

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\
 Data File : VX000572.D
 Acq On : 30 Mar 2018 20:30
 Operator : JC/MD
 Sample : VX0330WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBSD01

Manual Integrations
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 4/4/2018 6:11:31 PM

Quant Time: Apr 04 11:21:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	164550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	278902	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	110998	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
35) Dibromofluoromethane	5.51	113	85572	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	8.73	98	364194	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.15	95	141627	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28319	15.62	ug/l	95
3) Chloromethane	1.32	50	30412	15.92	ug/l	97
4) Vinyl Chloride	1.41	62	42777	21.19	ug/l	95
5) Bromomethane	1.64	94	39490	16.37	ug/l	94
6) Chloroethane	1.73	64	30361	26.56	ug/l	93
7) Trichlorofluoromethane	1.93	101	84306	23.14	ug/l	99
8) Diethyl Ether	2.20	74	31412	24.12	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47023	23.14	ug/l	94
10) Methyl Iodide	2.52	142	65415	33.99	ug/l	97
11) Tert butyl alcohol	3.08	59	92713	125.48	ug/l	98
12) 1,1-Dichloroethene	2.38	96	45023	25.24	ug/l	88
13) Acrolein	2.30	56	55369	235.60	ug/l	97
14) Allyl chloride	2.73	41	70488	22.32	ug/l	97
15) Acrylonitrile	3.16	53	173439	115.90	ug/l	99
16) Acetone	2.45	43	192263	107.60	ug/l	97
17) Carbon Disulfide	2.57	76	108733	22.93	ug/l	97
18) Methyl Acetate	2.79	43	84923	22.67	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	155027	23.50	ug/l	96
20) Methylene Chloride	2.86	84	51714	25.06	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	47732	23.99	ug/l	98
22) Diisopropyl ether	3.88	45	93881	16.84	ug/l	94
23) Vinyl Acetate	3.84	43	441742	83.57	ug/l	100
24) 1,1-Dichloroethane	3.70	63	50455	14.39	ug/l	98
25) 2-Butanone	4.72	43	195149	97.17	ug/l	99
26) 2,2-Dichloropropane	4.59	77	44799	18.23	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	35678	19.19	ug/l	98
28) Bromochloromethane	5.03	49	28286	19.57	ug/l	99
29) Tetrahydrofuran	5.18	42	122148	98.85	ug/l	100
30) Chloroform	5.23	83	63122	19.21	ug/l	100
31) Cyclohexane	5.58	56	51244	18.91	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	55758	18.81	ug/l	98
36) 1,1-Dichloropropene	5.81	75	47766	18.28	ug/l	99
37) Ethyl Acetate	4.88	43	65410	18.33	ug/l	99
38) Carbon Tetrachloride	5.79	117	46470	16.96	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	55881	17.59	ug/l	94
40) Benzene	6.15	78	139263	18.36	ug/l	98
41) Methacrylonitrile	5.08	41	33793	17.96	ug/l	97
42) 1,2-Dichloroethane	6.21	62	55611	18.68	ug/l	99
43) Isopropyl Acetate	6.48	43	97179	18.29	ug/l	98
44) Trichloroethene	7.22	130	40659	18.71	ug/l	96
45) 1,2-Dichloropropane	7.52	63	36536	18.81	ug/l	100
46) Dibromomethane	7.67	93	28202	18.50	ug/l	98
47) Bromodichloromethane	7.91	83	50317	18.76	ug/l	99
48) Methyl methacrylate	7.79	41	48826	18.93	ug/l	98
49) 1,4-Dioxane	7.77	88	22836	421.26	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	381614	92.81	ug/l	100
52) Toluene	8.79	92	102221	19.27	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	59181	19.04	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	56145	18.62	ug/l	95
55) 1,1,2-Trichloroethane	9.23	97	40765	18.69	ug/l	95
56) Ethyl methacrylate	9.19	69	63122	19.10	ug/l	96
57) 1,3-Dichloropropane	9.38	76	68568	19.65	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.32	63	158566	99.96	ug/l	98
59) 2-Hexanone	9.51	43	331473	94.94	ug/l	100
60) Dibromochloromethane	9.59	129	42006	19.05	ug/l	100
61) 1,2-Dibromoethane	9.68	107	47046	20.11	ug/l	96
64) Tetrachloroethene	9.34	164	42229	18.20	ug/l	98
65) Chlorobenzene	10.15	112	120284	18.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	40749	18.04	ug/l	98
67) Ethyl Benzene	10.26	91	204495	18.13	ug/l	99
68) m/p-Xylenes	10.37	106	160804	36.24	ug/l	99
69) o-Xylene	10.71	106	76870	17.89	ug/l	98
70) Styrene	10.72	104	129878	18.27	ug/l	98
71) Bromoform	10.87	173	32183	17.14	ug/l #	95
73) Isopropylbenzene	11.02	105	212786	18.10	ug/l	100
74) N-amyl acetate	6.48	43	97179	16.77	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	75351	18.12	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	76556m	20.07	ug/l	
77) Bromobenzene	11.26	156	54025	17.25	ug/l	97
78) n-propylbenzene	11.37	91	249071	17.77	ug/l	100
79) 2-Chlorotoluene	11.43	91	143424	17.71	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	179224	18.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	18943	16.08	ug/l	95
82) 4-Chlorotoluene	11.52	91	174165	18.01	ug/l	98
83) tert-Butylbenzene	11.78	119	180408	18.09	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	187835	18.12	ug/l	100
85) sec-Butylbenzene	11.95	105	220522	17.87	ug/l	100
86) p-Isopropyltoluene	12.07	119	201780	18.42	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	106591	18.00	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	111930	18.00	ug/l	97
89) n-Butylbenzene	12.40	91	185272	18.16	ug/l	100
90) Hexachloroethane	12.60	117	24346	14.12	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	108087	18.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20327	17.53	ug/l	97

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ALS Vial : 17 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
VX0330WBSD01

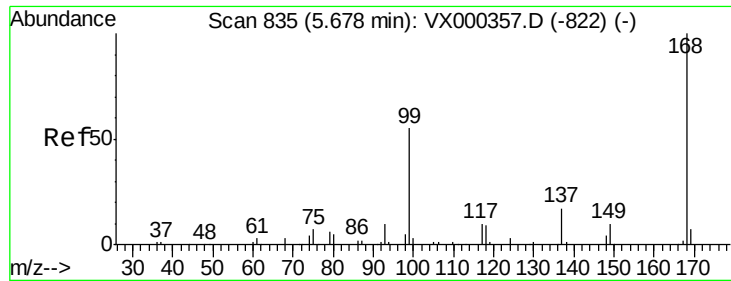
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	76230	18.31	ug/l	99
94) Hexachlorobutadiene	13.79	225	28819	16.72	ug/l	96
95) Naphthalene	13.84	128	274868	18.96	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	76214	18.53	ug/l	98

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



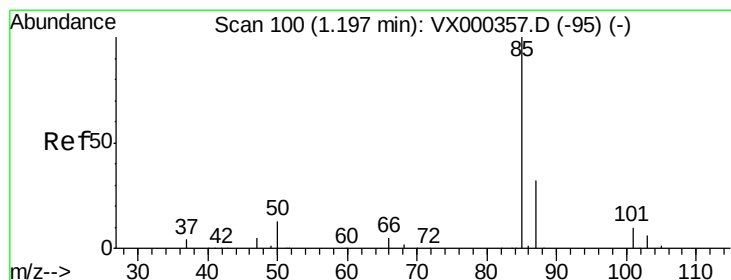
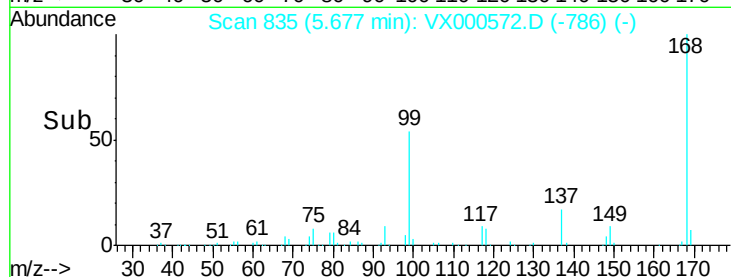
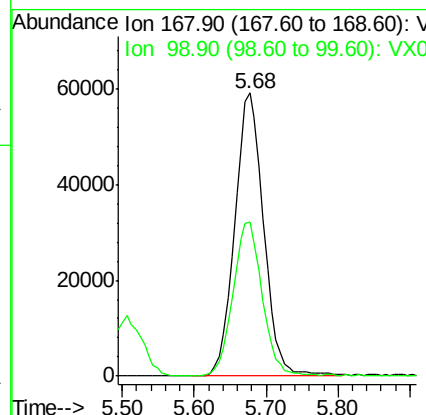
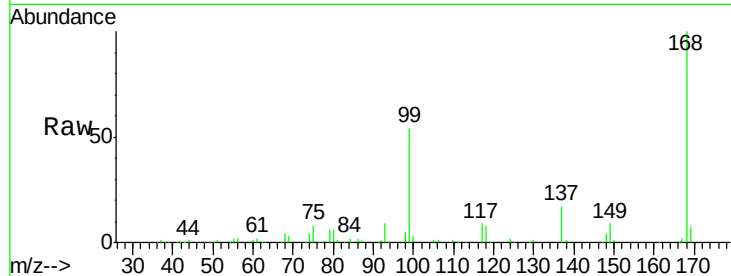
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	164550		
99	54.3	45.8	68.6	

