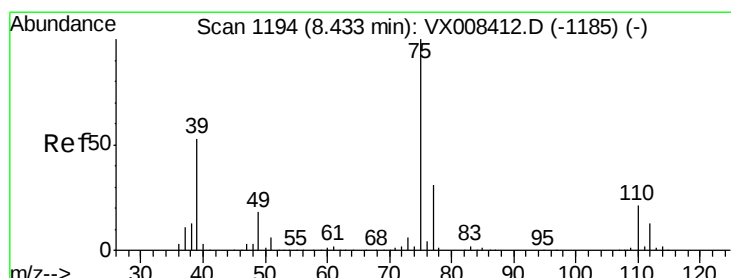
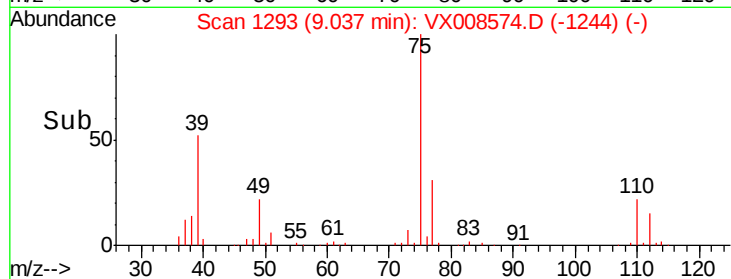
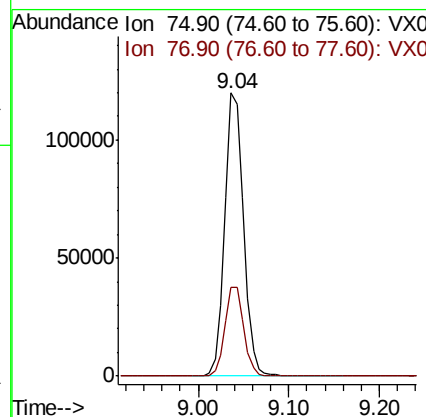
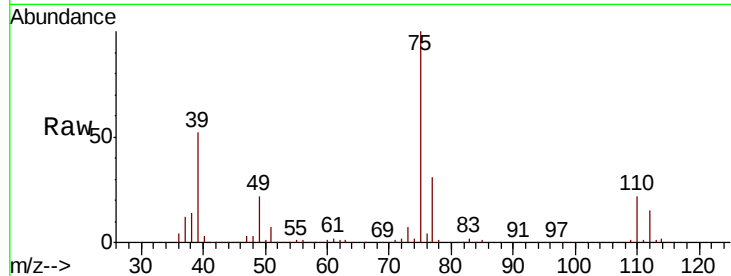
#53
t-1,3-Dichloropropene
Concen: 50.991 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Resp	Lower	Upper
75	100	173600		
77	31.4	24.3	36.5	

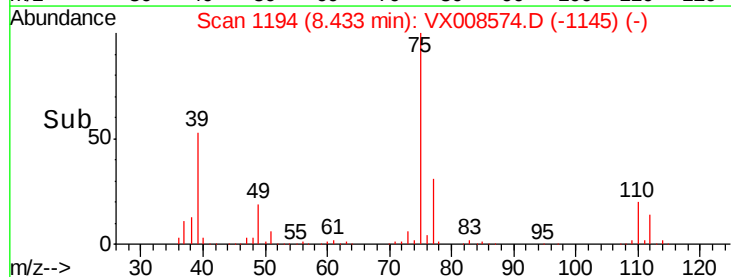
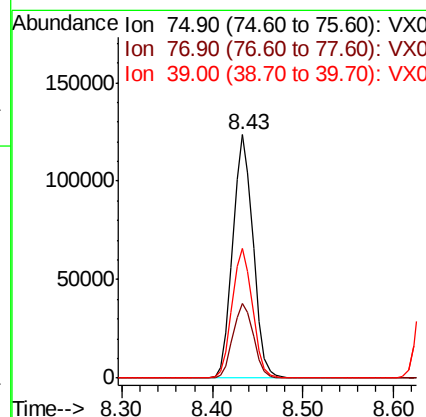
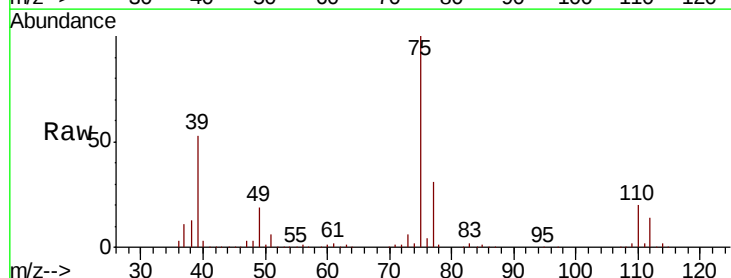
Manual Integrations
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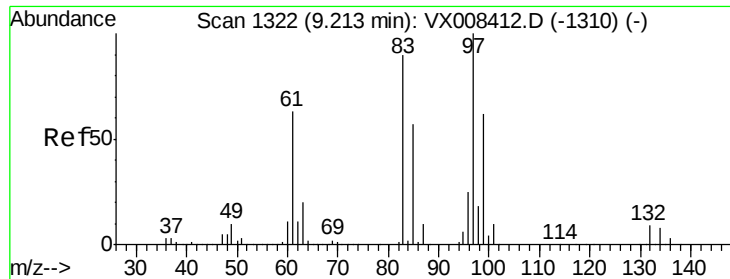
MMDadoda
4/2/2019 10:06:17 AM



#54
cis-1,3-Dichloropropene
Concen: 49.829 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	192908		
77	30.7	24.7	37.1	
39	53.0	42.4	63.6	





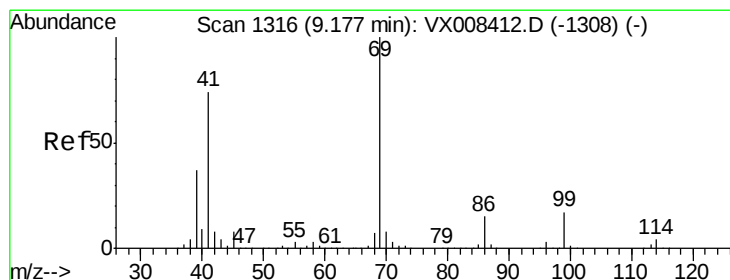
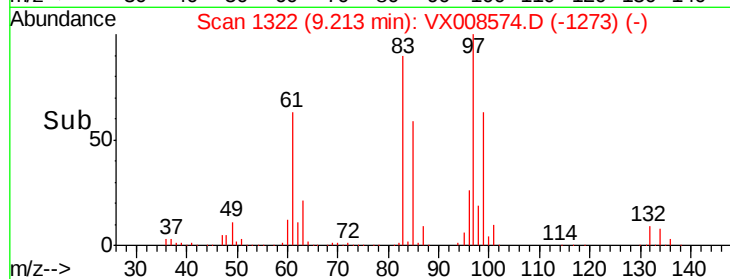
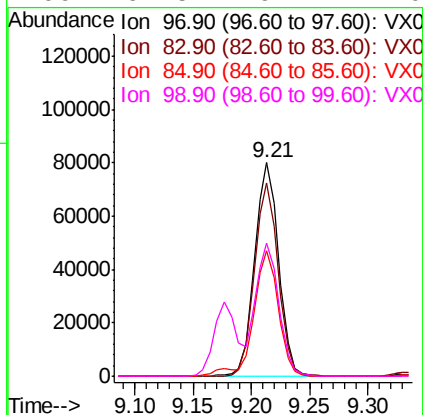
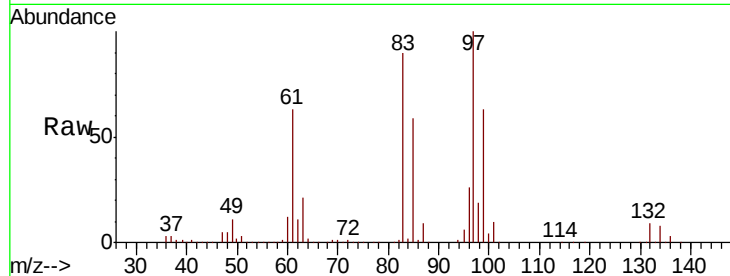
#55
 1,1,2-Trichloroethane
 Concen: 48.557 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion:	97	Resp:	115631
Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.8	107.6
85	59.0	45.9	68.9
99	62.5	49.4	74.0

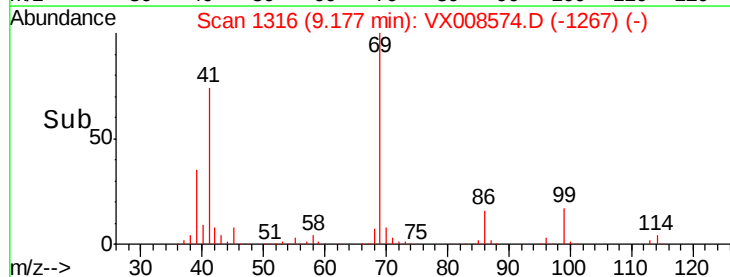
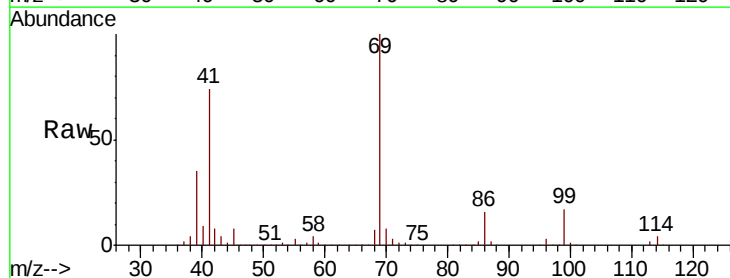
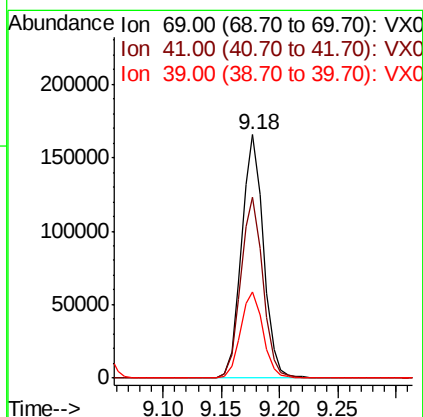
Manual Integrations
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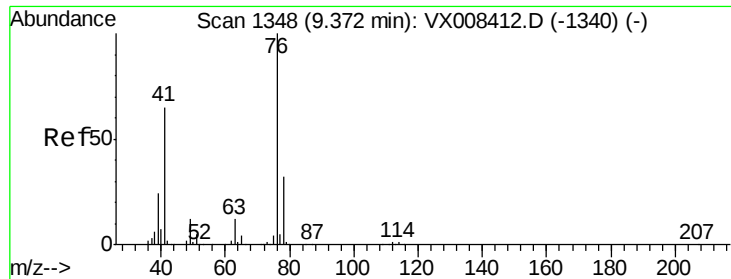
MMDadoda
 4/2/2019 10:06:17 AM



#56
 Ethyl methacrylate
 Concen: 50.841 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion:	69	Resp:	218540
Ion	Ratio	Lower	Upper
69	100		
41	75.0	59.5	89.3
39	36.4	29.3	43.9





#57

1,3-Dichloropropane

Concen: 47.898 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion: 76 Resp: 204503

Ion Ratio Lower Upper

76 100

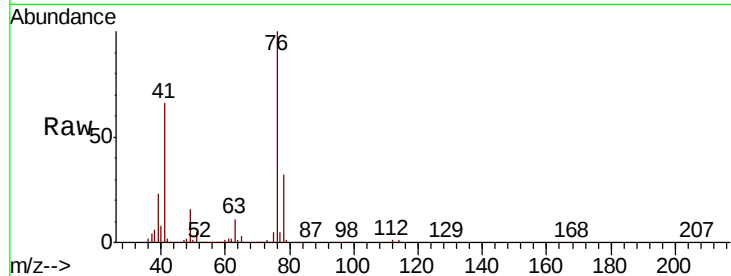
78 32.3 25.8 38.8

Manual Integrations

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MMDadoda

4/2/2019 10:06:17 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

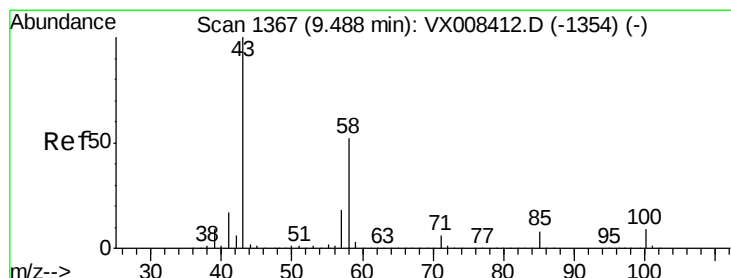
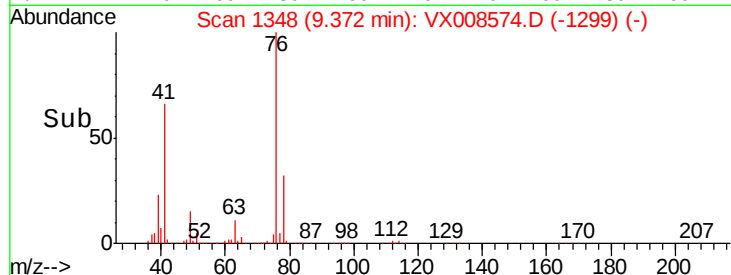
100000

50000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 260.363 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX008574.D

