

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000752.D
 Acq On : 10 Apr 2018 15:28
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/11/2018 11:20:45 AM

Quant Time: Apr 10 15:47:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 10:32:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	351907	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	240194	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	453870	149.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.52%	
35) Dibromofluoromethane	5.51	113	397839	174.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	349.82%	
50) Toluene-d8	8.73	98	1453704	168.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	337.28%	
62) 4-Bromofluorobenzene	11.15	95	609016	170.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	340.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	448732	187.98	ug/l	99
3) Chloromethane	1.32	50	379594	178.43	ug/l	98
4) Vinyl Chloride	1.41	62	429679	199.22	ug/l	99
5) Bromomethane	1.64	94	178848	124.75	ug/l	99
6) Chloroethane	1.71	64	237430	179.39	ug/l	100
7) Trichlorofluoromethane	1.92	101	621926	176.08	ug/l	100
8) Diethyl Ether	2.19	74	230995	170.35	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	364365	176.15	ug/l	98
10) Methyl Iodide	2.51	142	342017	165.78	ug/l	98
11) Tert butyl alcohol	3.10	59	421847	817.94	ug/l	99
12) 1,1-Dichloroethene	2.37	96	347798	187.26	ug/l	95
13) Acrolein	2.30	56	244167	1081.72	ug/l	99
14) Allyl chloride	2.73	41	636405	169.48	ug/l	97
15) Acrylonitrile	3.16	53	945359	874.57	ug/l	100
16) Acetone	2.45	43	796871	838.19	ug/l	98
17) Carbon Disulfide	2.57	76	1055695	218.27	ug/l	99
18) Methyl Acetate	2.78	43	437254	154.90	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1167918	169.13	ug/l	100
20) Methylene Chloride	2.86	84	369832	130.11	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	373386	188.03	ug/l	98
22) Diisopropyl ether	3.88	45	1242331	168.84	ug/l	97
23) Vinyl Acetate	3.83	43	5434085	872.11	ug/l	99
24) 1,1-Dichloroethane	3.70	63	679568	176.43	ug/l	98
25) 2-Butanone	4.72	43	1397608	840.28	ug/l	96
26) 2,2-Dichloropropane	4.59	77	641261	163.58	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	443331	174.63	ug/l	96
28) Bromochloromethane	5.03	49	241406	138.99	ug/l	95
29) Tetrahydrofuran	5.18	42	882087	833.40	ug/l	98
30) Chloroform	5.23	83	712824	170.23	ug/l	100
31) Cyclohexane	5.58	56	622659	181.54	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	682773	171.10	ug/l	99
36) 1,1-Dichloropropene	5.81	75	551526	183.00	ug/l	99
37) Ethyl Acetate	4.87	43	559721	172.05	ug/l	99
38) Carbon Tetrachloride	5.79	117	635182	179.86	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	670407	189.23	ug/l	95
40) Benzene	6.15	78	1575440	185.84	ug/l	100
41) Methacrylonitrile	5.07	41	321099	170.37	ug/l	97
42) 1,2-Dichloroethane	6.21	62	578835	173.10	ug/l	99
43) Isopropyl Acetate	6.48	43	965154	170.36	ug/l	98
44) Trichloroethene	7.22	130	488456	189.61	ug/l	98
45) 1,2-Dichloropropane	7.53	63	405014	178.18	ug/l	99
46) Dibromomethane	7.67	93	282110	178.81	ug/l	96
47) Bromodichloromethane	7.91	83	577364	176.87	ug/l	99
48) Methyl methacrylate	7.79	41	505829	177.46	ug/l	97
49) 1,4-Dioxane	7.77	88	193394	3418.56	ug/l	97
51) 4-Methyl-2-Pentanone	8.67	43	2913802	887.72	ug/l	99
52) Toluene	8.79	92	1048032	185.43	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	701681	180.64	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	690652	179.05	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	419090	182.28	ug/l	98
56) Ethyl methacrylate	9.19	69	673287	183.66	ug/l	96
57) 1,3-Dichloropropane	9.38	76	674534	179.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1581082	920.86	ug/l	99
59) 2-Hexanone	9.51	43	2272570	907.16	ug/l	97
60) Dibromochloromethane	9.59	129	533168	185.93	ug/l	100
61) 1,2-Dibromoethane	9.68	107	457705	185.39	ug/l	99
64) Tetrachloroethene	9.34	164	478907	179.78	ug/l	99
65) Chlorobenzene	10.15	112	1250318	178.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	483396	177.02	ug/l	100
67) Ethyl Benzene	10.26	91	2066429	176.14	ug/l	98
68) m/p-Xylenes	10.37	106	1655151	360.62	ug/l	97
69) o-Xylene	10.71	106	809217	179.67	ug/l	97
70) Styrene	10.72	104	1375128	180.71	ug/l	99
71) Bromoform	10.87	173	498287	192.72	ug/l #	99
73) Isopropylbenzene	11.02	105	2154812	150.07	ug/l	100
74) N-amyl acetate	6.48	43	965154	138.11	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	667189	156.32	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	605126m	148.07	ug/l	
77) Bromobenzene	11.26	156	645887	158.61	ug/l	96
78) n-propylbenzene	11.37	91	2446009	148.47	ug/l	99
79) 2-Chlorotoluene	11.43	91	1450670	147.63	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1866537	150.08	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	242351	154.39	ug/l	93
82) 4-Chlorotoluene	11.52	91	1749811	148.62	ug/l	98
83) tert-Butylbenzene	11.78	119	1950172	152.96	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	1945153	151.04	ug/l	99
85) sec-Butylbenzene	11.95	105	2255985	151.21	ug/l	99
86) p-Isopropyltoluene	12.07	119	2125514	152.37	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	1193560	156.42	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1217679	155.69	ug/l	99
89) n-Butylbenzene	12.40	91	1854932	148.86	ug/l	99
90) Hexachloroethane	12.60	117	388223	153.27	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	1177220	158.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	166363	148.31	ug/l	93

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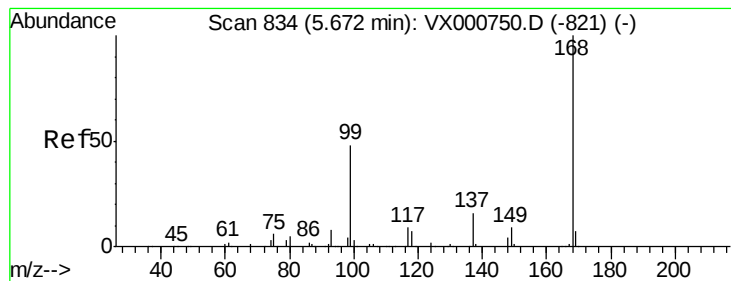
Manual Integrations
APPROVED

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4/11/2018 11:20:45 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1000191	157.82	ug/l	99
94) Hexachlorobutadiene	13.79	225	484837	155.36	ug/l	99
95) Naphthalene	13.84	128	2613190	157.47	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	978276	159.99	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 265030

Ion Ratio Lower Upper

168 100

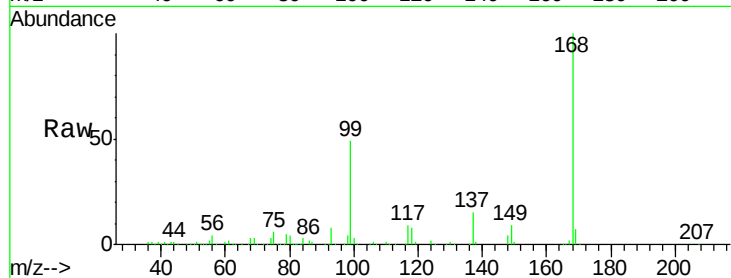
99 49.0 37.2 55.8

Manual Integrations

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4/11/2018 11:20:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

100000

50000

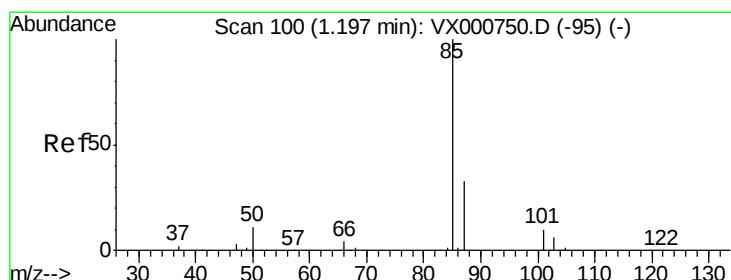
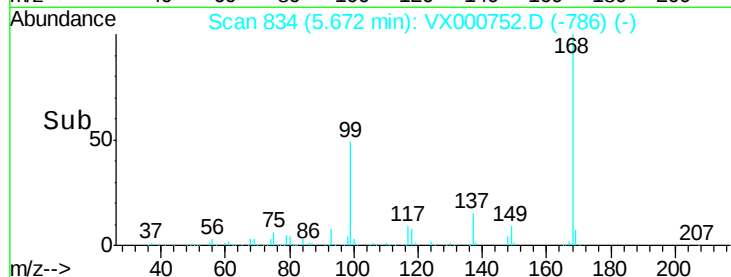
0

5.67

5.80

6.00

Time-->



#2

Dichlorodifluoromethane

Concen: 187.98 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000752.D

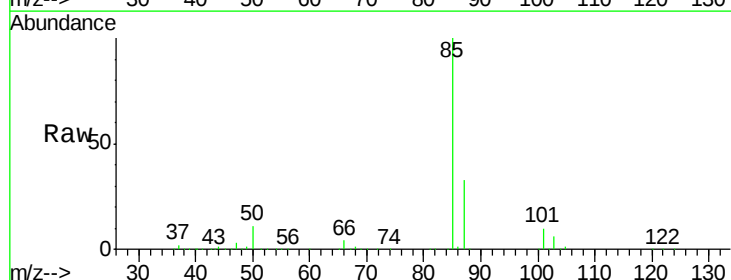
Acq: 10 Apr 2018 15:28

Tgt Ion: 85 Resp: 448732

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400000

300000

200000

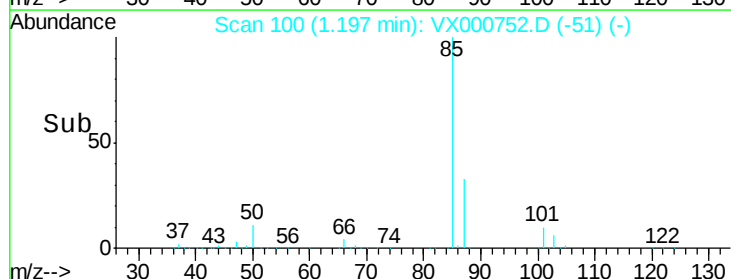
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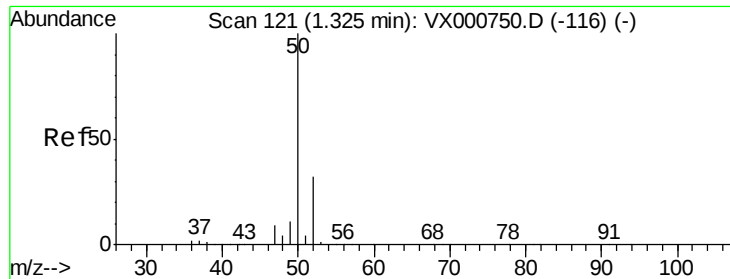
0

1.20

1.30

Time-->





#3

Chloromethane

Concen: 178.43 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 379594

Ion Ratio Lower Upper

50 100

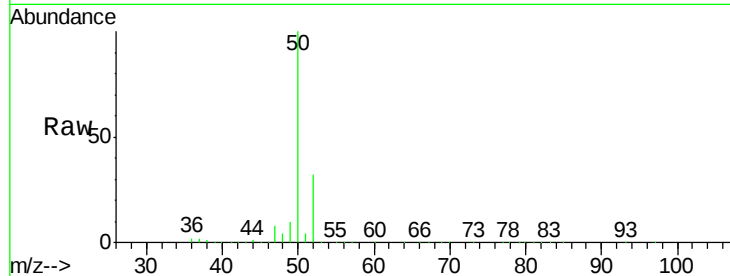
52 32.4 24.9 37.3

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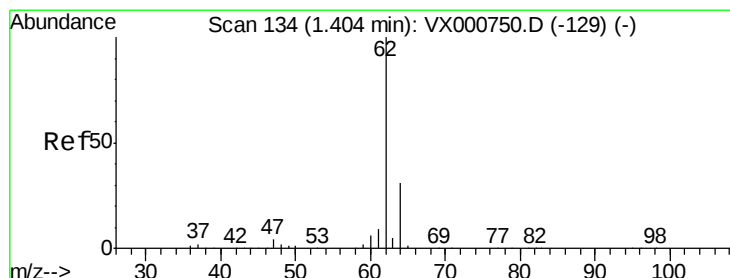
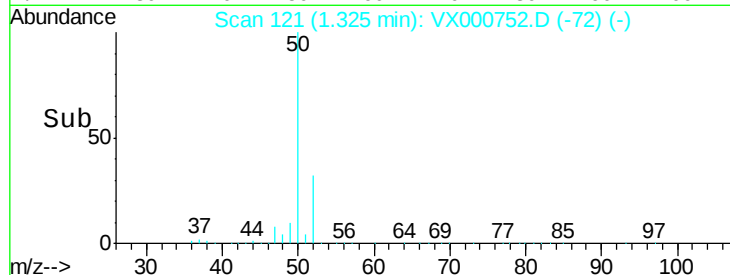
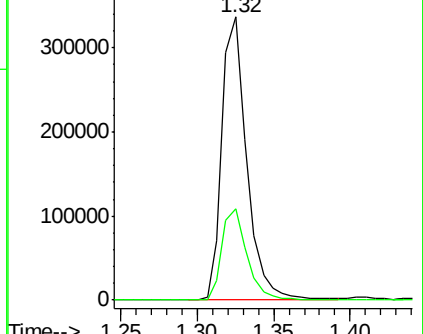
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 199.22 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000752.D

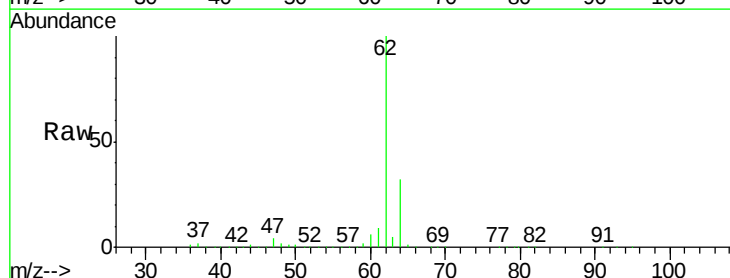
Acq: 10 Apr 2018 15:28

Tgt Ion: 62 Resp: 429679

Ion Ratio Lower Upper

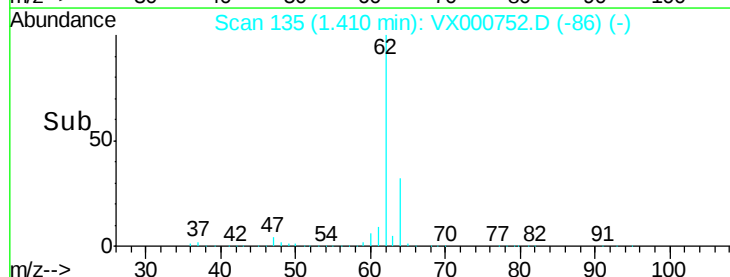
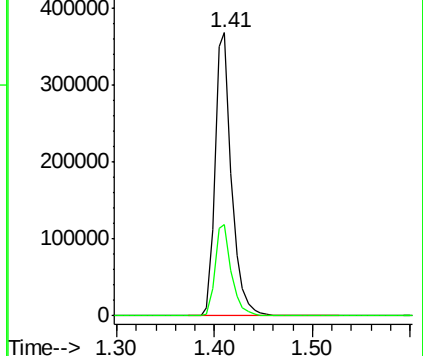
62 100

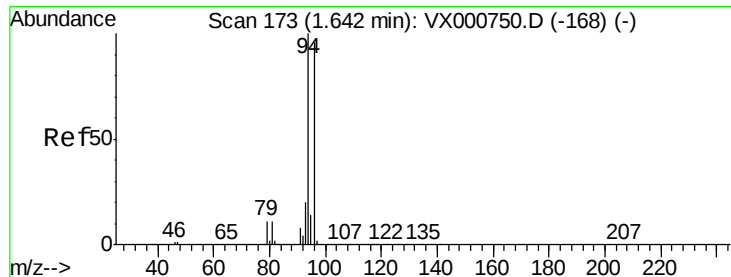
64 32.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 124.75 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 178848

Ion Ratio Lower Upper

94 100

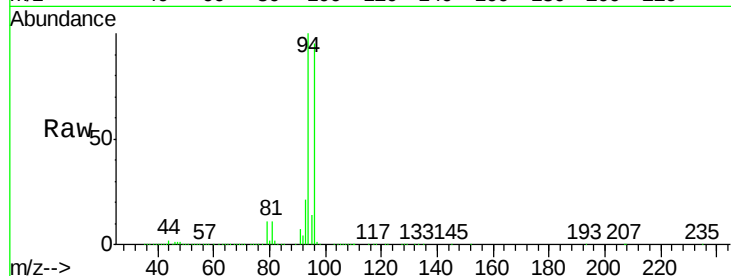
96 94.8 76.5 114.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200000

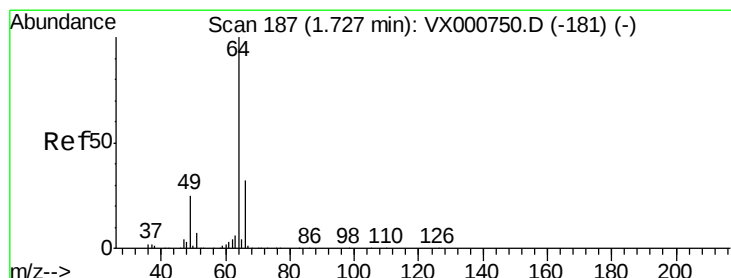
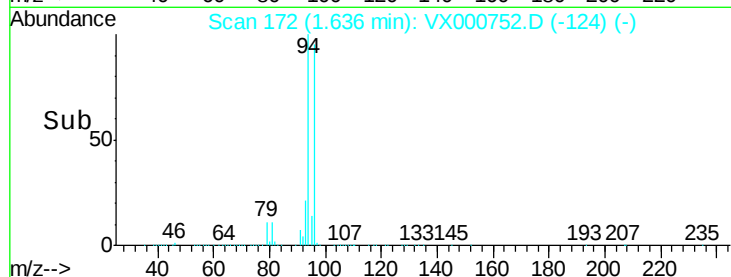
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 179.39 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000752.D

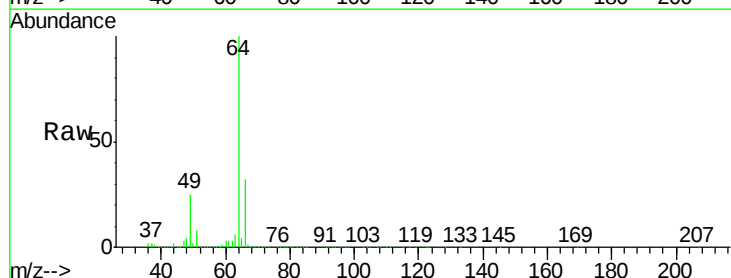
Acq: 10 Apr 2018 15:28

Tgt Ion: 64 Resp: 237430

Ion Ratio Lower Upper

64 100

66 31.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

200000

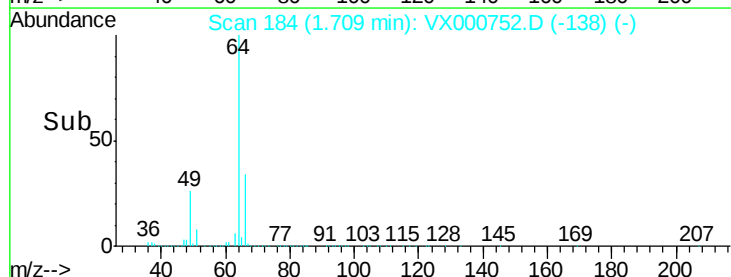
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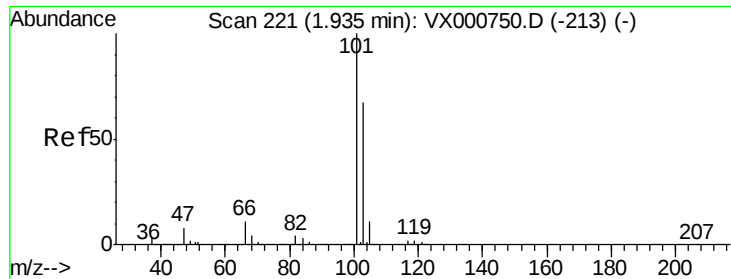
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50000

0

Time-->





#7

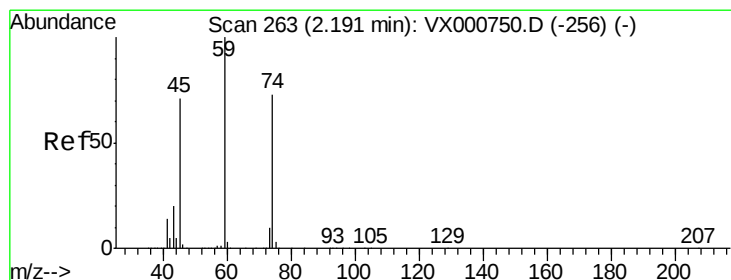
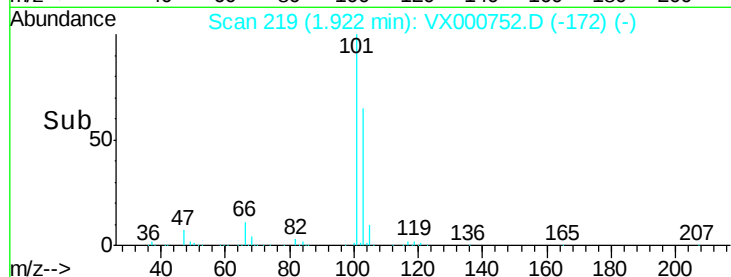
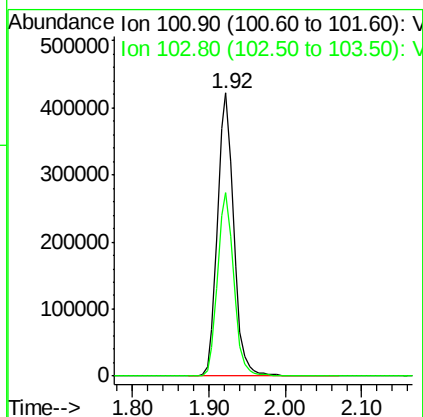
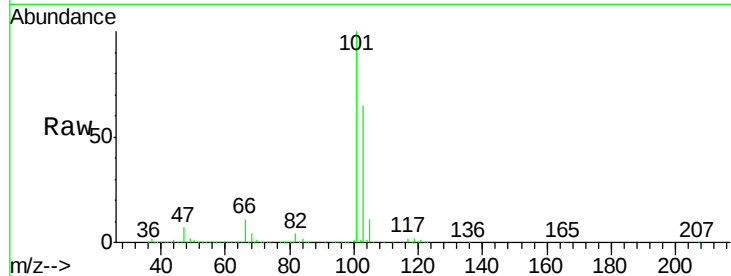
Trichlorofluoromethane
Concen: 176.08 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

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VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	621926		
103	64.9	52.1	78.1	

Manual Integrations
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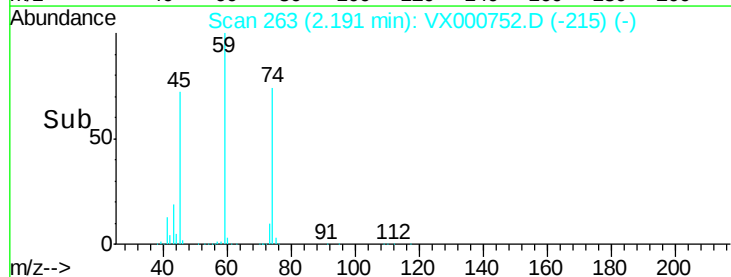
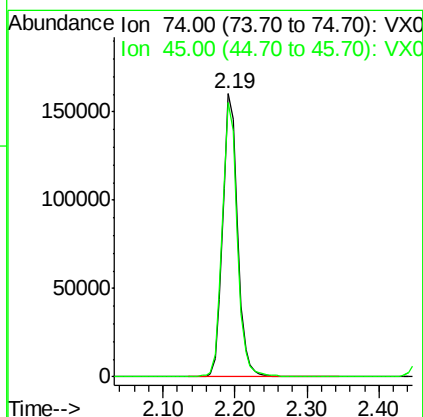
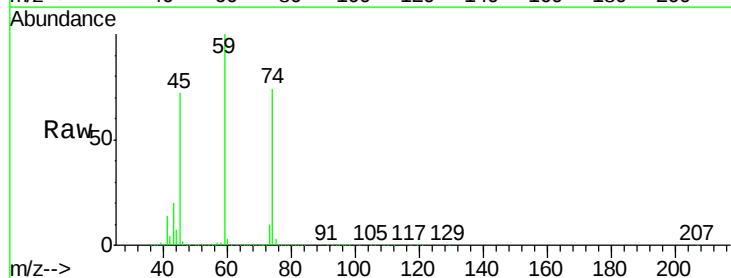
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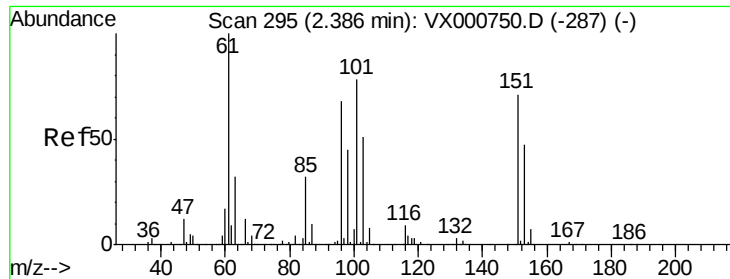


#8

Diethyl Ether
Concen: 170.35 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	230995		
45	97.7	48.4	145.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 176.15 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

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MSVOA_X

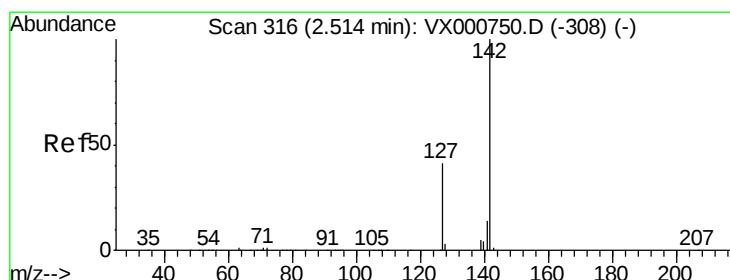
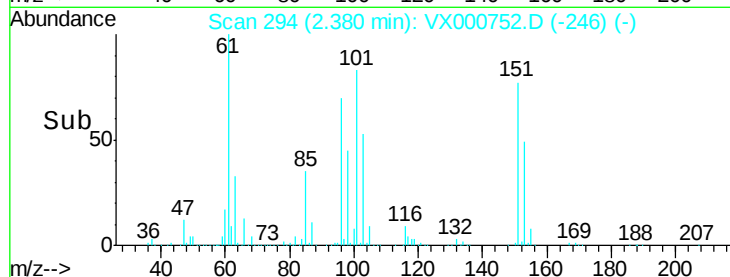
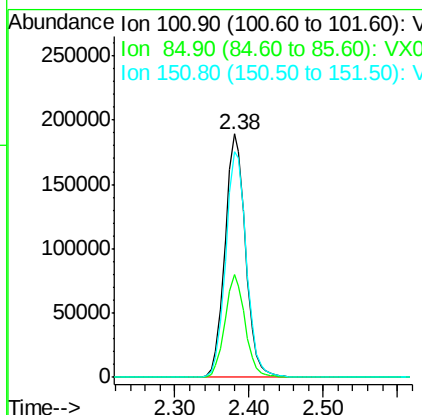
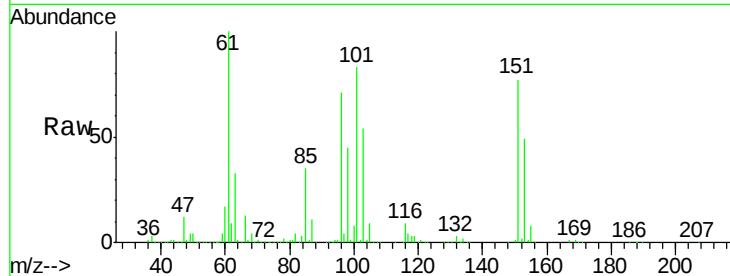
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	364365
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.3	51.5
151	94.0	73.8	110.8

Manual Integrations
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#10

Methyl Iodide

Concen: 165.78 ug/l

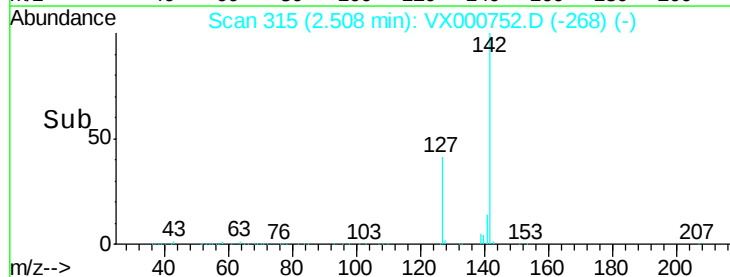
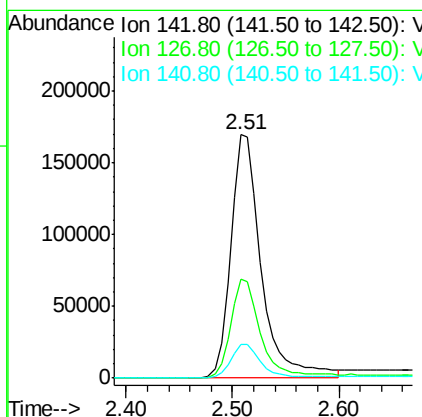
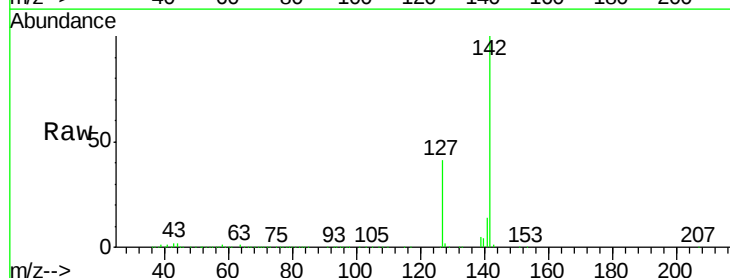
RT: 2.51 min Scan# 315

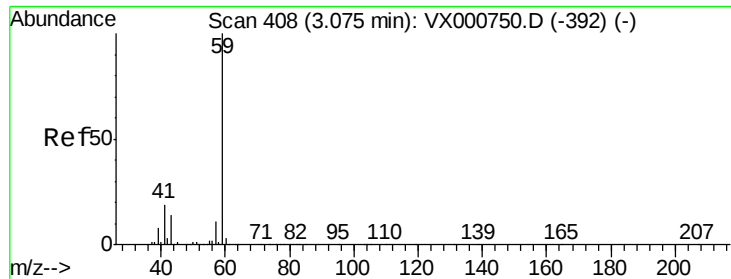
Delta R.T. -0.01 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Tgt Ion:	142	Resp:	342017
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.9	50.9
141	13.9	11.4	17.0