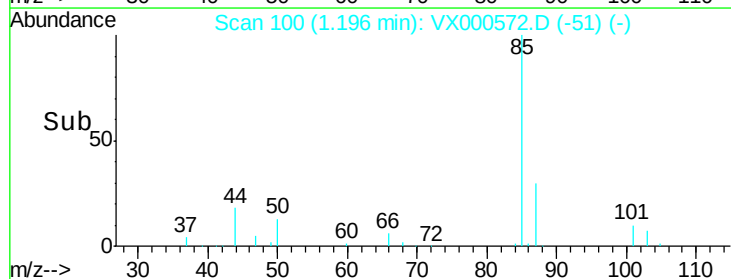
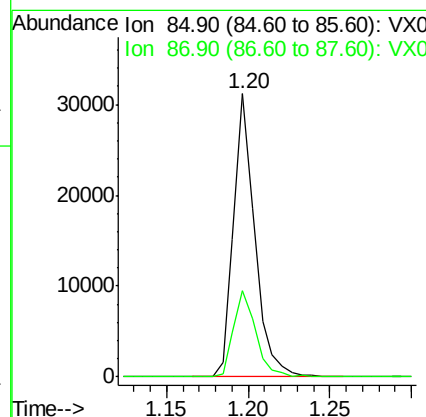
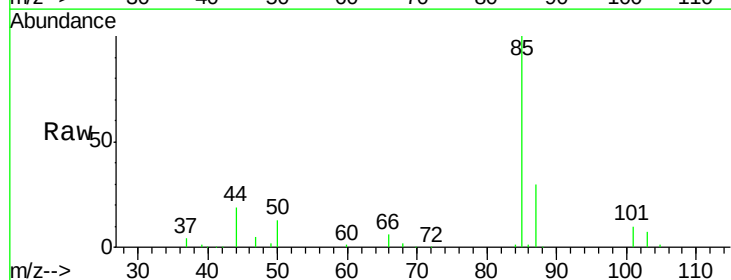
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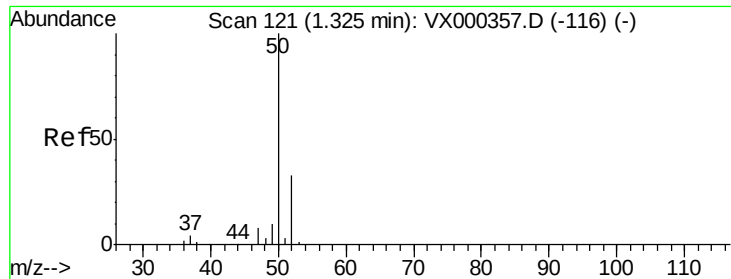
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#2
Dichlorodifluoromethane
Concen: 15.62 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	28319		
87	30.4	16.8	50.3	





#3

Chloromethane

Concen: 15.92 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion: 50 Resp: 30412

Ion Ratio Lower Upper

50 100

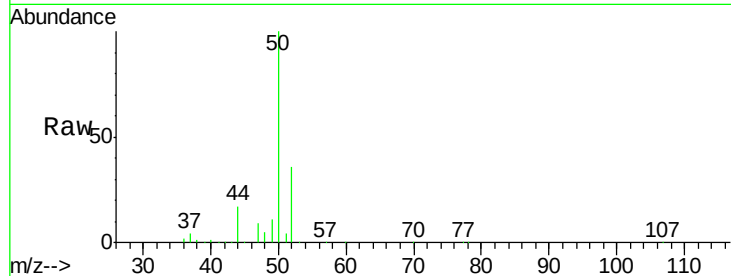
52 36.4 27.5 41.3

Manual Integrations

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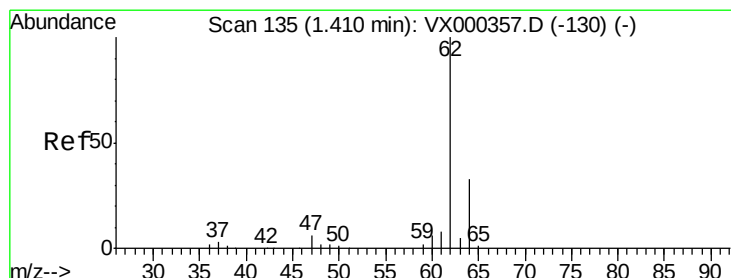
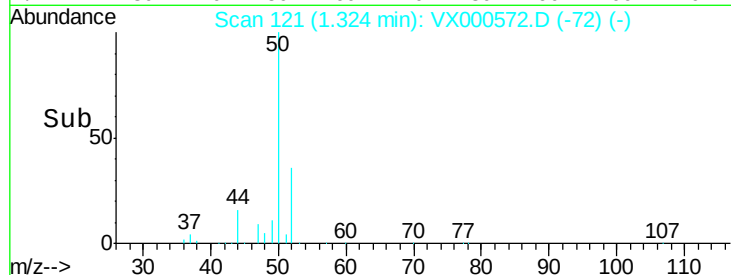
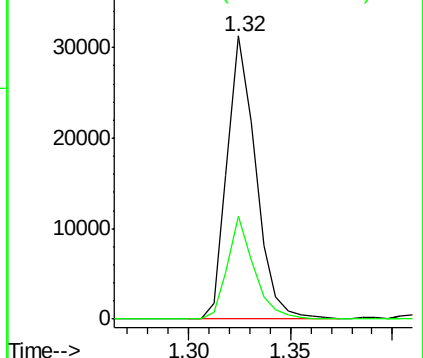
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.19 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000572.D

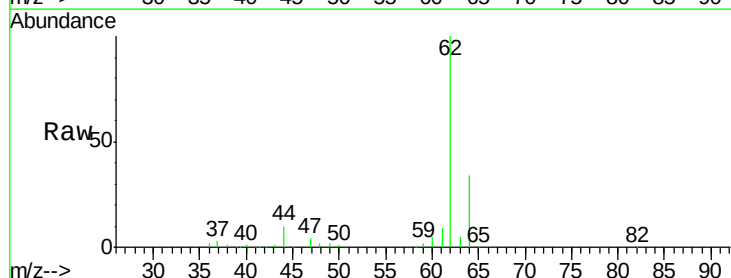
Acq: 30 Mar 2018 20:30

Tgt Ion: 62 Resp: 42777

Ion Ratio Lower Upper

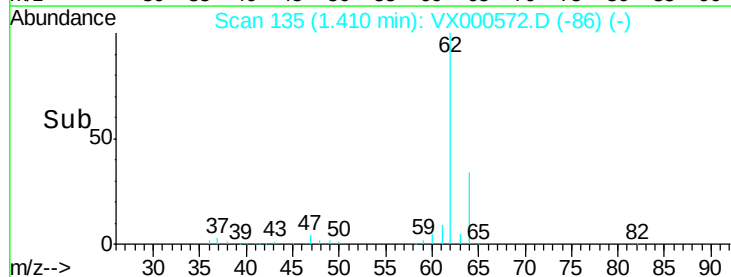
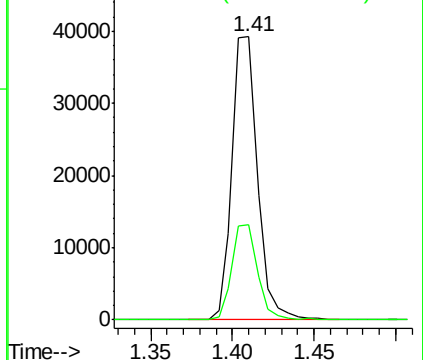
62 100

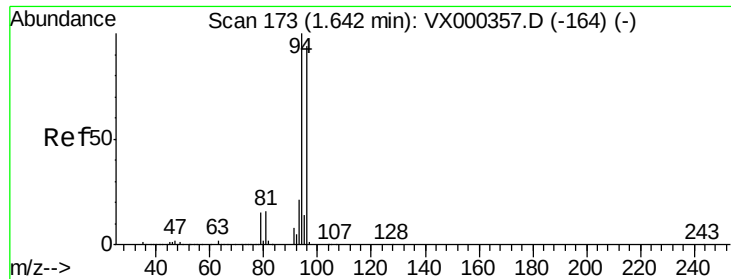
64 33.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.37 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampled :