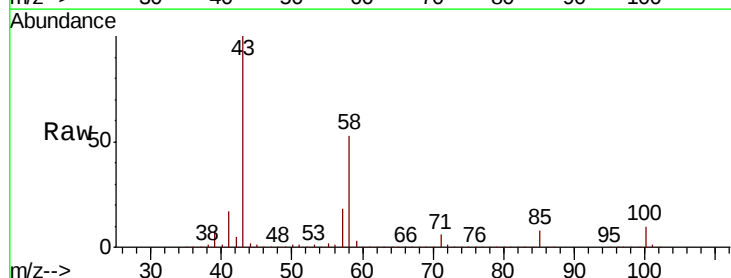
Acq: 01 Apr 2019 17:20

Tgt Ion: 43 Resp: 887343

Ion Ratio Lower Upper

43 100

58 52.4 26.3 78.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

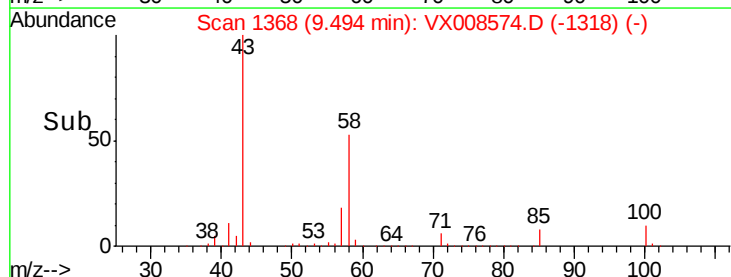
400000

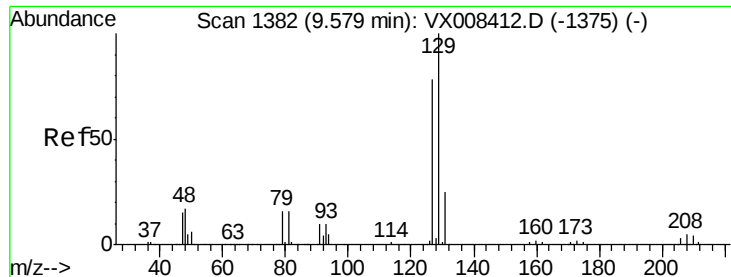
200000

0

9.40 9.45 9.50 9.55 9.60

Time-->





#60

Dibromochloromethane

Concen: 50.201 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion:129 Resp: 113690

Ion Ratio Lower Upper

129 100

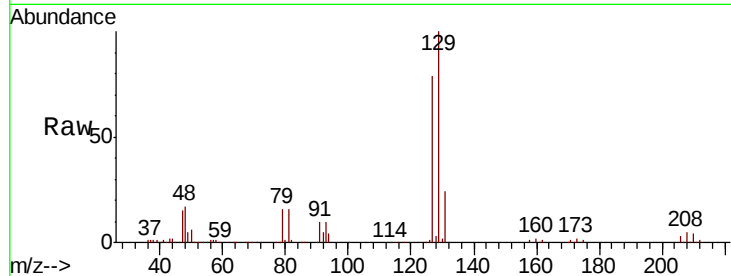
127 77.5 38.1 114.3

Manual Integrations

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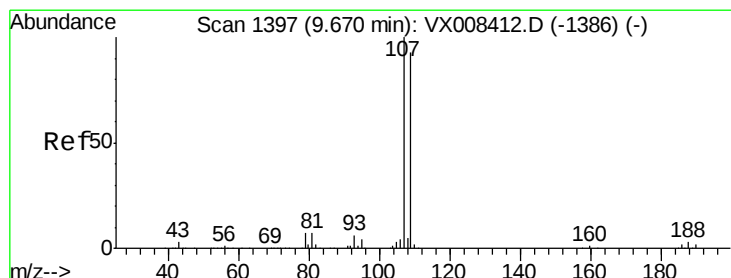
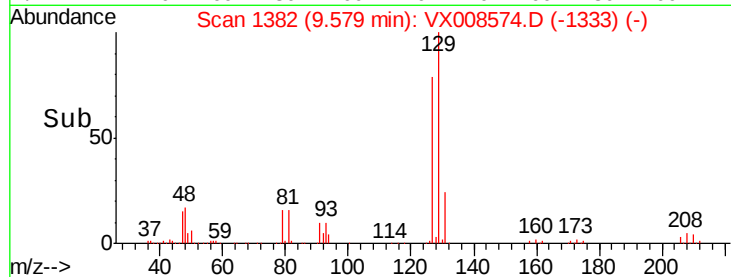
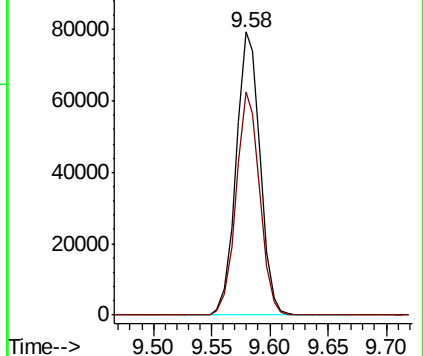
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.862 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008574.D

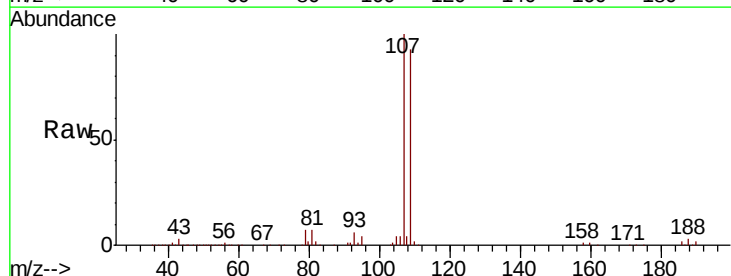
Acq: 01 Apr 2019 17:20

Tgt Ion:107 Resp: 118744

Ion Ratio Lower Upper

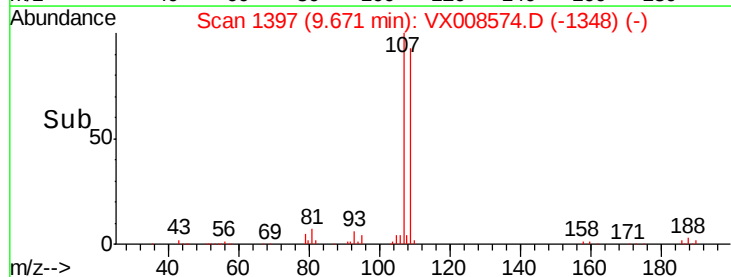
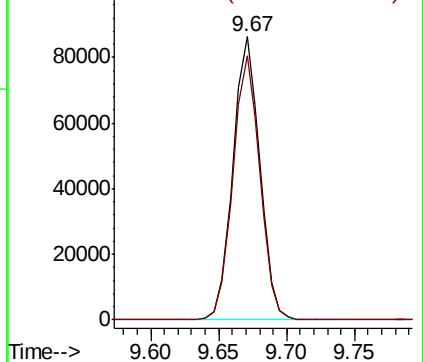
107 100

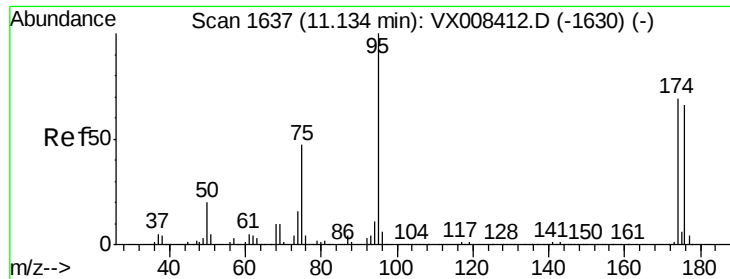
109 93.6 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





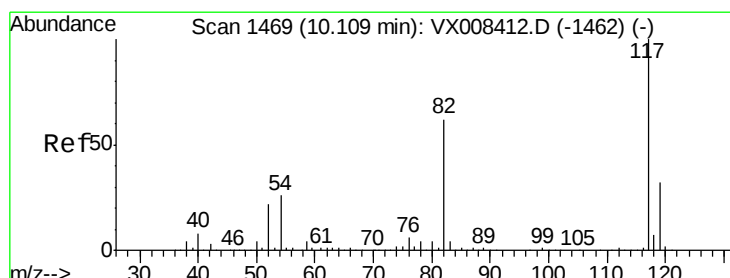
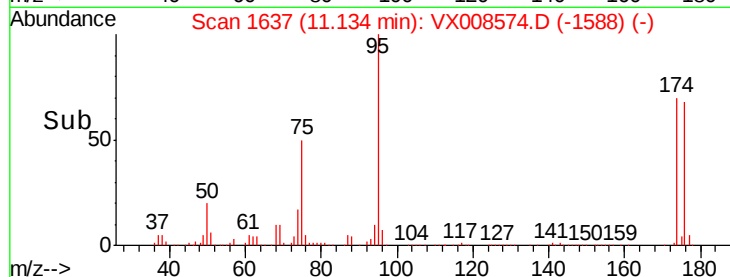
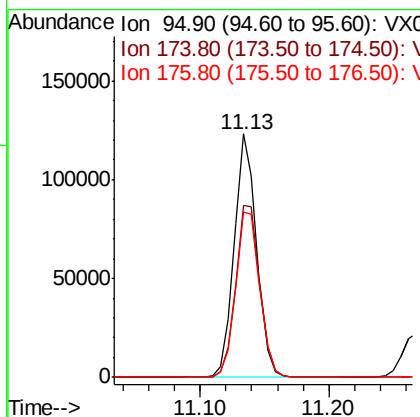
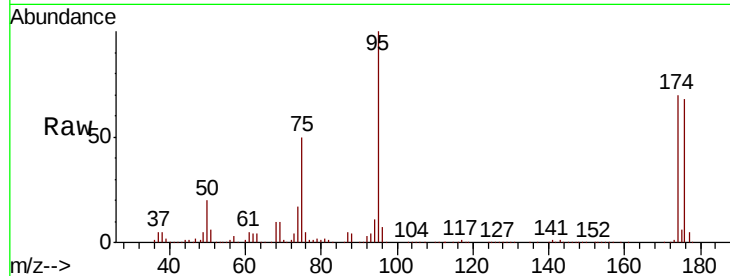
#62
4-Bromofluorobenzene
Concen: 50.345 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	149090		
174	75.6	0.0	147.2	
176	72.8	0.0	142.4	

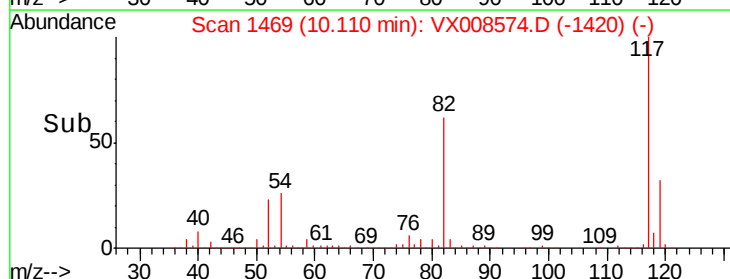
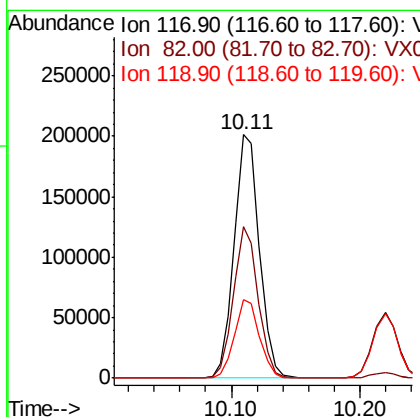
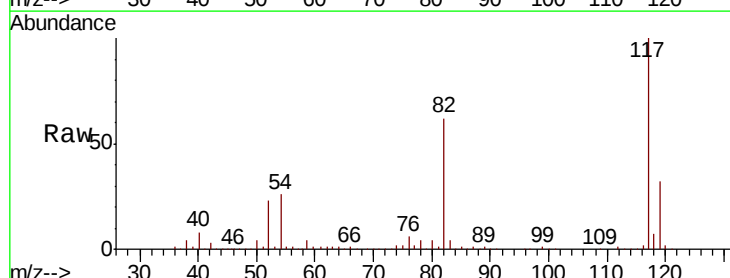
Manual Integrations
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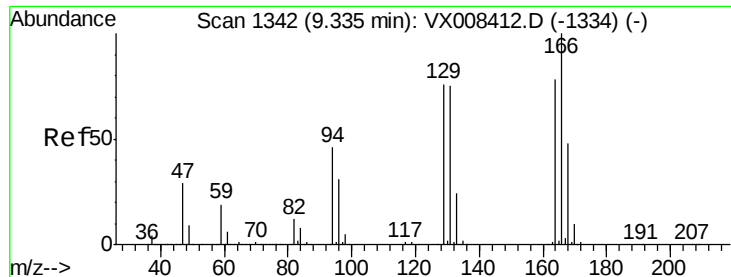
MMDadoda
4/2/2019 10:06:17 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	275439		
82	62.4	49.4	74.2	
119	32.5	25.4	38.0	





#64

Tetrachloroethene

Concen: 45.559 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion:164 Resp: 84954

Ion Ratio Lower Upper

164 100

166 128.2 102.5 153.7

129 94.2 77.8 116.8

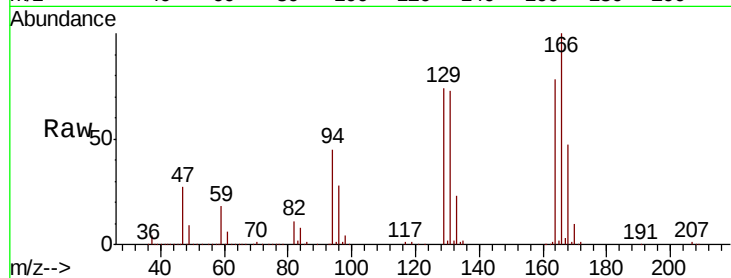
131 93.5 76.9 115.3

Manual Integrations

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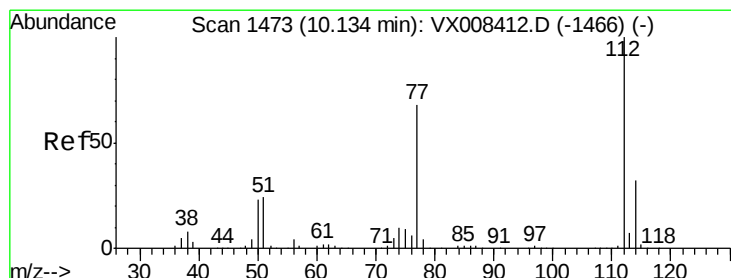
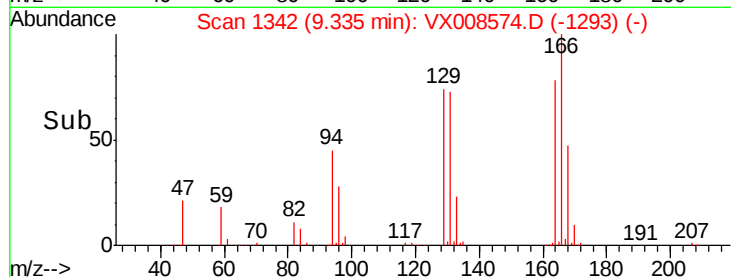
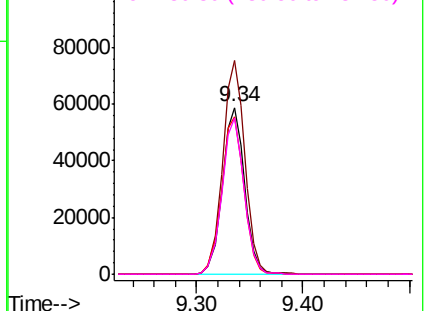
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.282 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008574.D