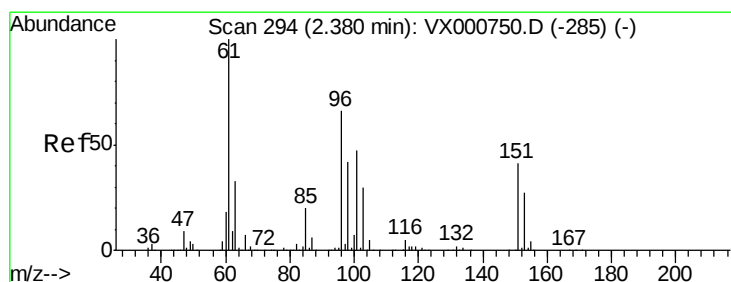
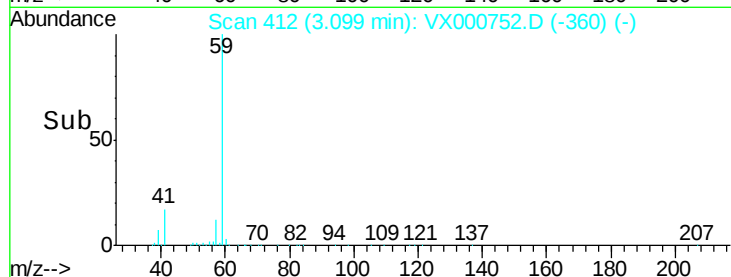
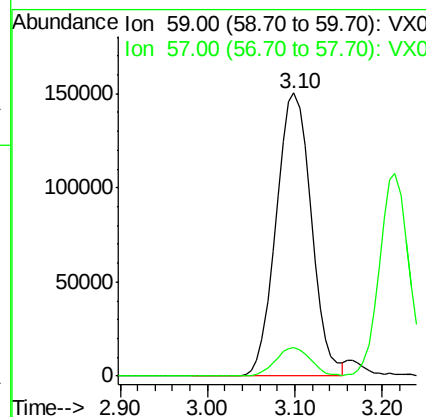
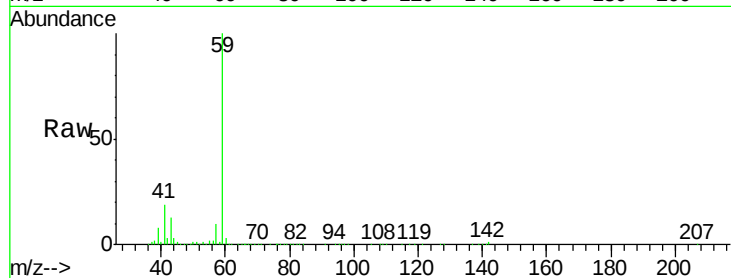
#11
Tert butyl alcohol
Concen: 817.94 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.02 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

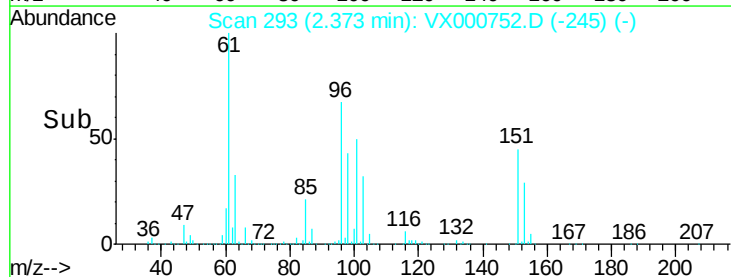
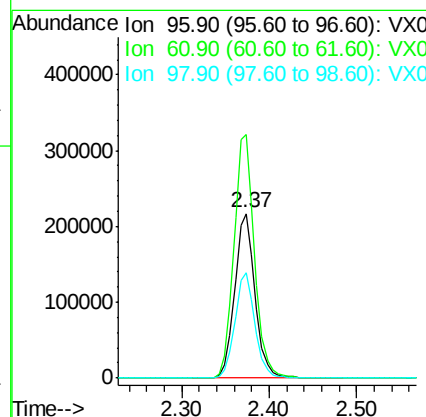
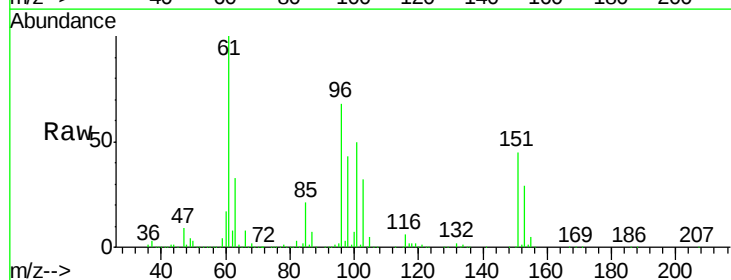
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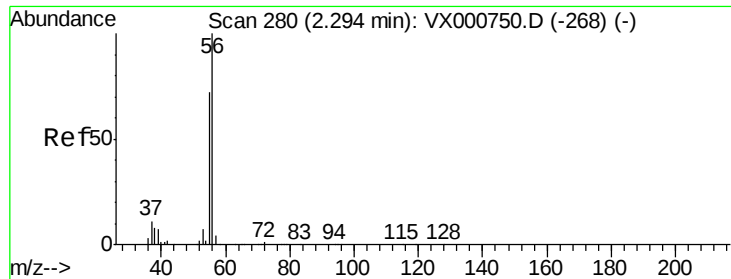
MMDadoda
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#12
1,1-Dichloroethene
Concen: 187.26 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.1	125.0	187.4
98	63.7	50.5	75.7





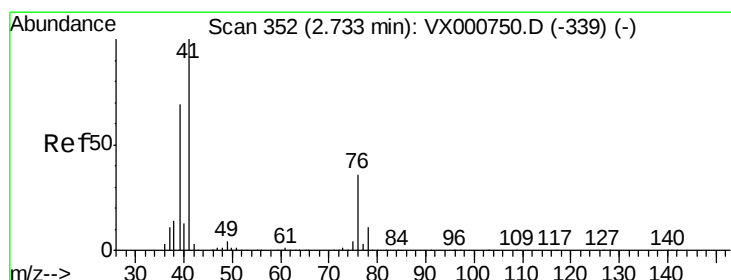
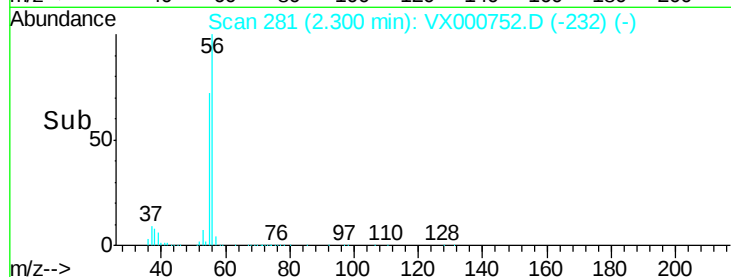
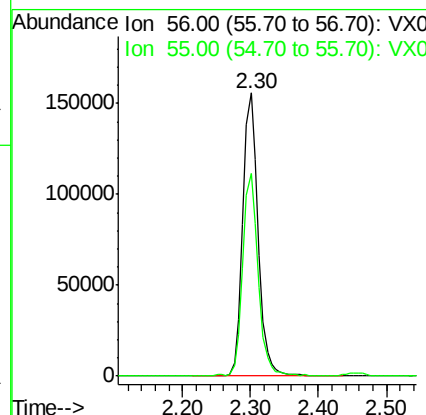
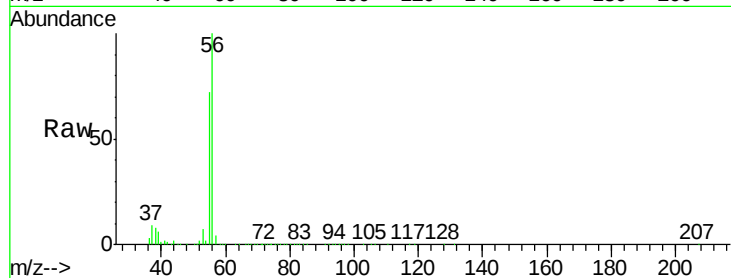
#13
Acrolein
Concen: 1081.72 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.4	86.2

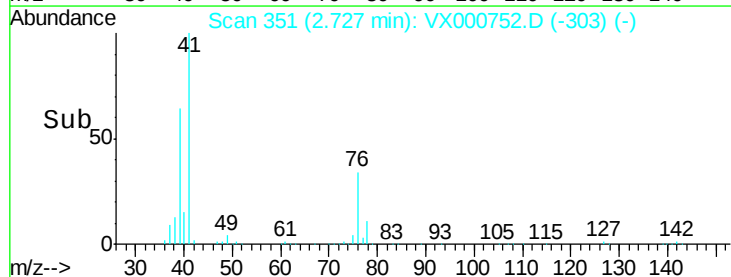
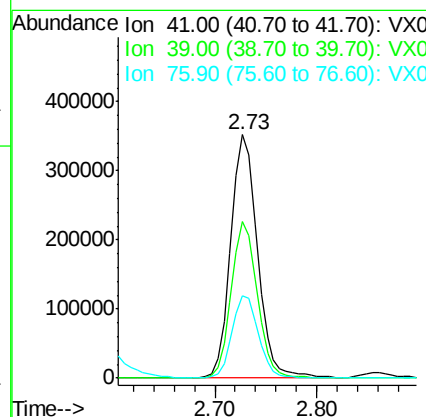
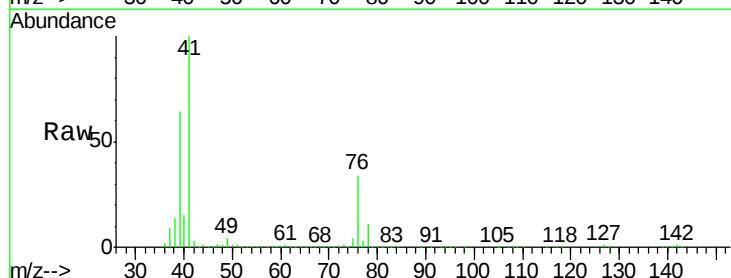
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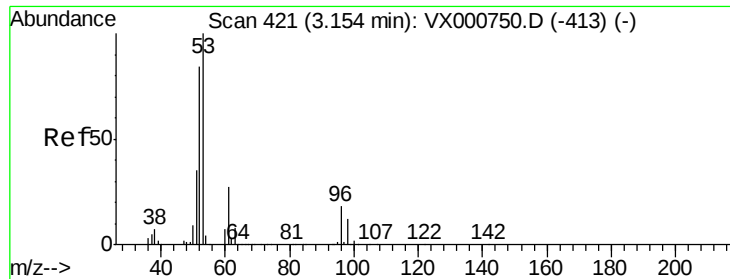
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#14
Allyl chloride
Concen: 169.48 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.5	52.4	78.6
76	33.4	25.9	38.9





#15

Acrylonitrile

Concen: 874.57 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

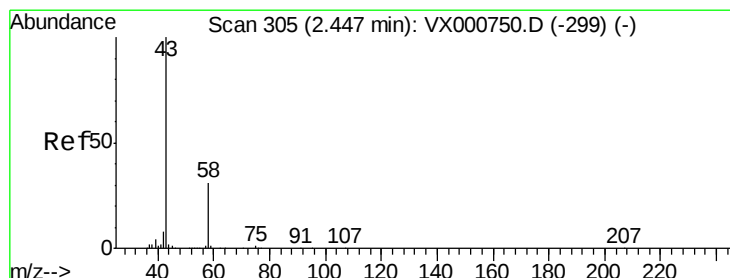
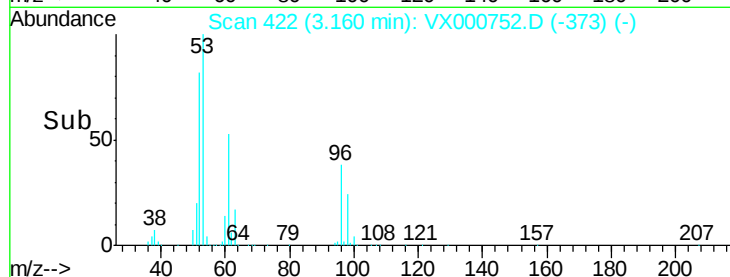
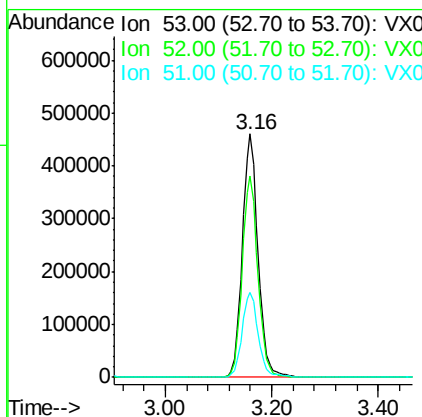
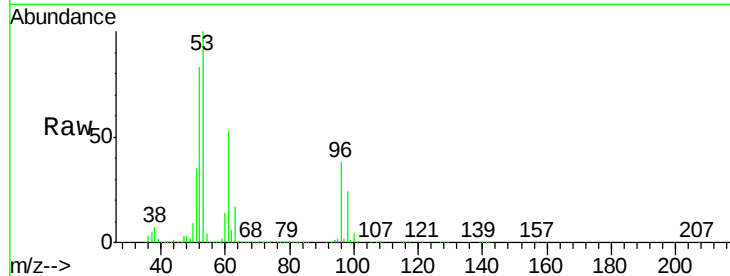
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	945359
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.1	99.1
51	36.1	29.1	43.7

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#16

Acetone

Concen: 838.19 ug/l

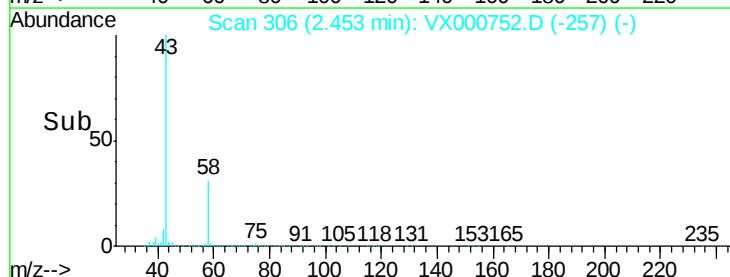
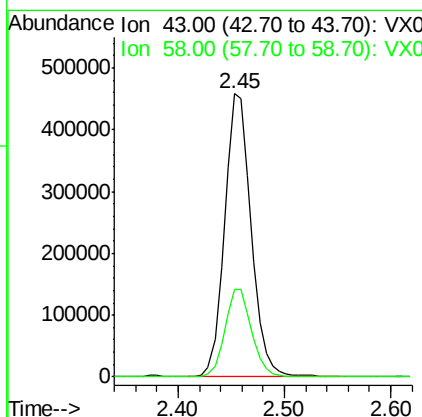
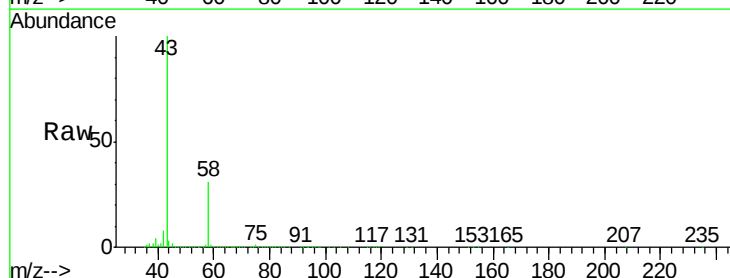
RT: 2.45 min Scan# 306

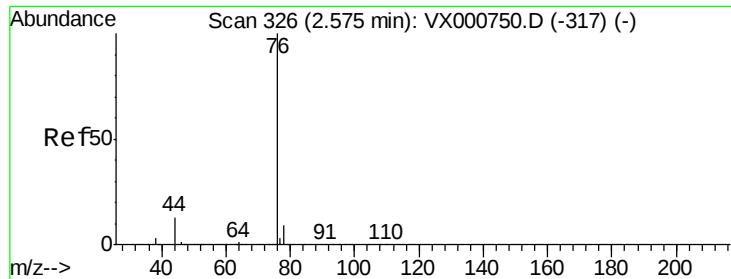
Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Tgt Ion:	43	Resp:	796871
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.0	36.0





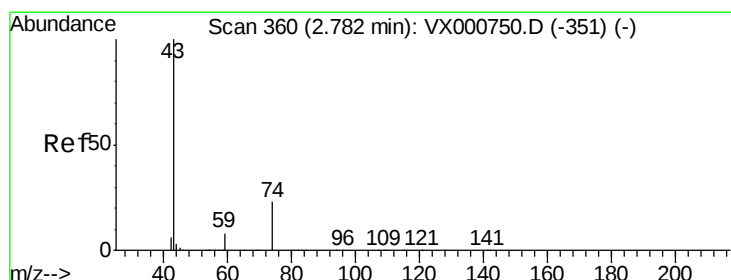
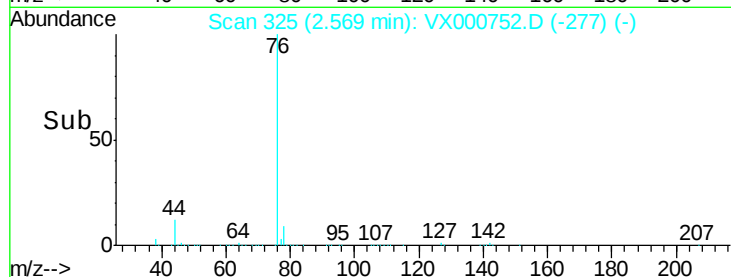
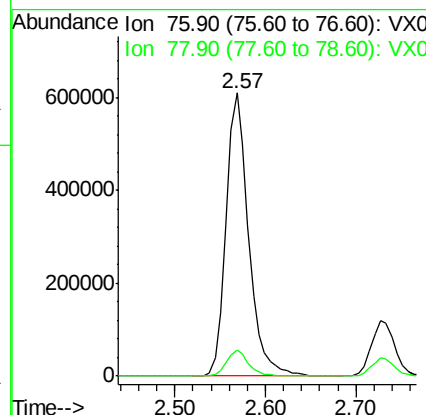
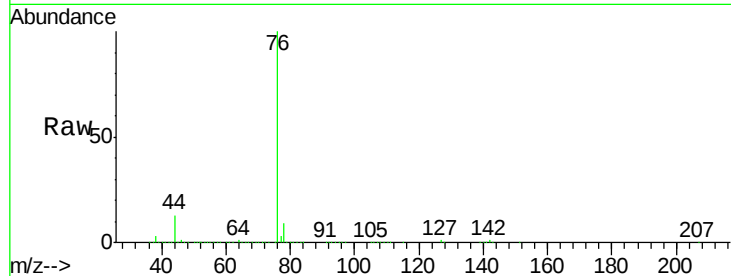
#17
Carbon Disulfide
Concen: 218.27 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1055695
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

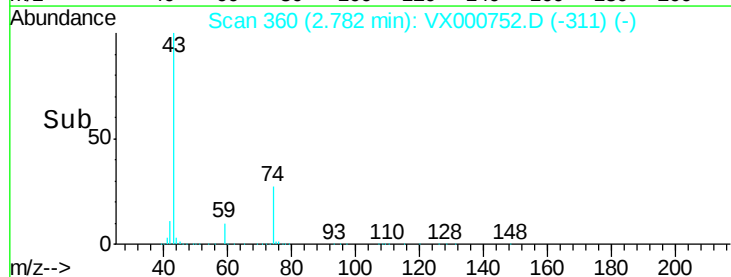
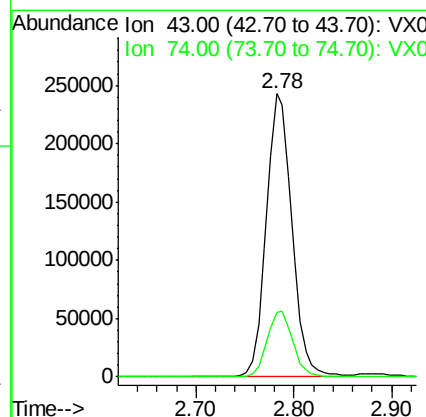
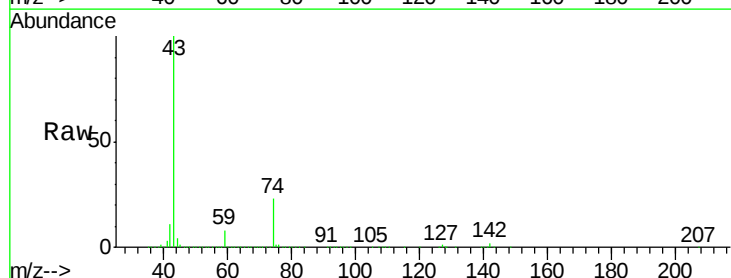
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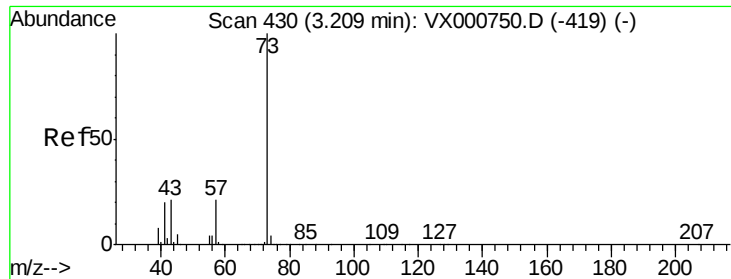
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#18
Methyl Acetate
Concen: 154.90 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion: 43 Resp: 437254
Ion Ratio Lower Upper
43 100
74 23.5 19.0 28.6





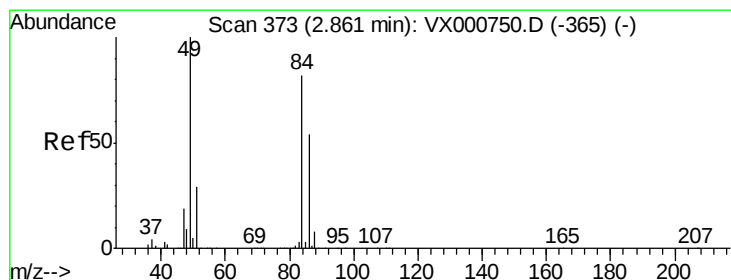
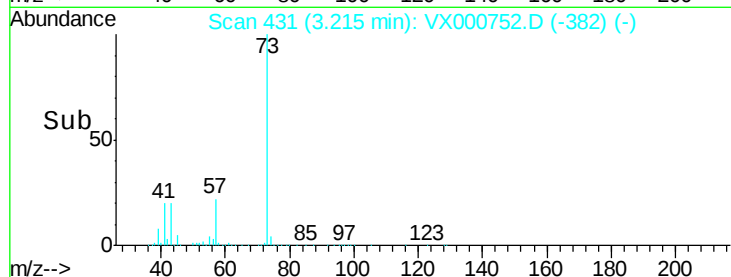
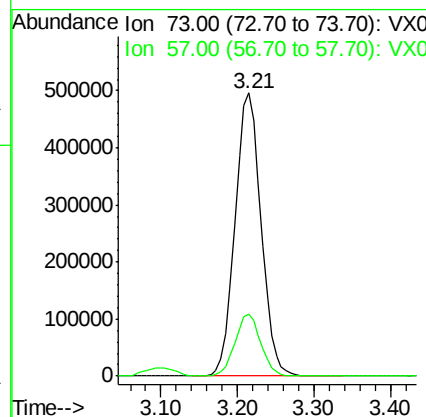
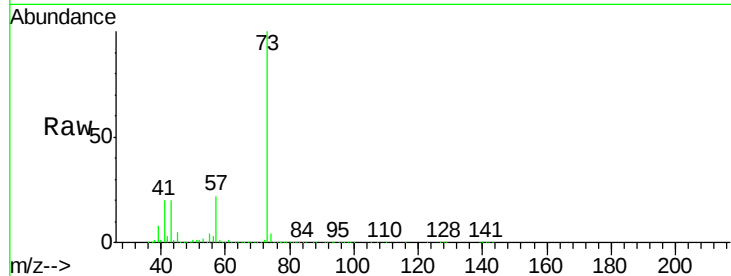
#19
Methvl tert-butvl Ether
Concen: 169.13 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1167918
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9

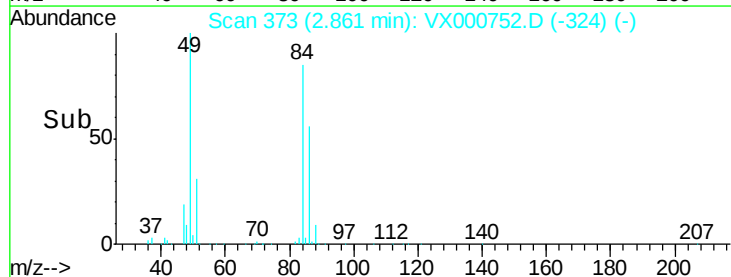
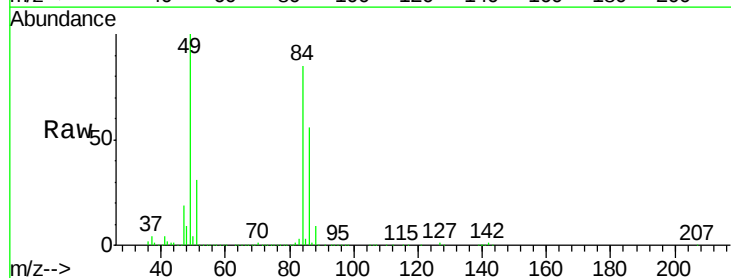
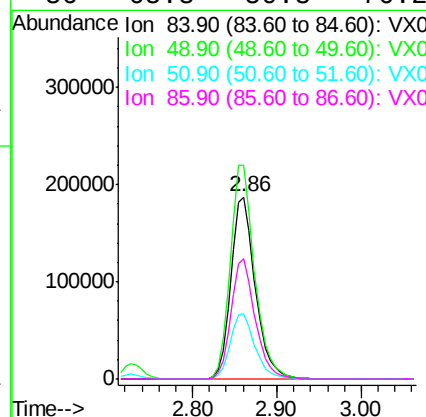
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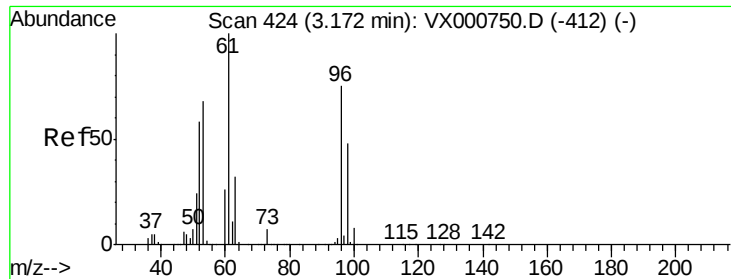
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#20
Methylene Chloride
Concen: 130.11 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion: 84 Resp: 369832
Ion Ratio Lower Upper
84 100
49 117.1 98.6 148.0
51 35.9 30.8 46.2
86 65.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 188.03 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

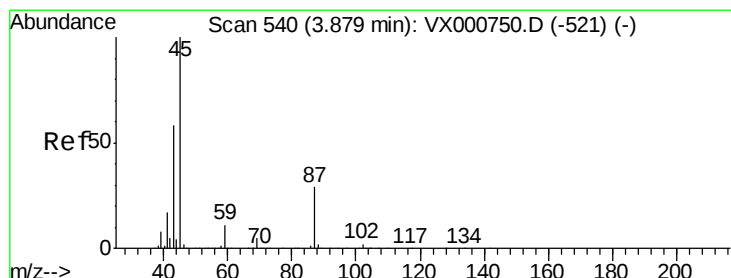
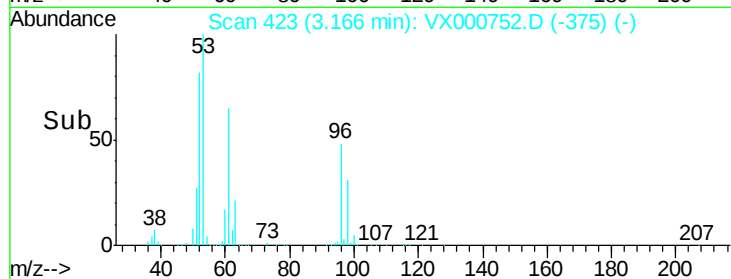
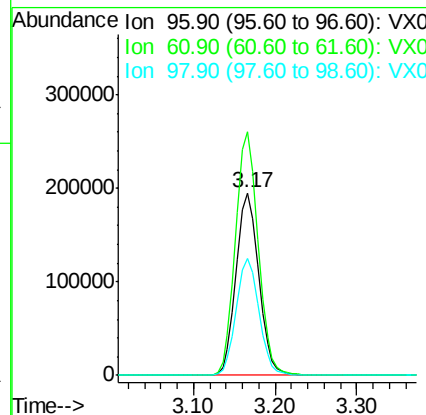
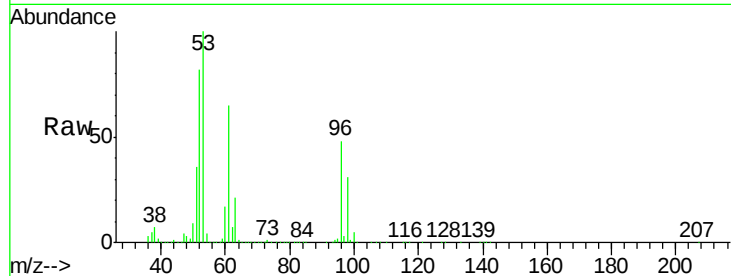
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	373386
Ion	Ratio	Lower	Upper
96	100		
61	133.7	109.8	164.6
98	64.3	51.5	77.3

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#22

Diisopropyl ether

Concen: 168.84 ug/l

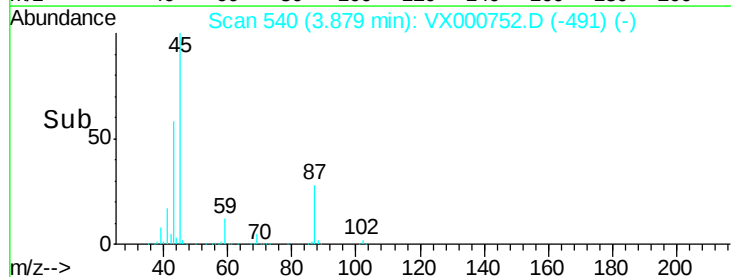
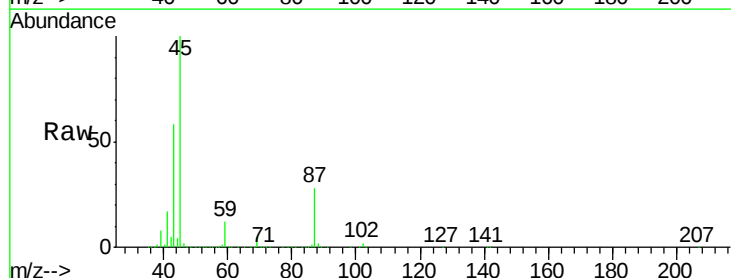
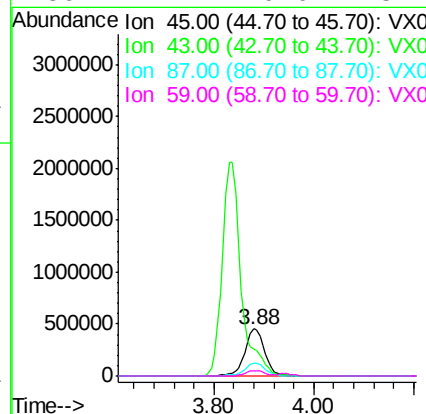
RT: 3.88 min Scan# 540

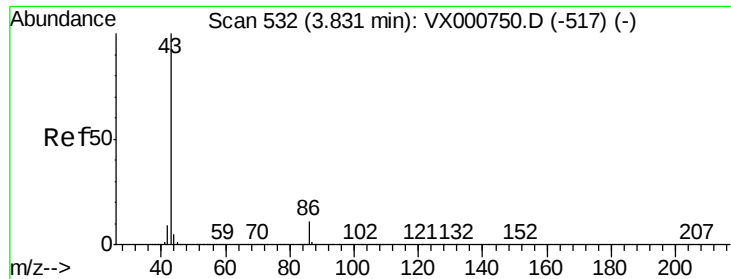
Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Tgt Ion:	45	Resp:	1242331
Ion	Ratio	Lower	Upper
45	100		
43	58.2	49.2	73.8
87	28.4	22.7	34.1
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 872.11 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 5434085