VX0330WBSD01

Tot Ion: 94 Resp: 39490

Ion Ratio Lower Upper

94 100

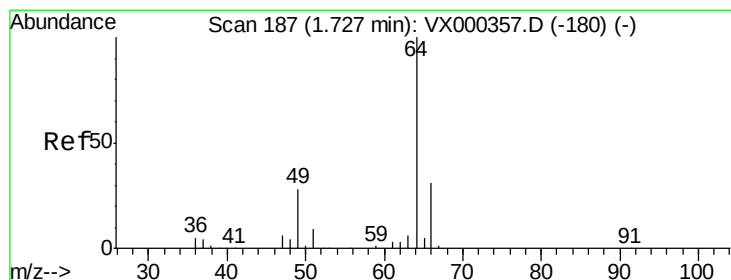
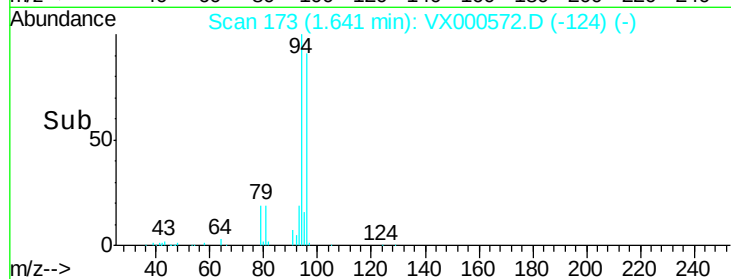
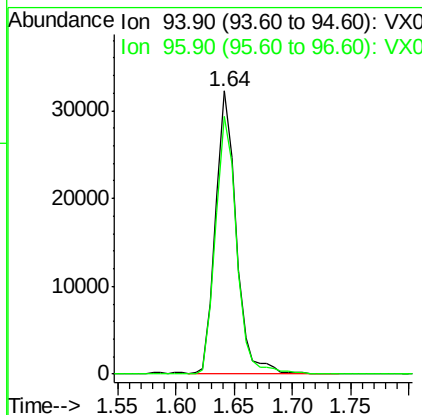
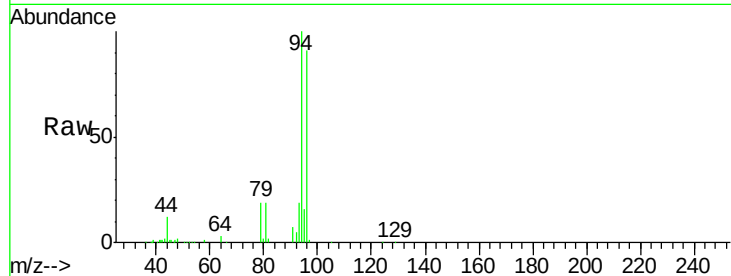
96 91.2 77.7 116.5

Manual Integrations

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#6

Chloroethane

Concen: 26.56 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000572.D

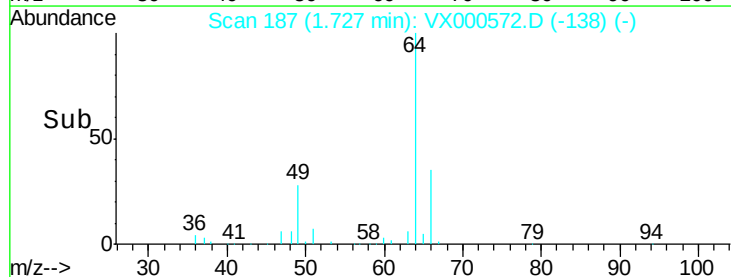
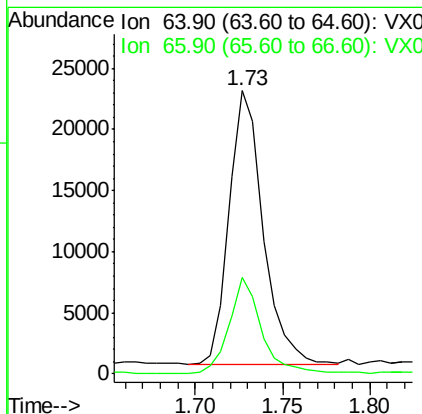
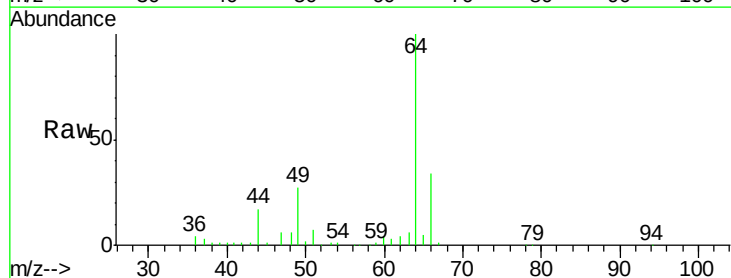
Acq: 30 Mar 2018 20:30

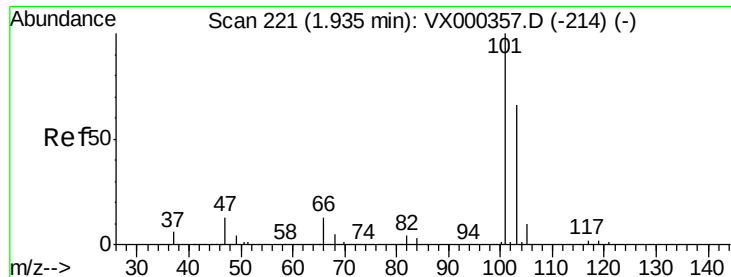
Tgt Ion: 64 Resp: 30361

Ion Ratio Lower Upper

64 100

66 35.0 24.8 37.2





#7

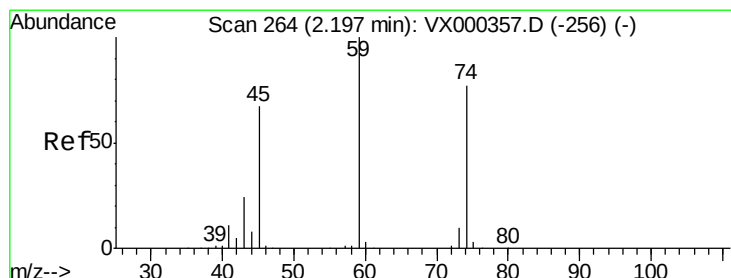
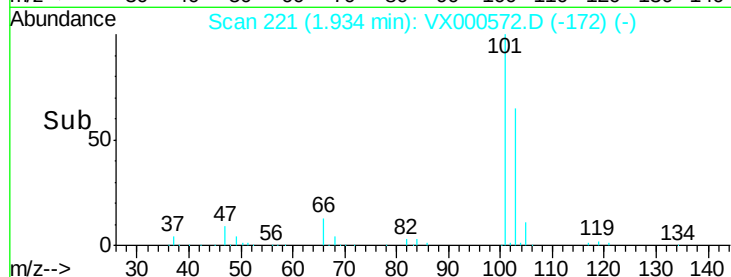
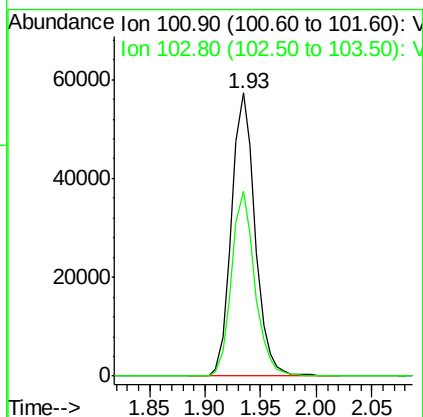
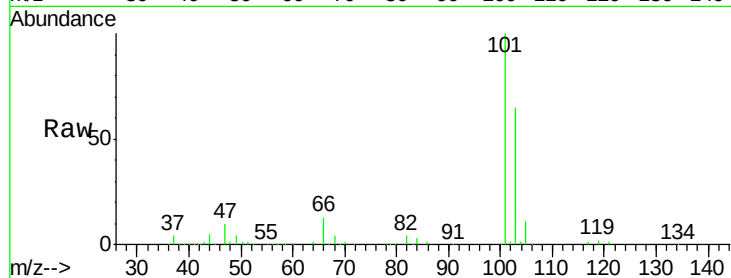
Trichlorofluoromethane
Concen: 23.14 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.6	77.4

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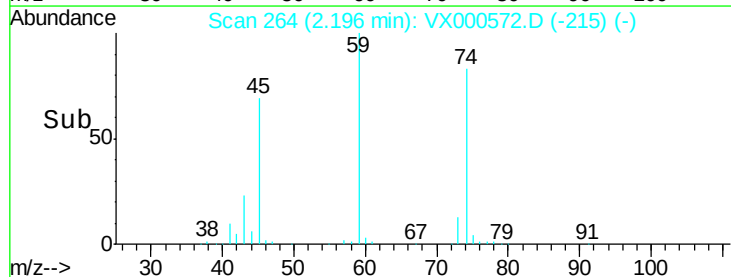
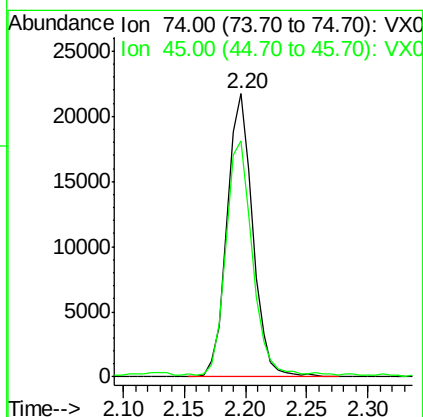
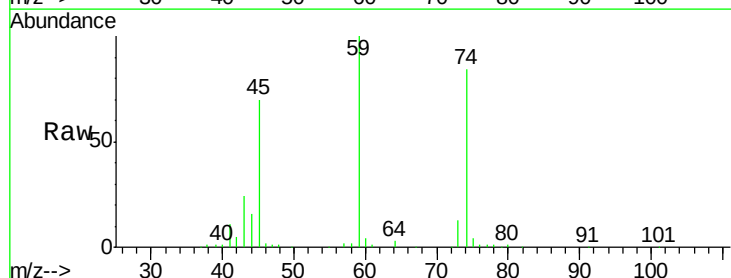
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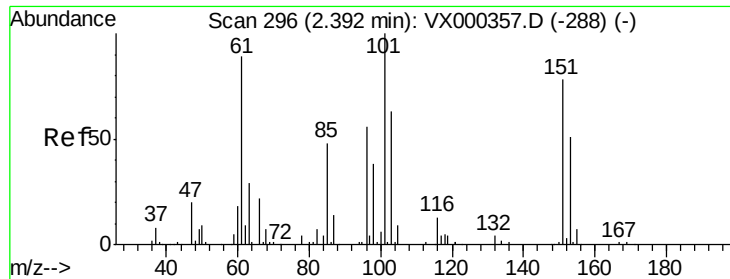