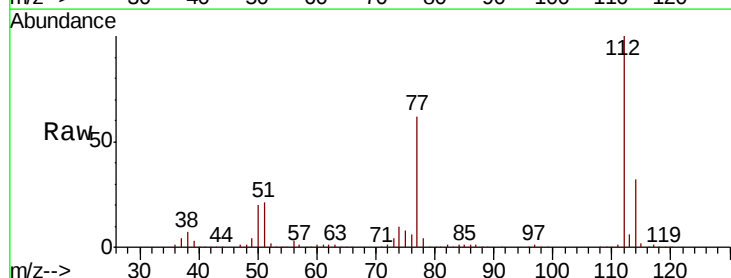
Acq: 01 Apr 2019 17:20

Tgt Ion:112 Resp: 283215

Ion Ratio Lower Upper

112 100

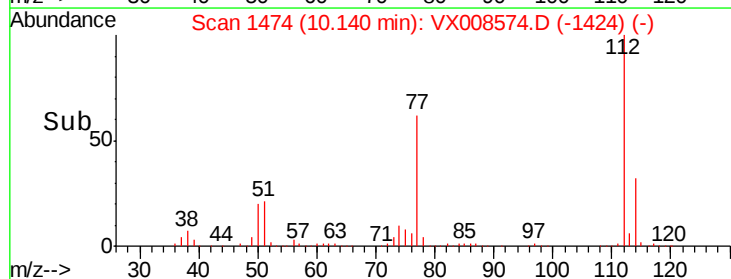
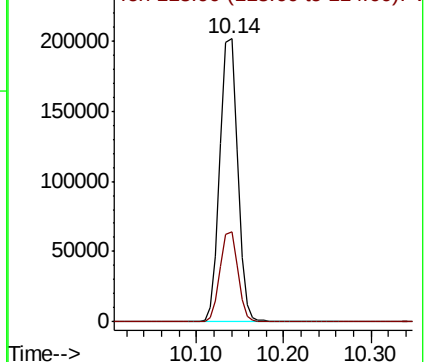
114 31.8 25.4 38.2

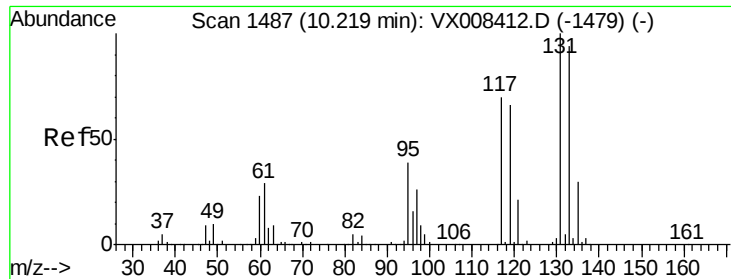


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





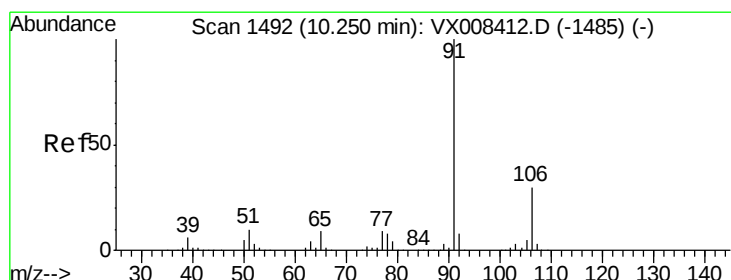
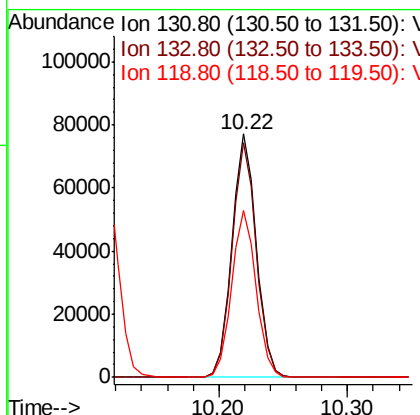
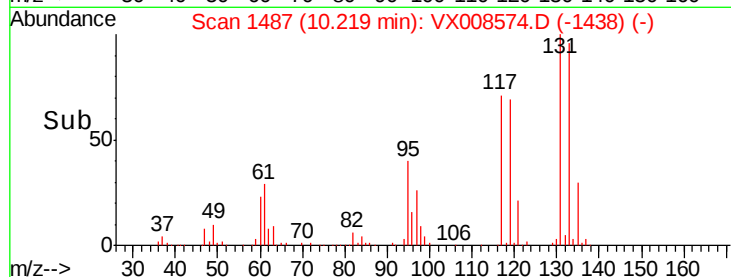
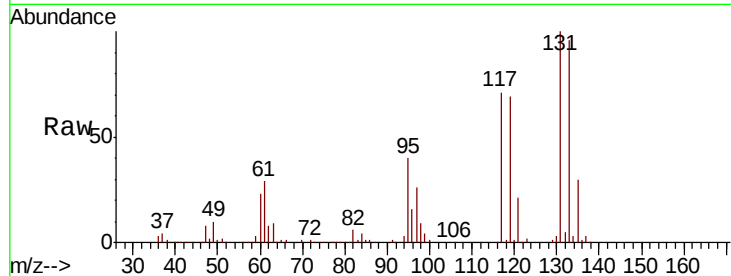
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.474 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.3	141.8
119	68.8	33.6	100.6

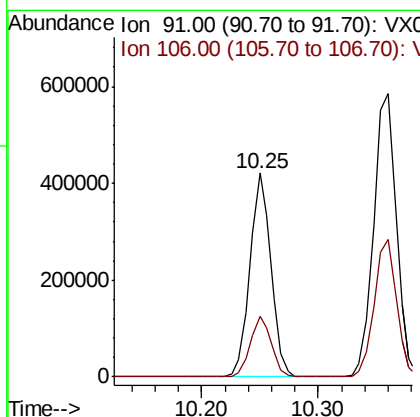
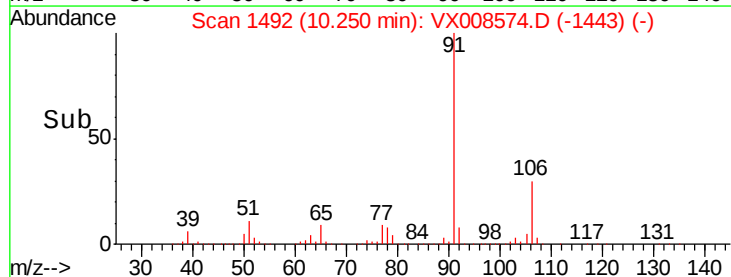
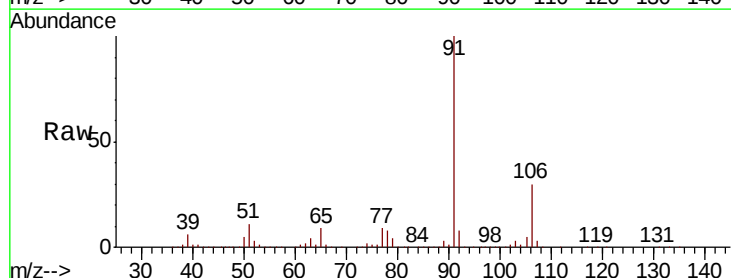
Manual Integrations
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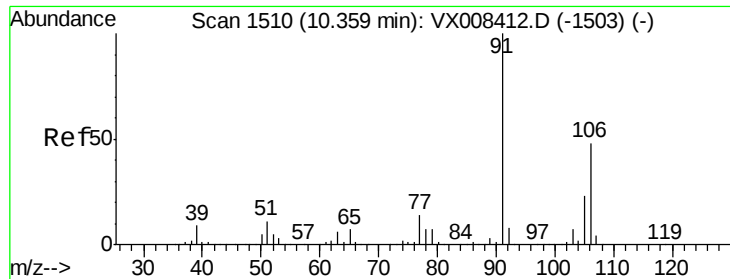
MMDadoda
 4/2/2019 10:06:17 AM



#67
 Ethyl Benzene
 Concen: 46.978 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.0	36.0





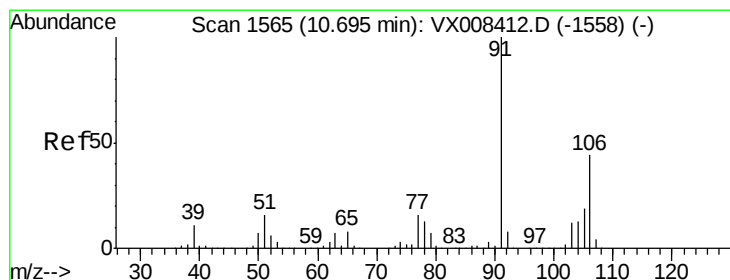
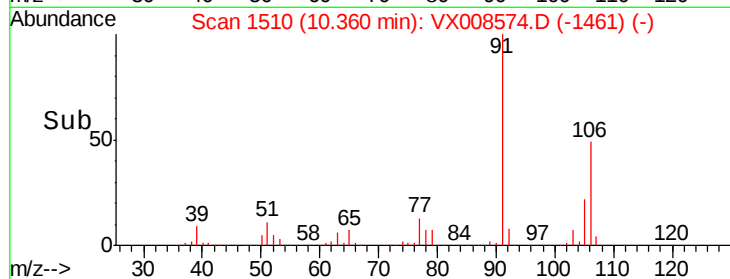
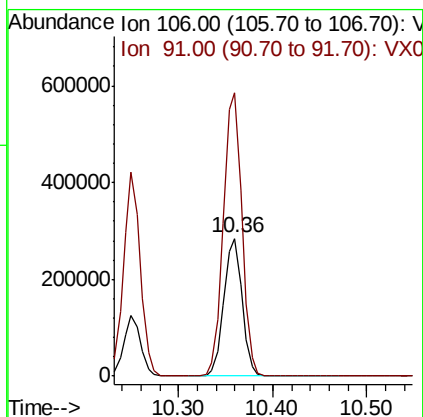
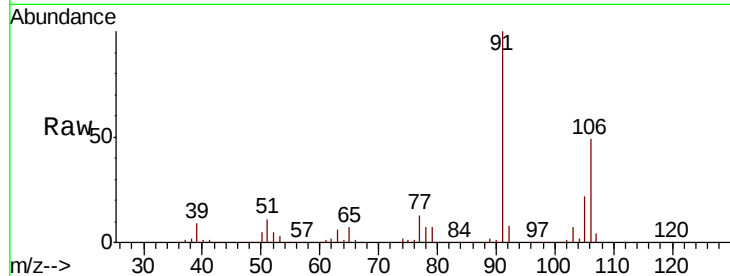
#68
m/p-Xvlenes
Concen: 92.836 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion:106 Resp: 381800
Ion Ratio Lower Upper
106 100
91 209.2 168.6 253.0

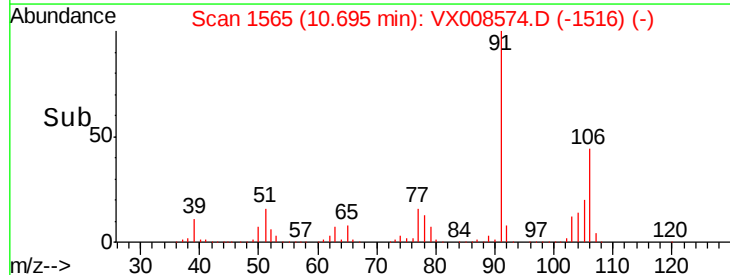
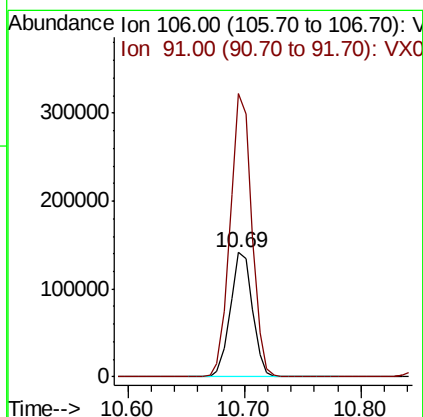
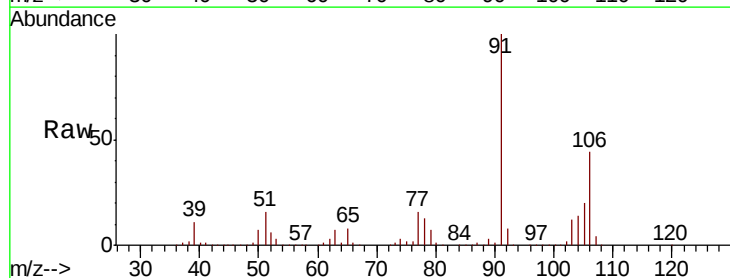
Manual Integrations
APPROVED

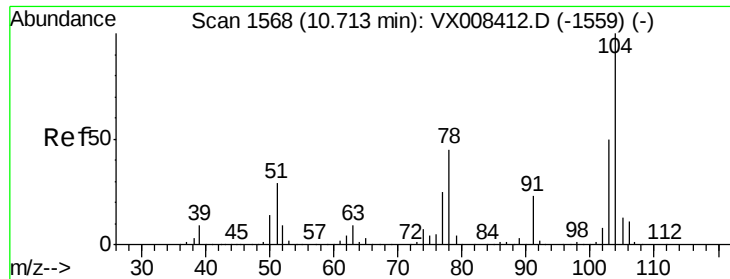
MMDadoda
4/2/2019 10:06:17 AM



#69
o-Xylene
Concen: 47.233 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion:106 Resp: 188509
Ion Ratio Lower Upper
106 100
91 221.9 111.4 334.2