Ion Ratio Lower Upper

43 100

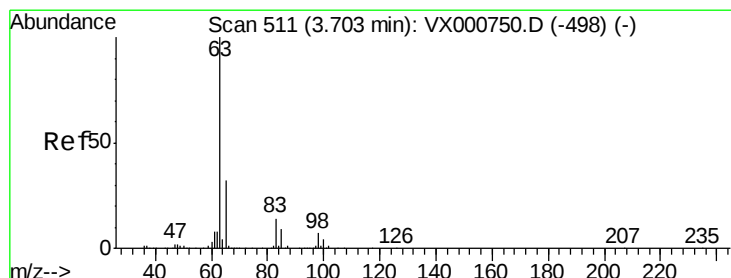
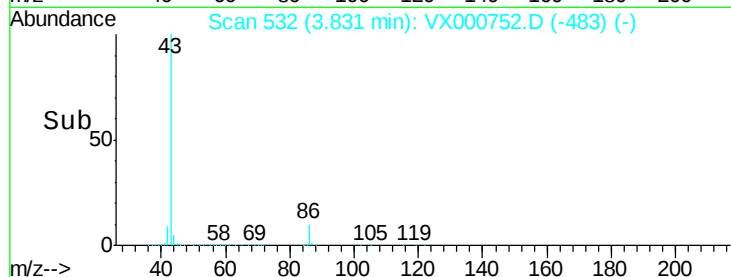
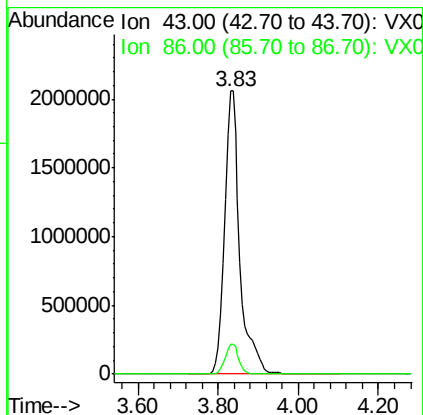
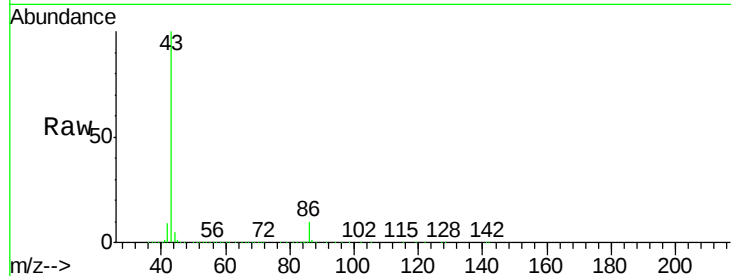
86 10.5 8.0 12.0

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#24

1,1-Dichloroethane

Concen: 176.43 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

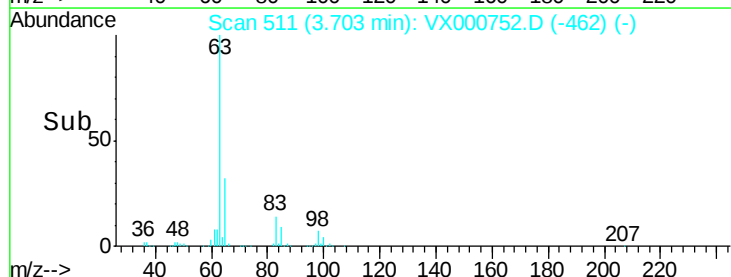
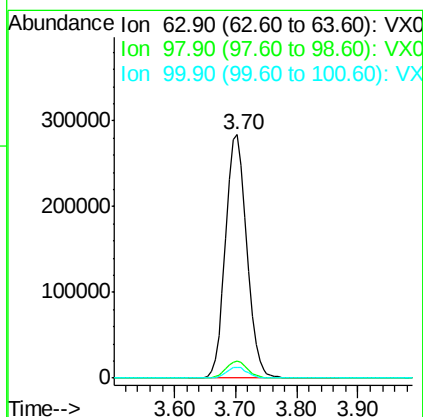
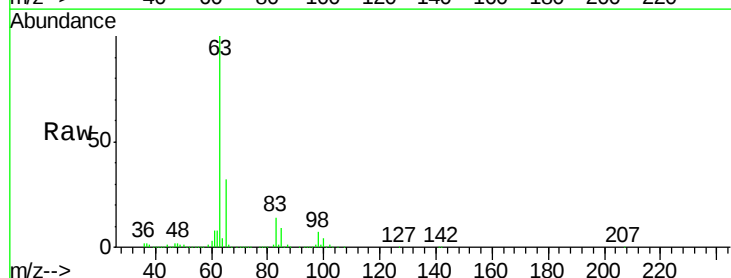
Tgt Ion: 63 Resp: 679568

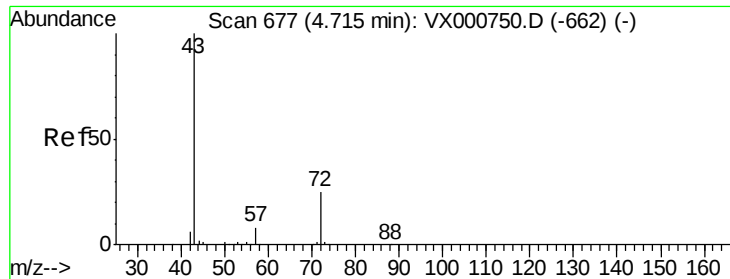
Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 840.28 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Tot Ion: 43 Resp: 1397608

Ion Ratio Lower Upper

43 100

72 25.7 19.0 28.4

Instrument :

MSVOA_X

ClientSampleId :

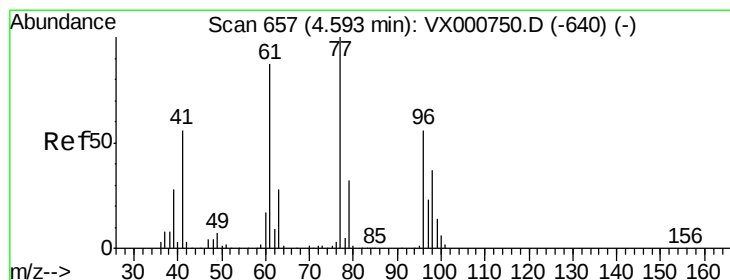
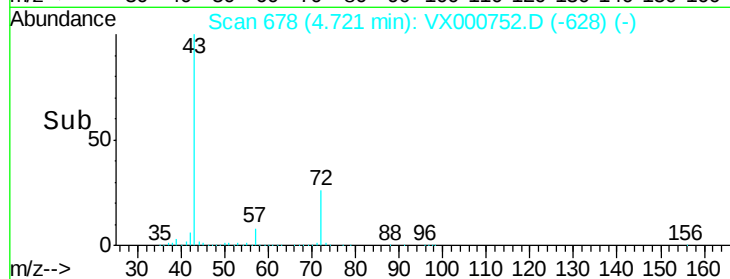
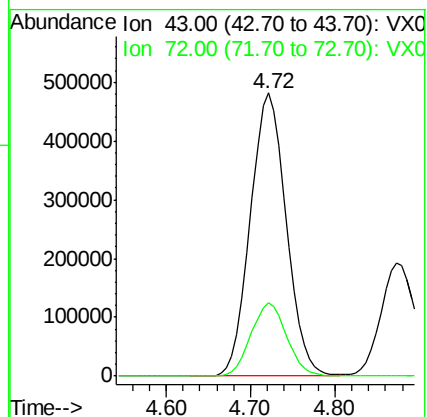
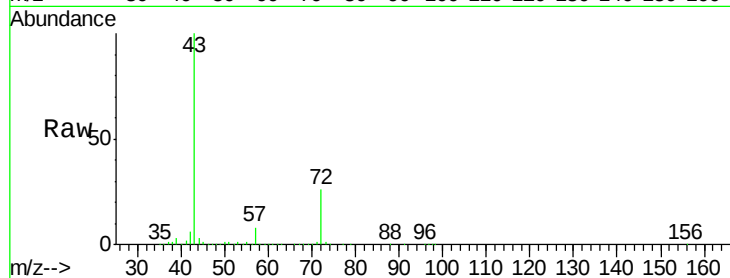
VSTDIC150

Manual Integrations

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4/11/2018 11:20:45 AM



#26

2,2-Dichloropropane

Concen: 163.58 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000752.D

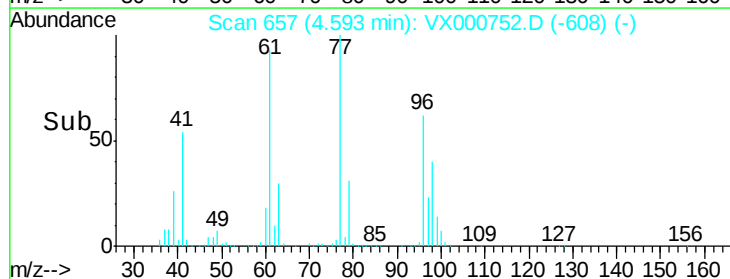
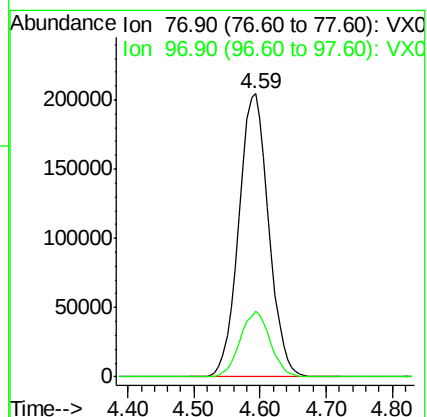
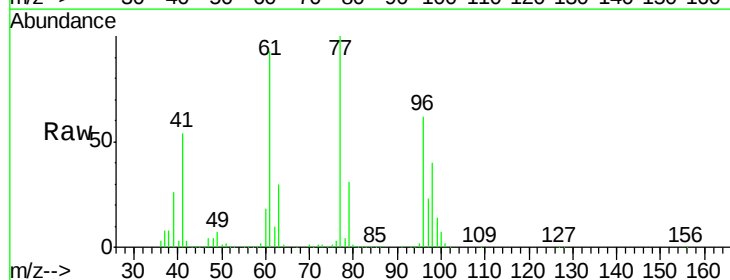
Acq: 10 Apr 2018 15:28

Tgt Ion: 77 Resp: 641261

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.9





#27

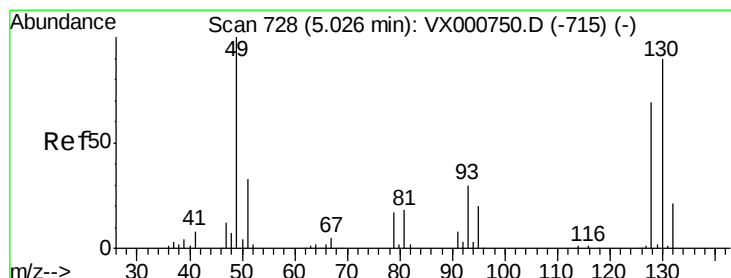
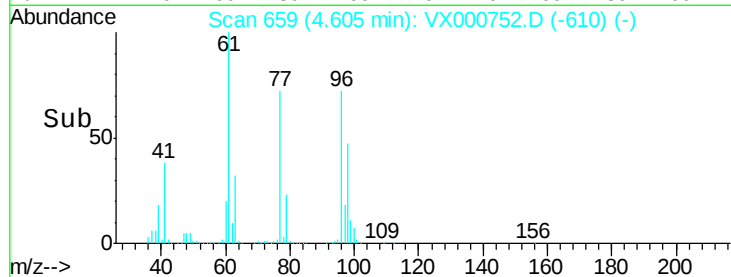
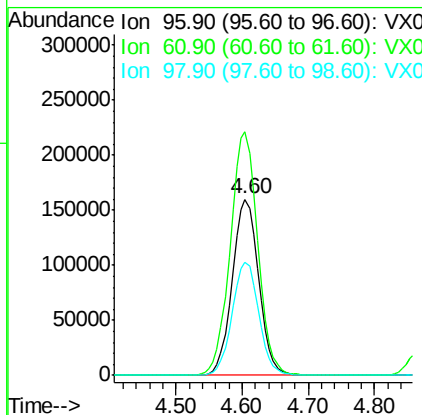
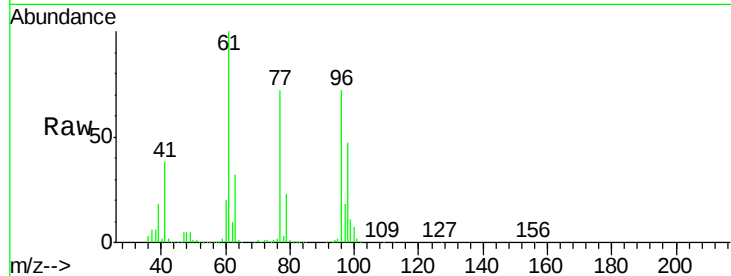
cis-1,2-Dichloroethene
Concen: 174.63 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	443331		
61	143.5	0.0	301.0	
98	64.9	0.0	129.6	

Manual Integrations
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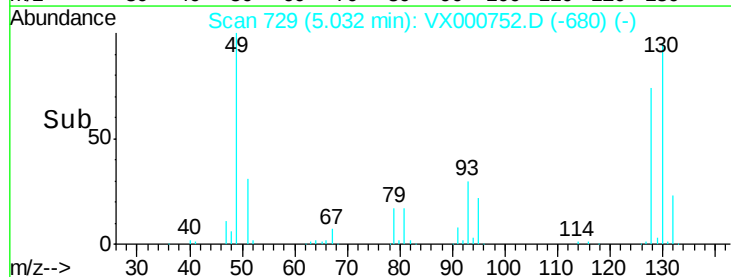
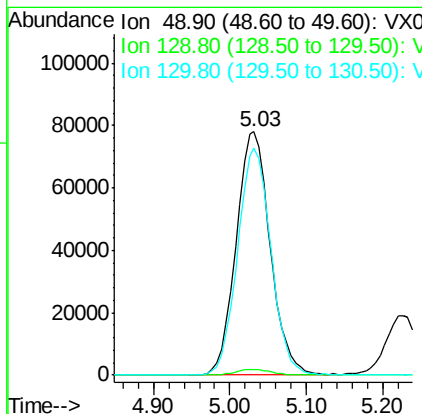
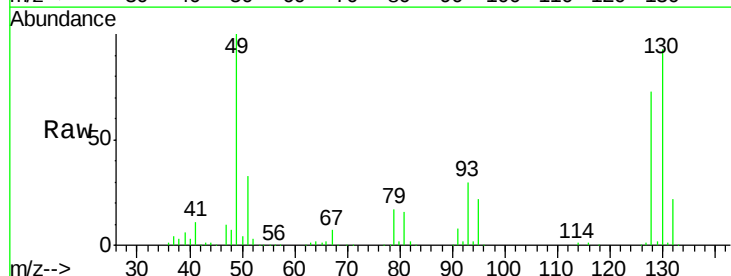
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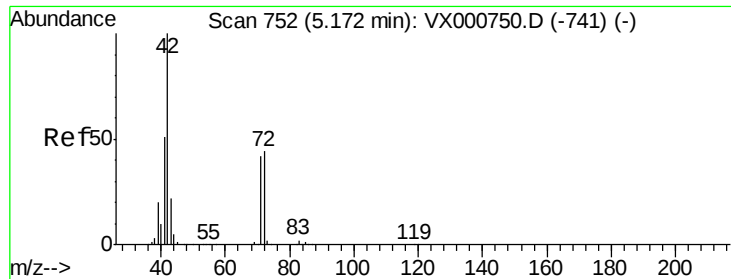


#28

Bromochloromethane
Concen: 138.99 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	241406		
129	2.5	0.0	5.4	
130	91.3	69.0	103.4	





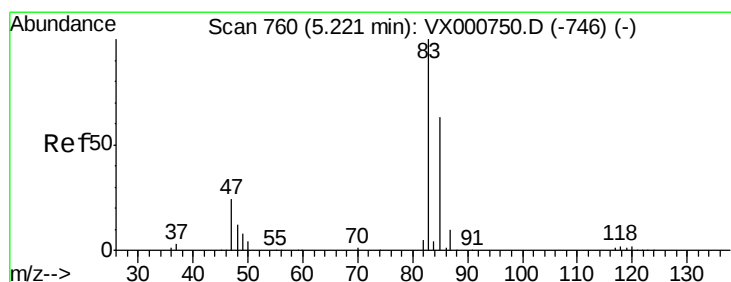
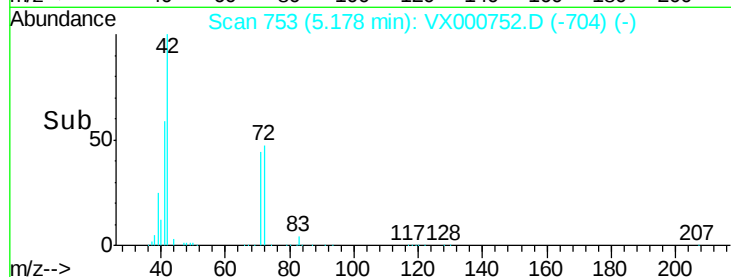
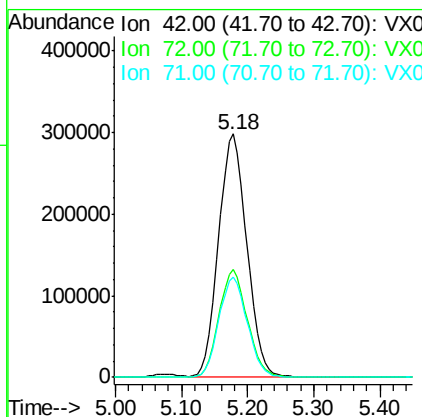
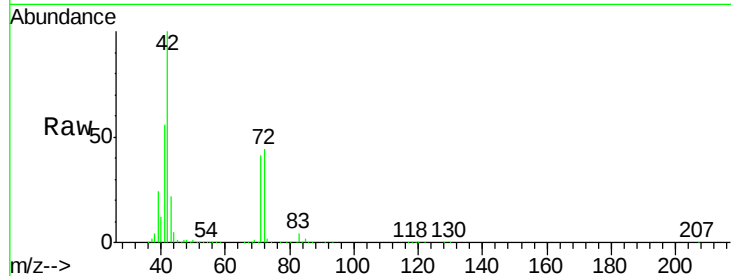
#29
Tetrahydrofuran
Concen: 833.40 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.4	51.6
71	41.4	32.0	48.0

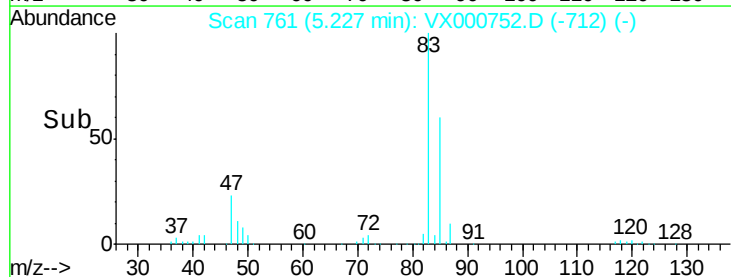
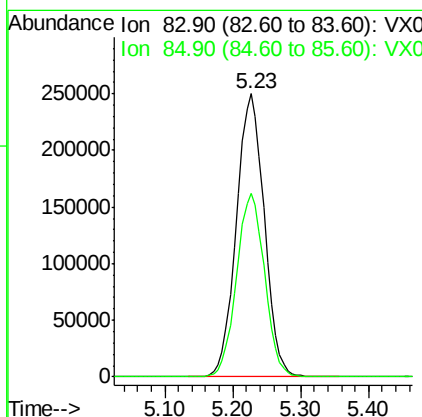
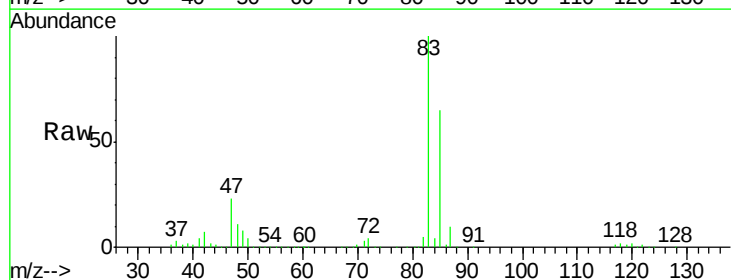
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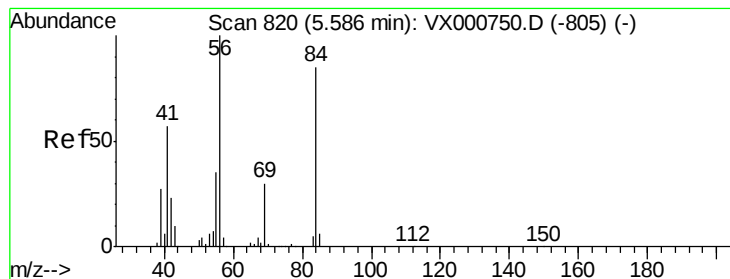
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#30
Chloroform
Concen: 170.23 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.3	78.5





#31

Cyclohexane

Concen: 181.54 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

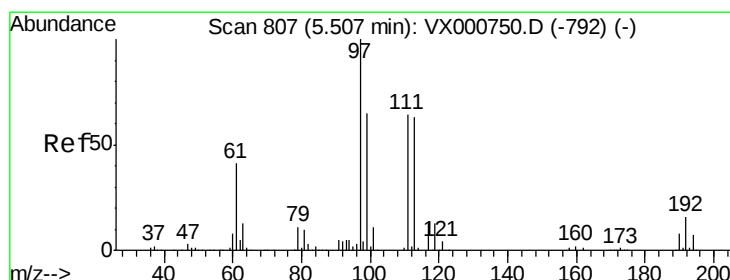
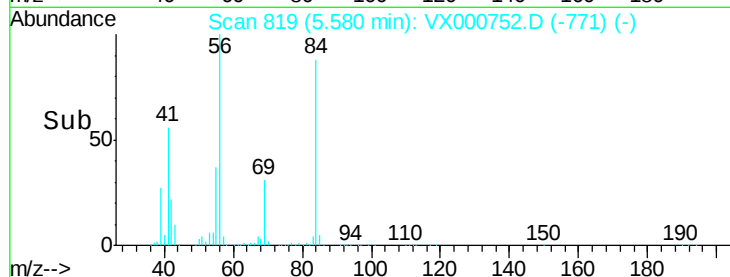
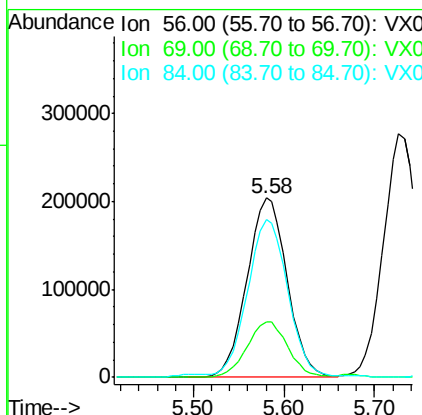
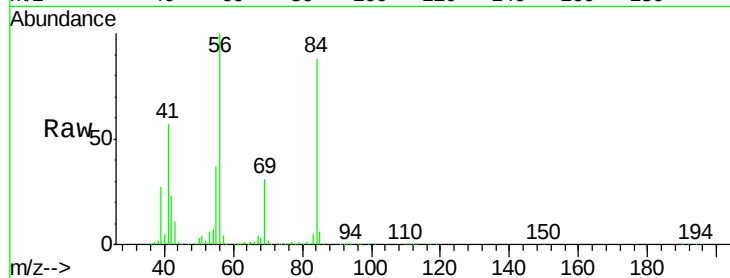
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	622659
Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.8	35.6
84	87.1	67.4	101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 171.10 ug/l

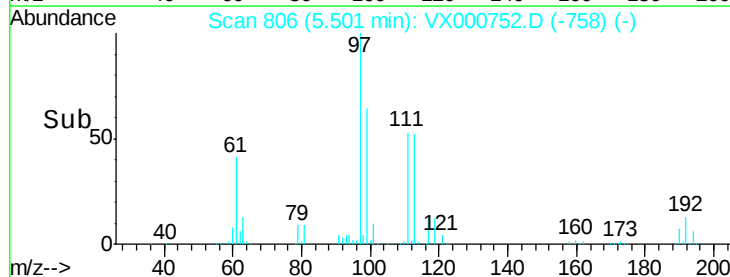
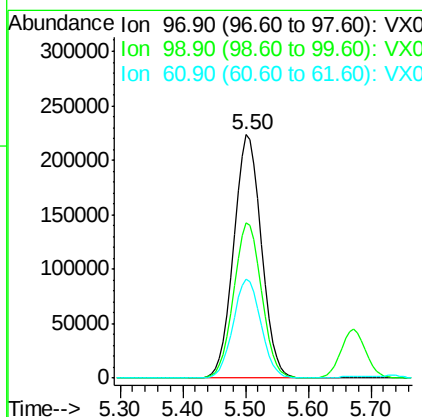
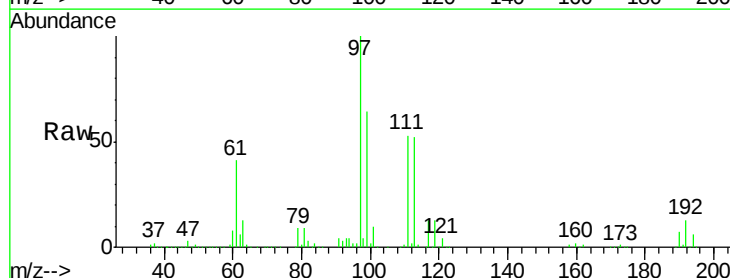
RT: 5.50 min Scan# 806

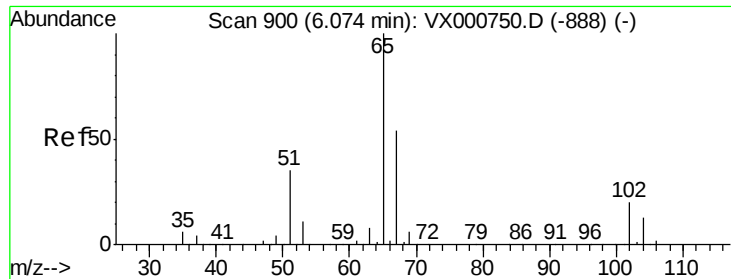
Delta R.T. -0.01 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Tgt Ion:	97	Resp:	682773
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	41.1	34.2	51.4





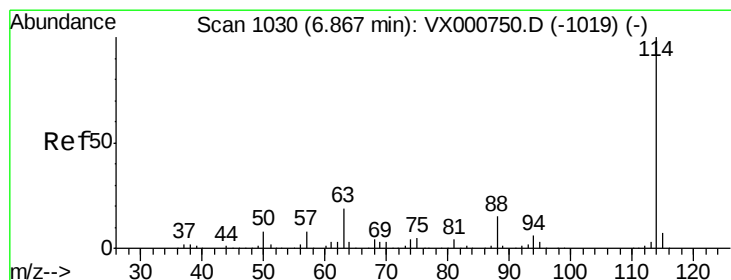
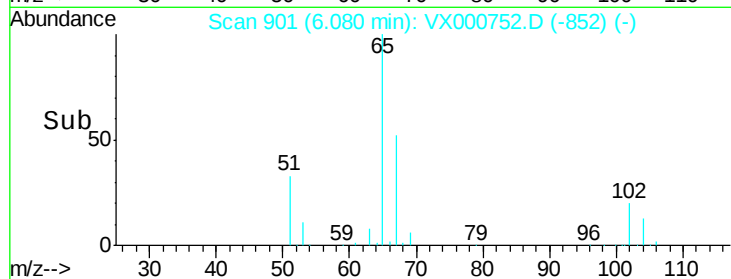
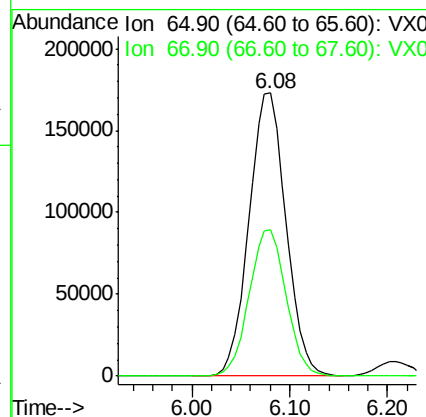
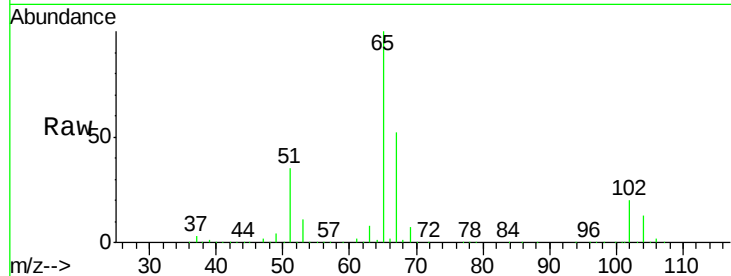
#33
 1,2-Dichloroethane-d4
 Concen: 149.76 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	453870		
67	51.8	0.0	102.6	

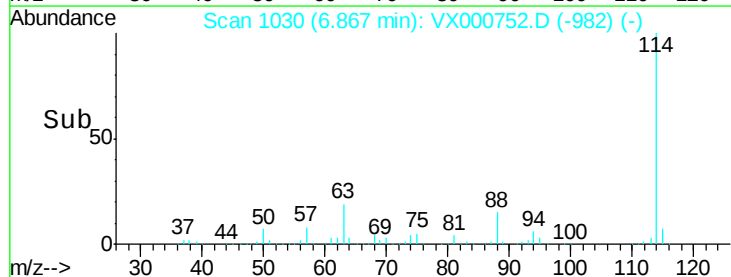
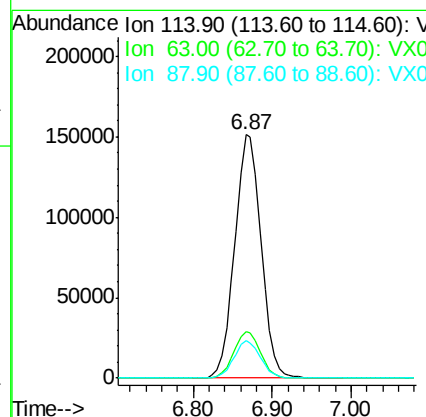
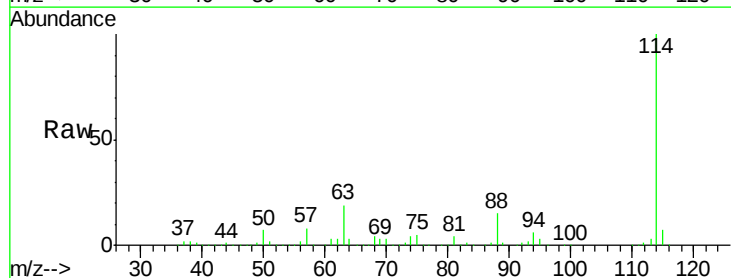
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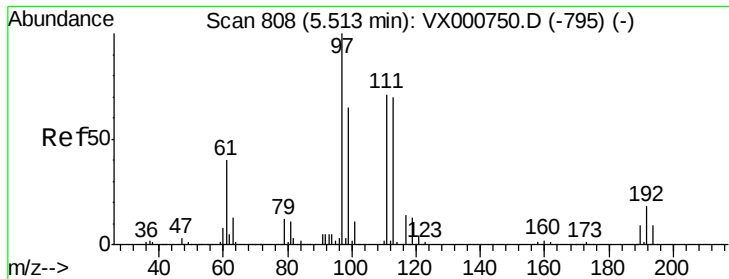
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	351907		
63	18.9	0.0	39.6	
88	15.2	0.0	30.6	





#35

Dibromofluoromethane

Concen: 174.91 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

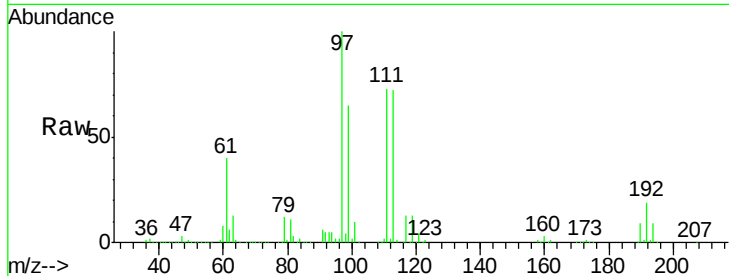
ClientSampleId :