#8

Diethyl Ether
Concen: 24.12 ug/l
RT: 2.20 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.4	45.1	135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.14 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

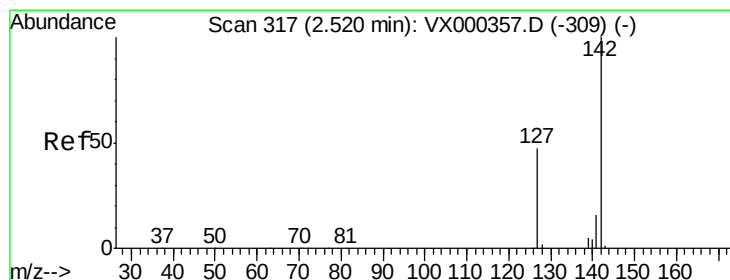
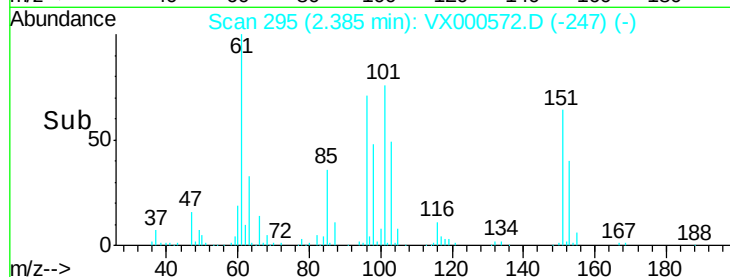
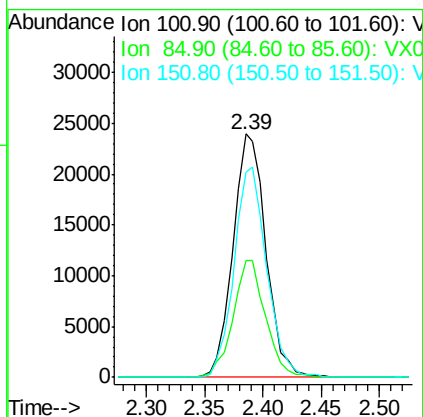
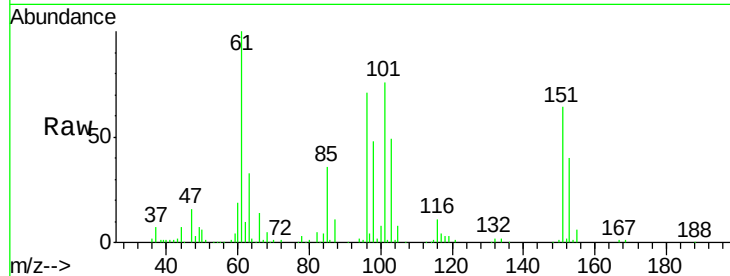
ClientSampleId :

VX0330WBSD01

Tot Ion:	101	Resp:	47023
Ion Ratio	Lower	Upper	
101	100		
85	47.5	37.6	56.4
151	86.4	62.6	93.8

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#10

Methyl Iodide

Concen: 33.99 ug/l

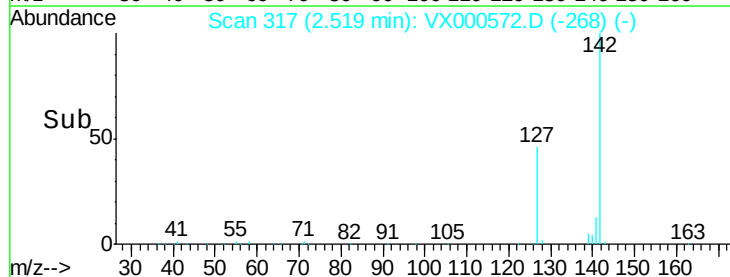
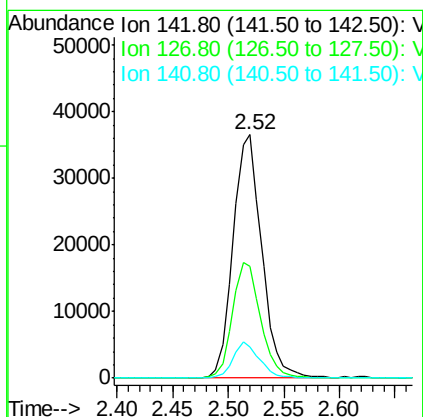
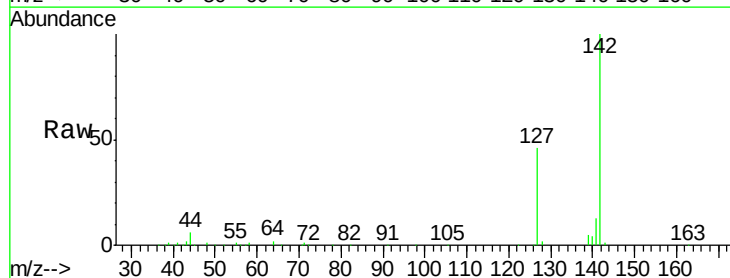
RT: 2.52 min Scan# 317

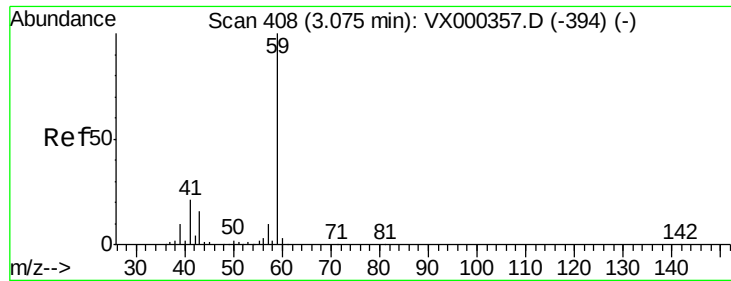
Delta R.T. 0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Tgt Ion:	142	Resp:	65415
Ion Ratio	Lower	Upper	
142	100		
127	46.7	39.2	58.8
141	13.7	11.7	17.5





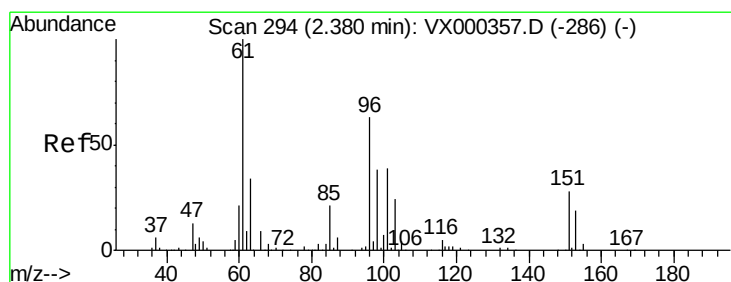
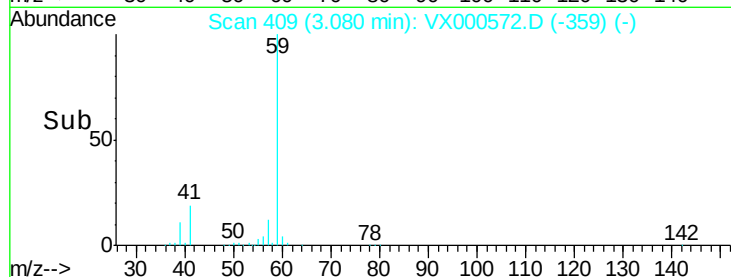
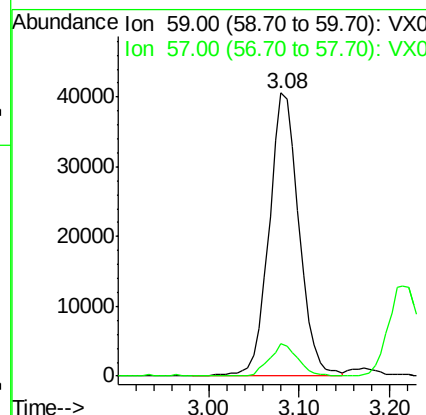
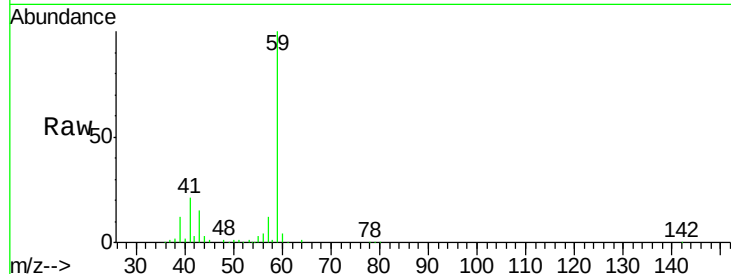
#11
Tert butyl alcohol
Concen: 125.48 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBSD01