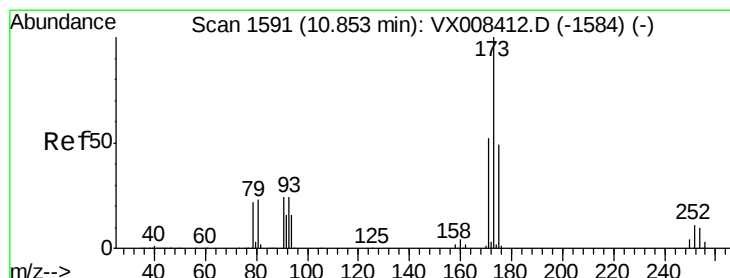
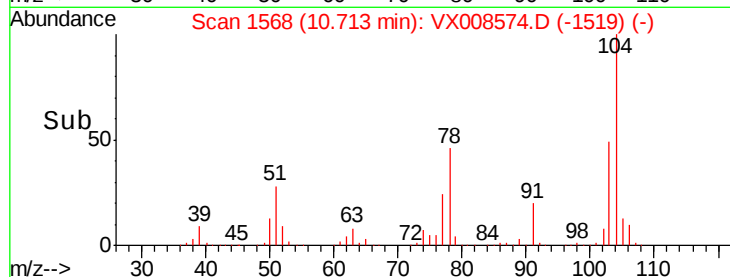
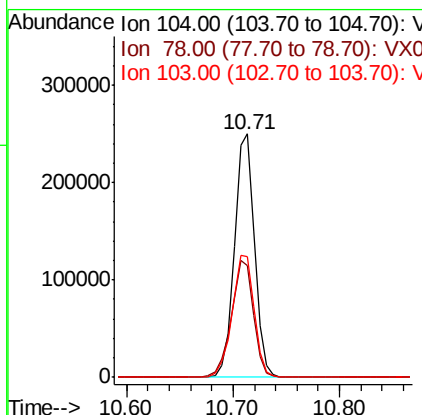
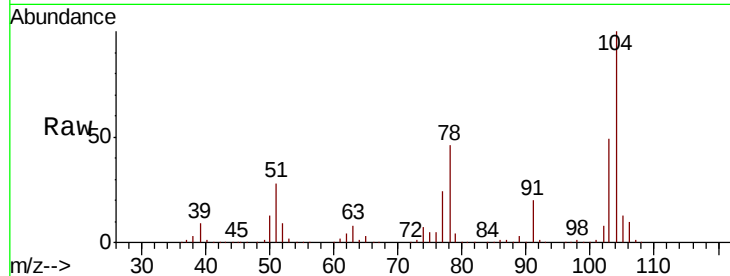
#70
Stvrene
Concen: 48.028 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.5	63.7
103	55.2	44.2	66.4

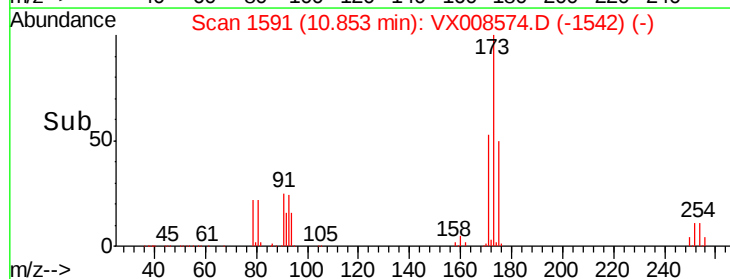
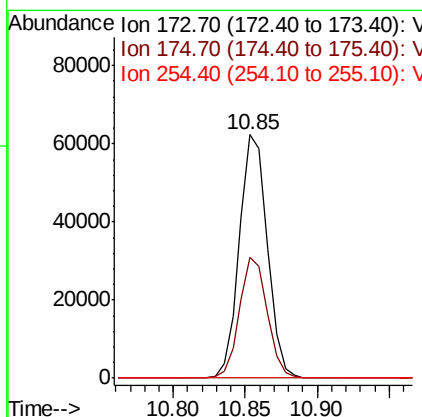
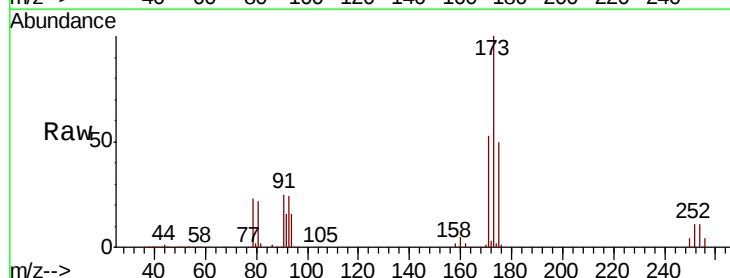
Manual Integrations
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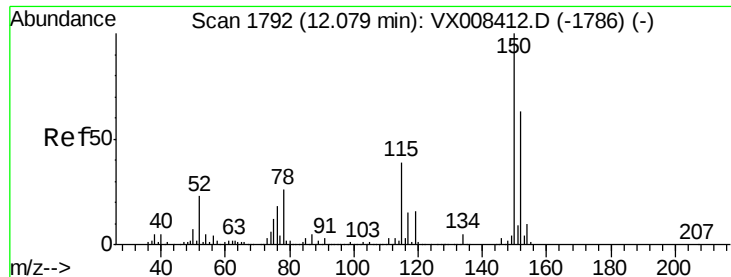
MMDadoda
4/2/2019 10:06:17 AM



#71
Bromoform
Concen: 51.506 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.1	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

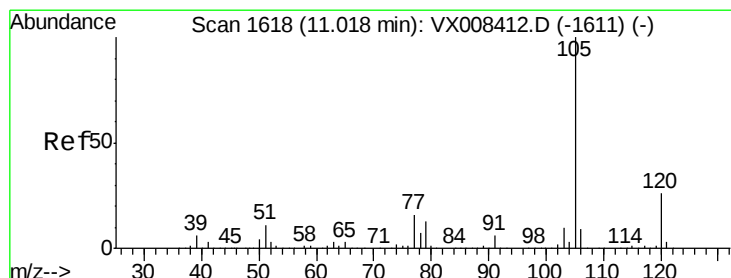
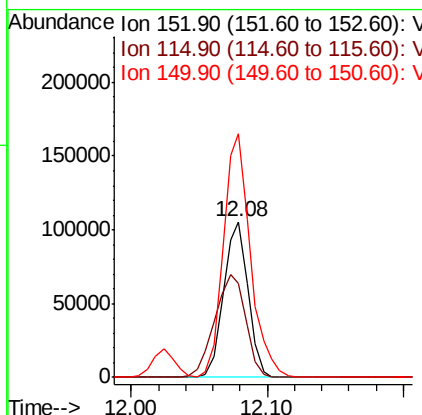
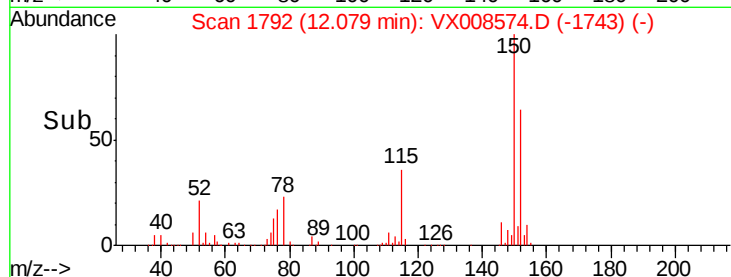
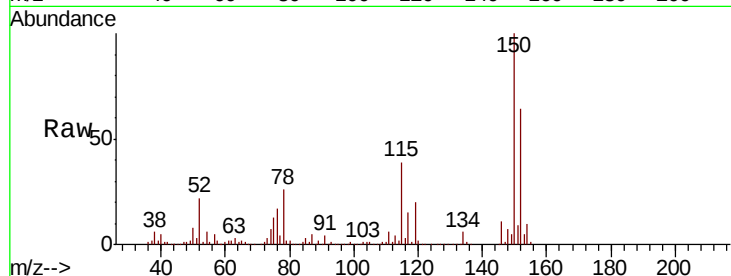
ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion:	152	Resp:	130381
Ion Ratio	Lower	Upper	
152	100		
115	84.2	43.5	130.5
150	172.9	0.0	348.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 46.979 ug/l

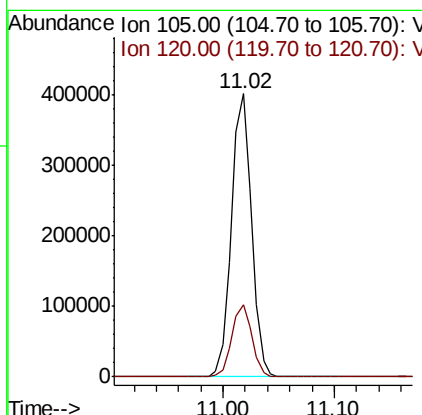
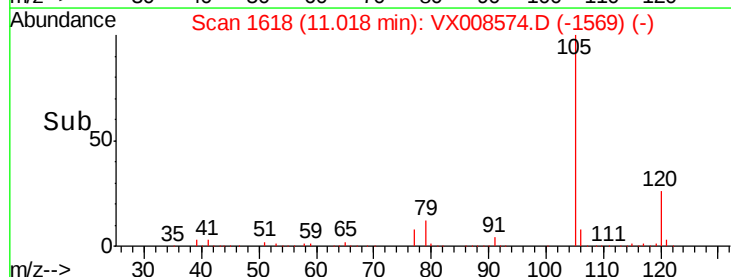
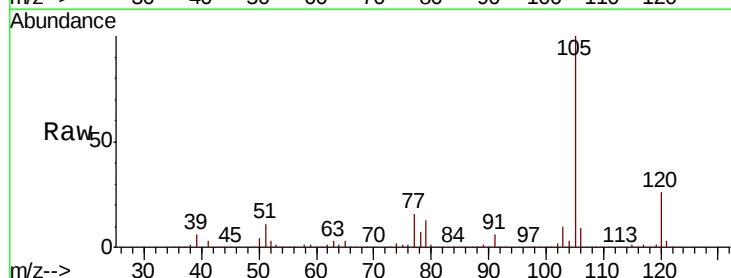
RT: 11.02 min Scan# 1618

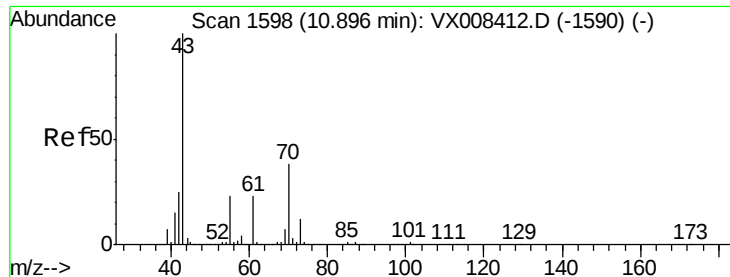
Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Tgt Ion:	105	Resp:	498314
Ion Ratio	Lower	Upper	
105	100		
120	25.6	12.9	38.7





#74

N-amvl acetate

Concen: 49.282 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

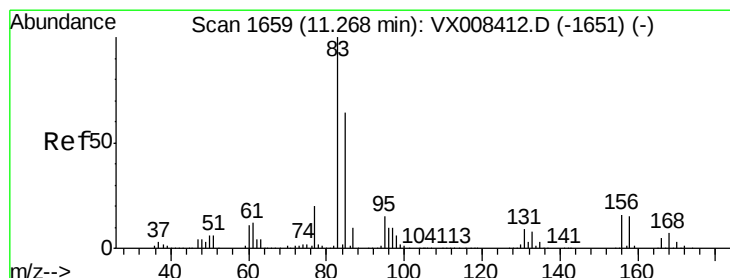
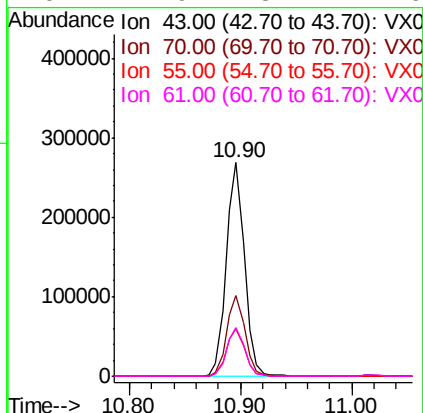
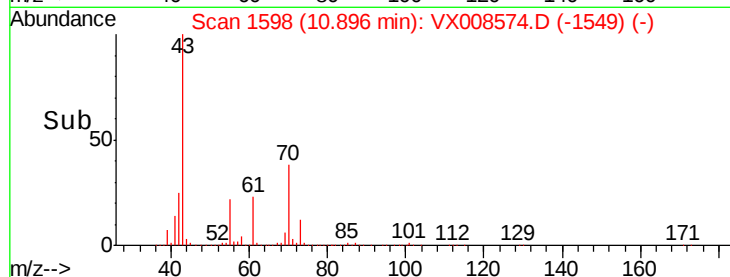
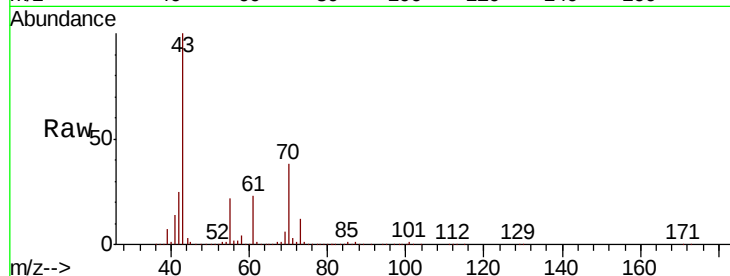
ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		302567		
70	38.3	30.5	45.7		
55	22.9	18.2	27.2		
61	22.9	18.4	27.6		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 47.657 ug/l