VSTDIC150

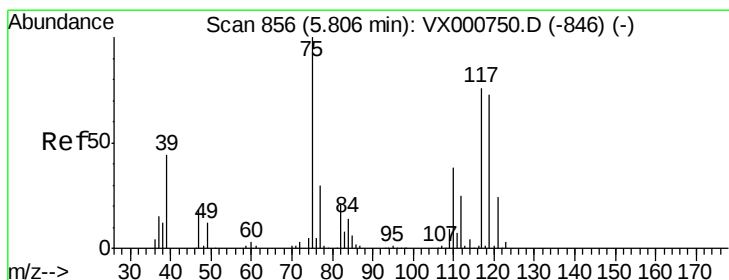
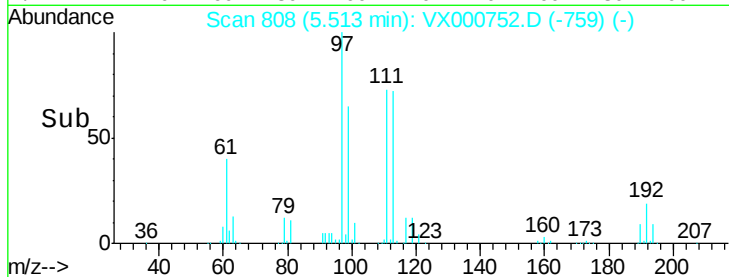
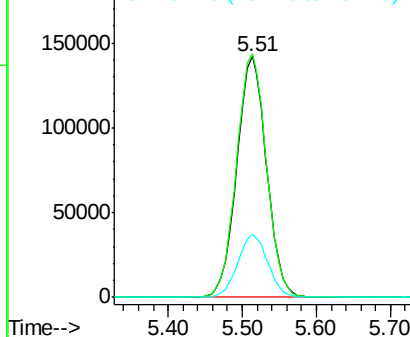
Tot Ion:	113	Resp:	397839
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.5	122.3
192	26.4	20.0	30.0

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 183.00 ug/l

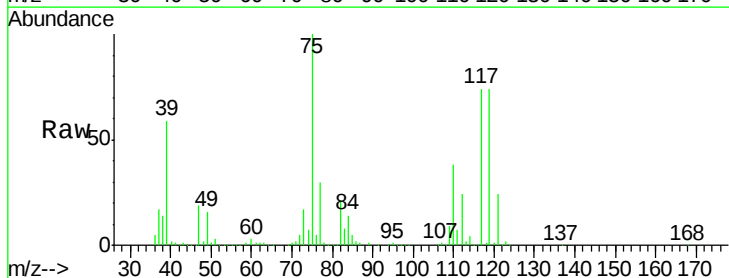
RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

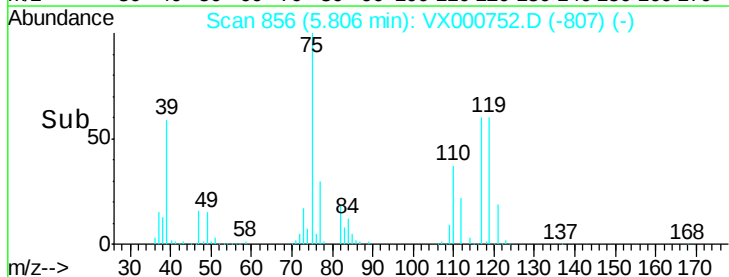
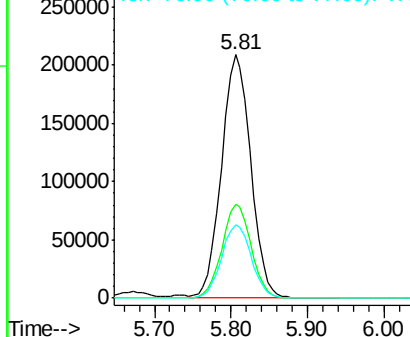
Lab File: VX000752.D

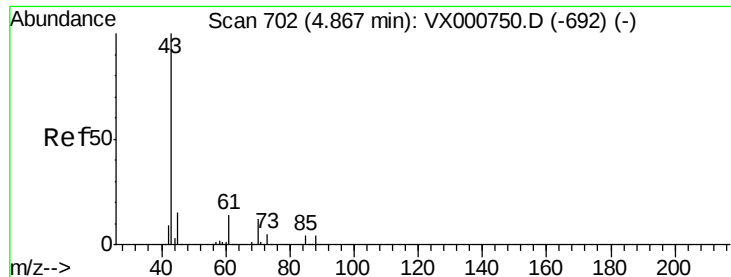
Acq: 10 Apr 2018 15:28

Tgt Ion:	75	Resp:	551526
Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.6	56.0
77	31.0	24.6	37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





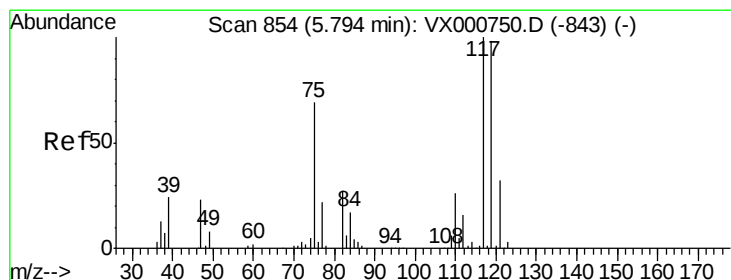
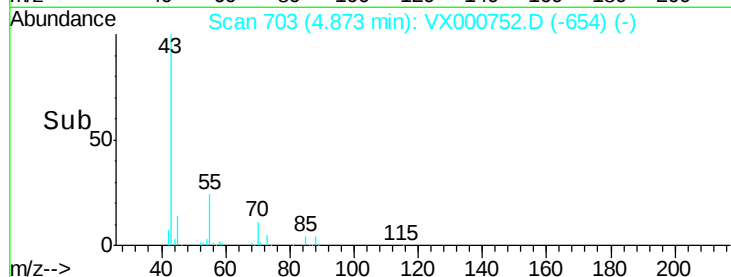
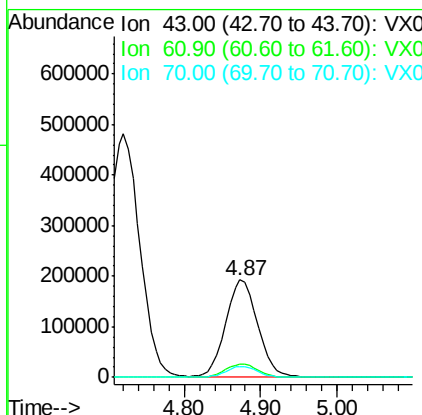
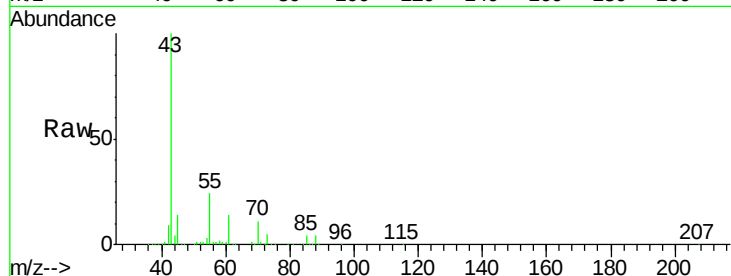
#37
Ethyl Acetate
Concen: 172.05 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	11.0	8.4	12.6

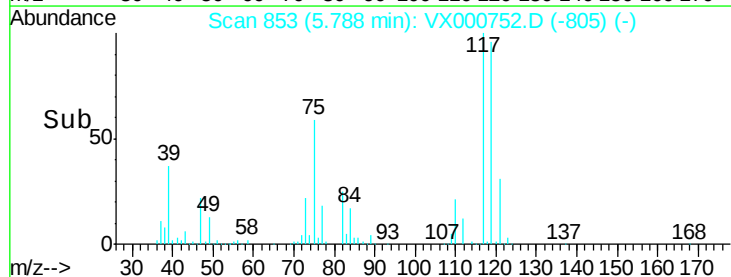
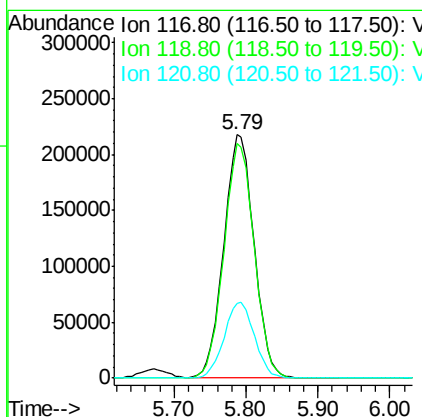
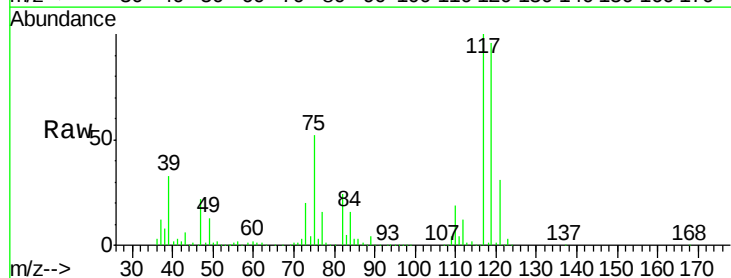
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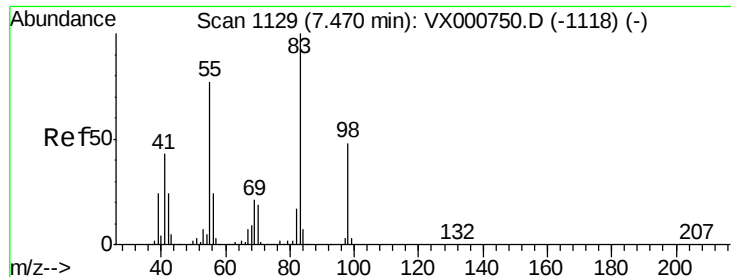
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#38
Carbon Tetrachloride
Concen: 179.86 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.7	115.1
121	30.9	24.7	37.1





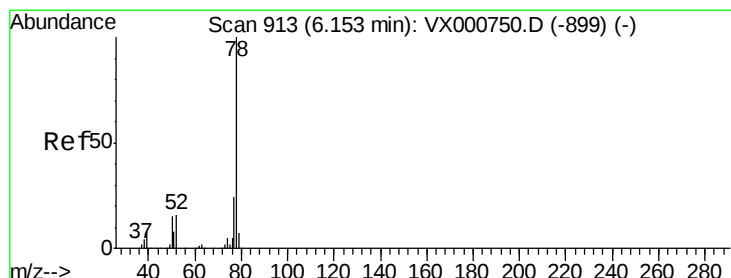
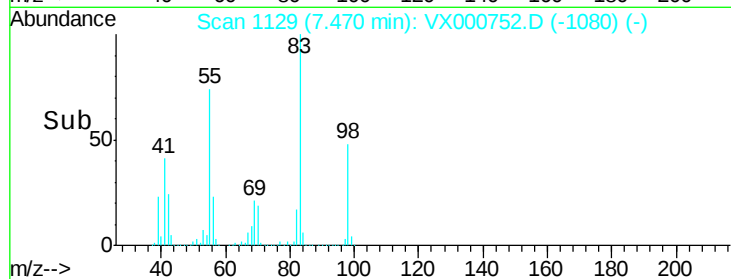
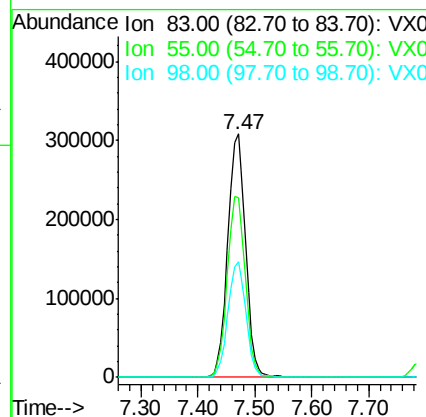
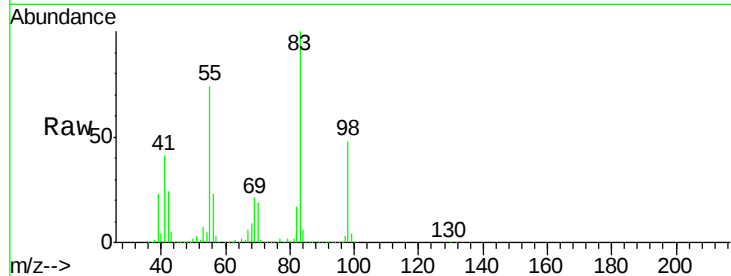
#39
Methvlcvclohexane
Concen: 189.23 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	63.7	95.5
98	47.7	37.2	55.8

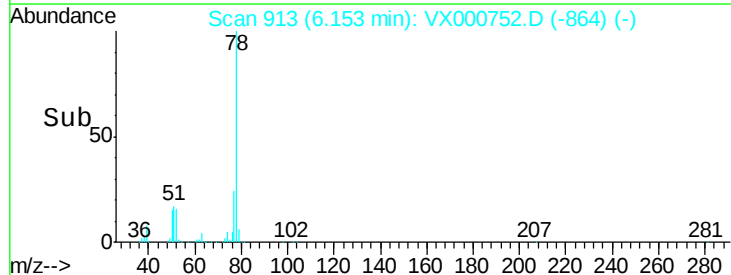
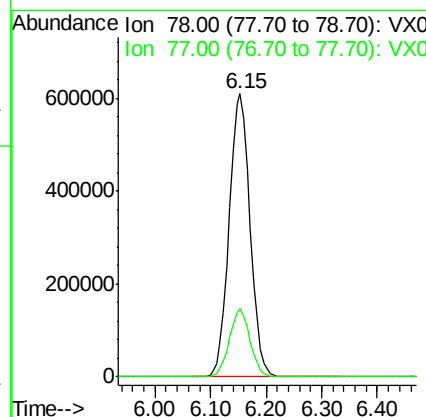
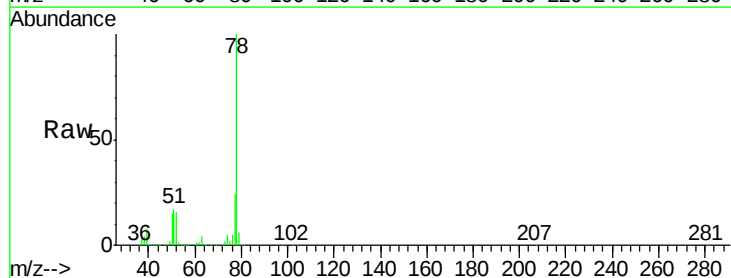
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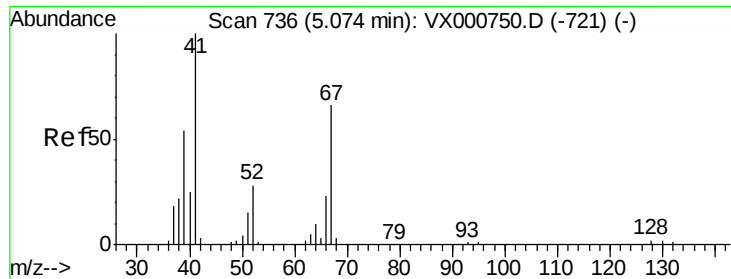
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#40
Benzene
Concen: 185.84 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





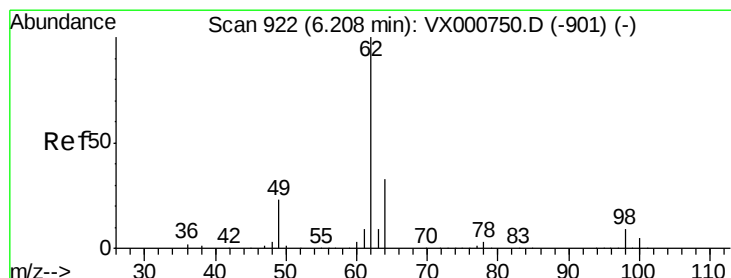
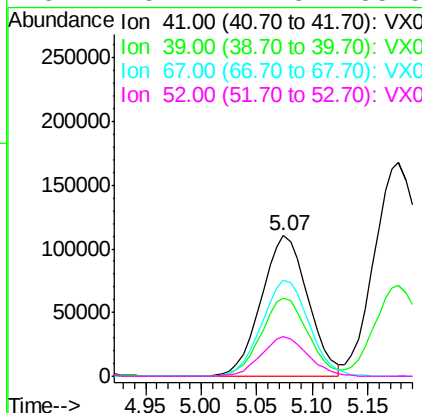
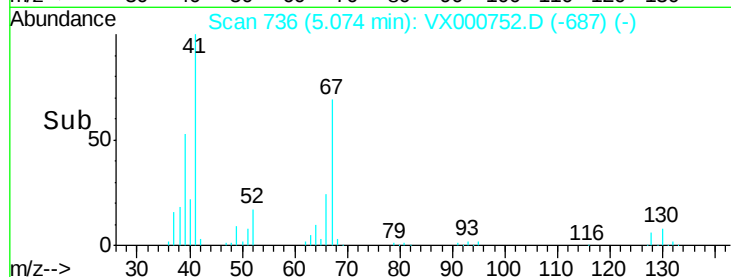
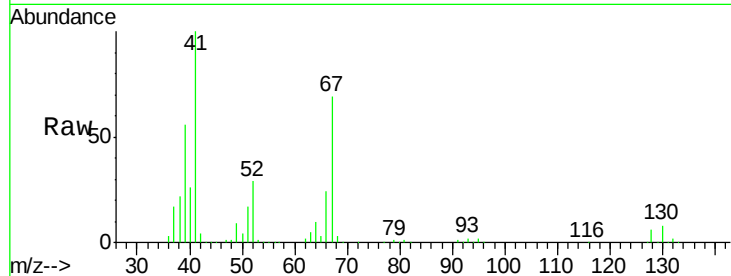
#41
Methacrylonitrile
Concen: 170.37 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	45.3	67.9	
67	69.4	52.7	79.1	
52	28.2	22.3	33.5	

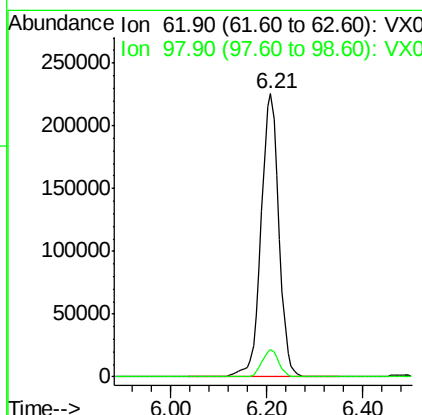
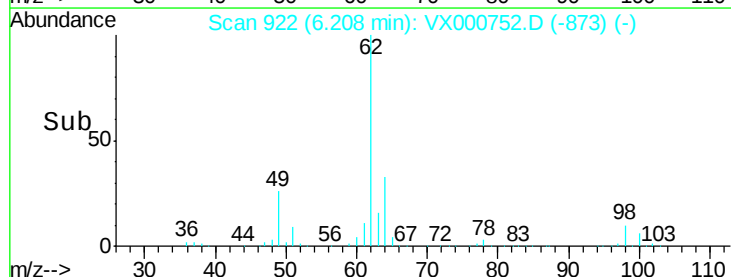
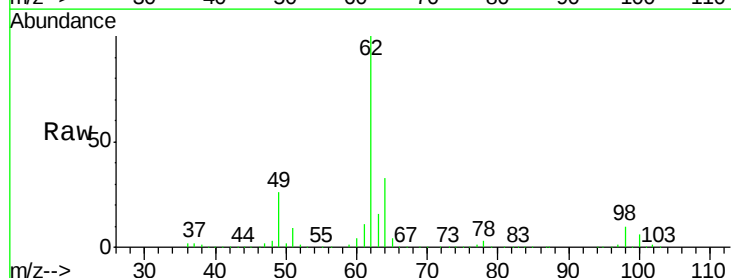
Manual Integrations
APPROVED

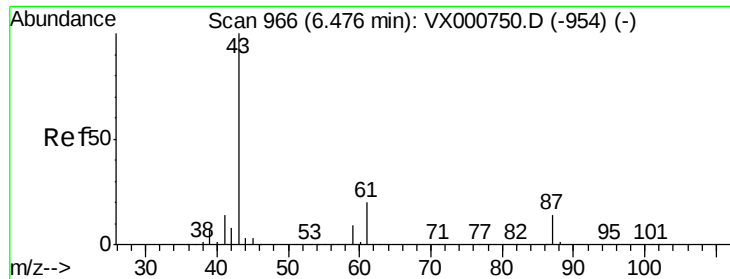
MMDadoda
4/11/2018 11:20:45 AM



#42
1,2-Dichloroethane
Concen: 173.10 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.2	





#43

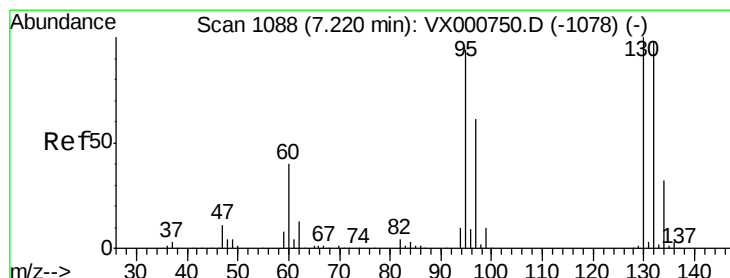
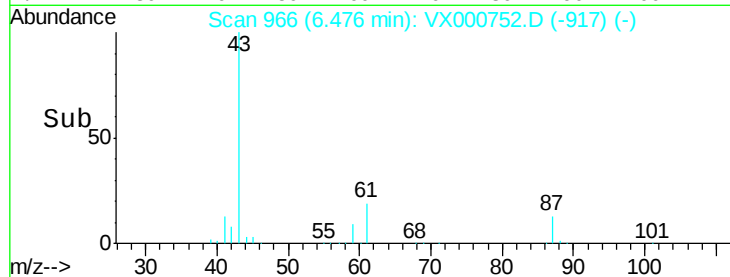
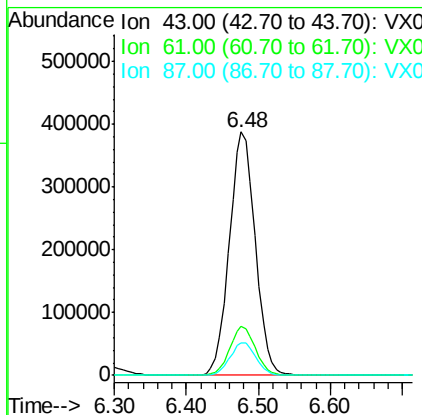
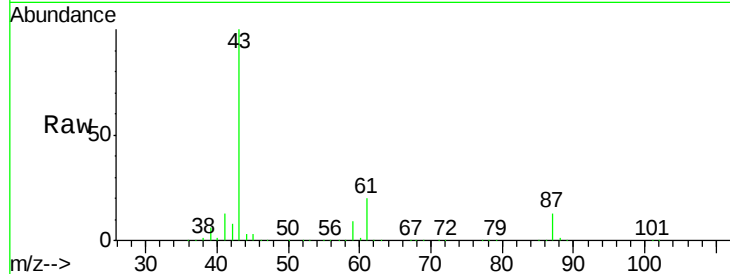
Isopropyl Acetate
 Concen: 170.36 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.4	23.0
87	13.6	10.4	15.6

Manual Integrations
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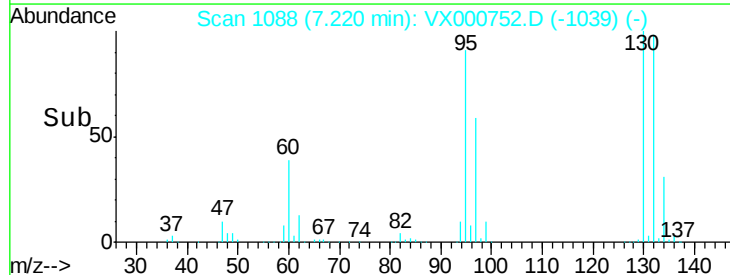
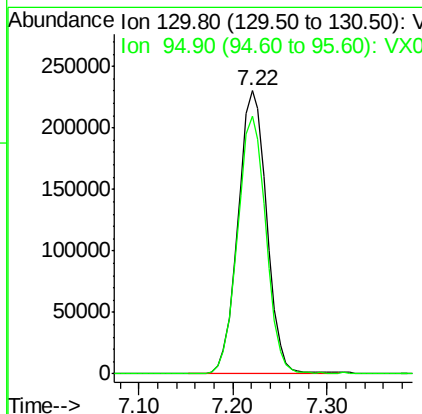
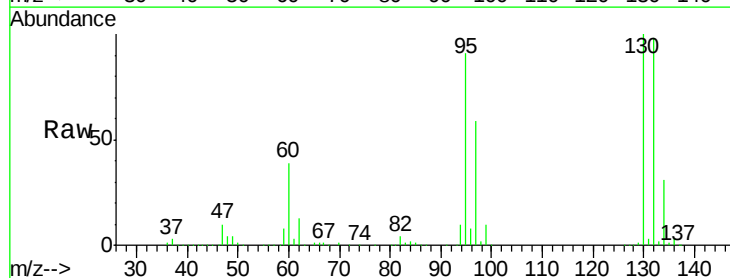
MMDadoda
 4/11/2018 11:20:45 AM

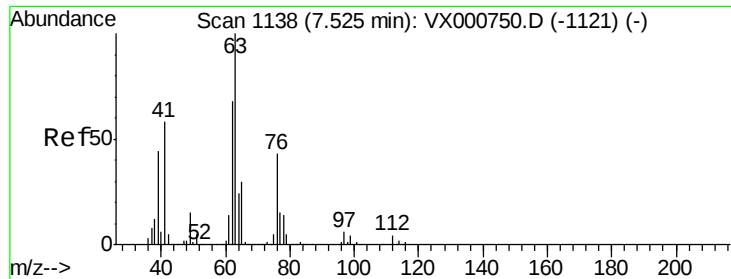


#44

Trichloroethene
 Concen: 189.61 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 178.18 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 405014

Ion Ratio Lower Upper

63 100

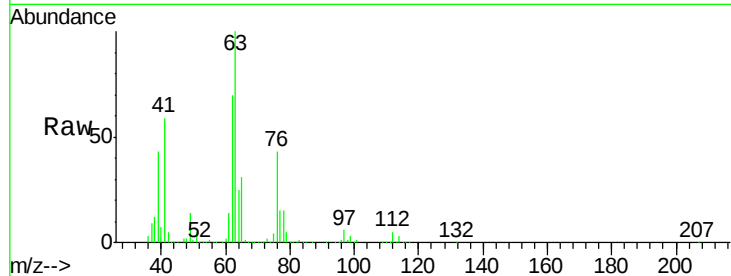
65 30.6 24.2 36.2

Manual Integrations

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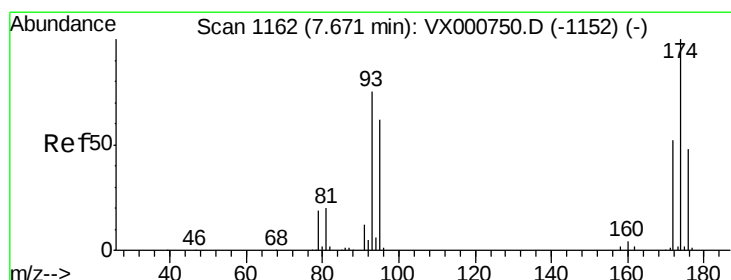
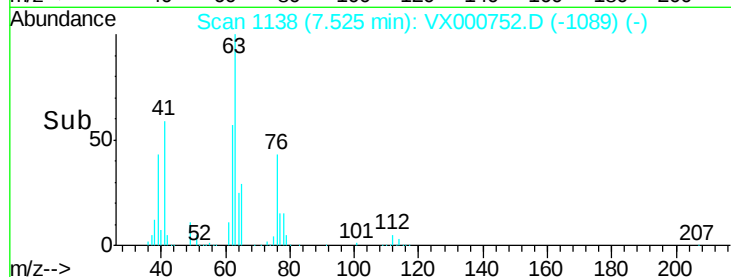
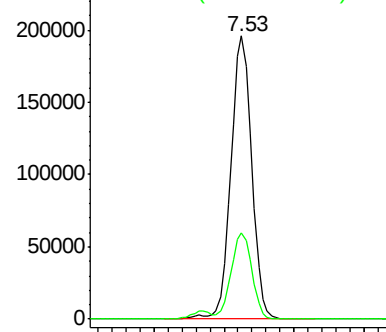
MMDadoda

4/11/2018 11:20:45 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 178.81 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

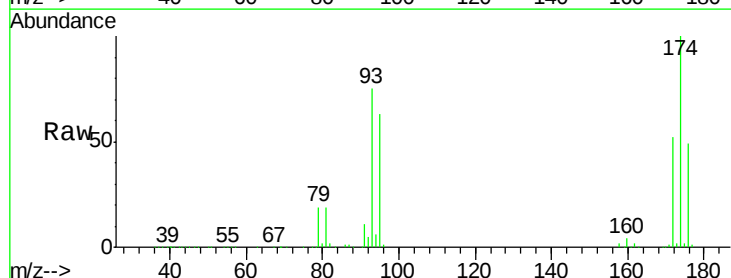
Tgt Ion: 93 Resp: 282110

Ion Ratio Lower Upper

93 100

95 83.6 66.0 99.0

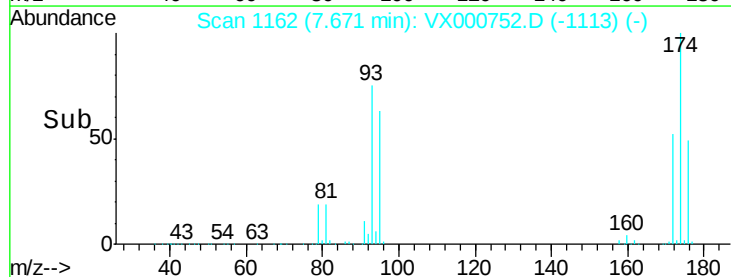
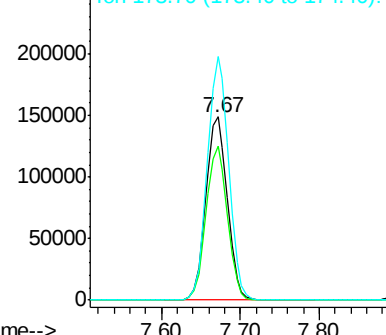
174 131.8 100.2 150.2

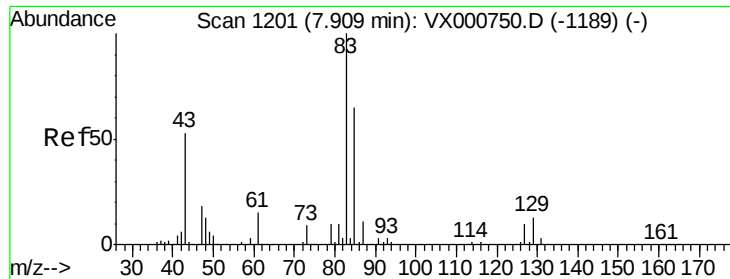


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





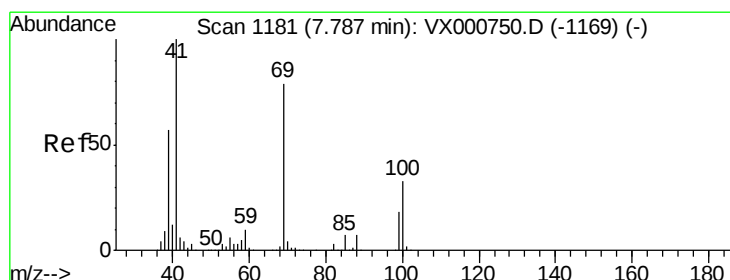
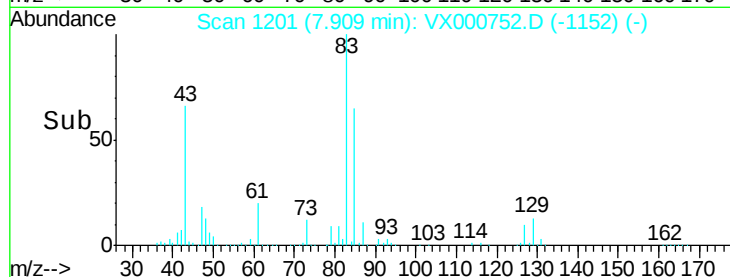
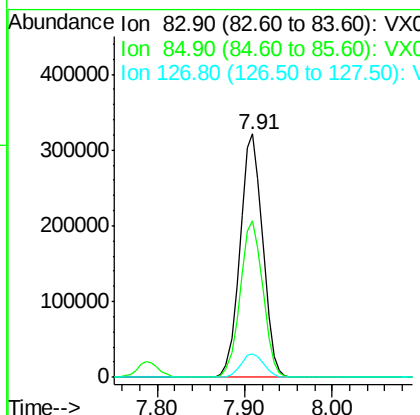
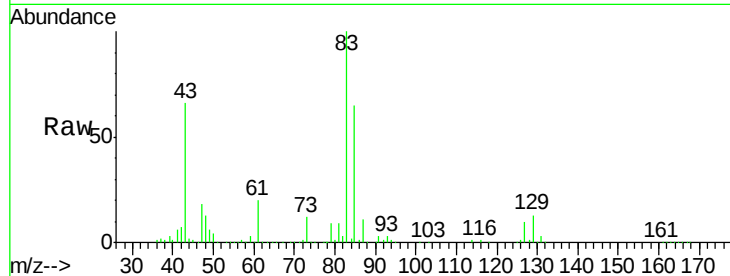
#47
 Bromodichloromethane
 Concen: 176.87 ug/l
 RT: 7.91 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	83	Resp	577364
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	51.0	76.4
127	9.8	7.4	11.2