Tot Ion	59	Resp	92713
Ion Ratio	100	Lower	Upper
57	11.2	8.4	12.6

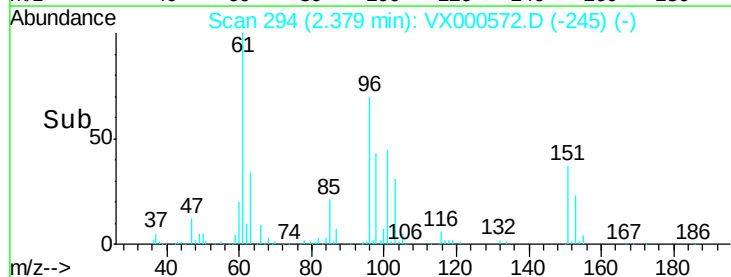
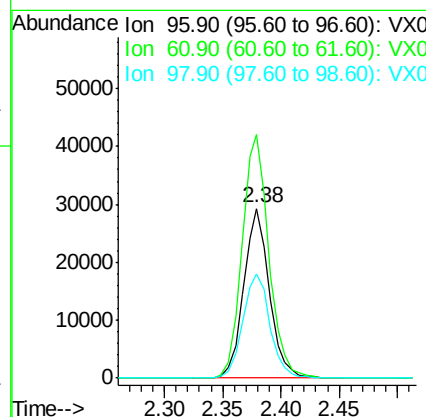
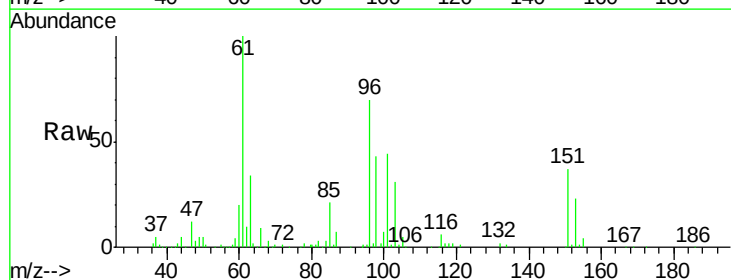
Manual Integrations
APPROVED

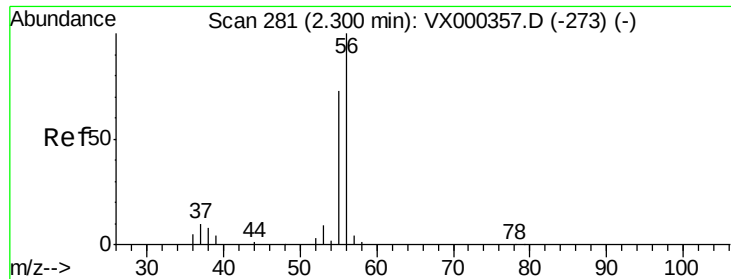
sam
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#12
1,1-Dichloroethene
Concen: 25.24 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	96	Resp	45023
Ion Ratio	100	Lower	Upper
61	143.3	131.2	196.8
98	61.4	49.8	74.8





#13

Acrolein

Concen: 235.60 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion: 56 Resp: 55369

Ion Ratio Lower Upper

56 100

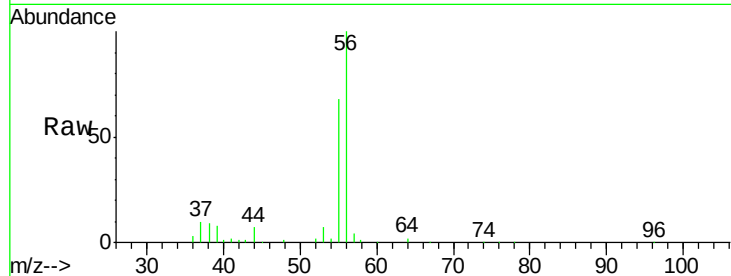
55 70.7 58.8 88.2

Manual Integrations

APPROVED

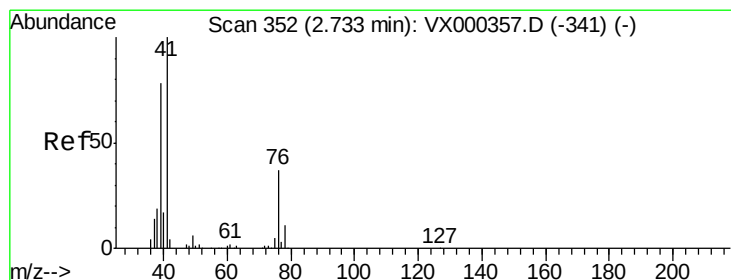
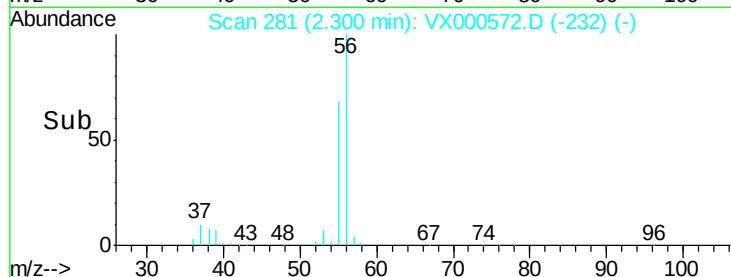
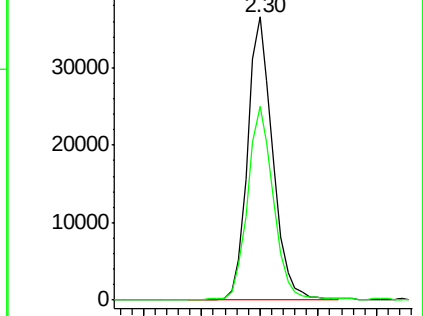
Sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 22.32 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

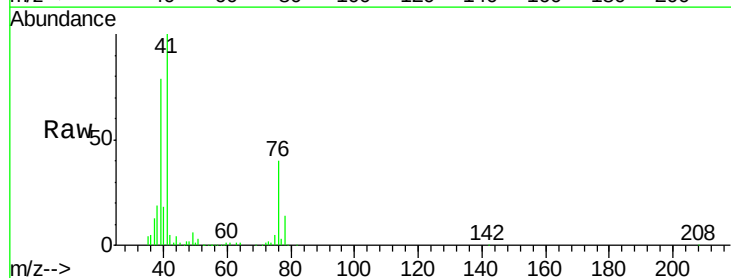
Tgt Ion: 41 Resp: 70488

Ion Ratio Lower Upper

41 100

39 70.6 57.6 86.4

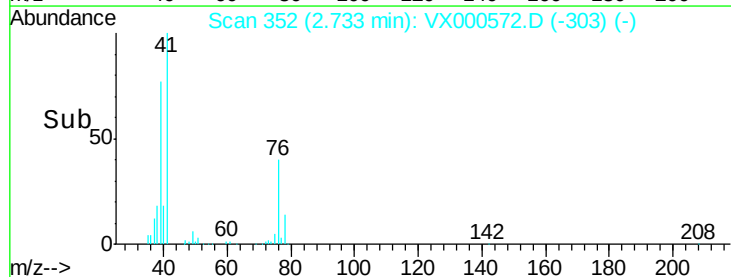
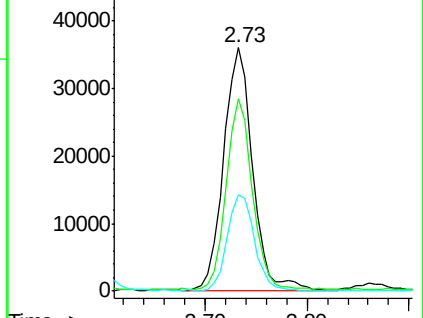
76 37.2 27.3 40.9

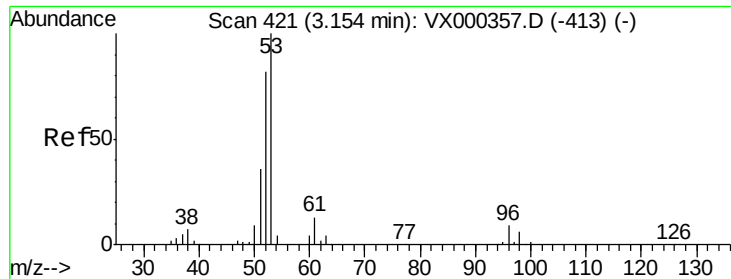


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 115.90 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