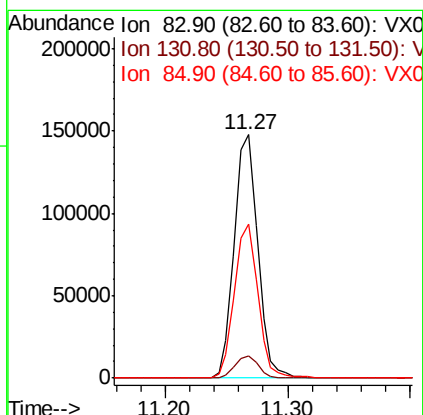
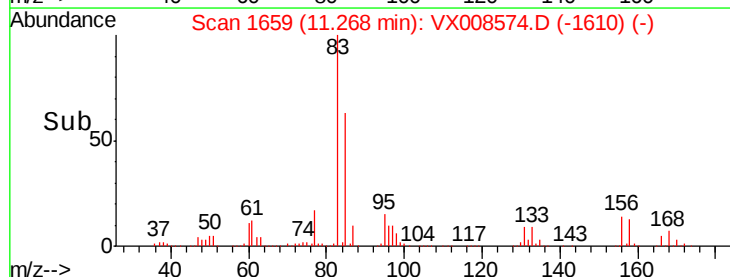
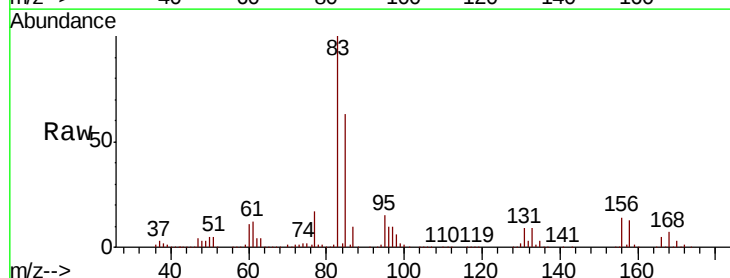
RT: 11.27 min Scan# 1659

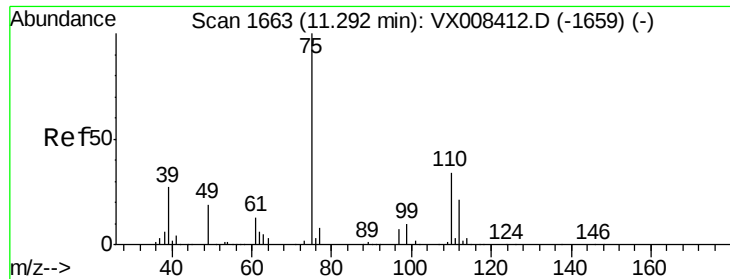
Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		196134		
131	9.0	4.5	13.4		
85	63.3	31.9	95.9		





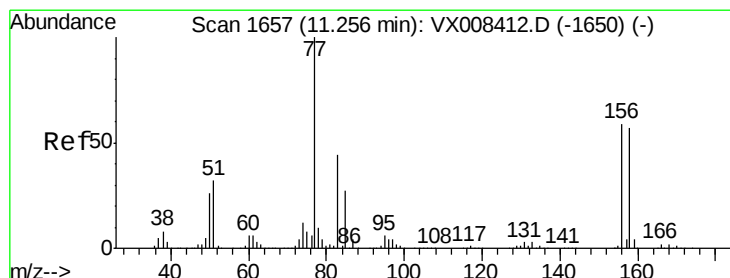
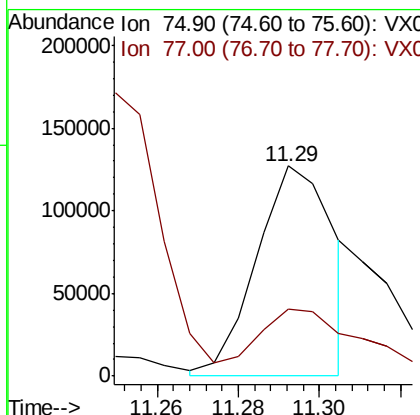
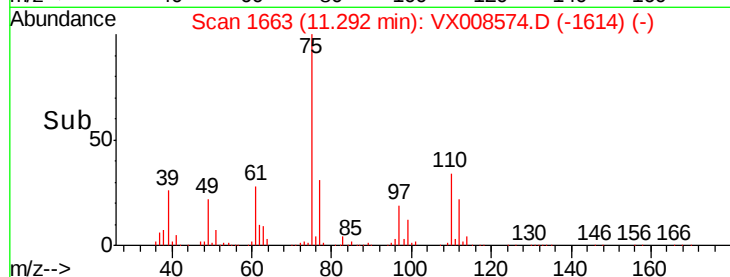
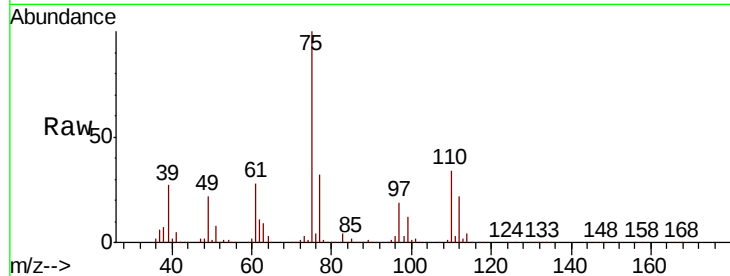
#76
 1,2,3-Trichloropropane
 Concen: 43.097 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion: 75 Resp: 167050
 Ion Ratio Lower Upper
 75 100
 77 43.4 21.9 65.7

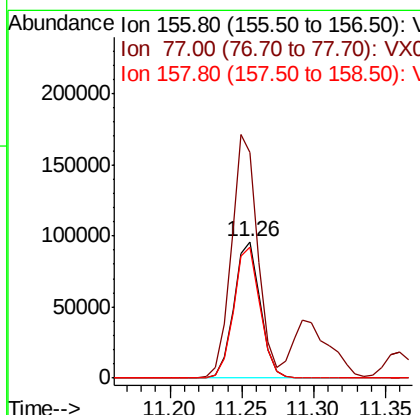
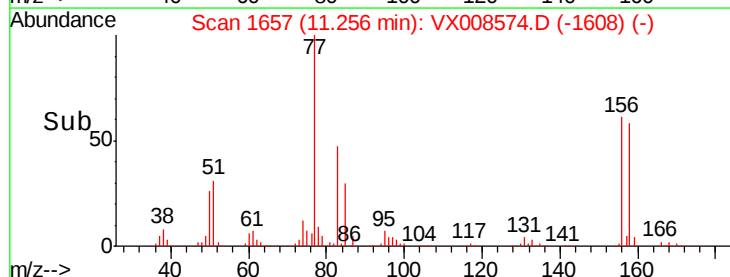
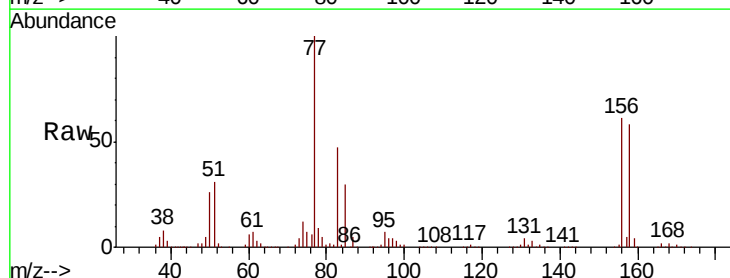
Manual Integrations
 APPROVED

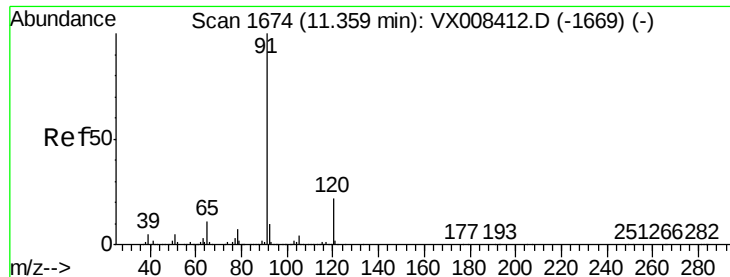
MMDadoda
 4/2/2019 10:06:17 AM



#77
 Bromobenzene
 Concen: 47.578 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion: 156 Resp: 122483
 Ion Ratio Lower Upper
 156 100
 77 178.4 91.1 273.3
 158 96.1 48.3 144.8





#78

n-propylbenzene

Concen: 46.404 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MSD

Tot Ion: 91 Resp: 576594

Ion Ratio Lower Upper

91 100

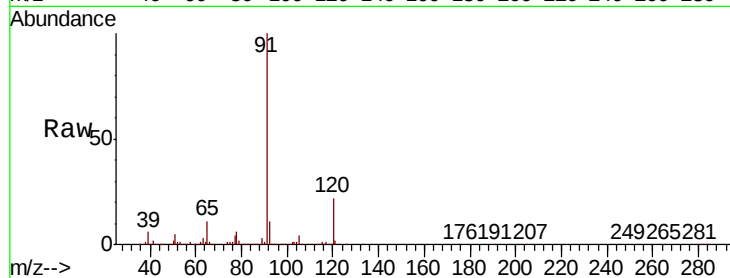
120 22.0 10.8 32.4

Manual Integrations

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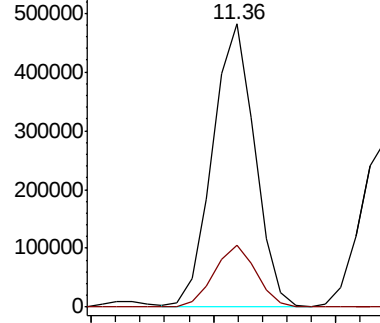
MMDadoda

4/2/2019 10:06:17 AM

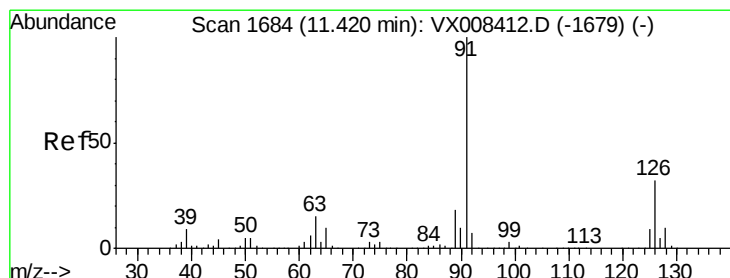
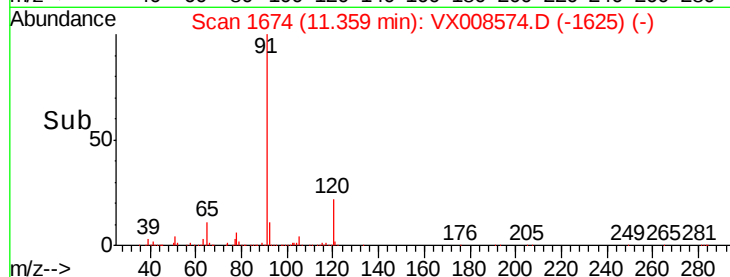


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 46.412 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008574.D

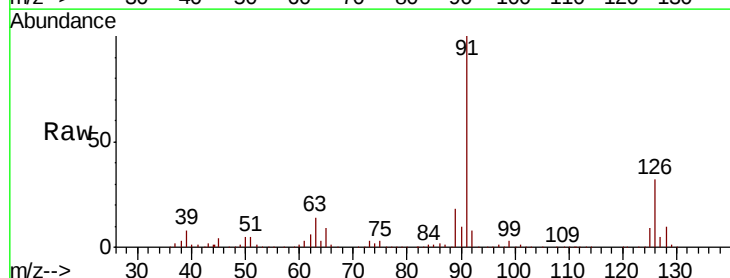
Acq: 01 Apr 2019 17:20

Tgt Ion: 91 Resp: 350765

Ion Ratio Lower Upper

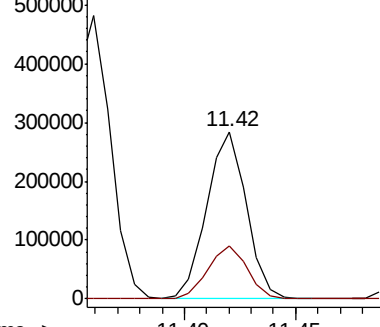
91 100

126 31.8 15.7 47.1

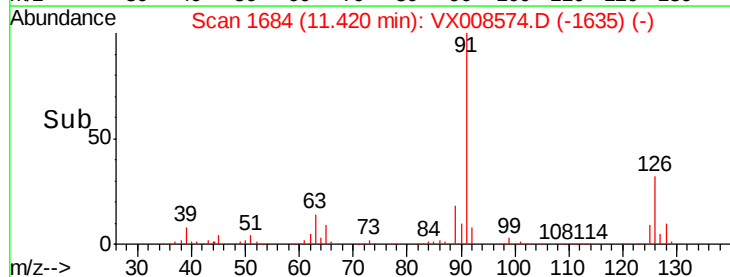


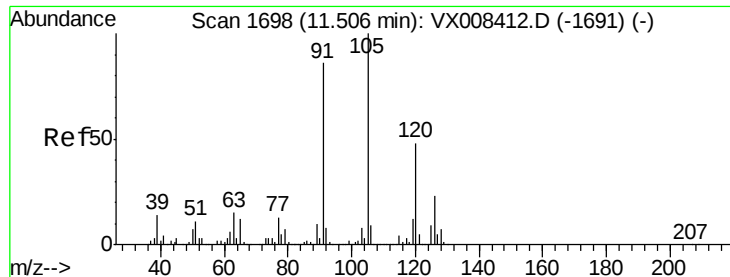
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time--> 11.40 11.45





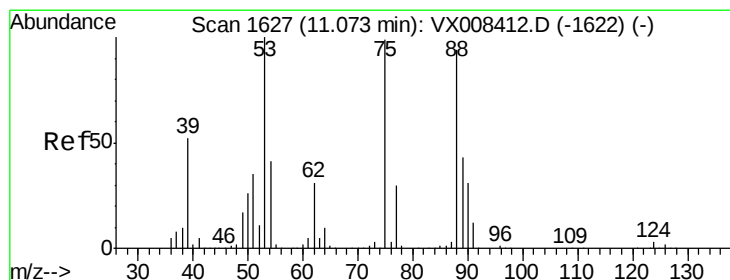
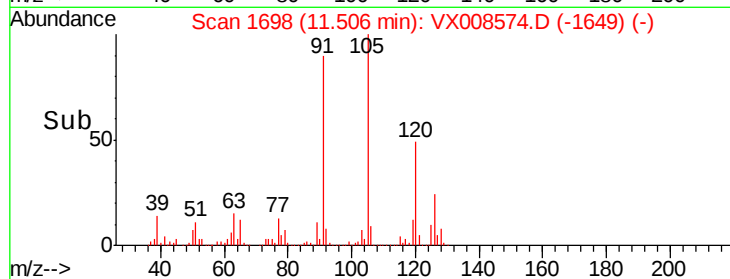
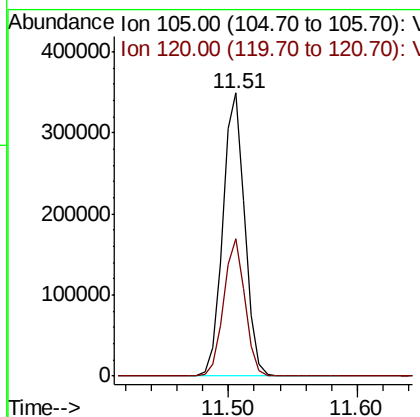
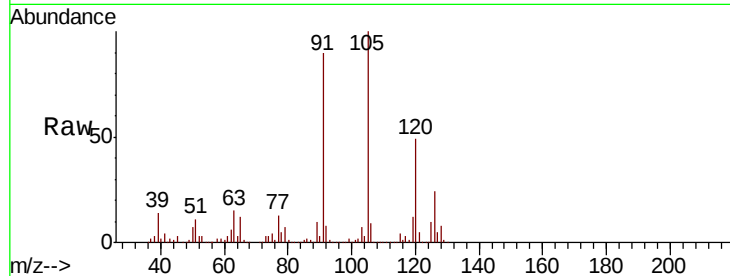
#80
 1,3,5-Trimethylbenzene
 Concen: 46.681 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion: 105 Resp: 418614
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.3