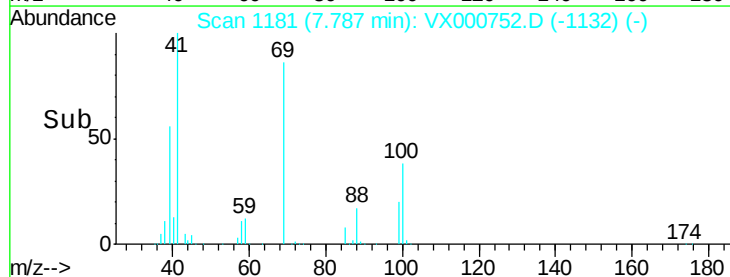
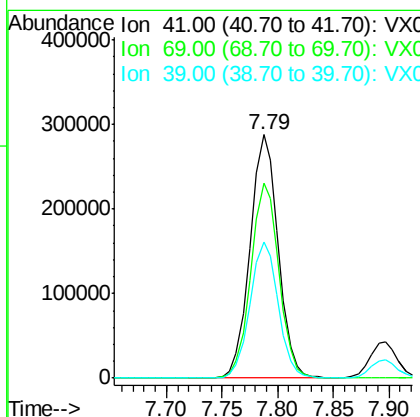
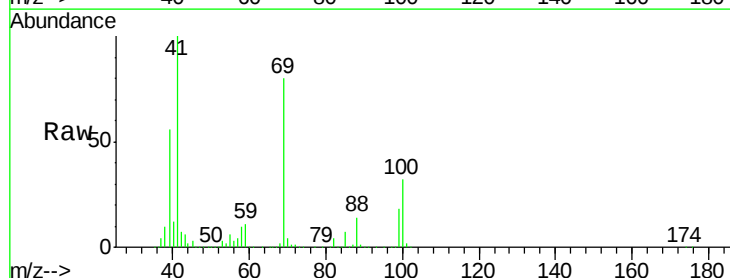
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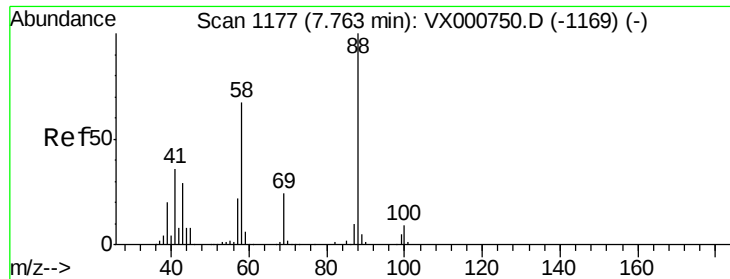
MMDadoda
 4/11/2018 11:20:45 AM



#48
 Methyl methacrylate
 Concen: 177.46 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Tgt Ion	41	Resp	505829
Ion Ratio	100	Lower	Upper
41	100		
69	80.6	62.0	93.0
39	56.2	47.0	70.4





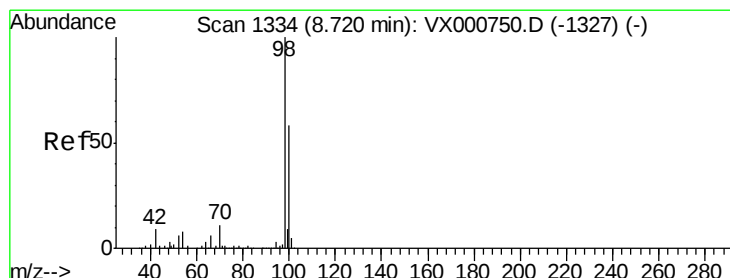
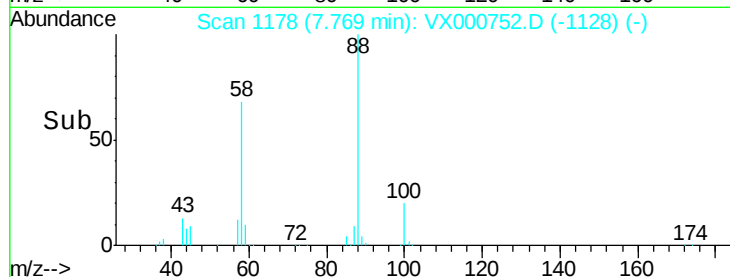
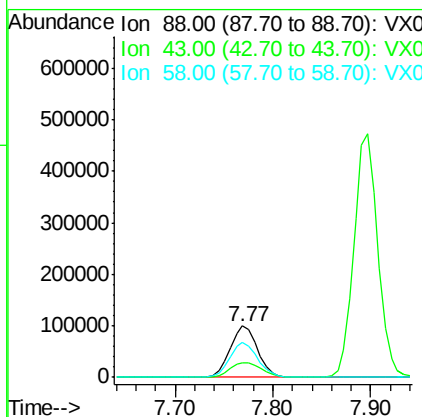
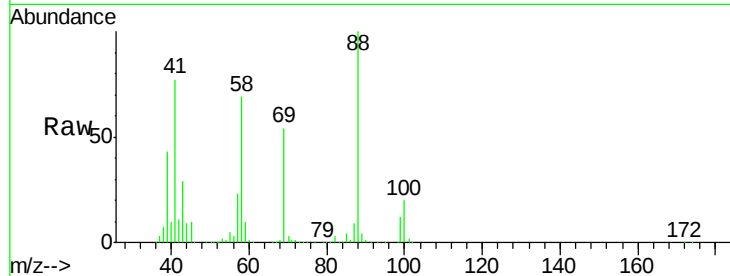
#49
1,4-Dioxane
Concen: 3418.56 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	27.9	41.9
58	69.2	57.0	85.4

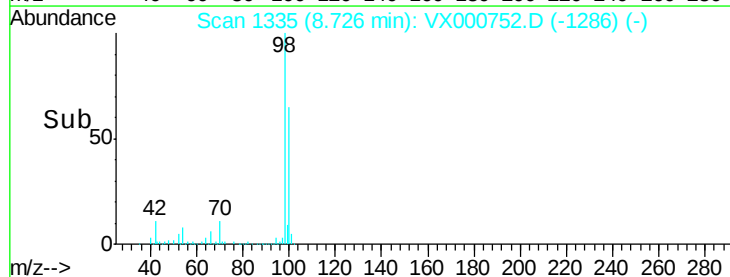
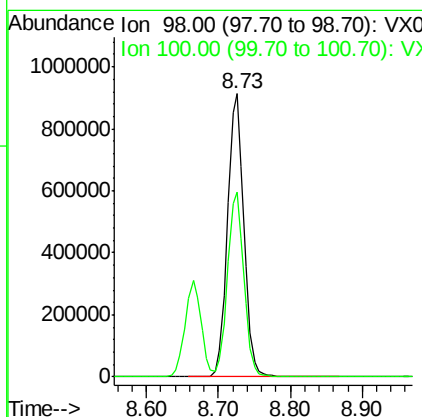
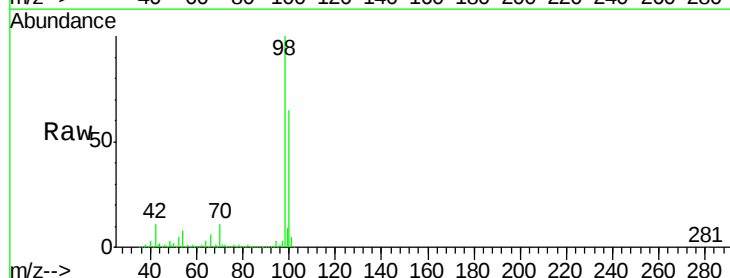
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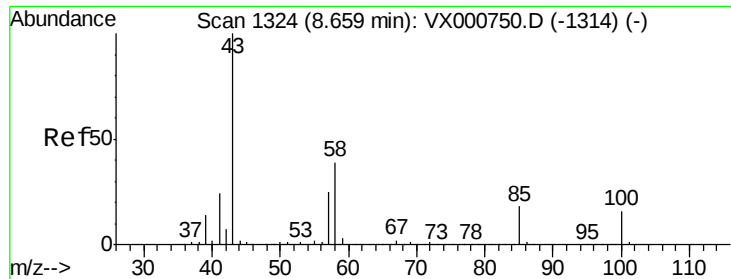
MMDadoda
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#50
Toluene-d8
Concen: 168.64 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	78.8





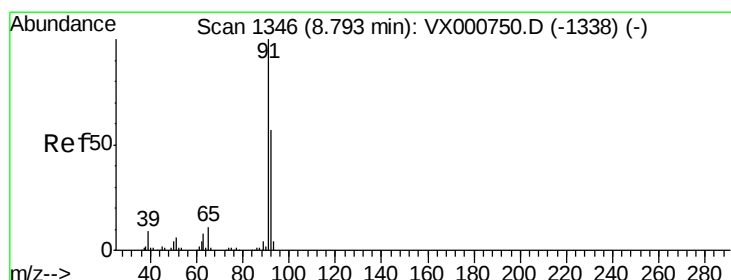
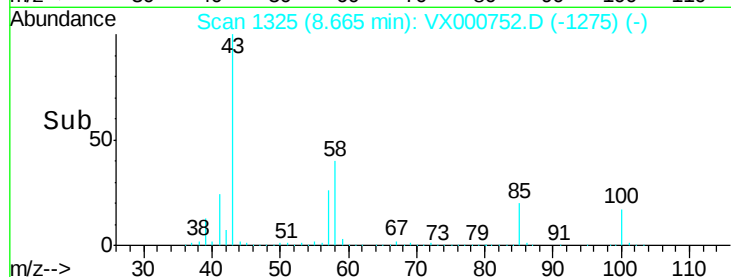
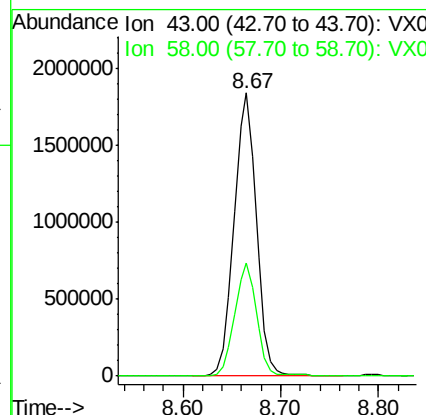
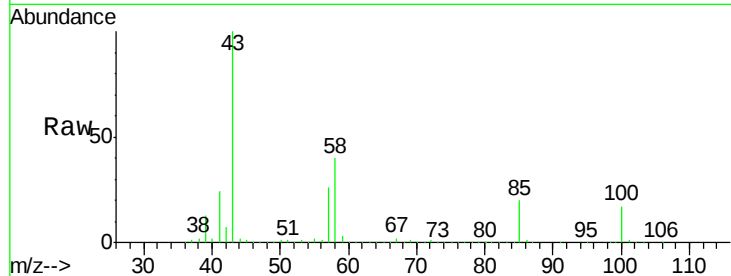
#51
4-Methyl-2-Pentanone
Concen: 887.72 ug/l
RT: 8.67 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2913802
Ion Ratio Lower Upper
43 100
58 39.1 30.6 46.0

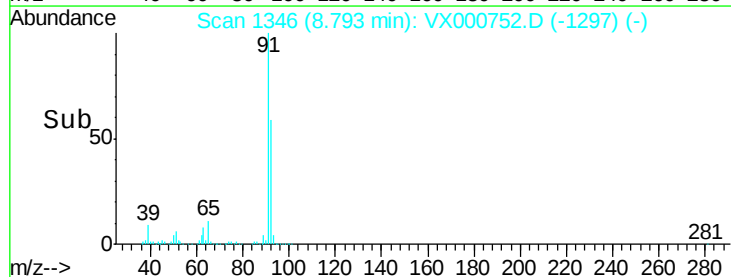
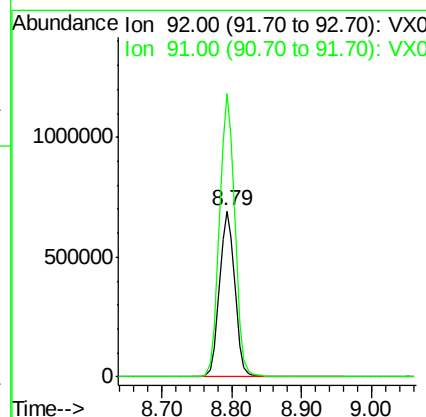
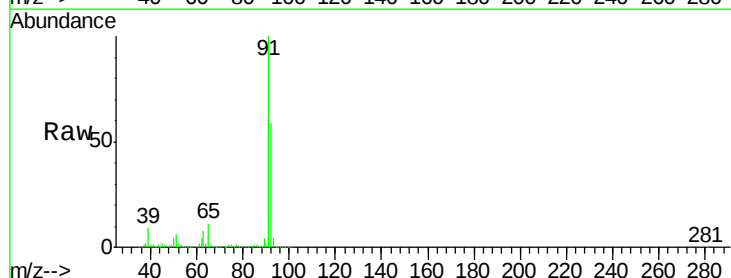
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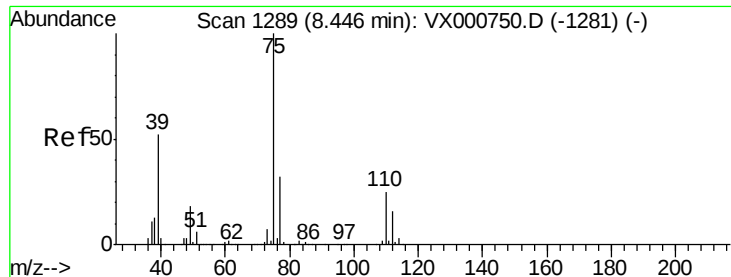
MMDadoda
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#52
Toluene
Concen: 185.43 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion: 92 Resp: 1048032
Ion Ratio Lower Upper
92 100
91 171.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 180.64 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 701681

Ion Ratio Lower Upper

75 100

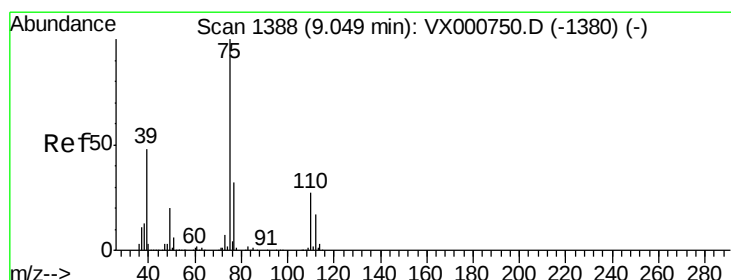
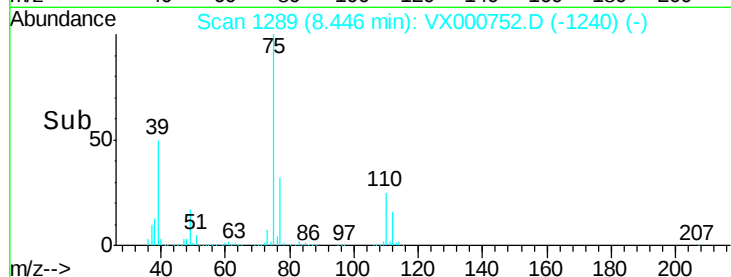
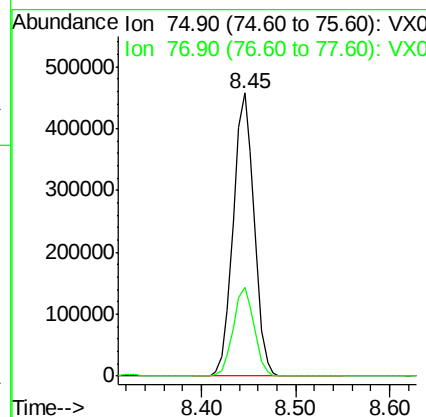
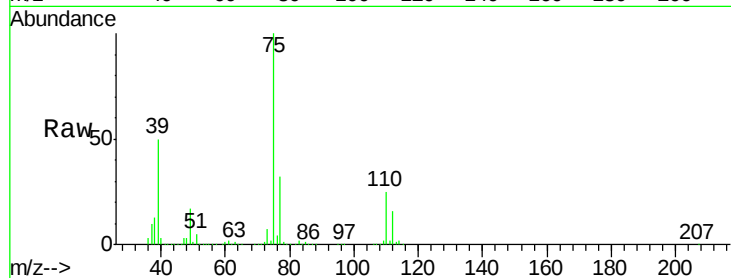
77 31.5 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 179.05 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

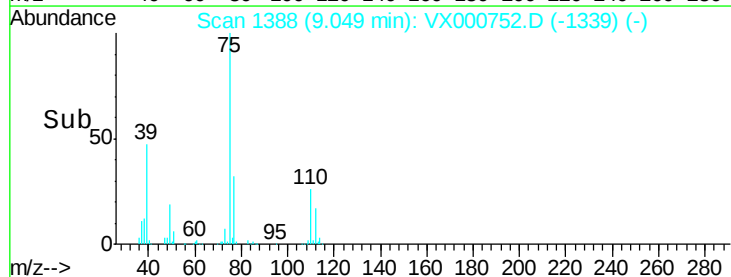
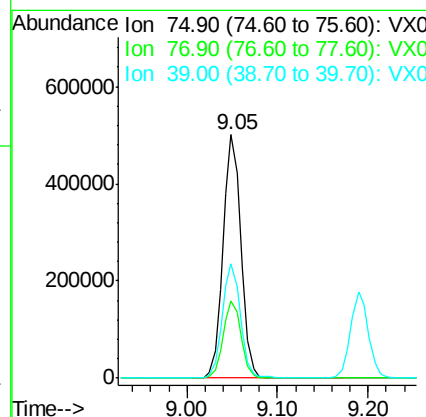
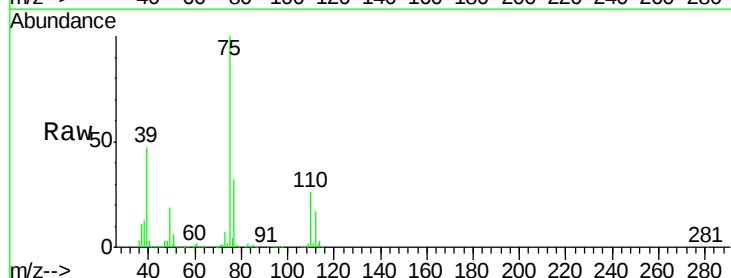
Tgt Ion: 75 Resp: 690652

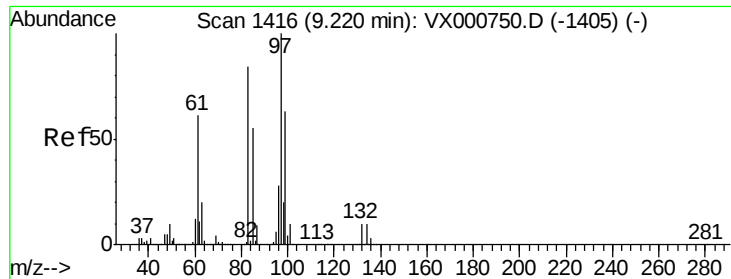
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 47.0 40.5 60.7





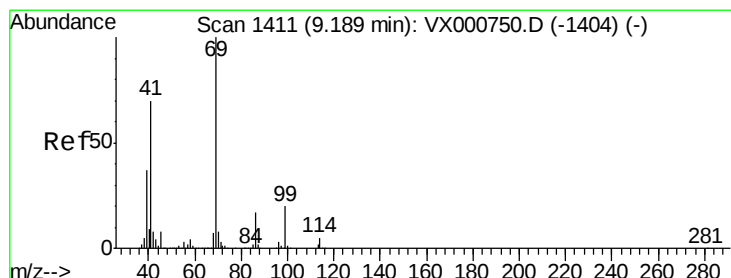
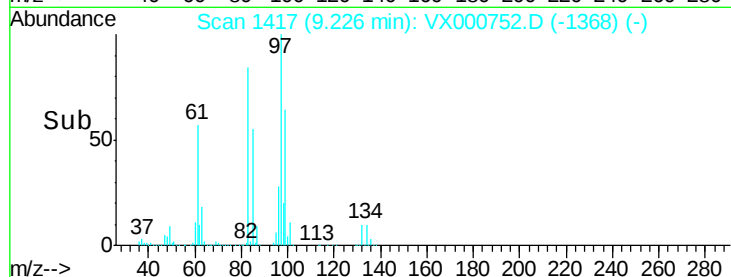
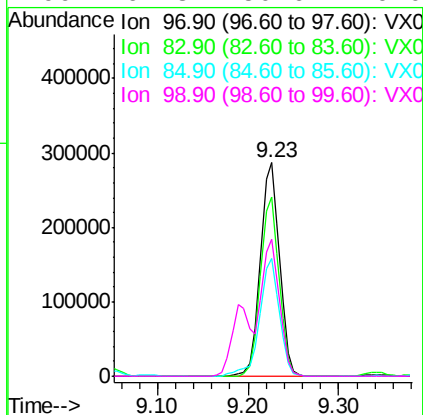
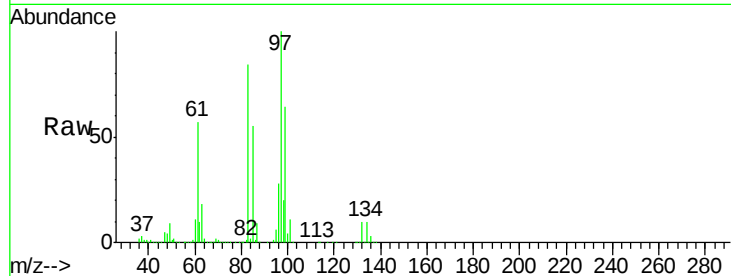
#55
 1,1,2-Trichloroethane
 Concen: 182.28 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	419090
Ion	Ratio	Lower	Upper
97	100		
83	83.9	65.7	98.5
85	54.8	42.8	64.2
99	64.3	50.6	76.0

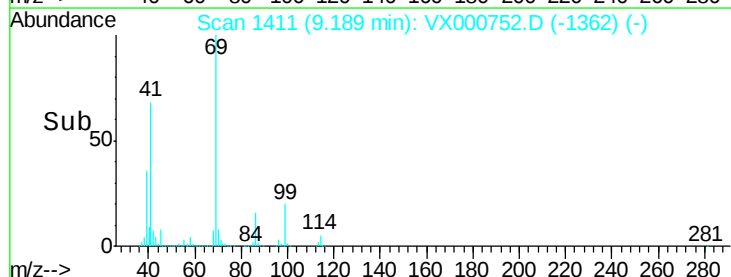
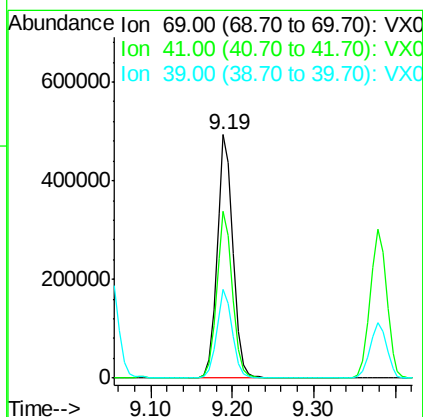
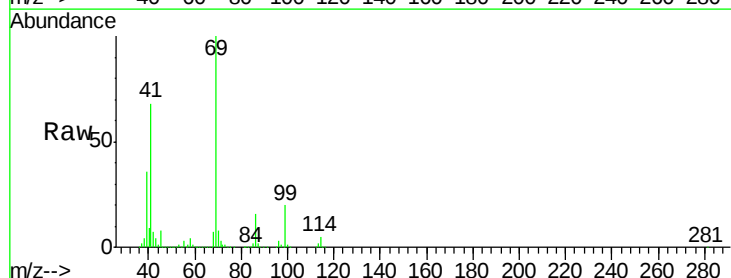
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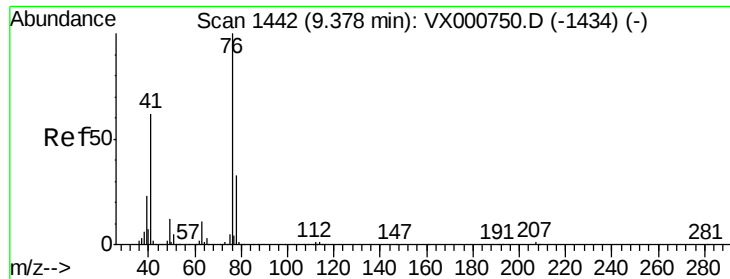
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#56
 Ethyl methacrylate
 Concen: 183.66 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Tgt Ion:	69	Resp:	673287
Ion	Ratio	Lower	Upper
69	100		
41	68.1	56.4	84.6
39	36.0	31.4	47.2





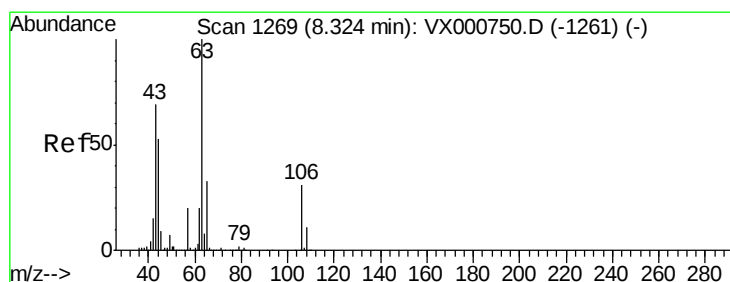
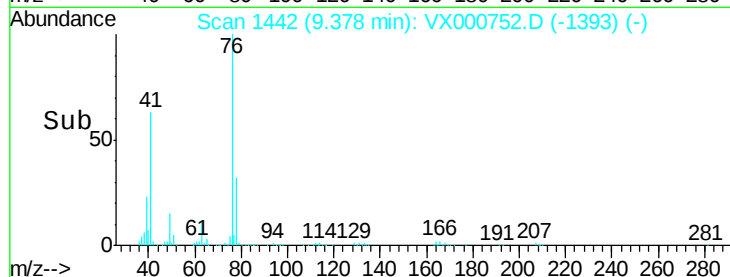
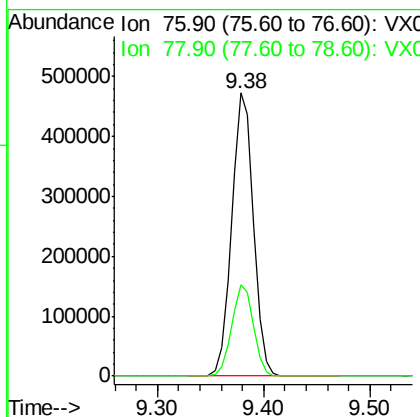
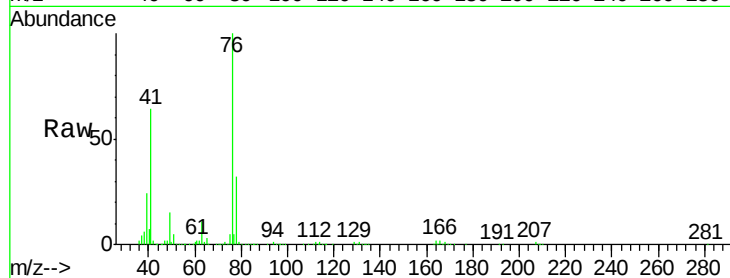
#57
 1,3-Dichloropropane
 Concen: 179.35 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.2

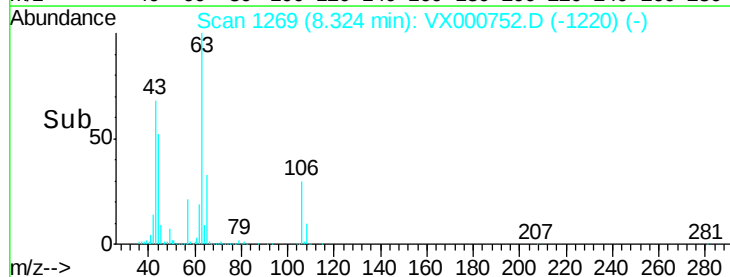
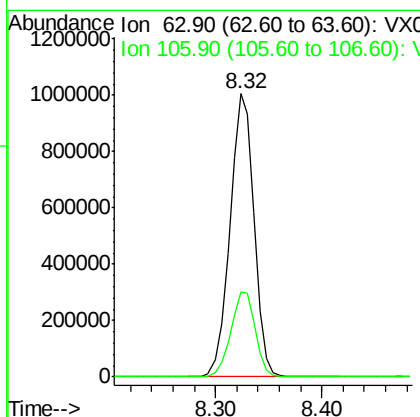
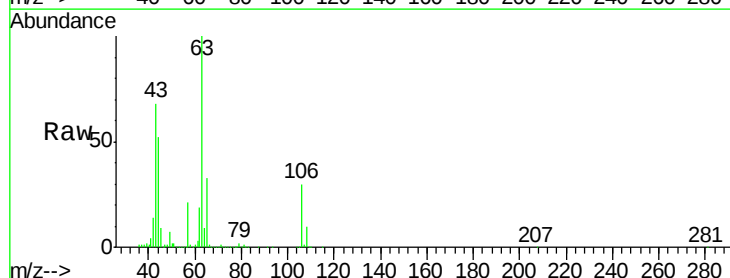
Manual Integrations
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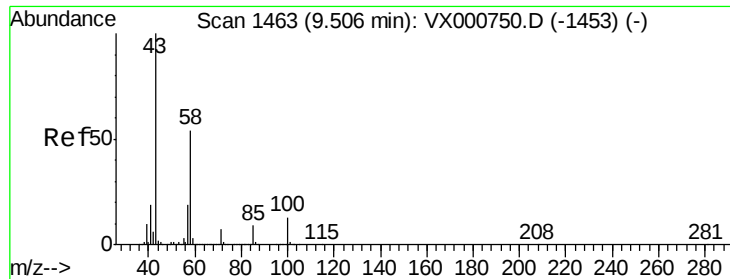
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#58
 2-Chloroethyl Vinyl ether
 Concen: 920.86 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.0	36.0





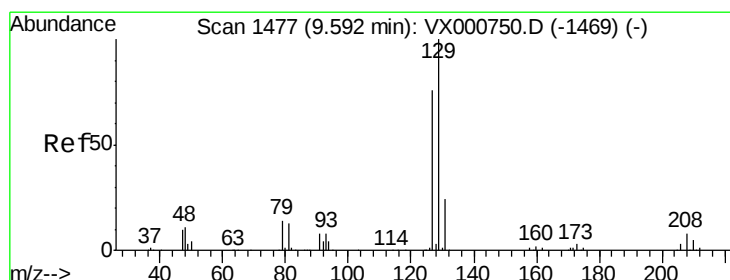
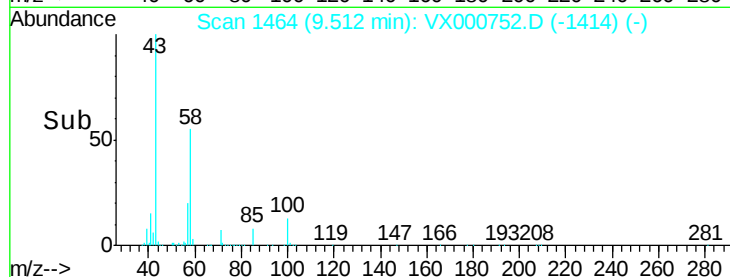
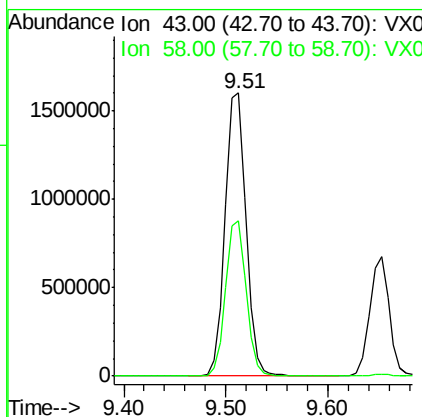
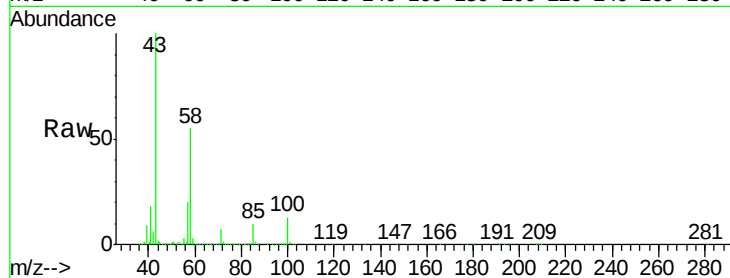
#59
2-Hexanone
Concen: 907.16 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2272570
Ion Ratio Lower Upper
43 100
58 54.1 25.9 77.8