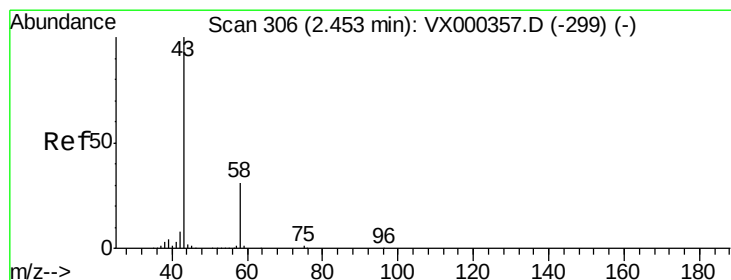
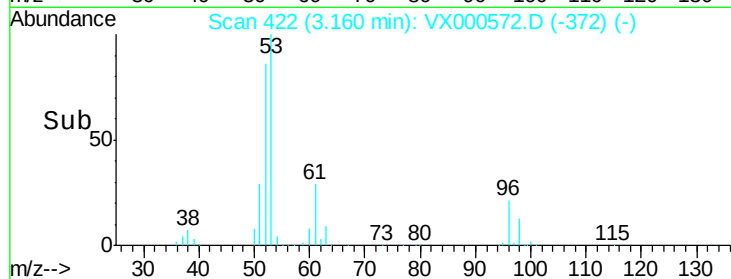
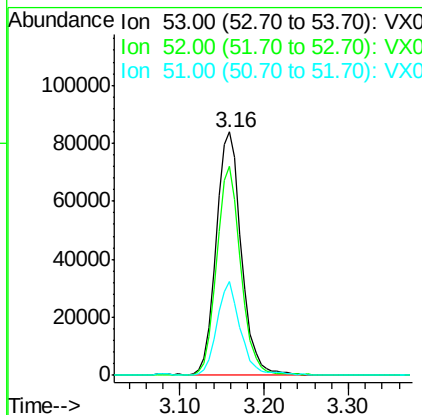
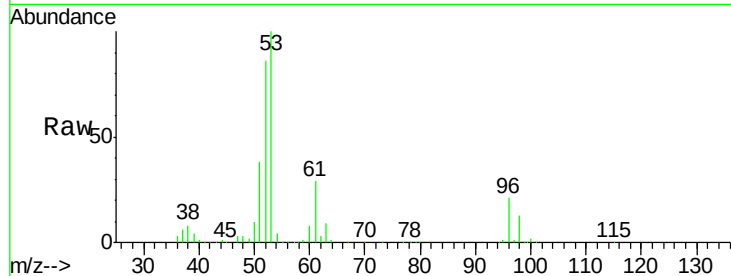
ClientSampleId :

VX0330WBSD01

Tot Ion:	53	Resp:	173439
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.6	99.8
51	36.0	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 107.60 ug/l

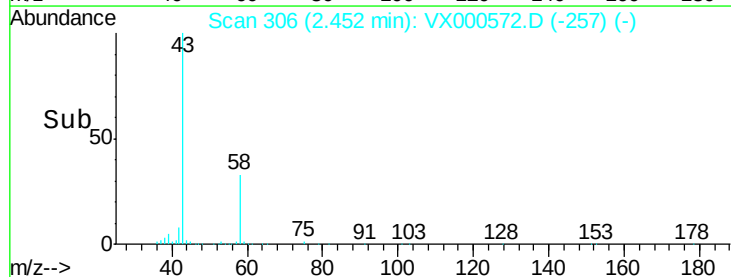
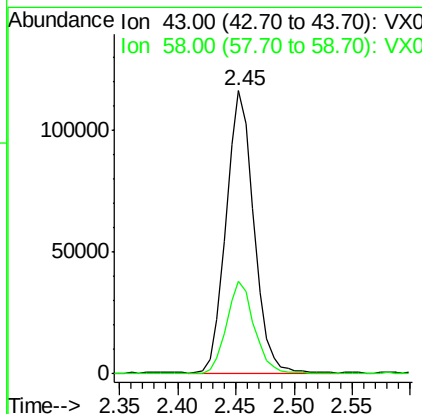
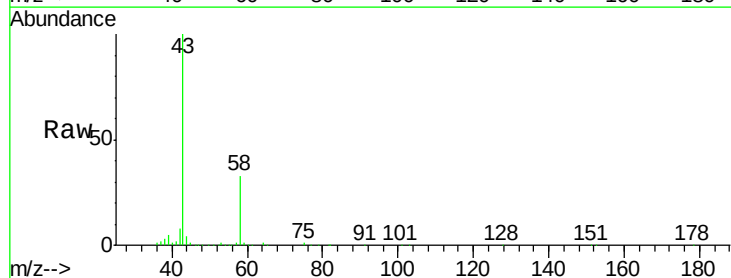
RT: 2.45 min Scan# 306

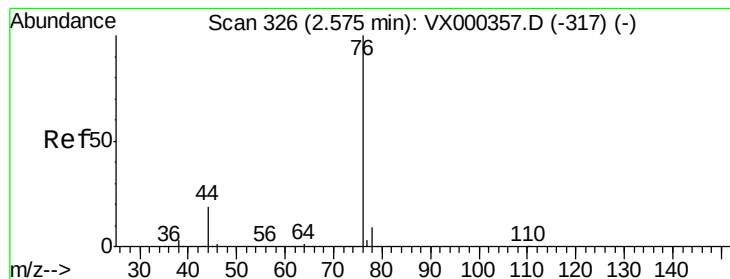
Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Tgt Ion:	43	Resp:	192263
Ion Ratio	Lower	Upper	
43	100		
58	32.5	24.7	37.1





#17

Carbon Disulfide

Concen: 22.93 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion: 76 Resp: 108733

Ion Ratio Lower Upper

76 100

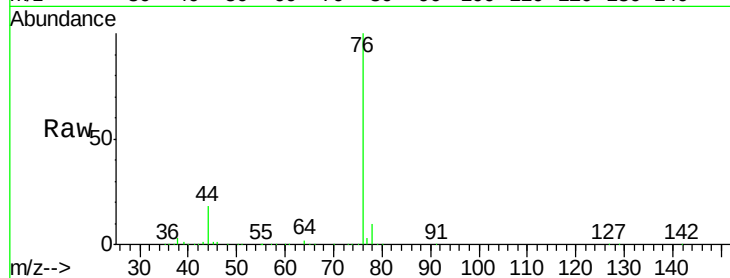
78 10.0 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

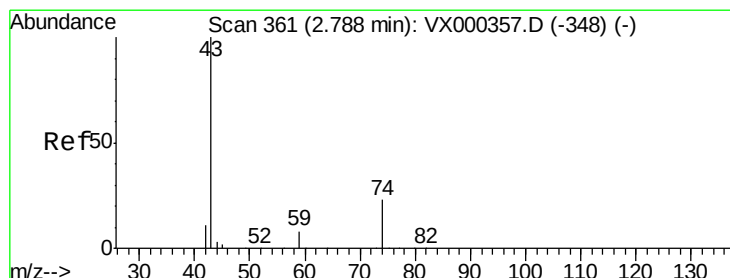
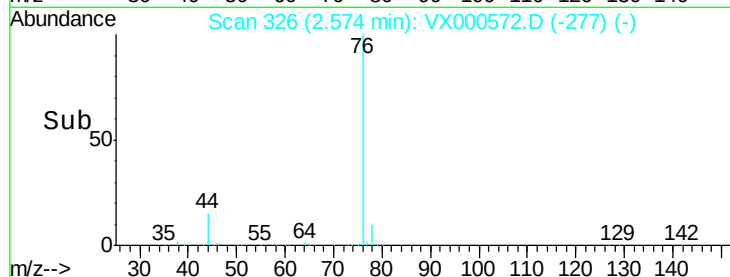
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.67 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX000572.D