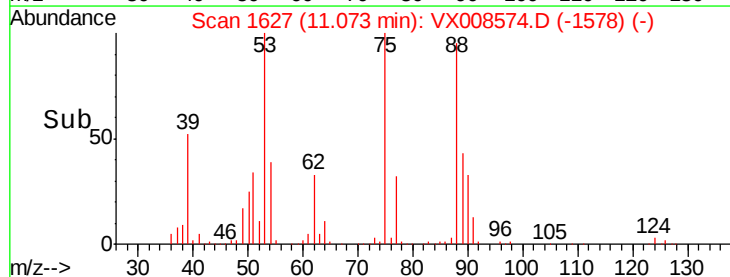
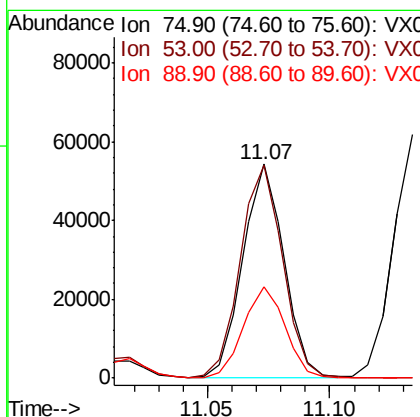
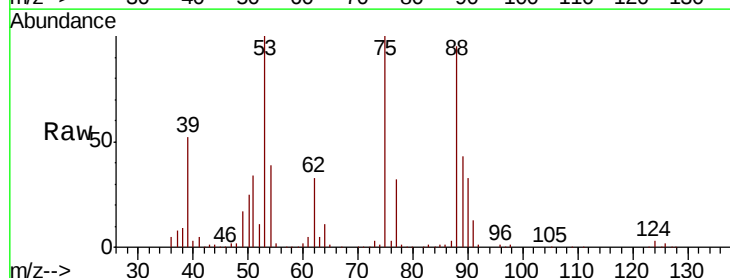
Manual Integrations
 APPROVED

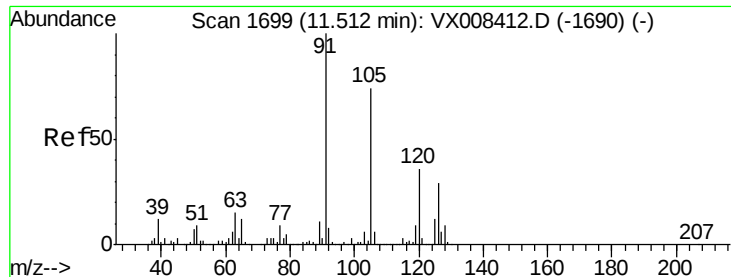
MMDadoda
 4/2/2019 10:06:17 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.814 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion: 75 Resp: 63916
 Ion Ratio Lower Upper
 75 100
 53 102.0 82.1 123.1
 89 43.0 34.6 52.0





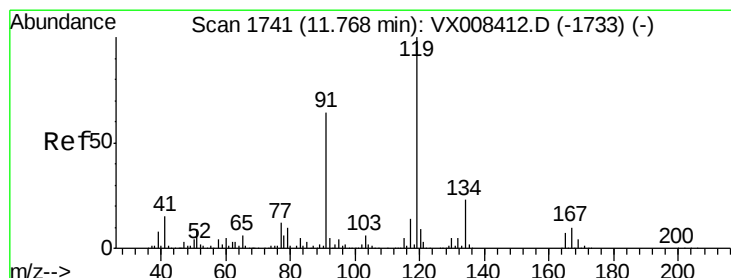
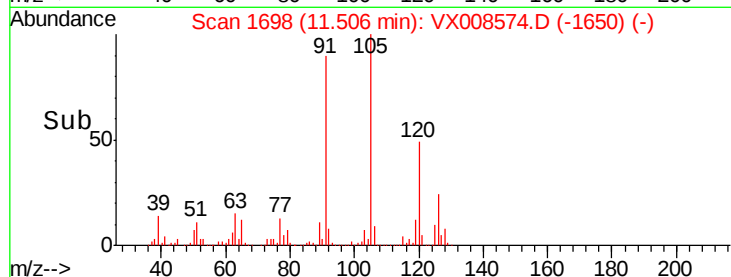
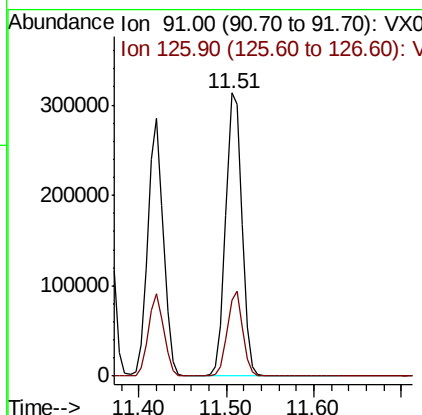
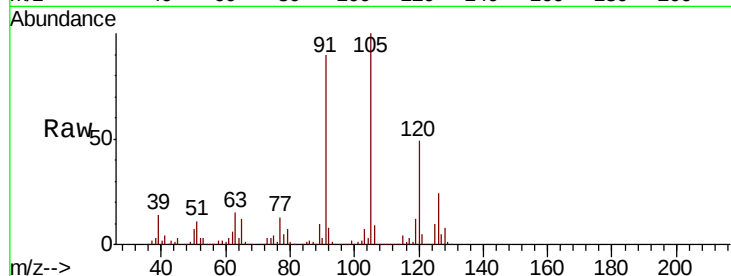
#82
4-Chlorotoluene
Concen: 46.107 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion: 91 Resp: 401952
Ion Ratio Lower Upper
91 100
126 28.2 13.9 41.7

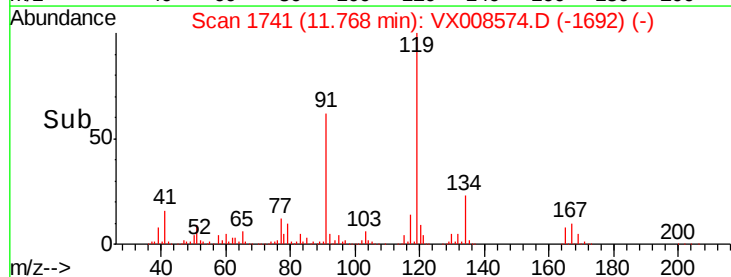
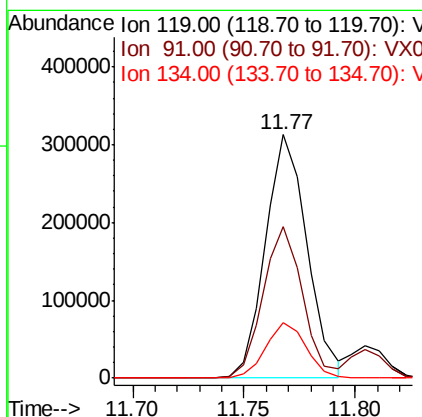
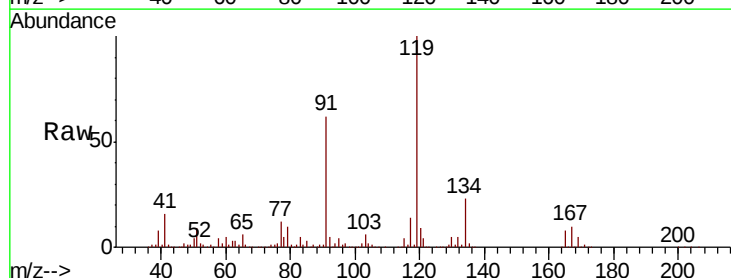
Manual Integrations
APPROVED

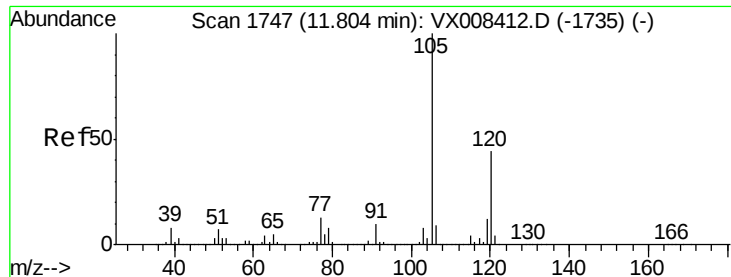
MMDadoda
4/2/2019 10:06:17 AM



#83
tert-Butylbenzene
Concen: 46.962 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion: 119 Resp: 406309
Ion Ratio Lower Upper
119 100
91 59.4 30.1 90.3
134 22.1 10.9 32.9





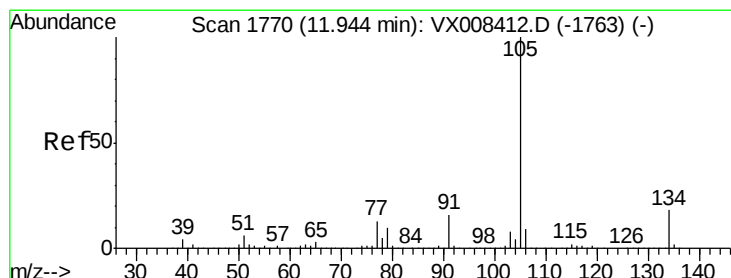
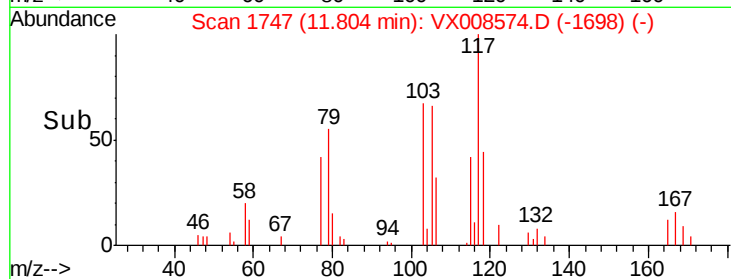
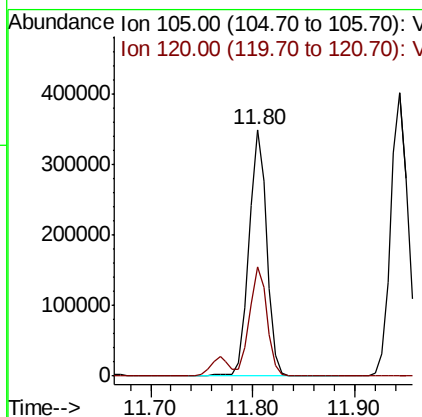
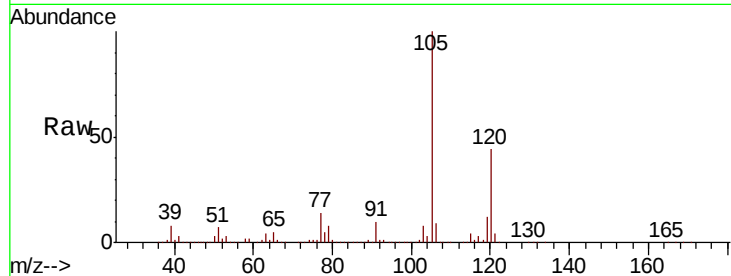
#84
 1,2,4-Trimethylbenzene
 Concen: 46.620 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion:105 Resp: 422853
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.6 65.0

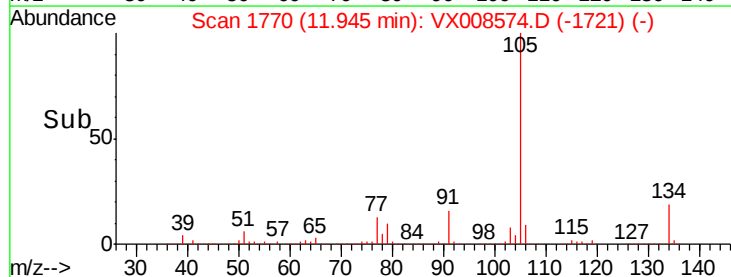
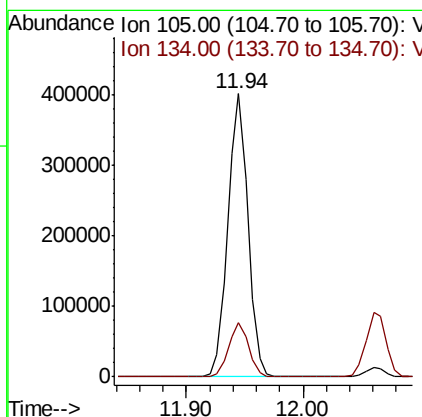
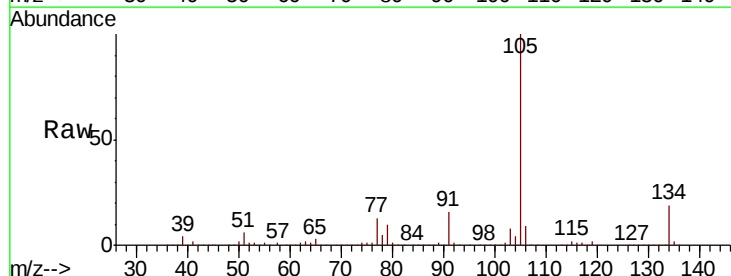
Manual Integrations
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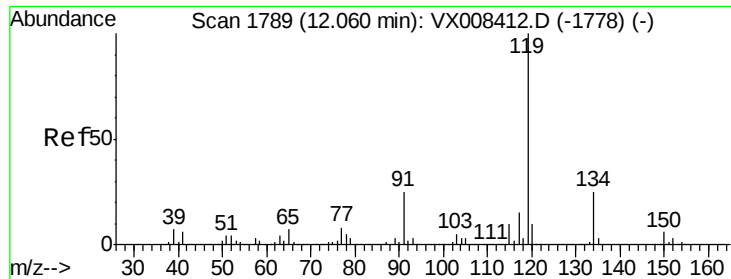
MMDadoda
 4/2/2019 10:06:17 AM