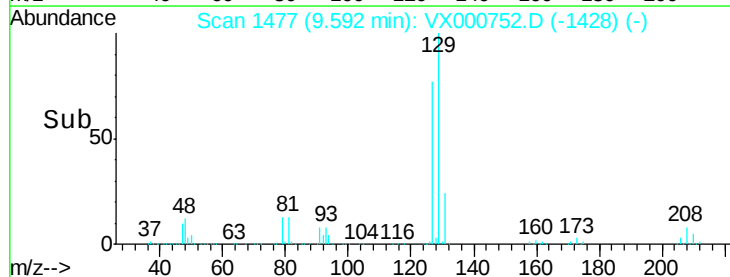
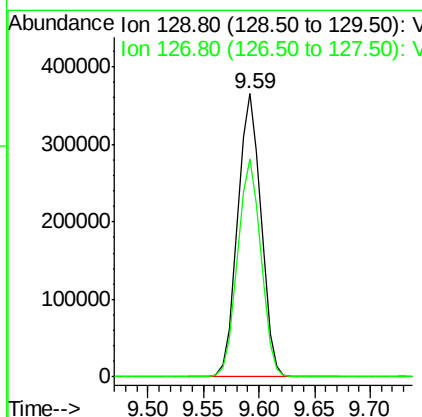
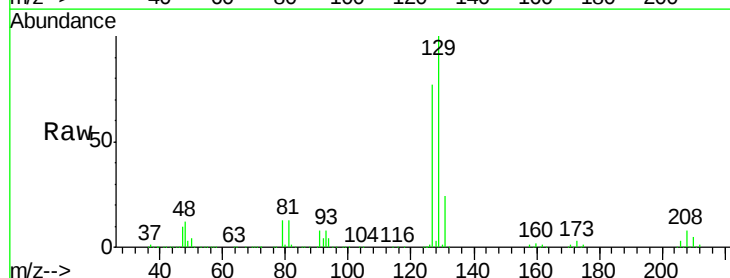
Manual Integrations
APPROVED

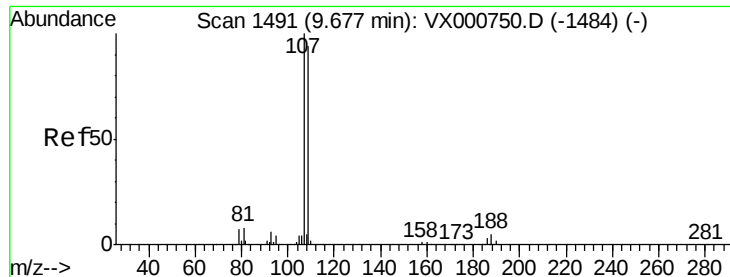
MMDadoda
4/11/2018 11:20:45 AM



#60
Dibromochloromethane
Concen: 185.93 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion: 129 Resp: 533168
Ion Ratio Lower Upper
129 100
127 76.6 38.2 114.6





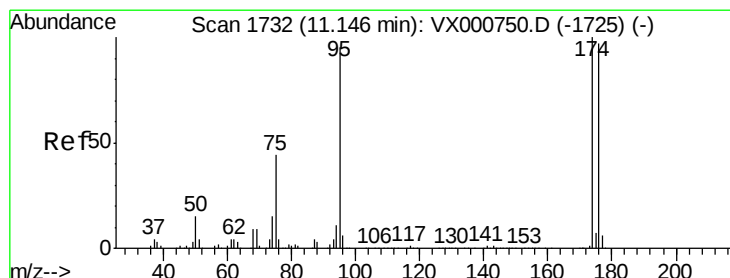
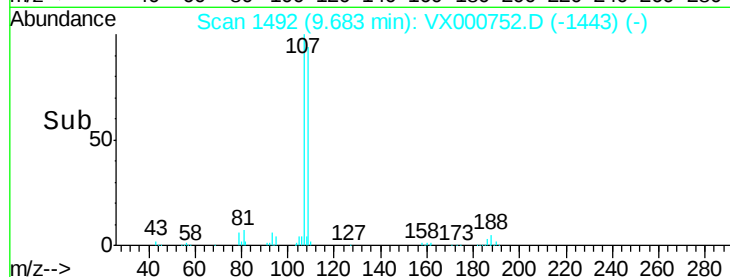
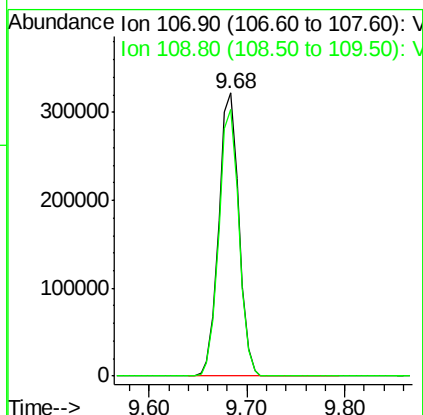
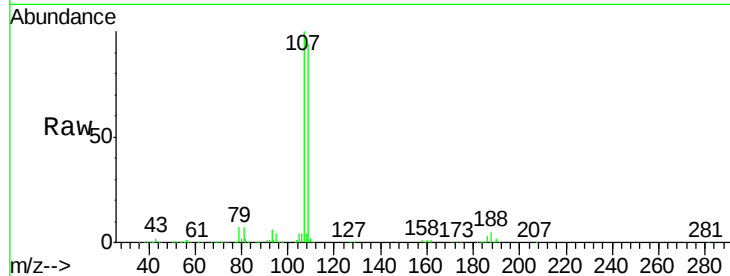
#61
 1,2-Dibromoethane
 Concen: 185.39 ug/l
 RT: 9.68 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	457705		
109	94.5	76.6	115.0	

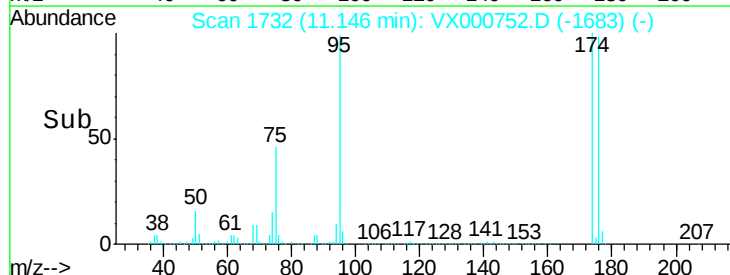
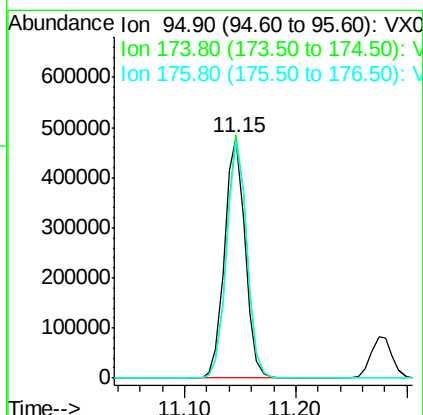
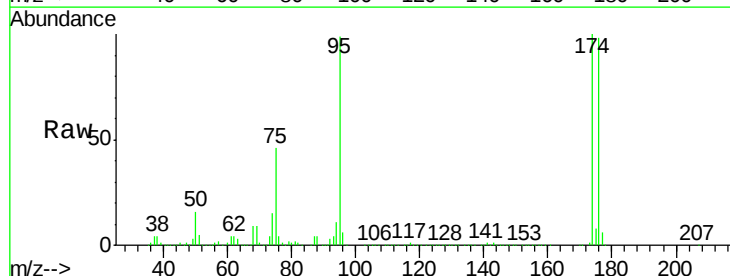
Manual Integrations
 APPROVED

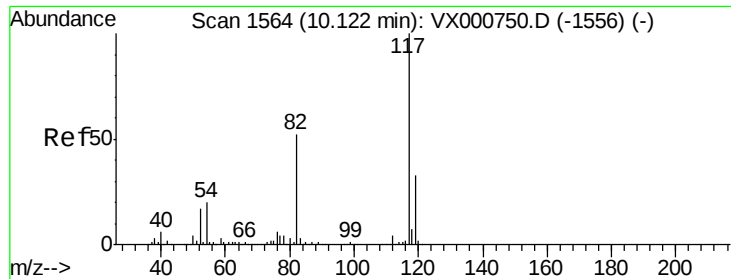
MMDadoda
 4/11/2018 11:20:45 AM



#62
 4-Bromofluorobenzene
 Concen: 170.09 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	609016		
174	99.4	0.0	191.6	
176	97.4	0.0	187.0	





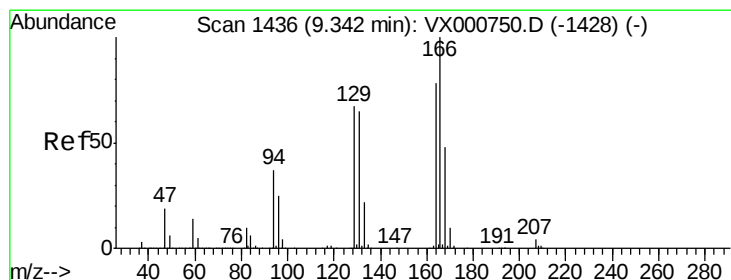
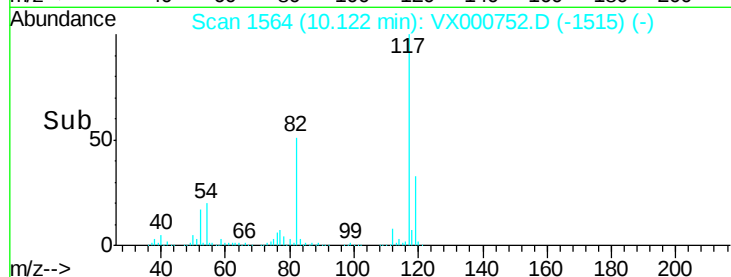
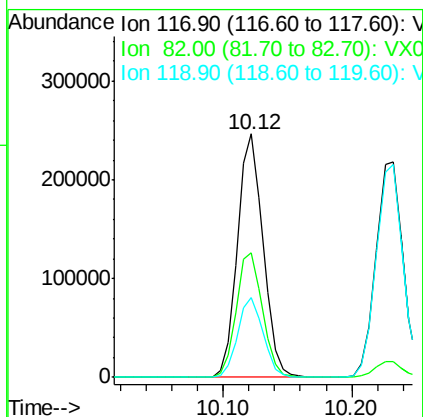
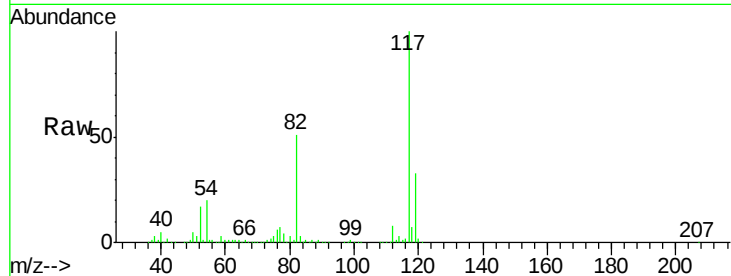
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.9	62.9
119	32.8	25.8	38.8

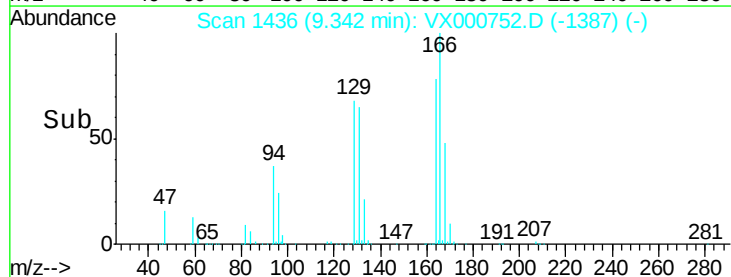
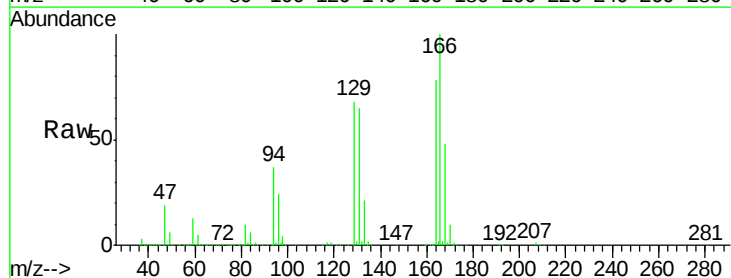
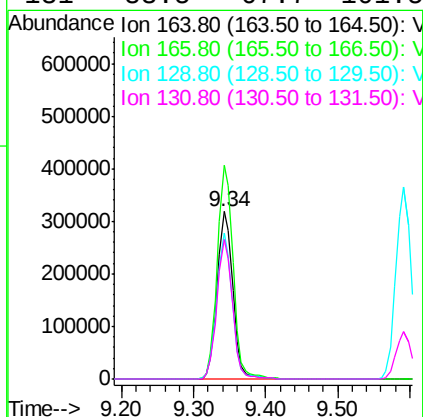
Manual Integrations
APPROVED

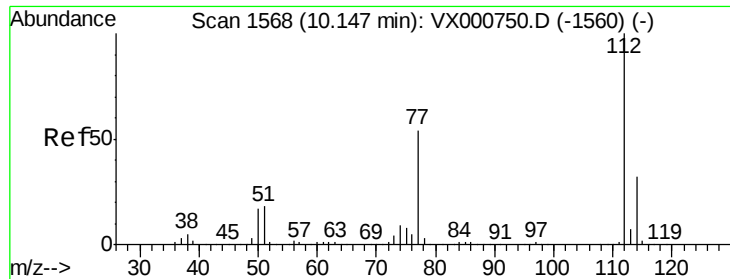
MMDadoda
4/11/2018 11:20:45 AM



#64
Tetrachloroethene
Concen: 179.78 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.4	153.6
129	87.4	69.3	103.9
131	83.5	67.7	101.5





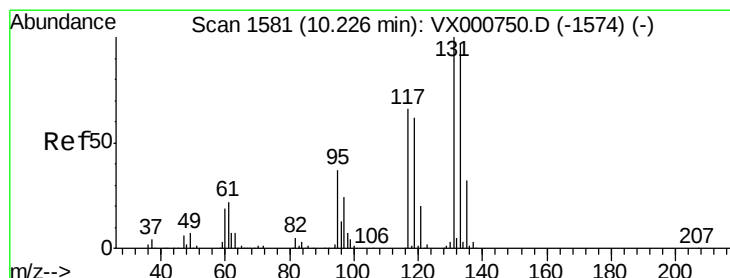
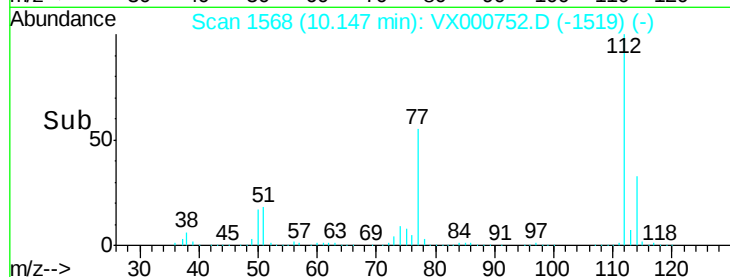
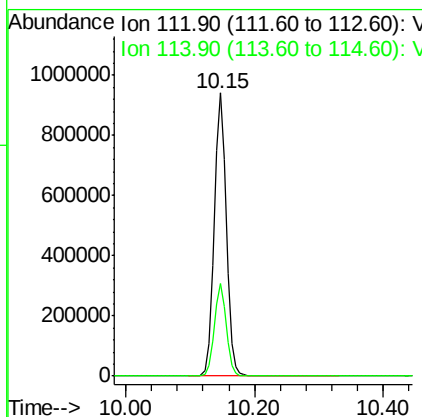
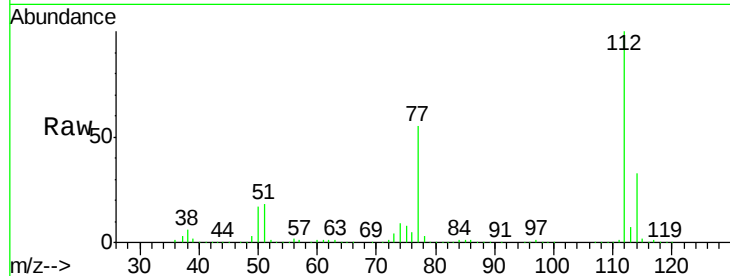
#65
Chlorobenzene
Concen: 178.76 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1250318
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.6

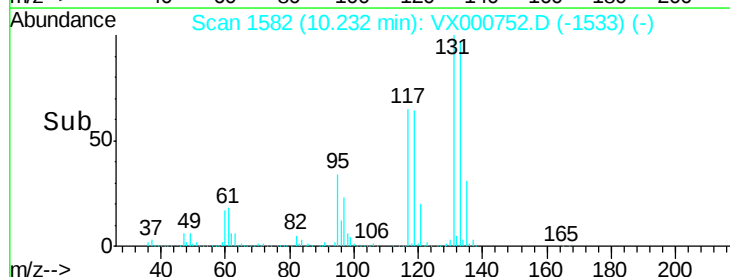
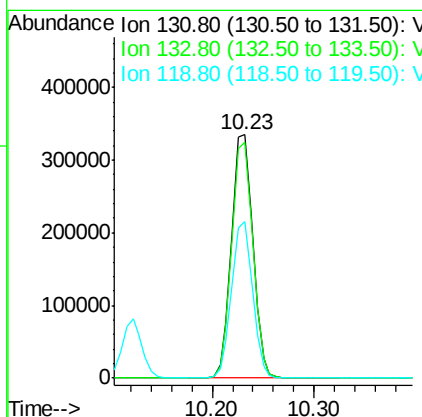
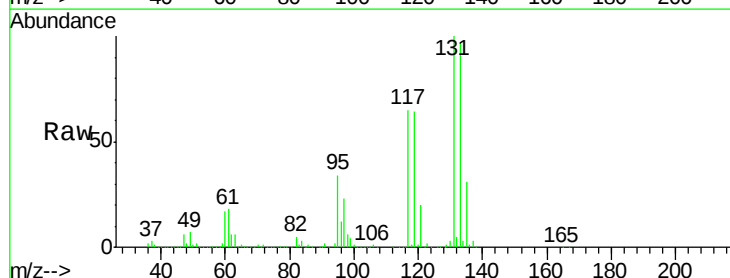
Manual Integrations
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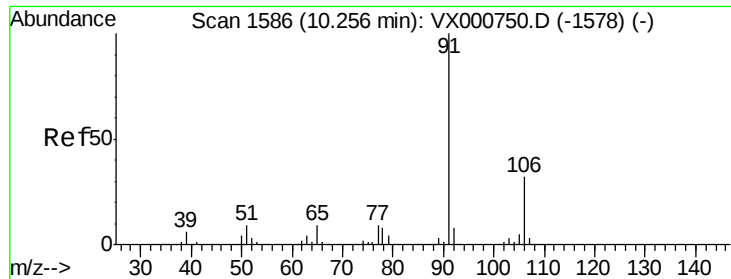
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#66
1,1,1,2-Tetrachloroethane
Concen: 177.02 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion:131 Resp: 483396
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.2
119 63.3 31.5 94.5





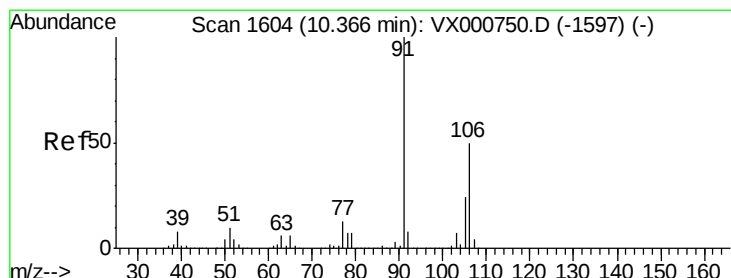
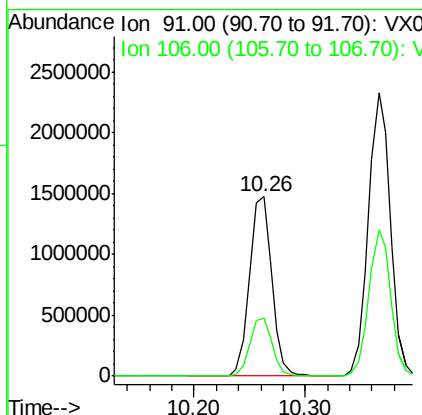
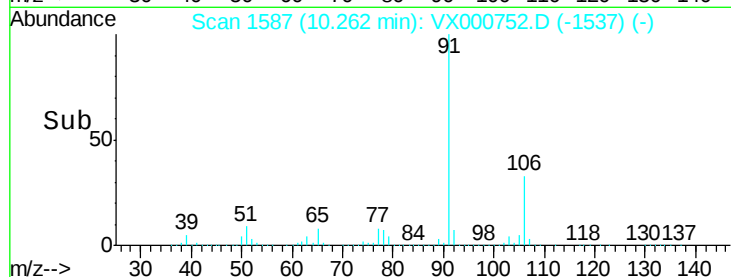
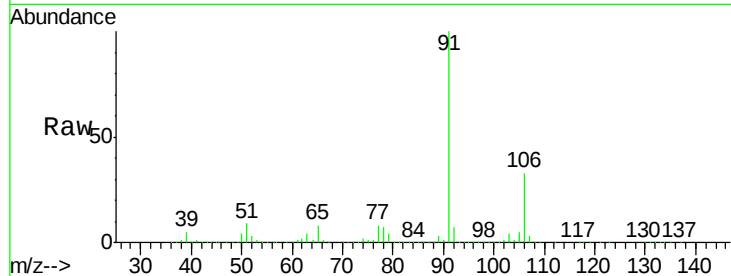
#67
Ethyl Benzene
Concen: 176.14 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 2066429
Ion Ratio Lower Upper
91 100
106 32.5 25.1 37.7

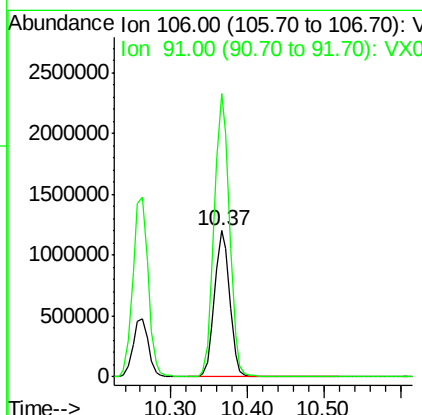
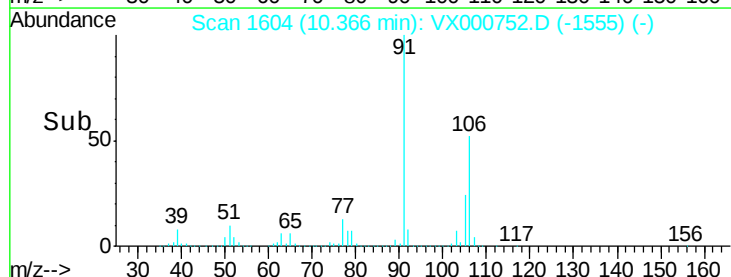
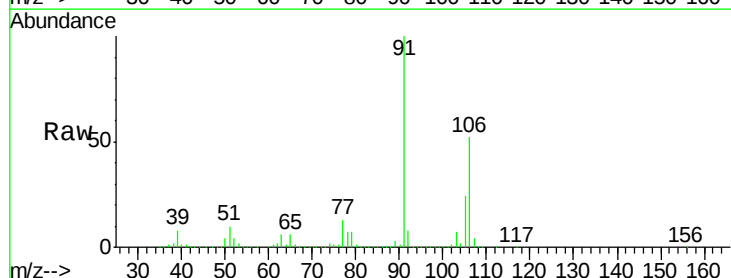
Manual Integrations
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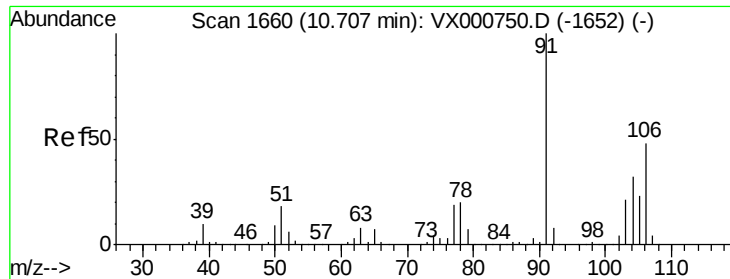
MMDadoda
4/11/2018 11:20:45 AM



#68
m/p-Xylenes
Concen: 360.62 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion: 106 Resp: 1655151
Ion Ratio Lower Upper
106 100
91 195.3 159.7 239.5





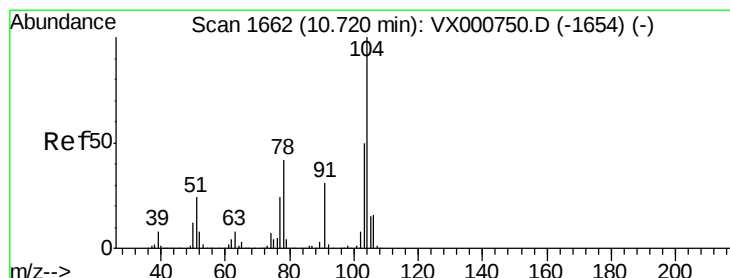
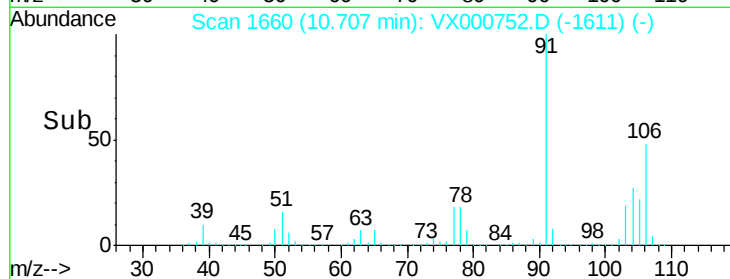
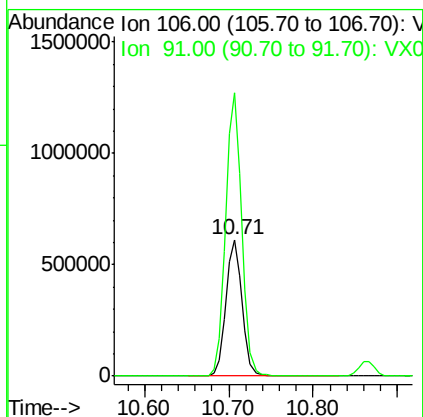
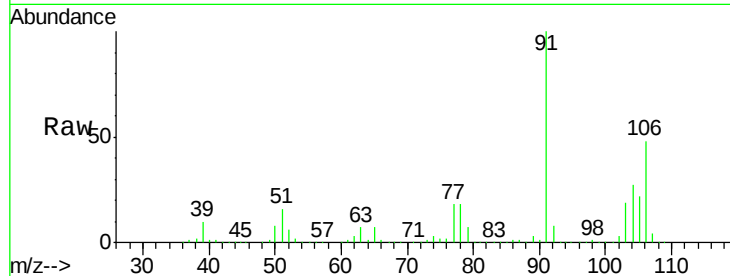
#69
o-Xylene
Concen: 179.67 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.1	106.1	318.3

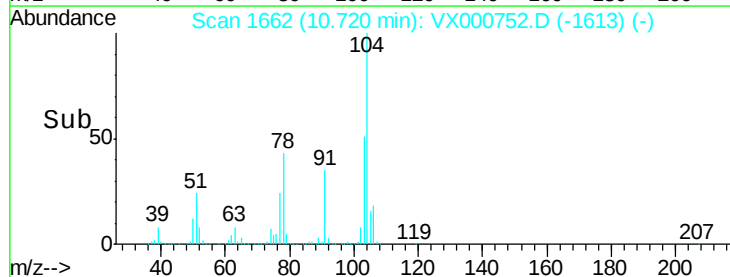
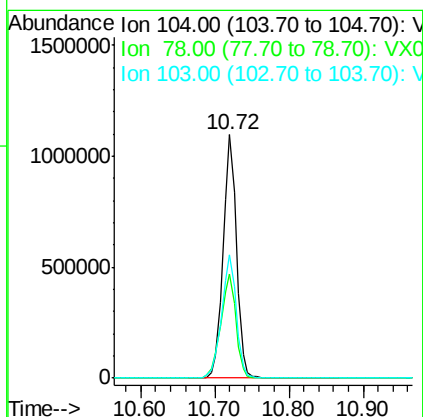
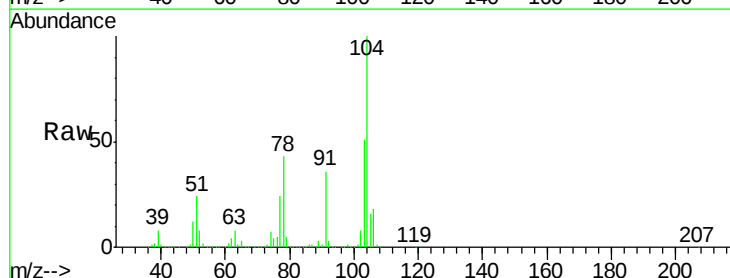
Manual Integrations
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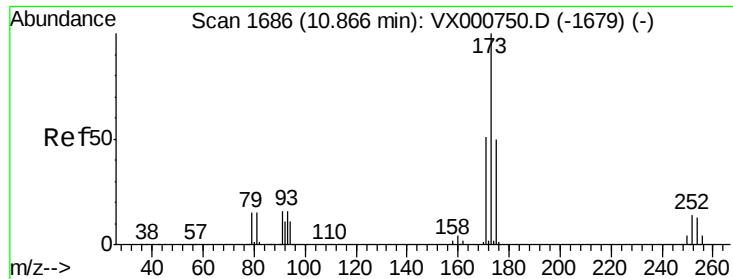
MMDadoda
4/11/2018 11:20:45 AM



#70
Styrene
Concen: 180.71 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.8	59.6
103	55.1	44.1	66.1





#71

Bromoform

Concen: 192.72 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

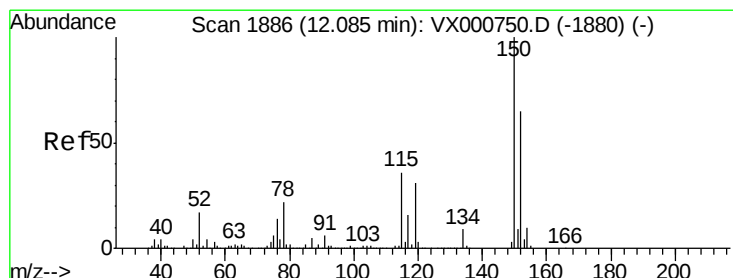
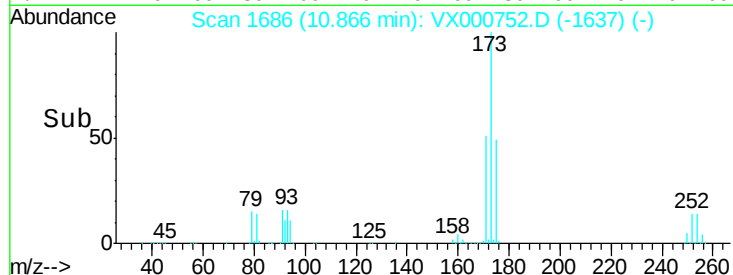
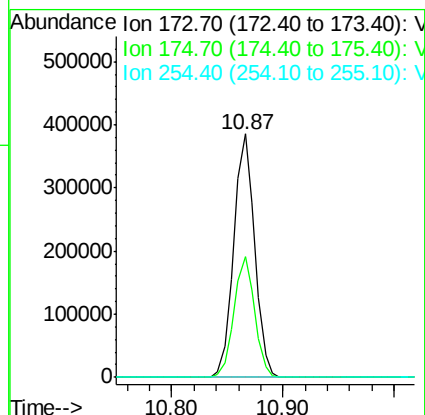
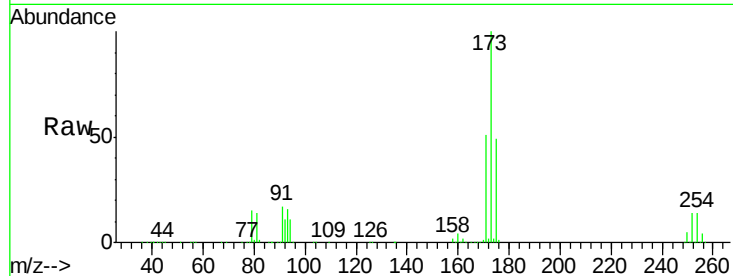
ClientSampled :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.2	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