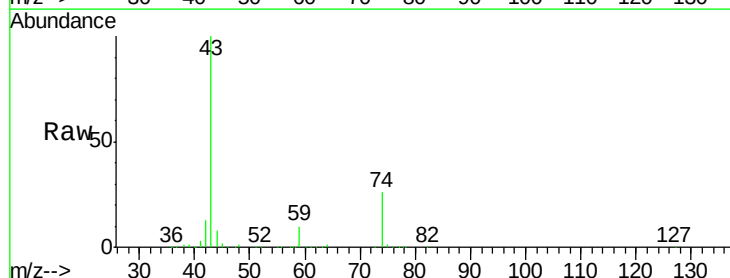
Acq: 30 Mar 2018 20:30

Tgt Ion: 43 Resp: 84923

Ion Ratio Lower Upper

43 100

74 25.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.79

50000

40000

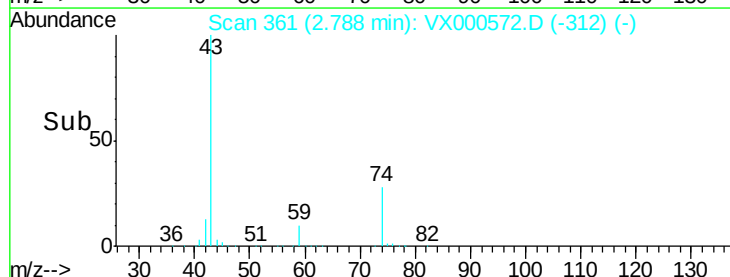
30000

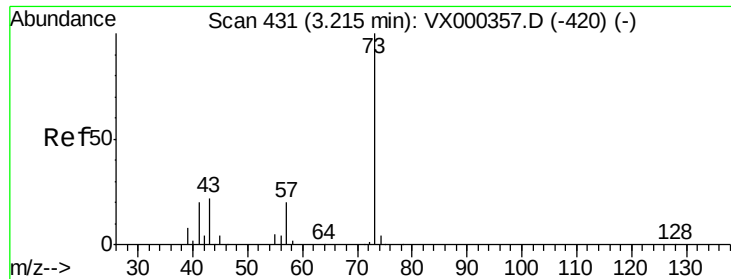
20000

10000

0

Time-->





#19

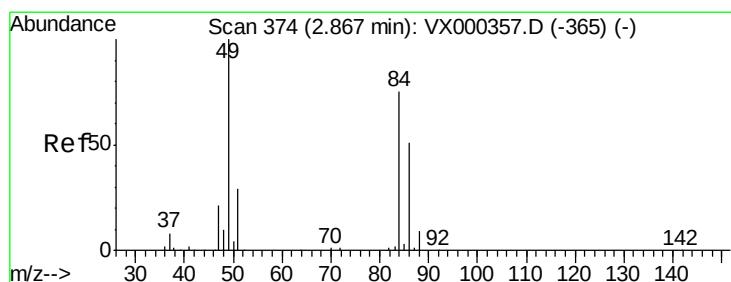
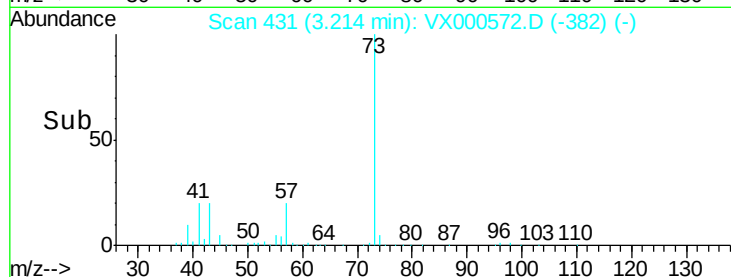
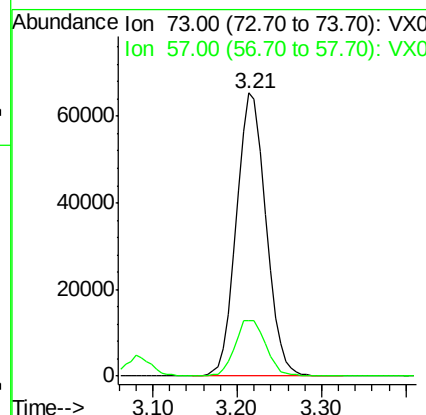
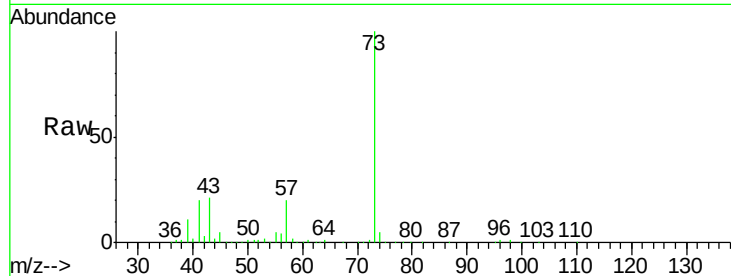
Methyl tert-butyl Ether
Concen: 23.50 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampled :
VX0330WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.2	25.8

Manual Integrations
APPROVED

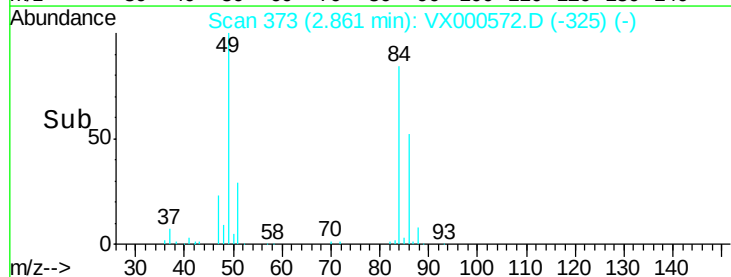
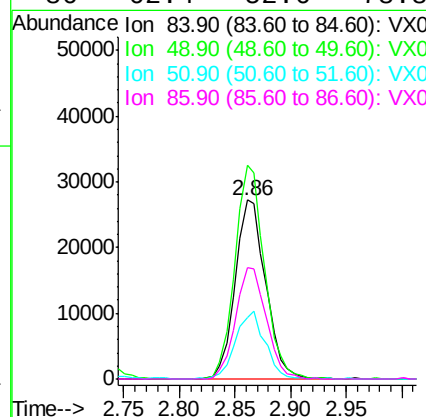
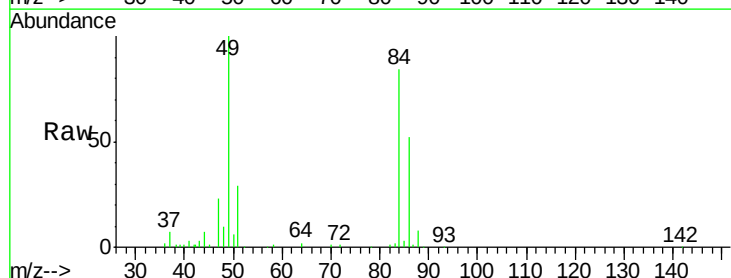
sam
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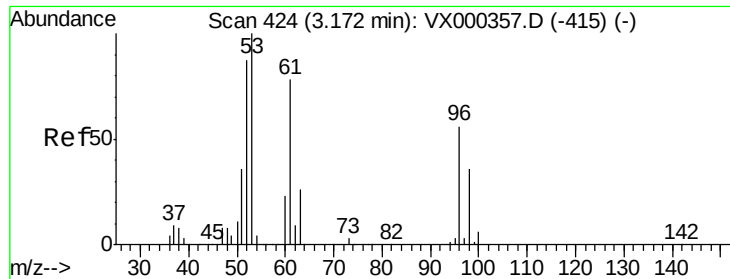


#20

Methylene Chloride
Concen: 25.06 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.4	100.6	151.0
51	34.7	31.6	47.4
86	62.4	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 23.99 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

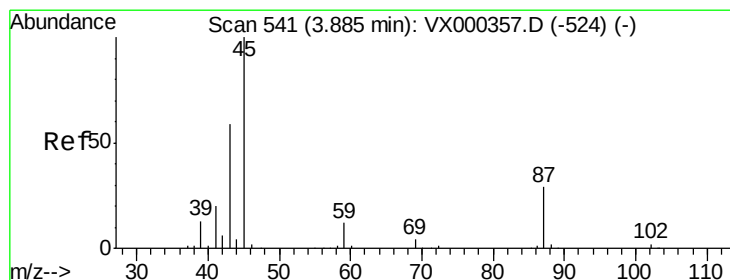
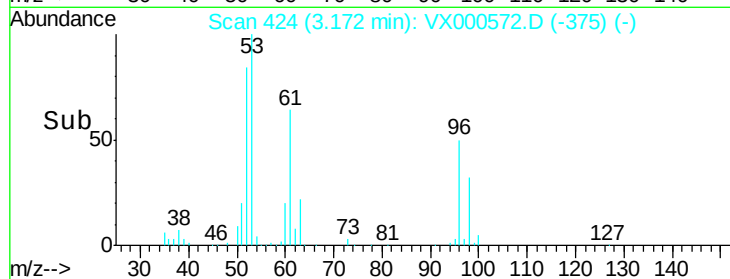
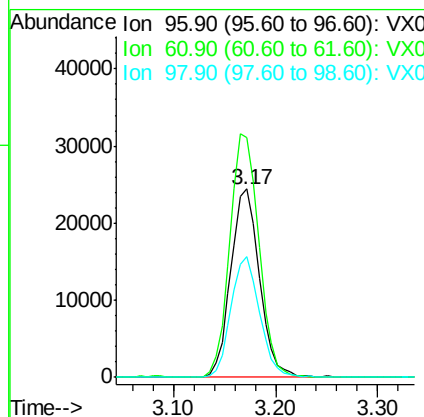
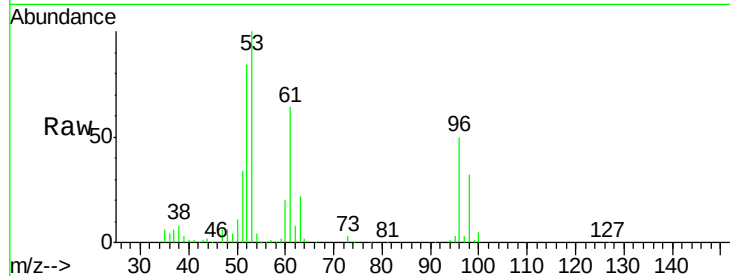
ClientSampleId :

VX0330WBSD01

Tot Ion:	96	Resp:	47732
Ion	Ratio	Lower	Upper
96	100		
61	127.6	104.0	156.0
98	64.1	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 16.84 ug/l