#85
 sec-Butylbenzene
 Concen: 46.482 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion:105 Resp: 478908
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.3 28.0





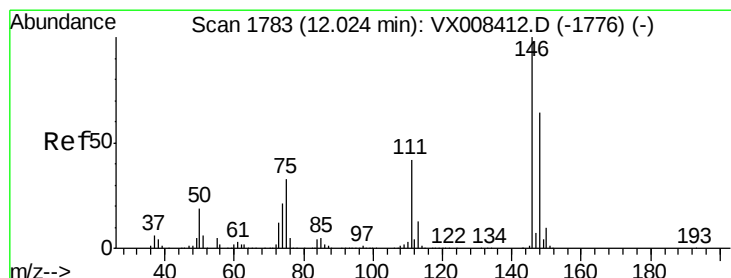
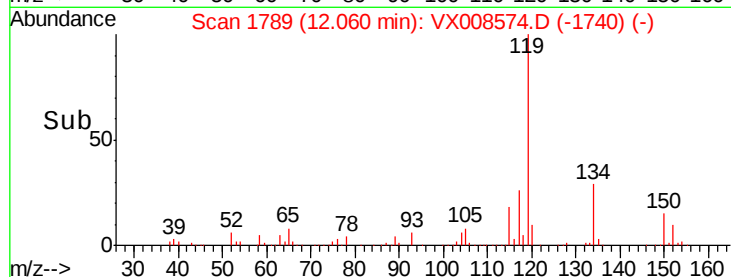
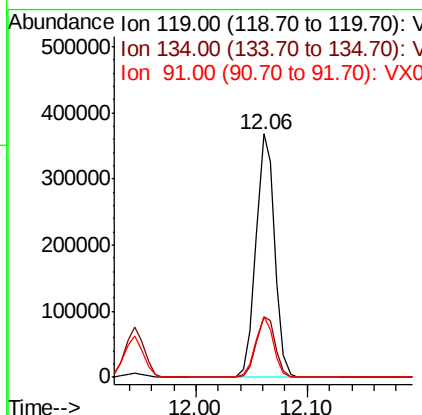
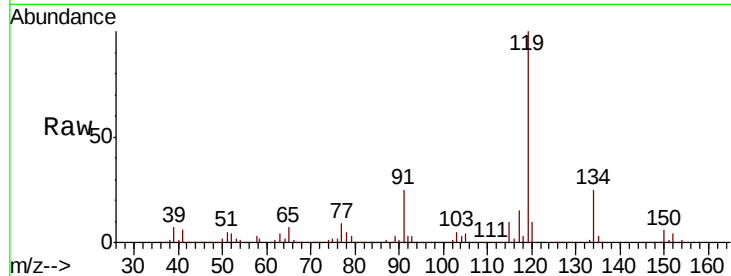
#86
p-Isopropyltoluene
Concen: 47.375 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	430700		
134	25.6	12.8	38.4	
91	24.2	12.4	37.0	

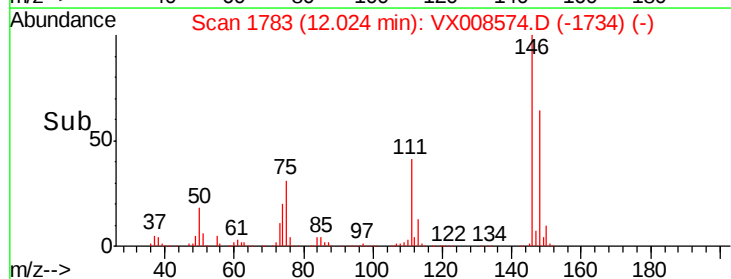
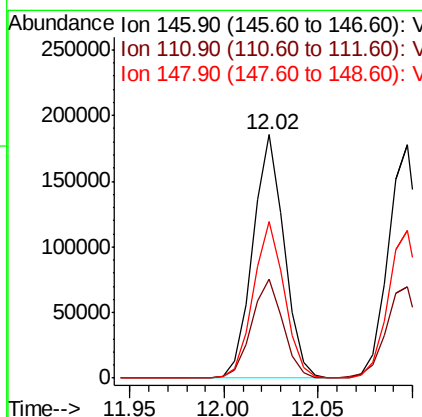
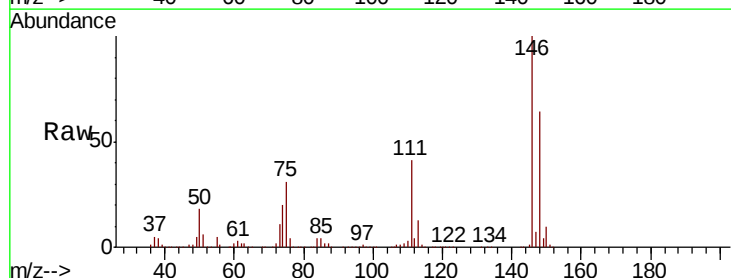
Manual Integrations
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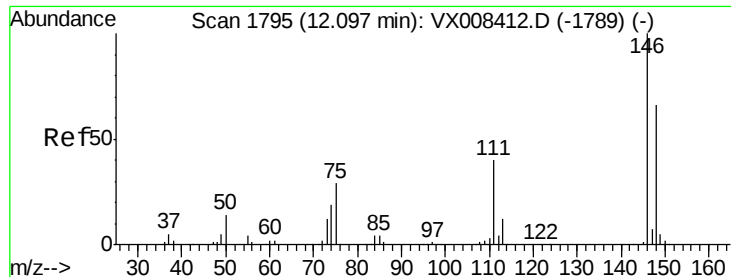
MMDadoda
4/2/2019 10:06:17 AM



#87
1,3-Dichlorobenzene
Concen: 46.335 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	213122		
111	41.1	20.8	62.5	
148	63.9	32.0	96.0	





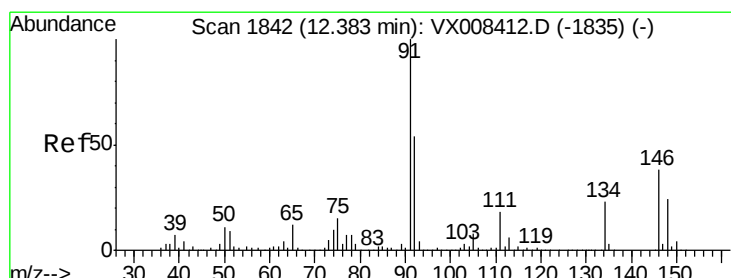
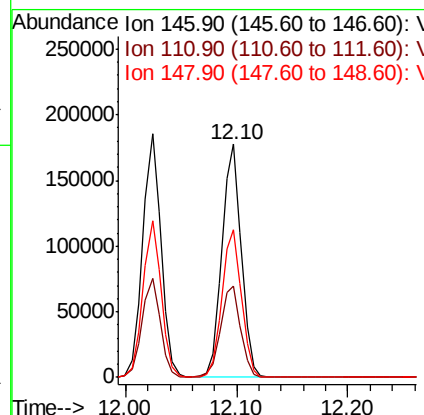
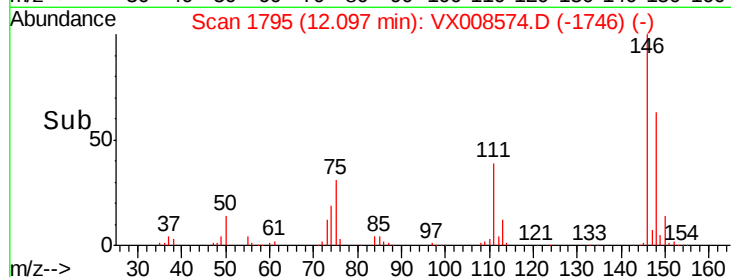
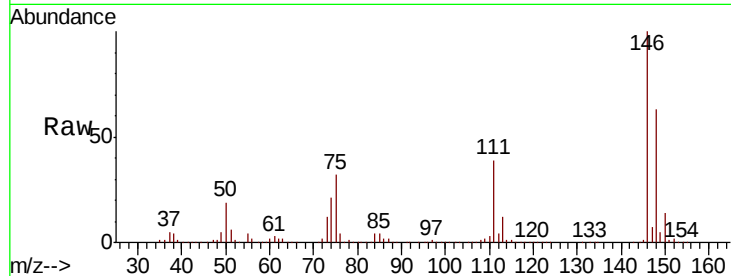
#88
 1,4-Dichlorobenzene
 Concen: 45.790 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	212561		
111	40.6	20.3	61.0	
148	64.1	32.1	96.5	

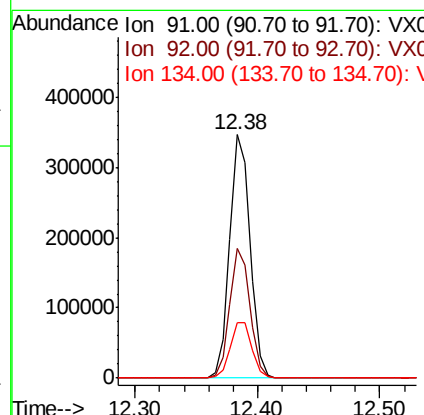
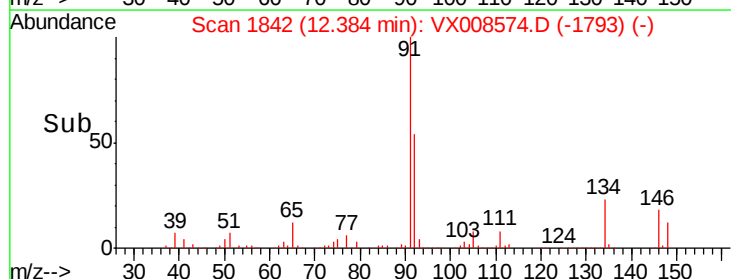
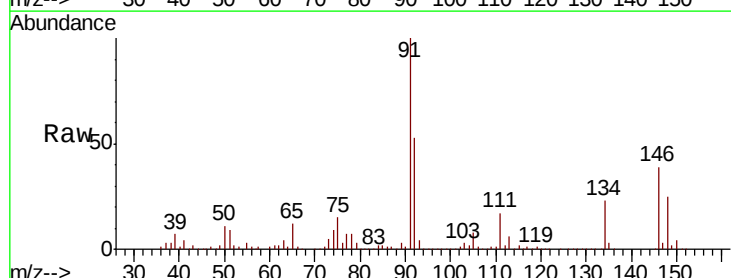
Manual Integrations
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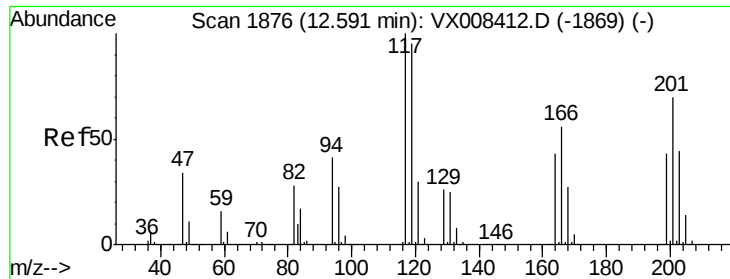
MMDadoda
 4/2/2019 10:06:17 AM



#89
 n-Butylbenzene
 Concen: 46.434 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	399899		
92	53.0	26.5	79.5	
134	24.2	11.8	35.4	





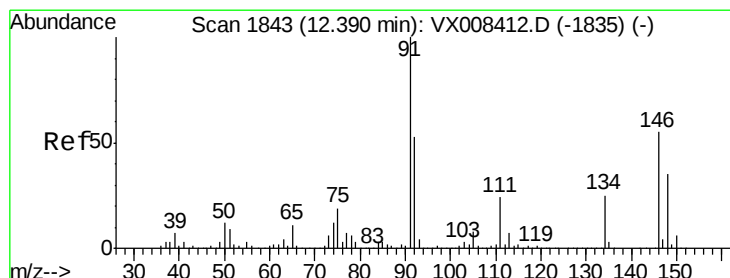
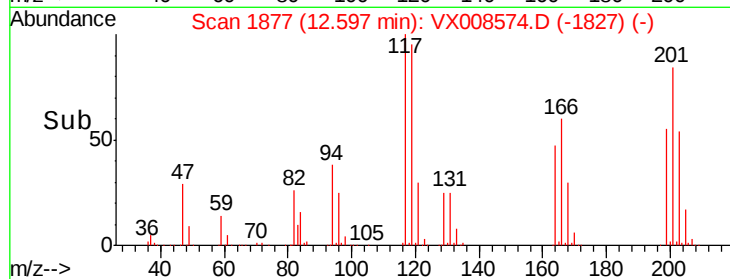
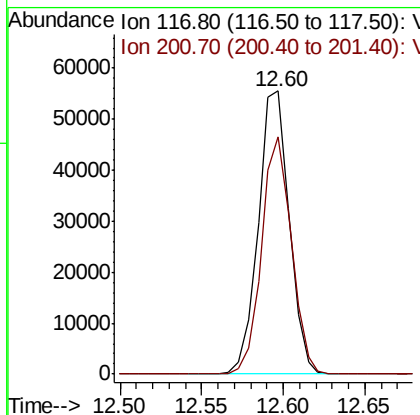
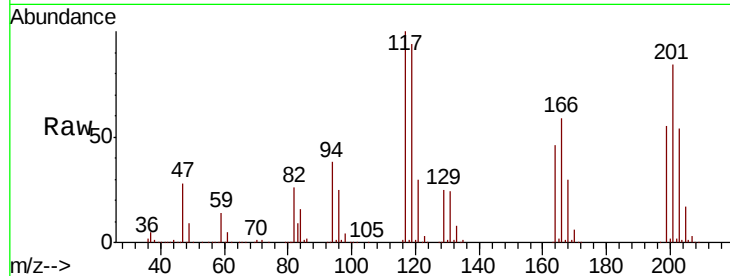
#90
Hexachloroethane
Concen: 48.354 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MSD