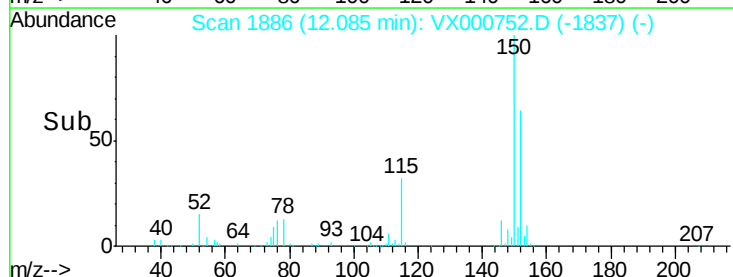
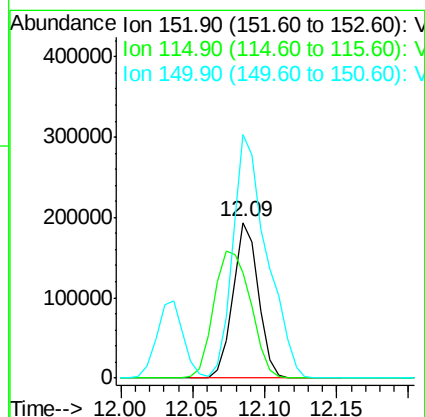
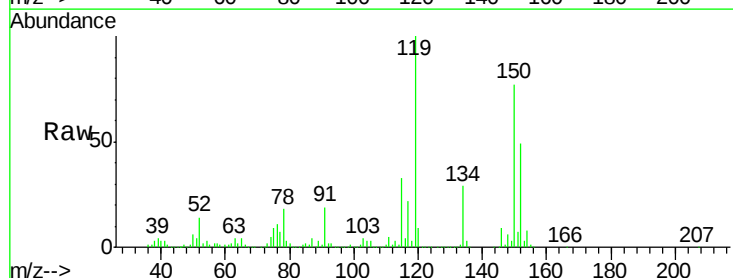
RT: 12.09 min Scan# 1886

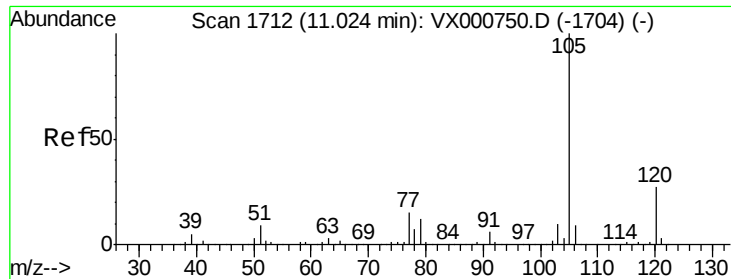
Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	117.6	37.7	113.1#
150	207.6	0.0	345.0





#73

Isopropylbenzene

Concen: 150.07 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2154812

Ion Ratio Lower Upper

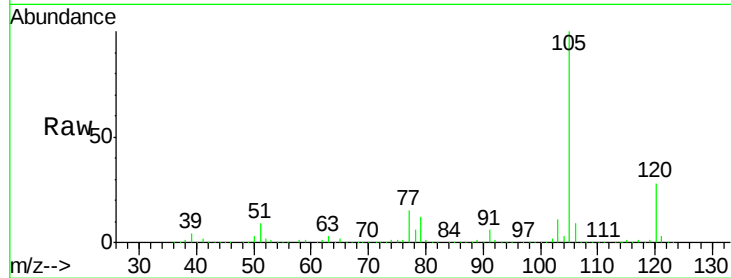
105 100

120 27.5 13.7 41.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

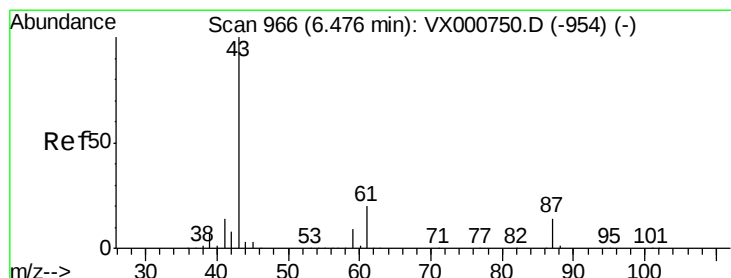
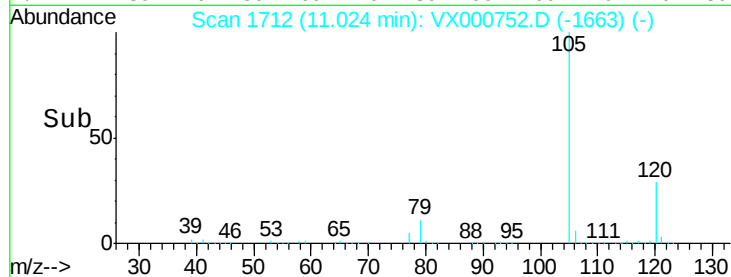
1000000

500000

0

Time-->

10.90 11.02 11.10



#74

N-ethyl acetate

Concen: 138.11 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Tgt Ion: 43 Resp: 965154

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 19.9 15.4 23.0

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

600000

500000

400000

300000

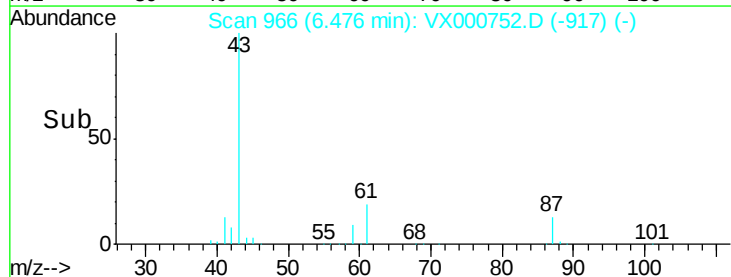
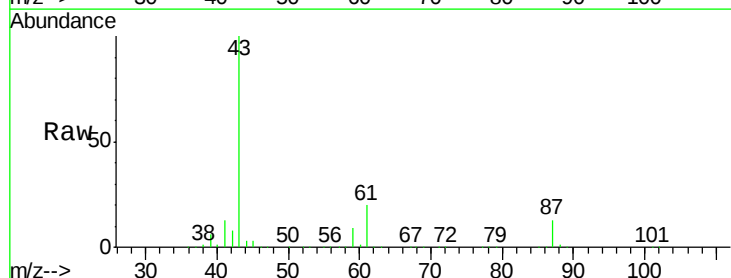
200000

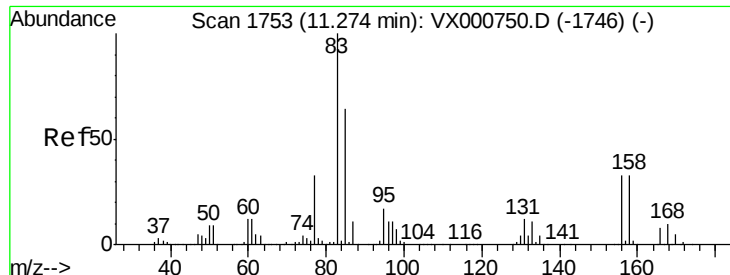
100000

0

Time-->

6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 156.32 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 667189

Ion Ratio Lower Upper

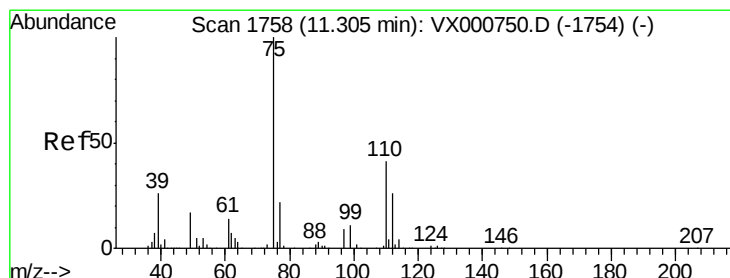
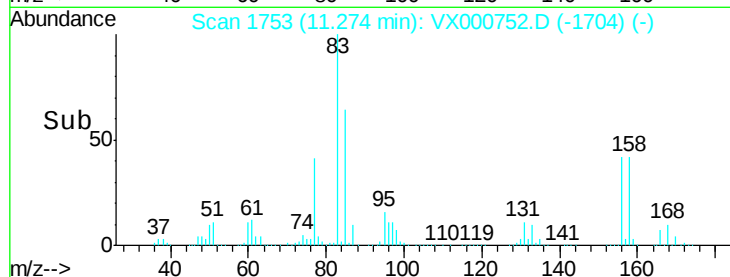
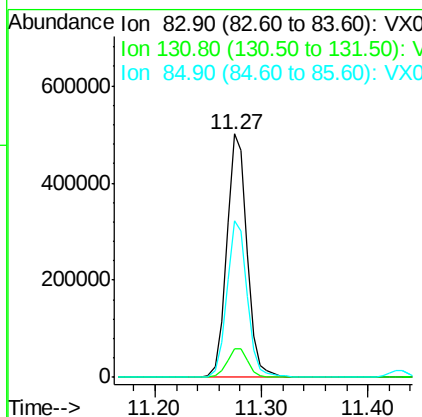
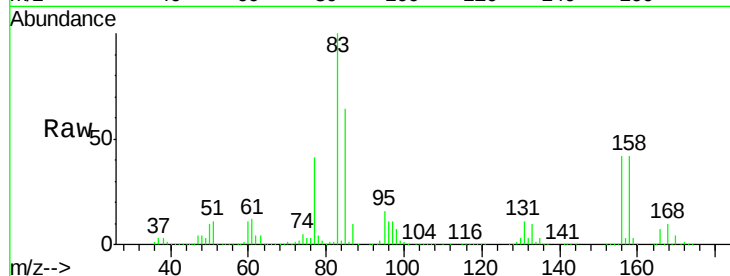
83 100

131 12.0 5.9 17.7

85 64.5 32.6 98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 148.07 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000752.D

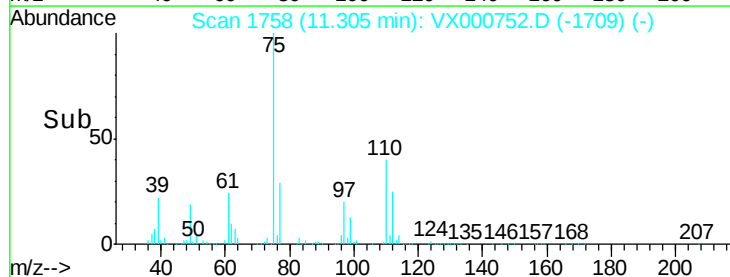
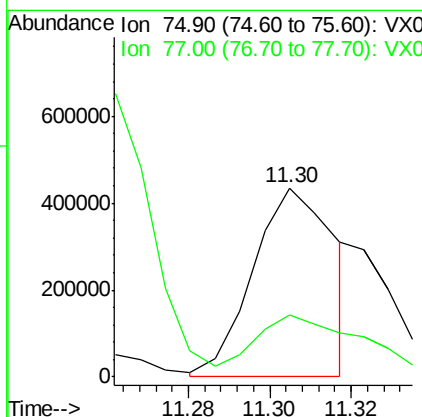
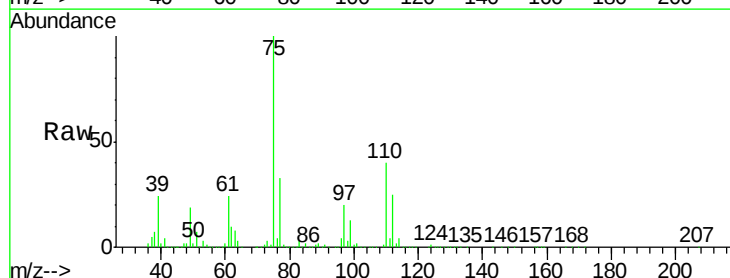
Acq: 10 Apr 2018 15:28

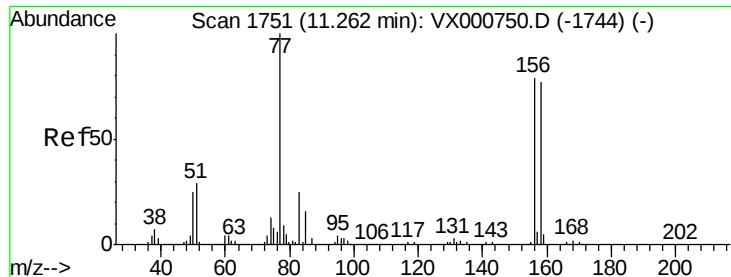
Tgt Ion: 75 Resp: 605126

Ion Ratio Lower Upper

75 100

77 43.8 21.3 63.7





#77

Bromobenzene

Concen: 158.61 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

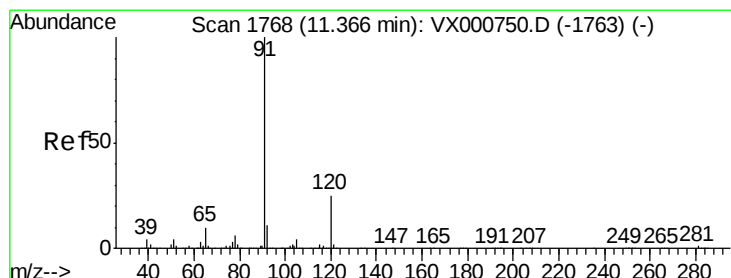
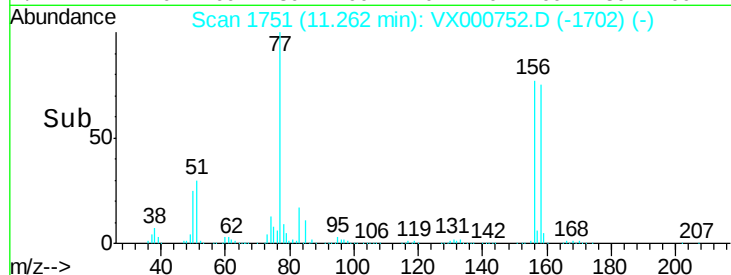
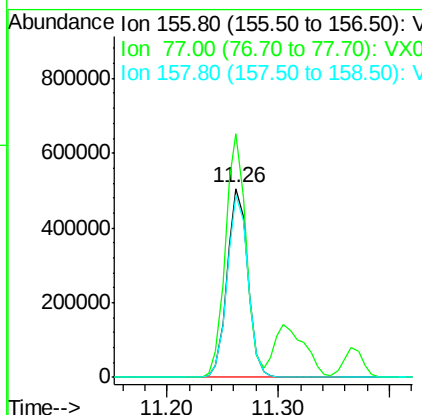
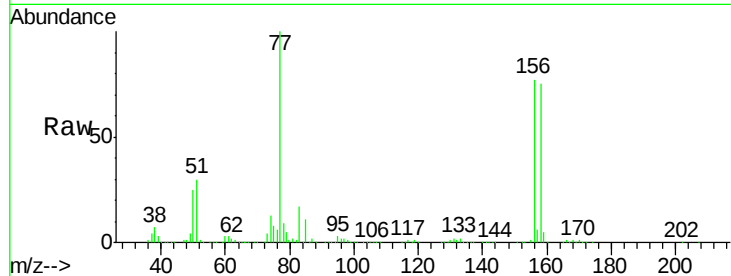
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		645887		
77	129.2	68.3	205.1		
158	97.4	49.1	147.3		

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#78

n-propylbenzene

Concen: 148.47 ug/l

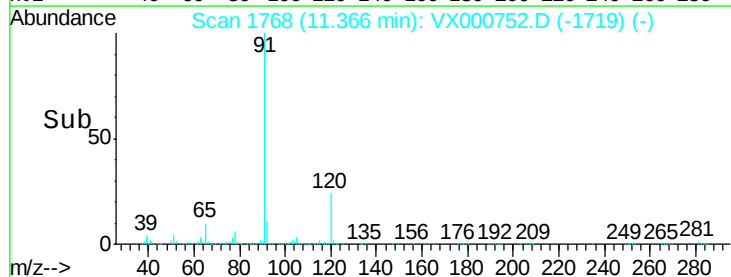
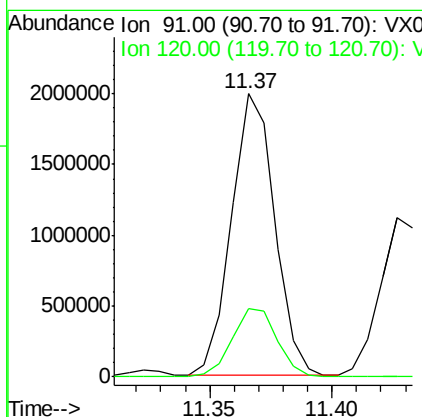
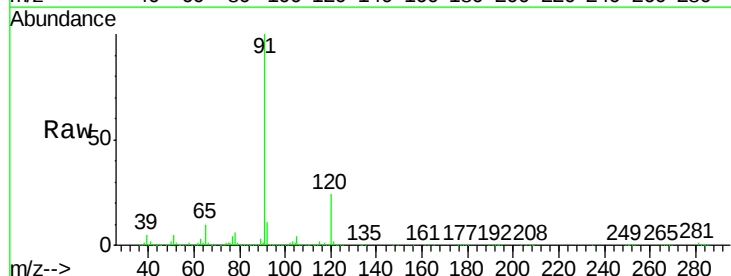
RT: 11.37 min Scan# 1768

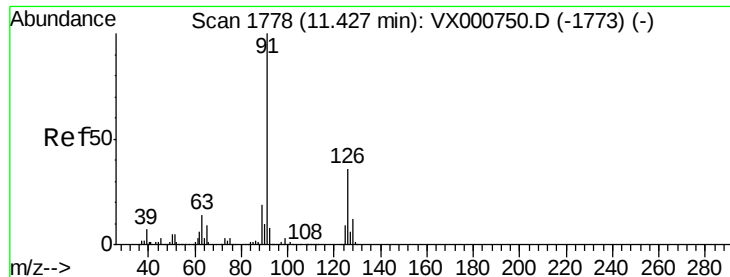
Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2446009		
120	25.3	12.5	37.5		





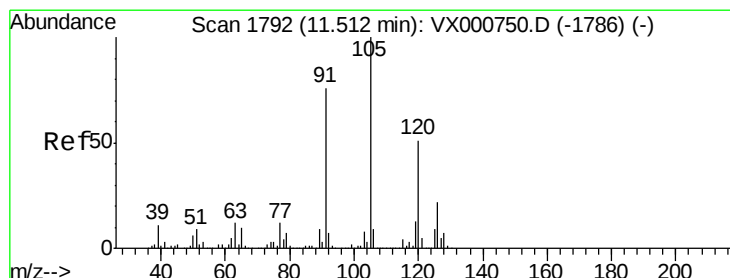
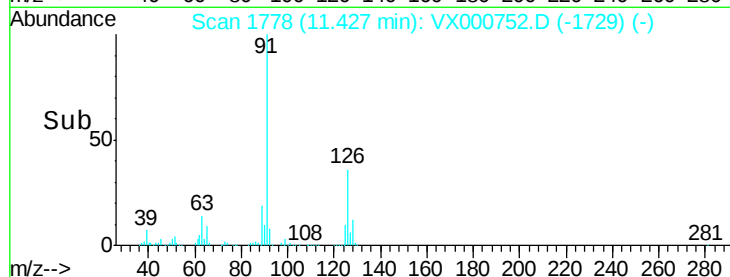
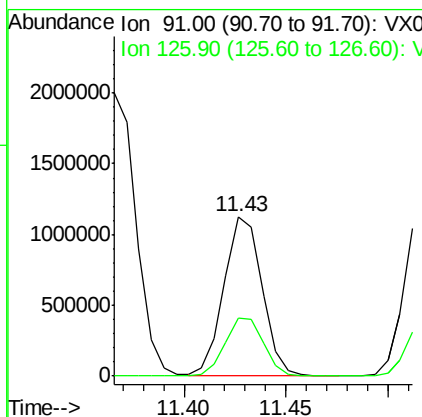
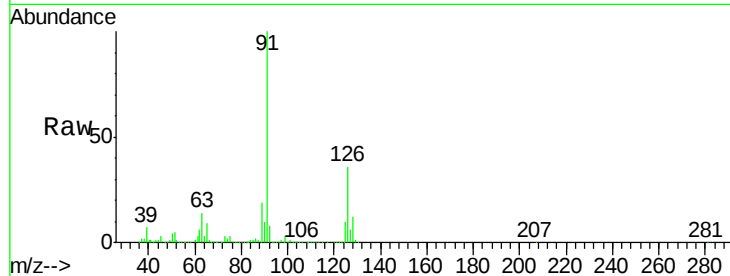
#79
 2-Chlorotoluene
 Concen: 147.63 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion: 91 Resp: 1450670
 Ion Ratio Lower Upper
 91 100
 126 37.4 18.3 54.9

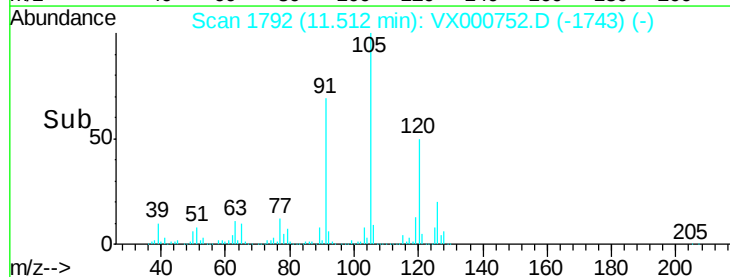
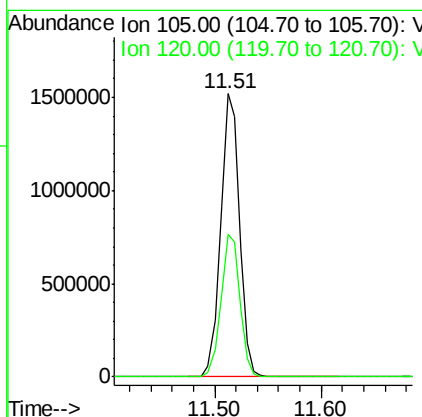
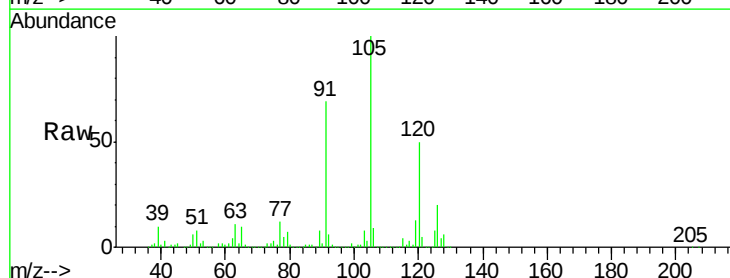
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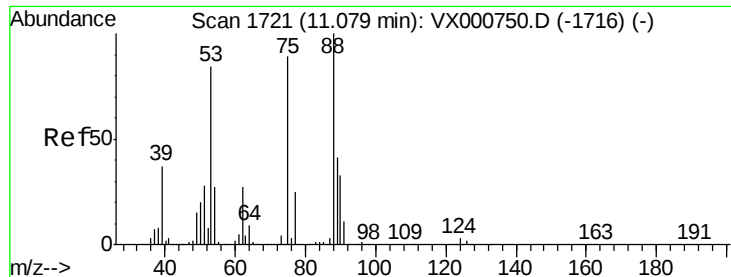
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 150.08 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Tgt Ion: 105 Resp: 1866537
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.1 75.3





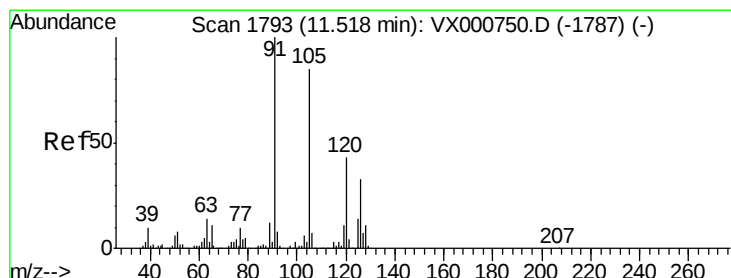
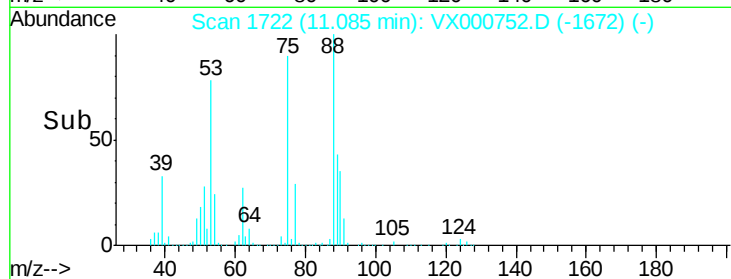
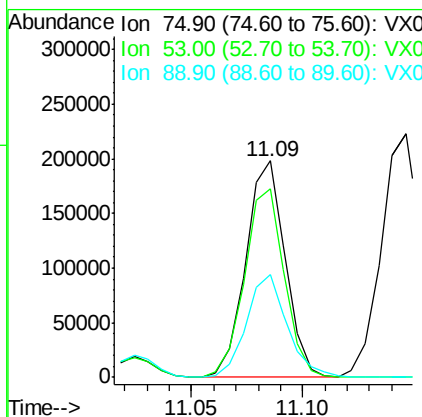
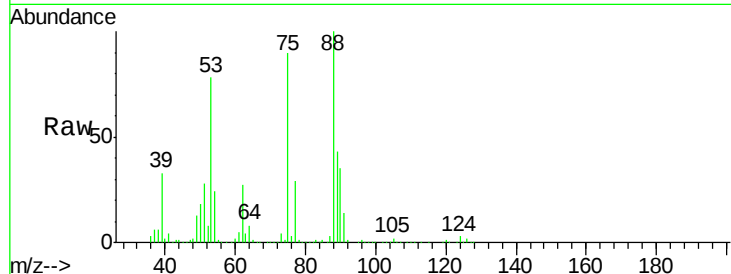
#81
trans-1,4-Dichloro-2-butene
Concen: 154.39 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	74.2	111.2
89	49.6	46.6	69.8

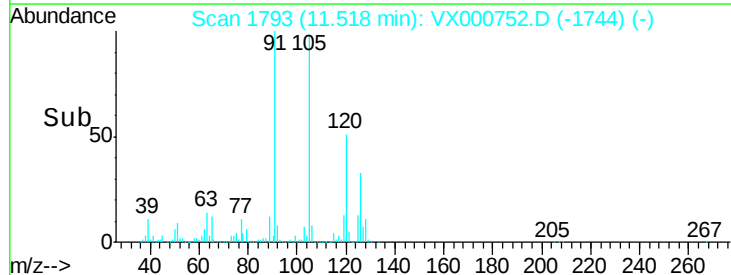
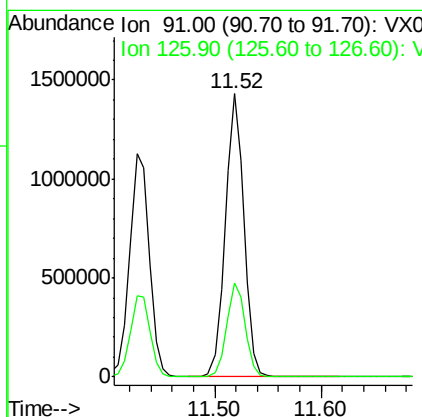
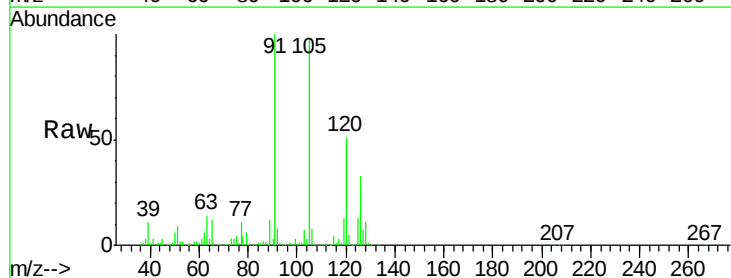
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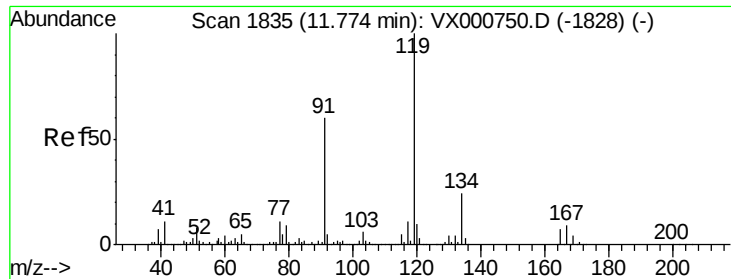
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#82
4-Chlorotoluene
Concen: 148.62 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.0	48.0





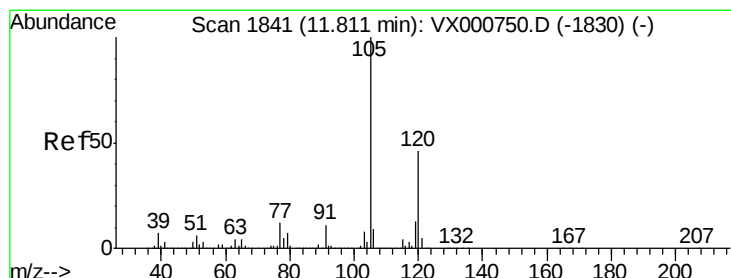
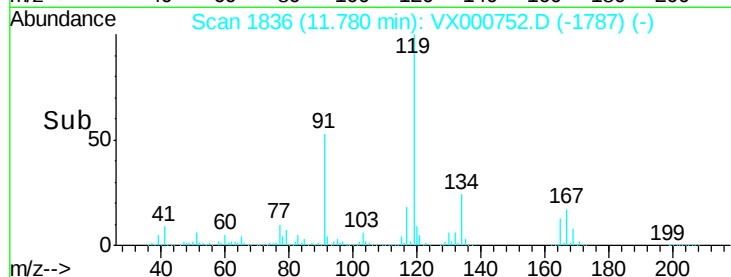
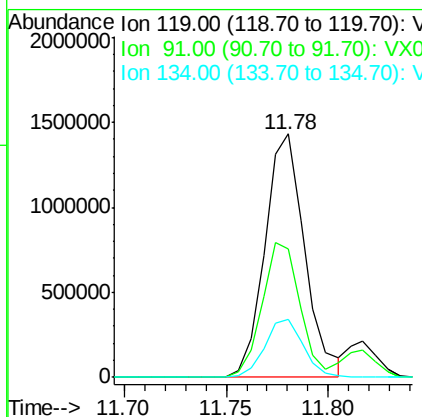
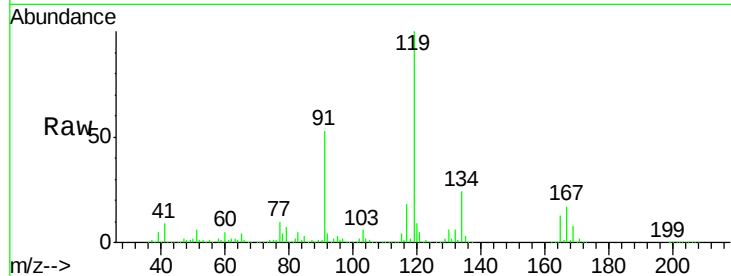
#83
 tert-Butylbenzene
 Concen: 152.96 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	52.7	27.3	81.8
134	23.0	11.5	34.4