Tot Ion:117 Resp: 73237
Ion Ratio Lower Upper
117 100
201 80.3 39.4 118.1

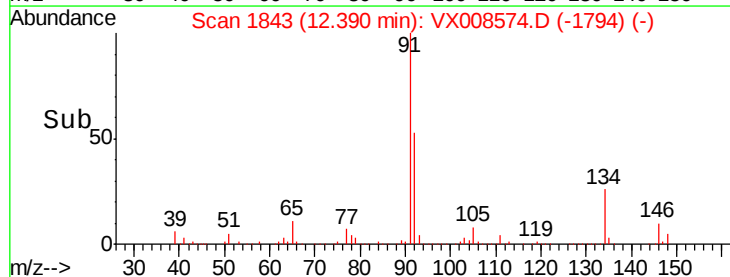
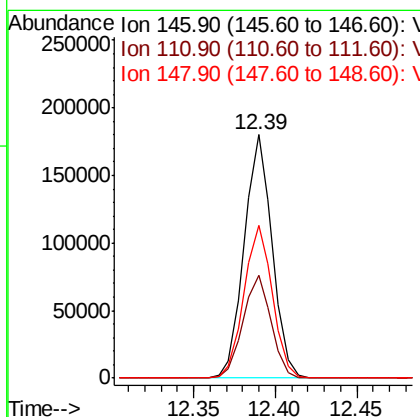
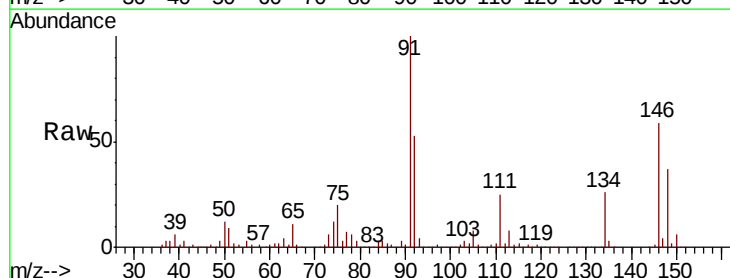
Manual Integrations
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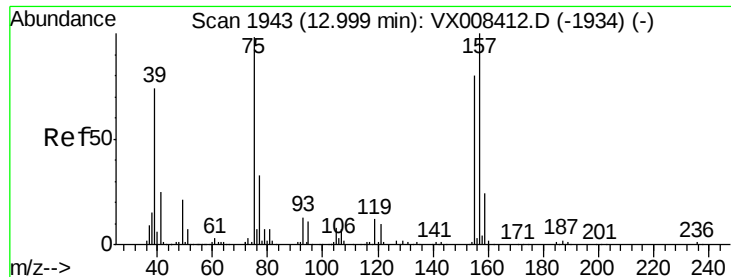
MMDadoda
4/2/2019 10:06:17 AM



#91
1,2-Dichlorobenzene
Concen: 46.757 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008574.D
Acq: 01 Apr 2019 17:20

Tgt Ion:146 Resp: 215368
Ion Ratio Lower Upper
146 100
111 42.5 21.6 64.6
148 64.0 31.9 95.7





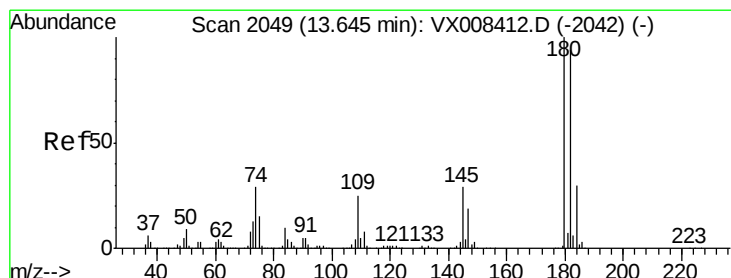
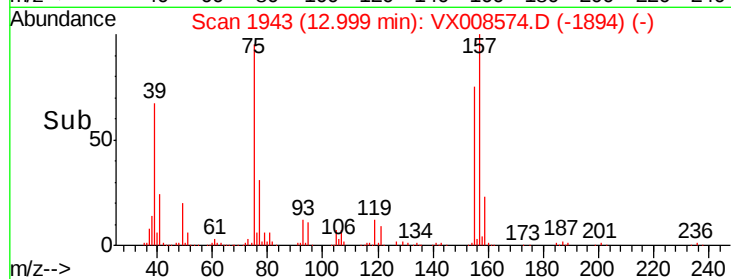
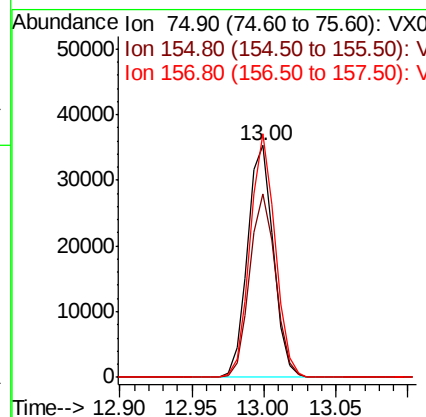
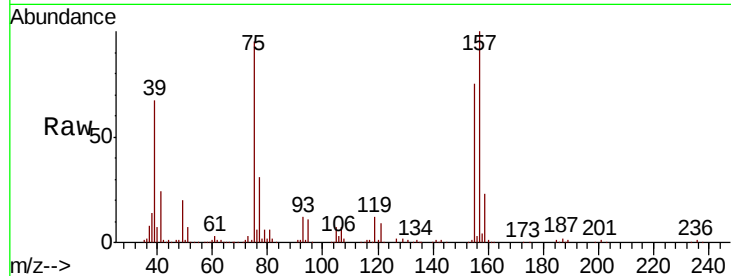
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.852 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	78.9	39.5	118.5
157	100.9	49.9	149.7

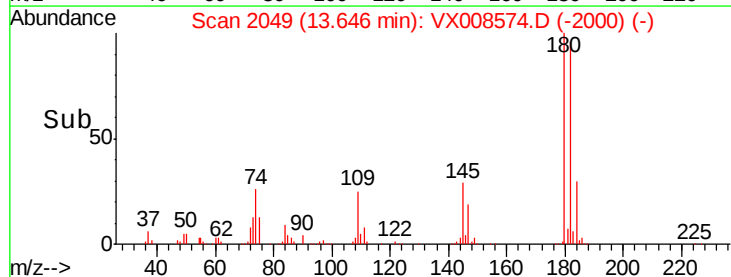
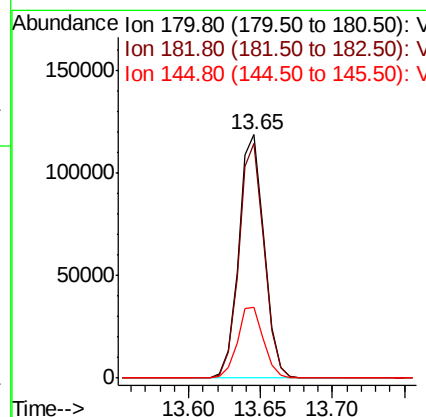
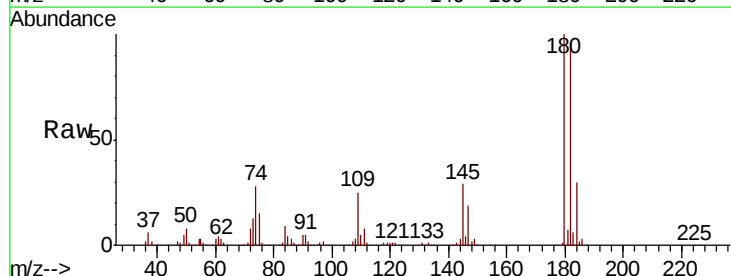
Manual Integrations
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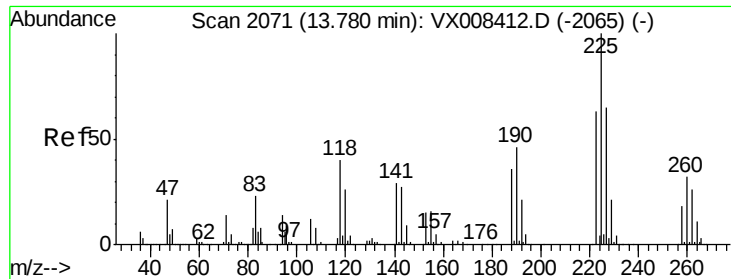
MMDadoda
 4/2/2019 10:06:17 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.002 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	142.0
145	29.9	15.3	45.8





#94

Hexachlorobutadiene

Concen: 46.433 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX008574.D

Acq: 01 Apr 2019 17:20

Instrument :

MSVOA_X

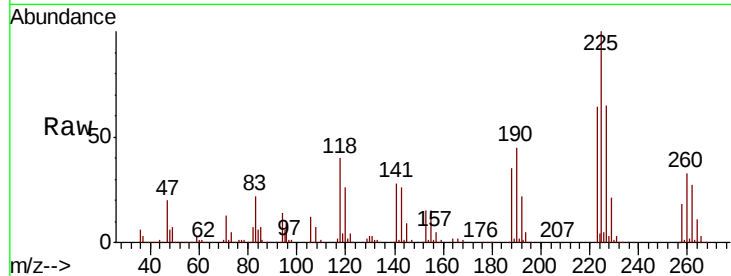
ClientSampleId :

BP-VPB201R-GW-818-820MSD

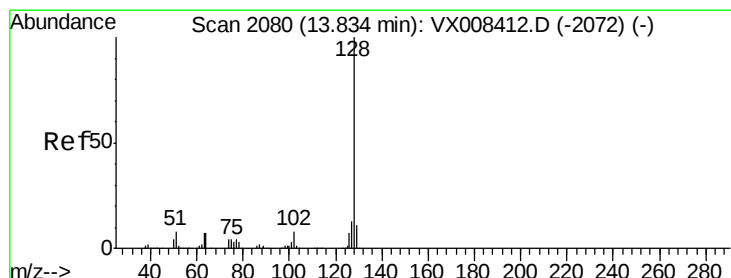
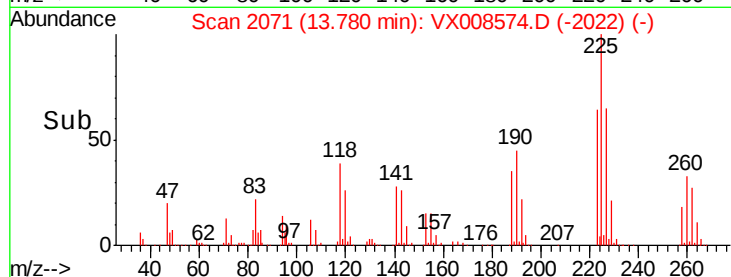
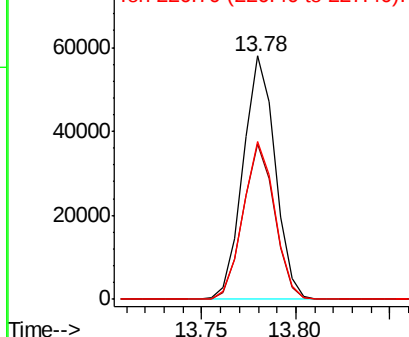
Tot Ion:	225	Resp:	68373
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.4	94.0
227	64.4	31.9	95.9

Manual Integrations
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4/2/2019 10:06:17 AM



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: 47.978 ug/l

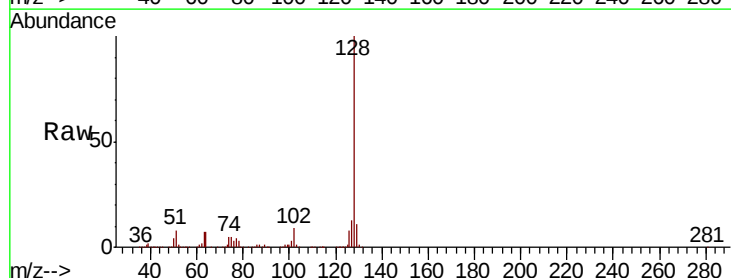
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

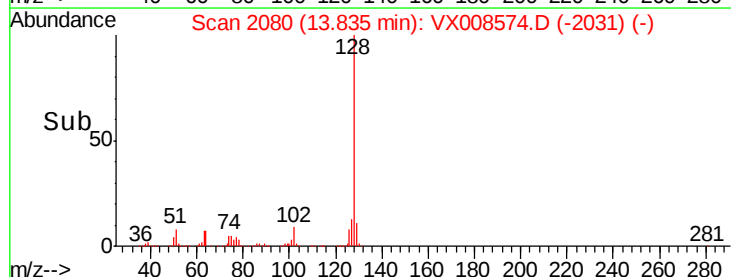
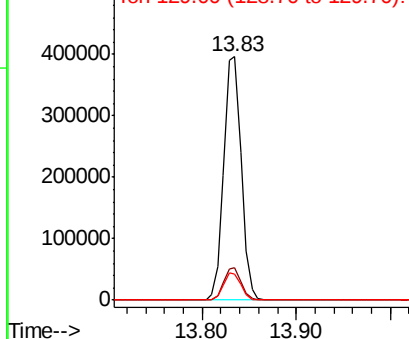
Lab File: VX008574.D

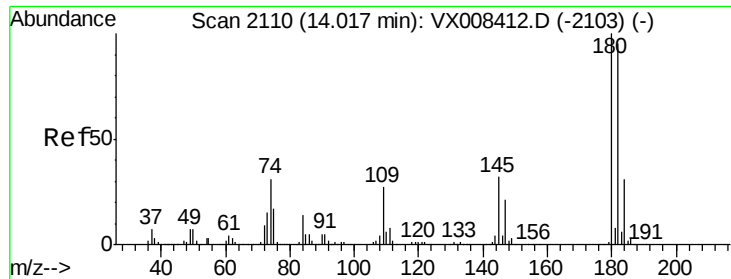
Acq: 01 Apr 2019 17:20

Tgt Ion:	128	Resp:	510107
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1



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: 47.429 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008574.D
 Acq: 01 Apr 2019 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.9	47.3	142.0
145	32.4	16.2	48.5

Manual Integrations
 APPROVED

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 4/2/2019 10:06:17 AM