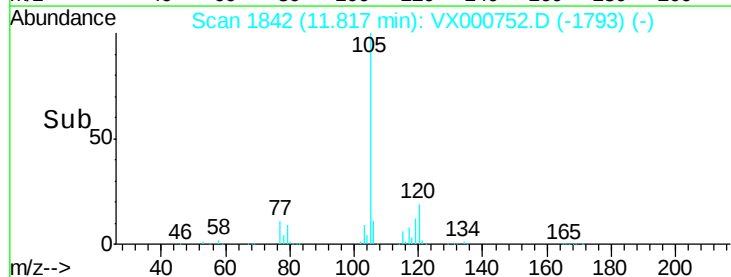
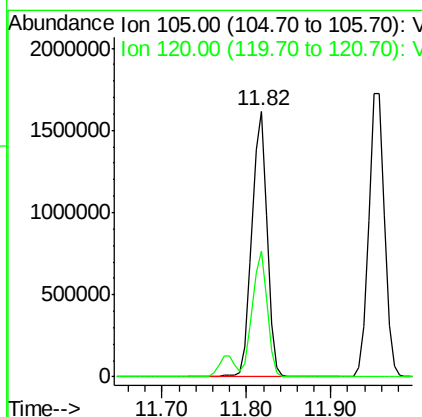
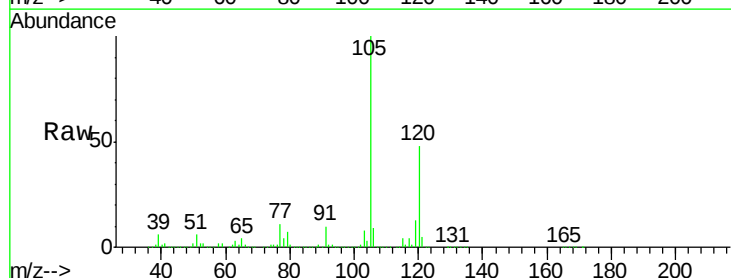
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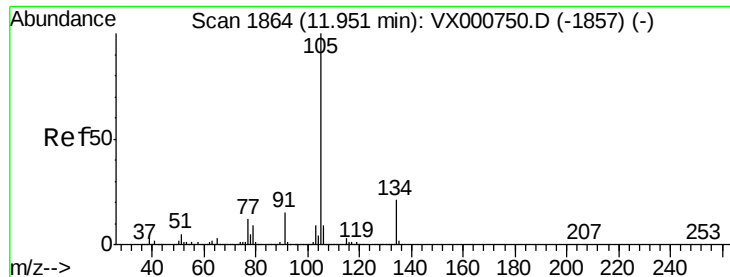
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#84
 1,2,4-Trimethylbenzene
 Concen: 151.04 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.9	68.5





#85

sec-Butylbenzene

Concen: 151.21 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2255985

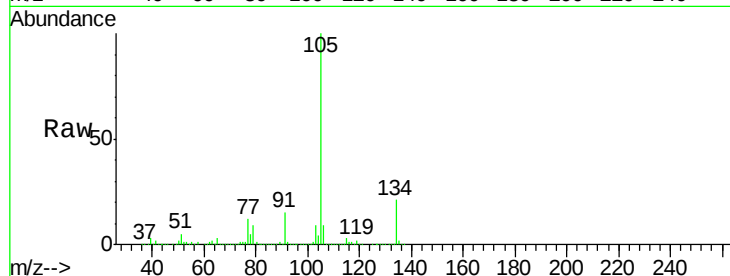
Ion Ratio Lower Upper

105 100

134 21.7 10.7 32.1

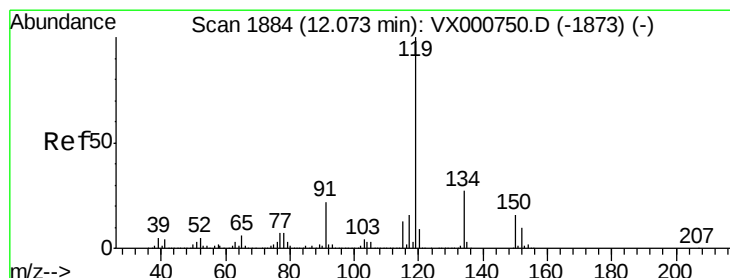
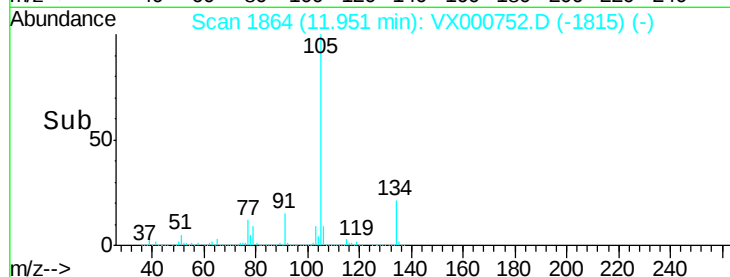
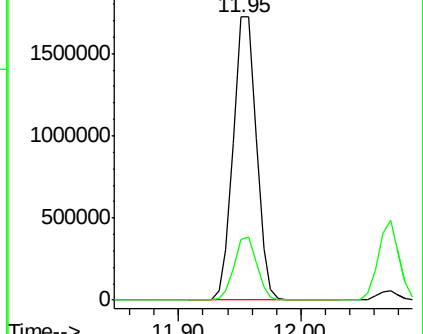
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 152.37 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

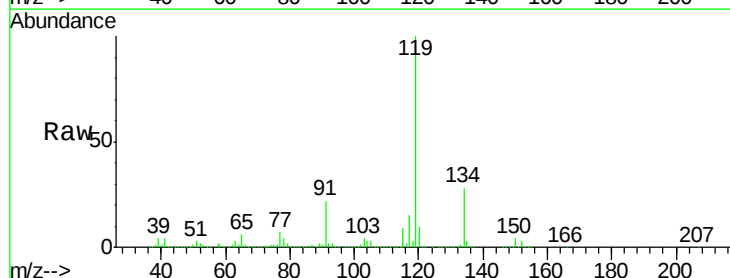
Tgt Ion:119 Resp: 2125514

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

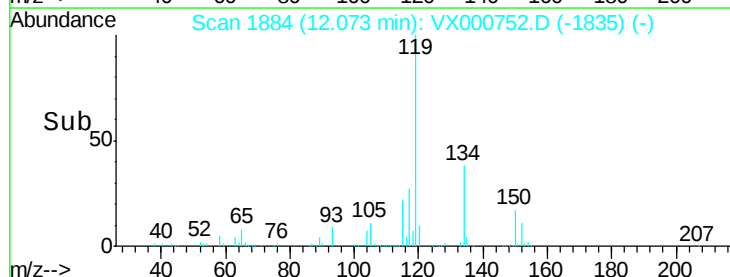
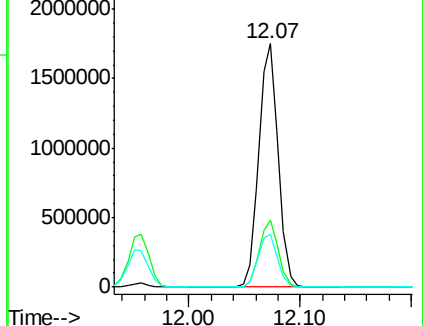
91 22.1 11.5 34.4

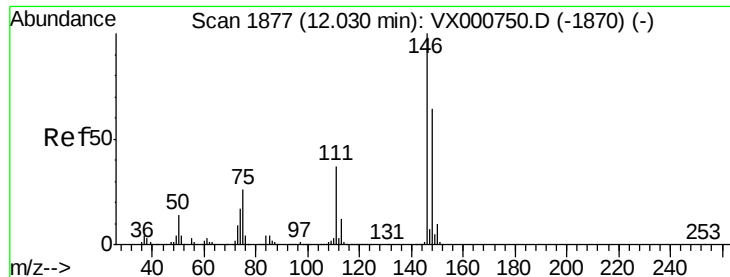


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 156.42 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1193560

Ion Ratio Lower Upper

146 100

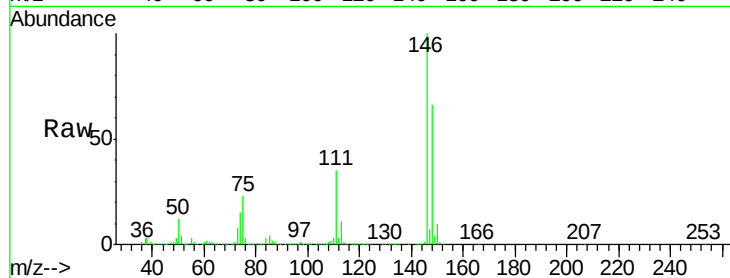
111 36.5 18.6 55.8

148 64.4 32.0 96.2

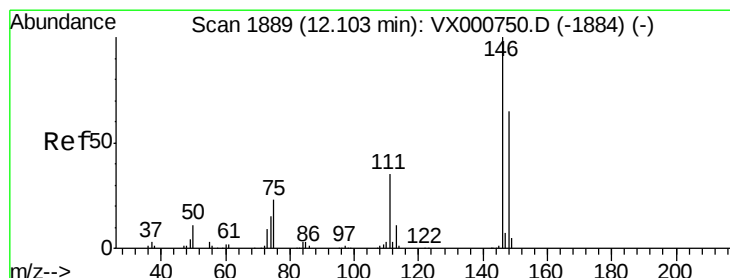
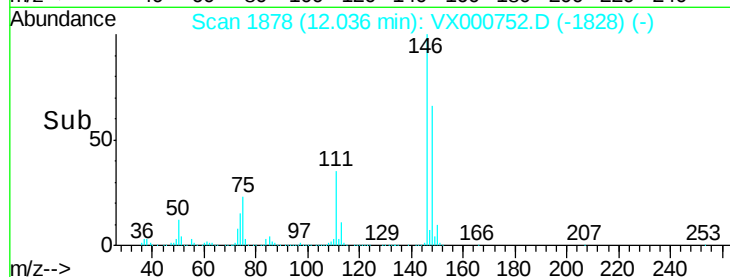
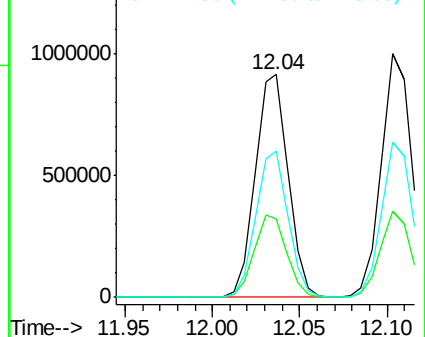
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 155.69 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

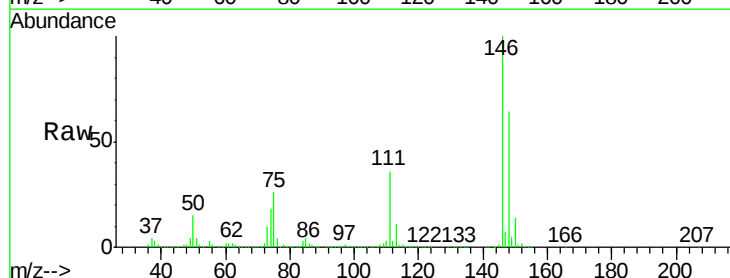
Tgt Ion:146 Resp: 1217679

Ion Ratio Lower Upper

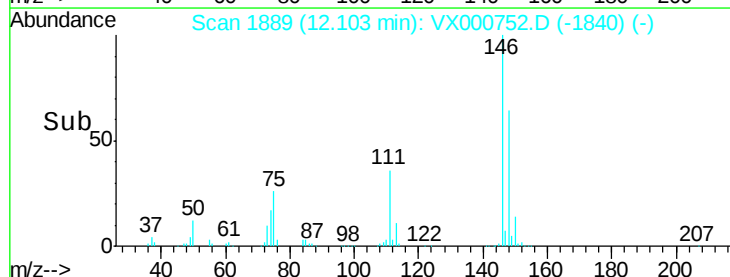
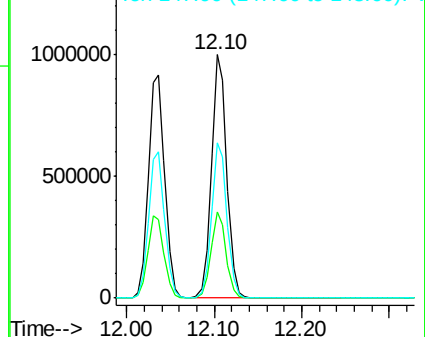
146 100

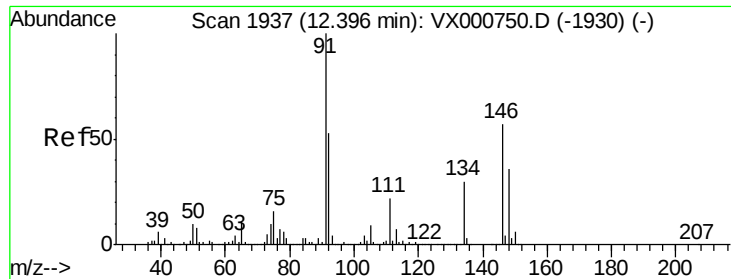
111 35.1 18.2 54.6

148 64.2 32.1 96.5



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





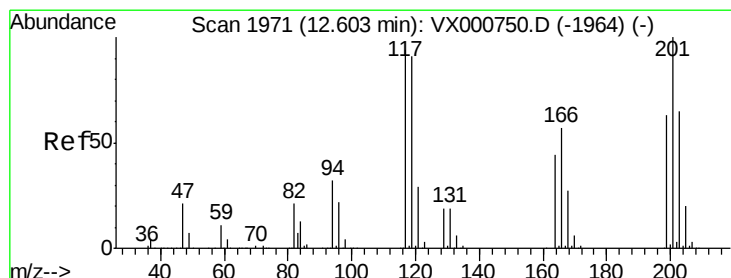
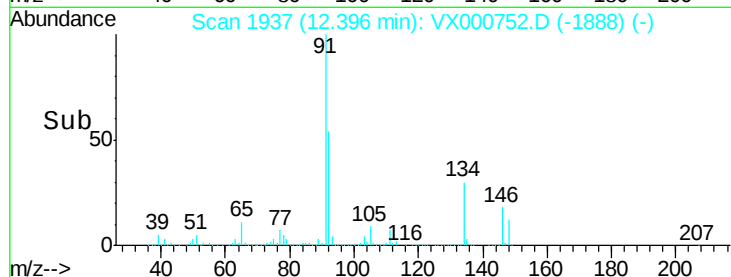
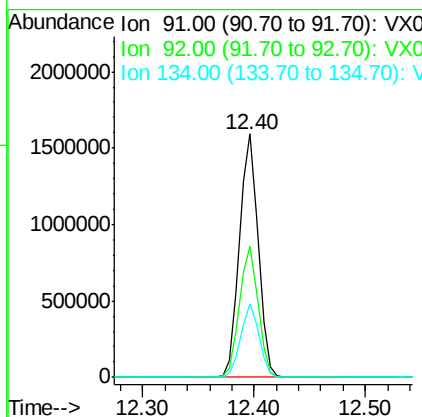
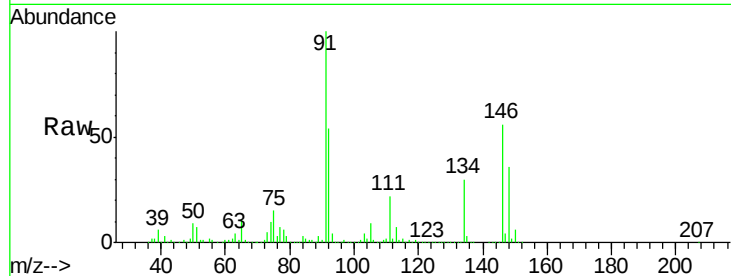
#89
n-Butylbenzene
Concen: 148.86 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1854932
Ion Ratio Lower Upper
91 100
92 53.7 26.7 80.0
134 29.5 14.4 43.0

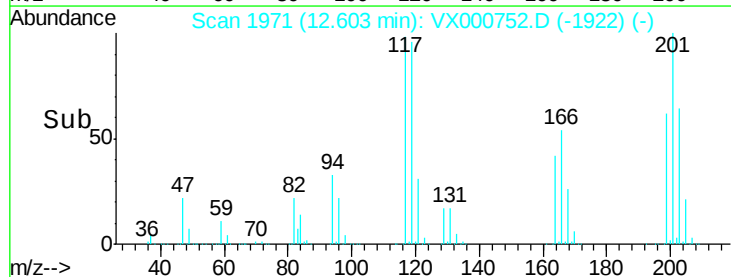
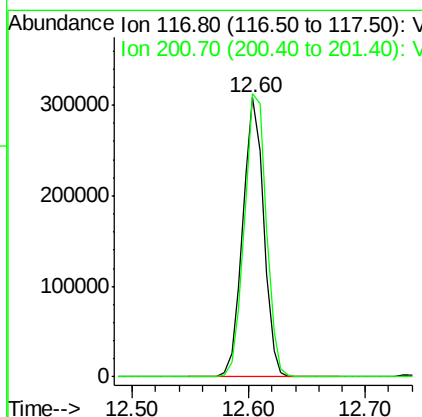
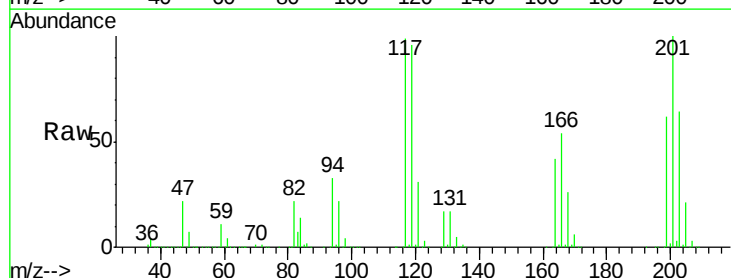
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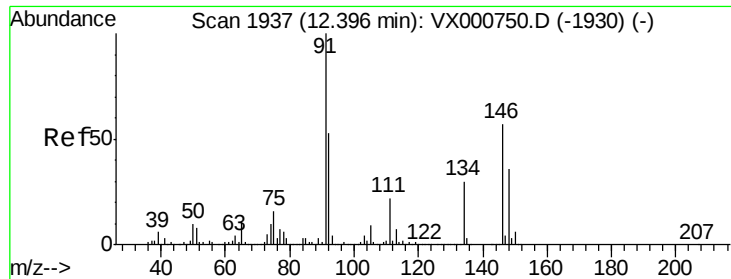
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#90
Hexachloroethane
Concen: 153.27 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000752.D
Acq: 10 Apr 2018 15:28

Tgt Ion: 117 Resp: 388223
Ion Ratio Lower Upper
117 100
201 106.4 51.2 153.6





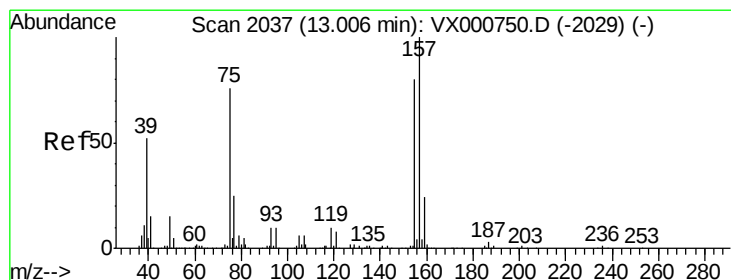
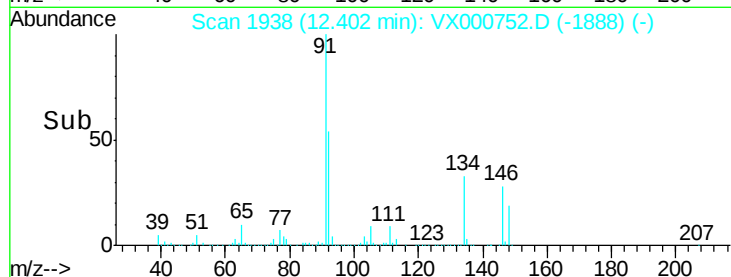
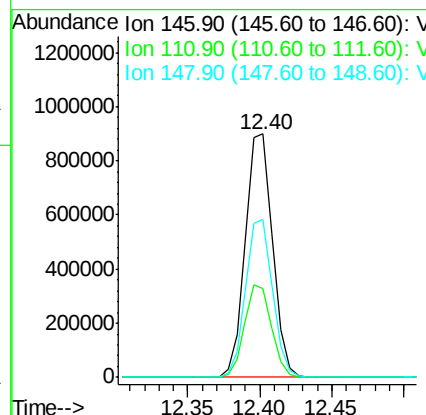
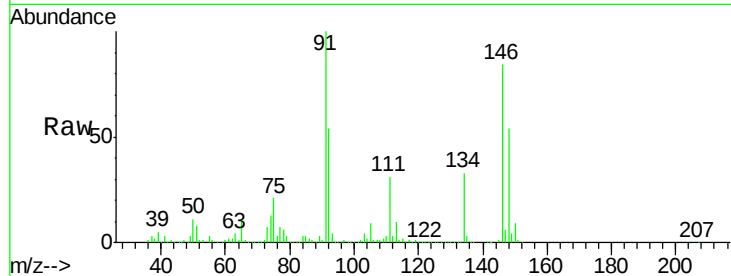
#91
 1,2-Dichlorobenzene
 Concen: 158.07 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.01 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.3	57.9
148	64.5	31.9	95.7

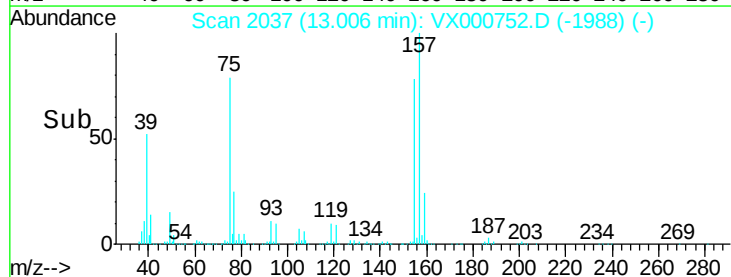
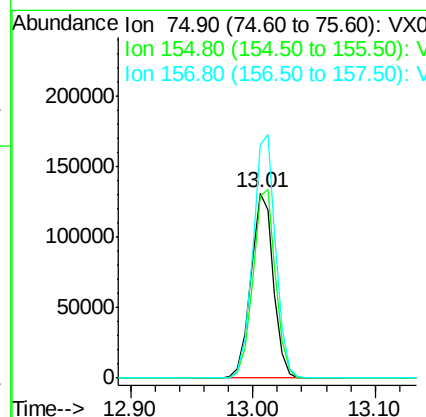
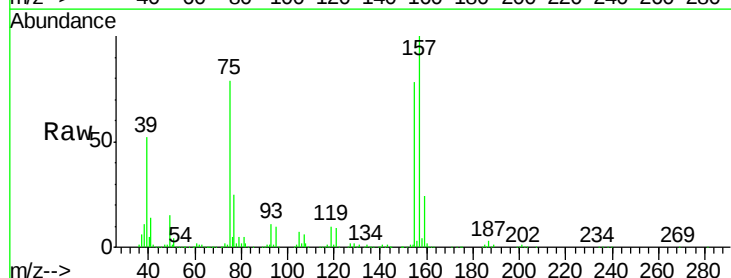
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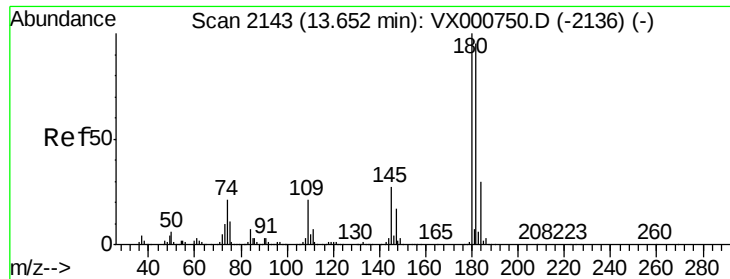
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 148.31 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.3	48.4	145.0
157	133.2	62.8	188.5





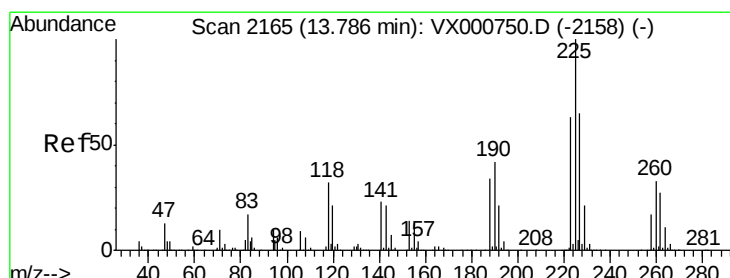
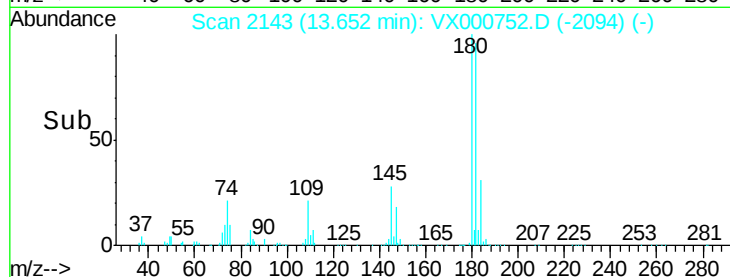
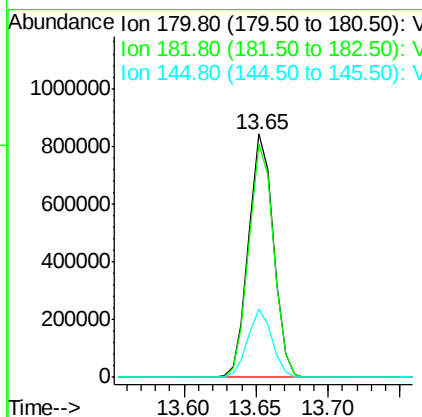
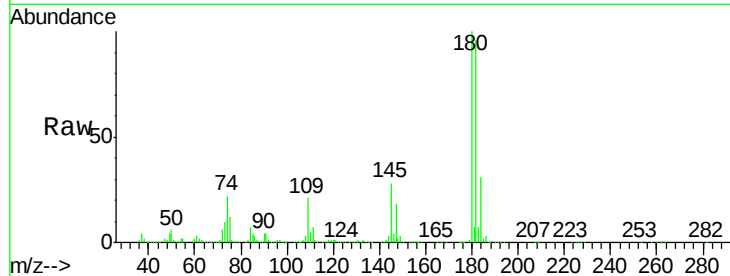
#93
 1,2,4-Trichlorobenzene
 Concen: 157.82 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	27.6	14.1	42.3

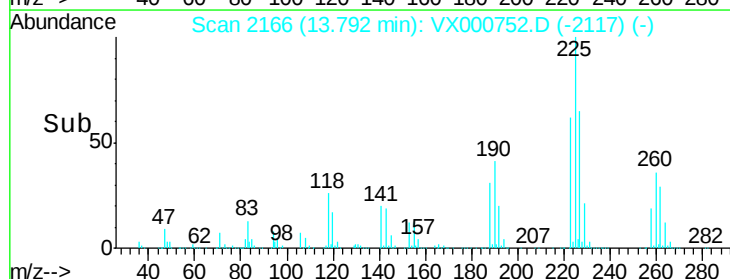
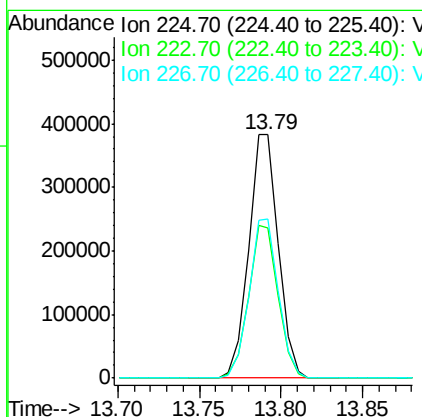
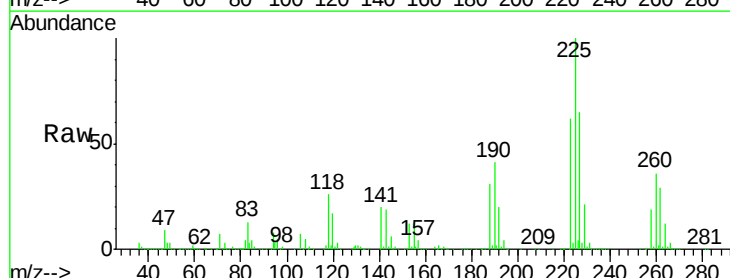
Manual Integrations
 APPROVED

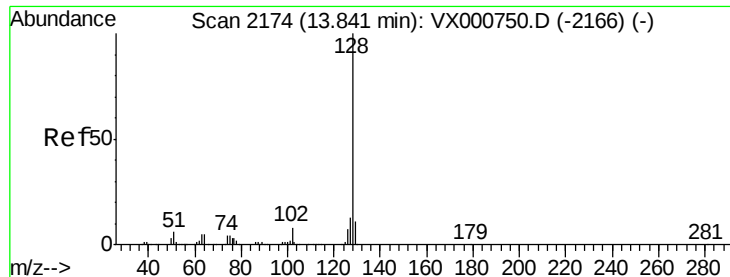
MMDadoda
 4/11/2018 11:20:45 AM



#94
 Hexachlorobutadiene
 Concen: 155.36 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000752.D
 Acq: 10 Apr 2018 15:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.9	92.8
227	64.5	31.9	95.7





#95

Naphthalene

Concen: 157.47 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2613190

Ion Ratio Lower Upper

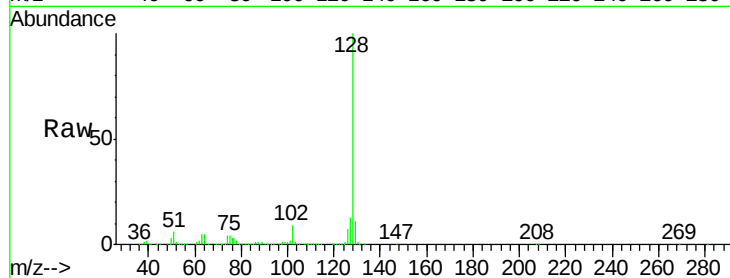
128 100

127 13.0 10.4 15.6

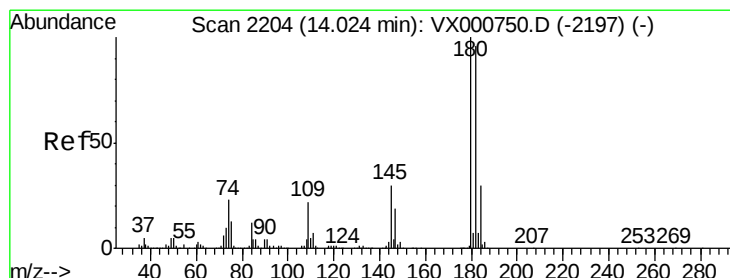
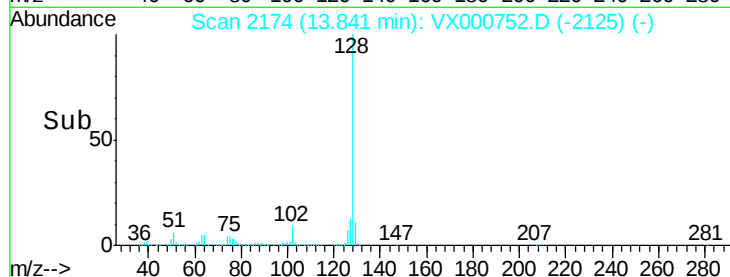
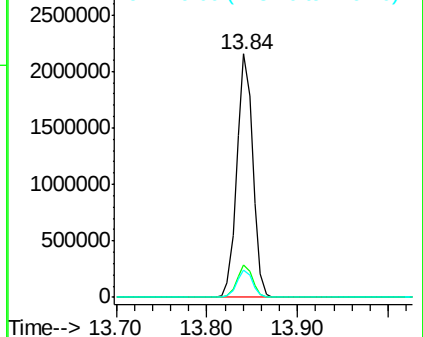
129 11.1 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:45 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 159.99 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000752.D

Acq: 10 Apr 2018 15:28

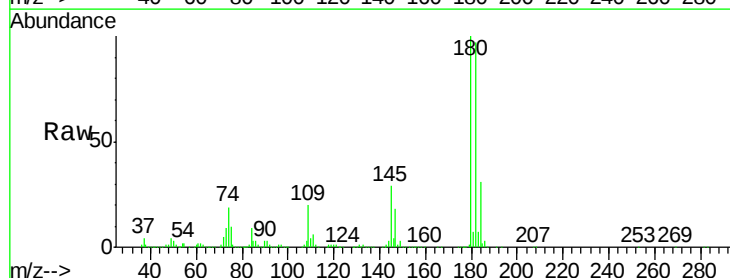
Tgt Ion:180 Resp: 978276

Ion Ratio Lower Upper

180 100

182 96.1 47.8 143.3

145 29.2 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