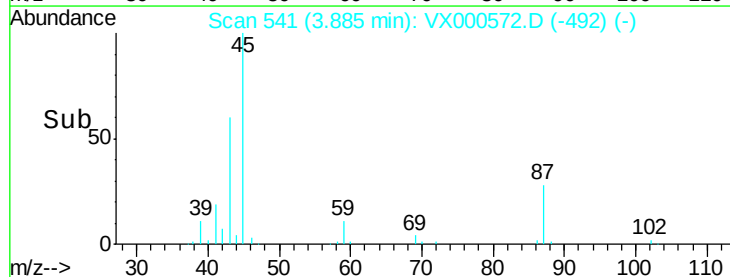
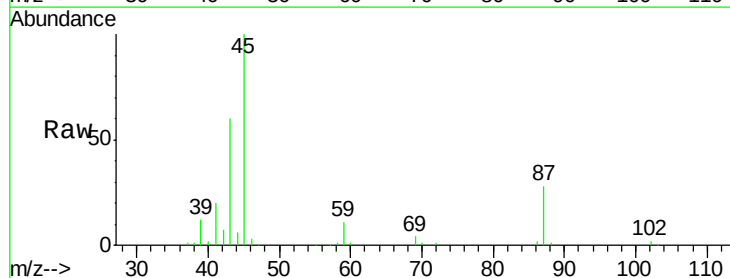
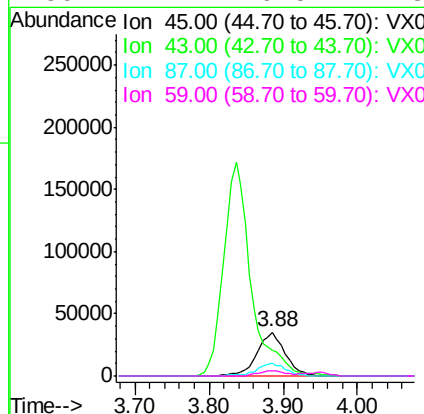
RT: 3.88 min Scan# 541

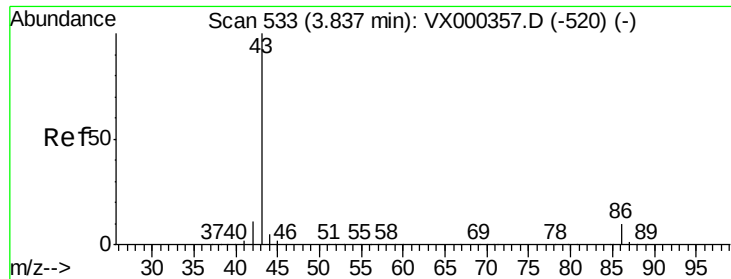
Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Tgt Ion:	45	Resp:	93881
Ion	Ratio	Lower	Upper
45	100		
43	59.6	53.9	80.9
87	28.4	22.6	34.0
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 83.57 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion: 43 Resp: 441742

Ion Ratio Lower Upper

43 100

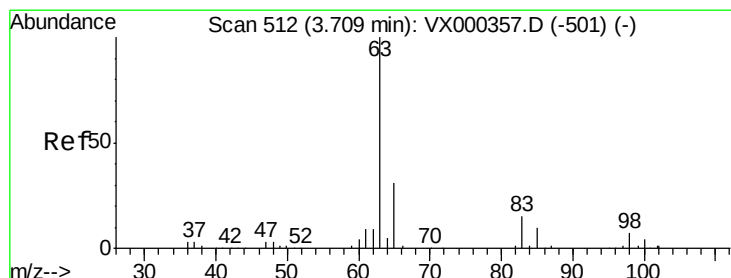
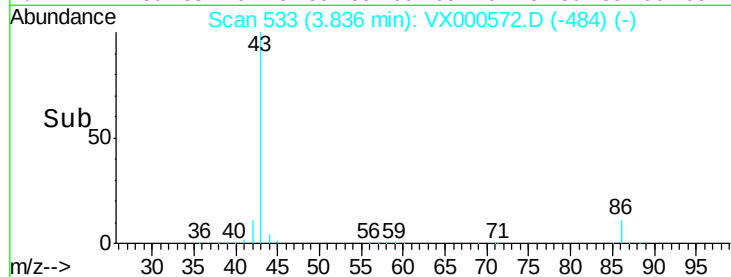
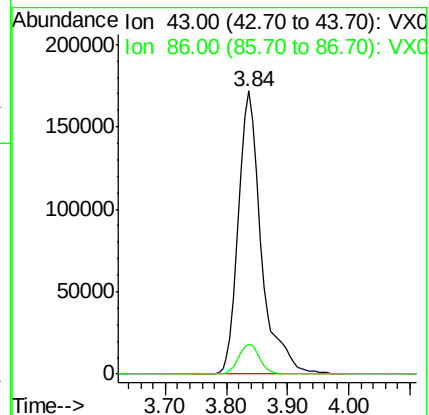
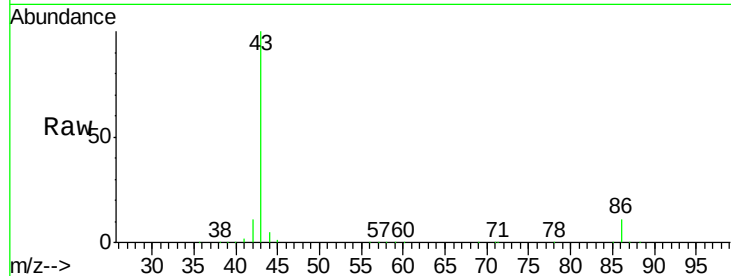
86 10.7 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 14.39 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

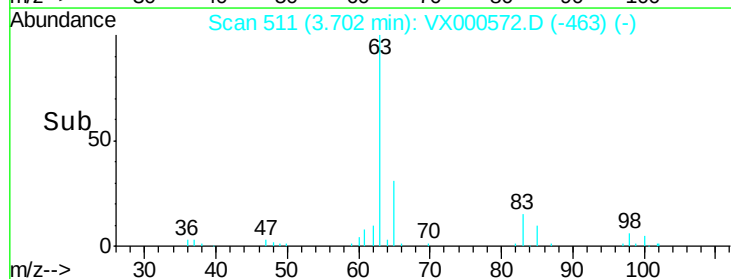
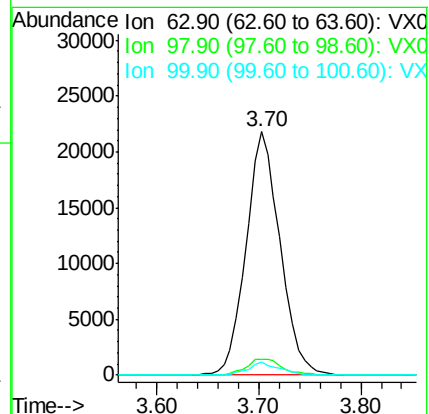
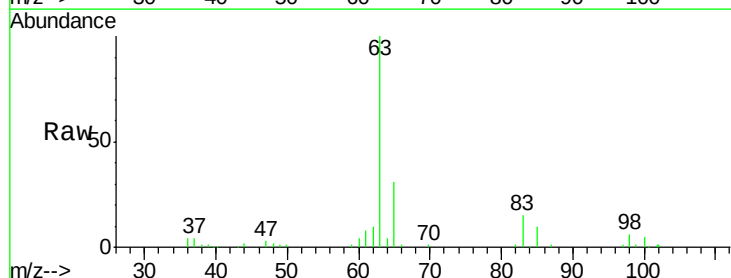
Tgt Ion: 63 Resp: 50455

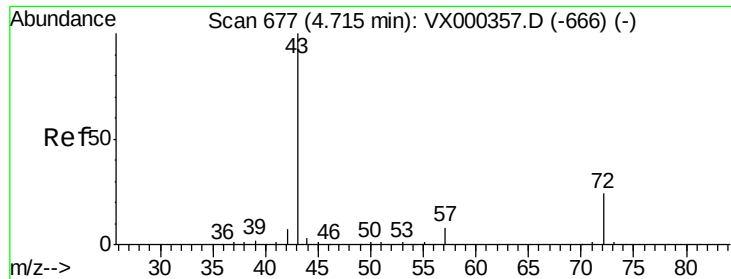
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 5.6 2.0 5.8





#25

2-Butanone

Concen: 97.17 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampled :

VX0330WBSD01

Tot Ion: 43 Resp: 195149

Ion Ratio Lower Upper

43 100

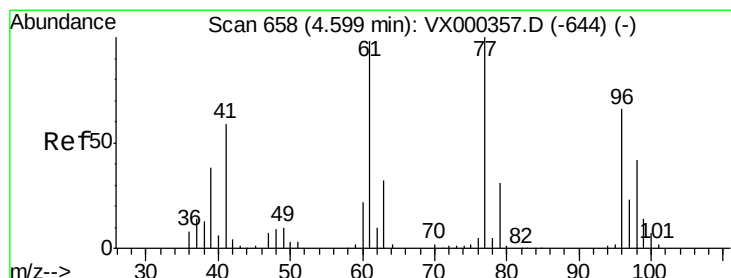
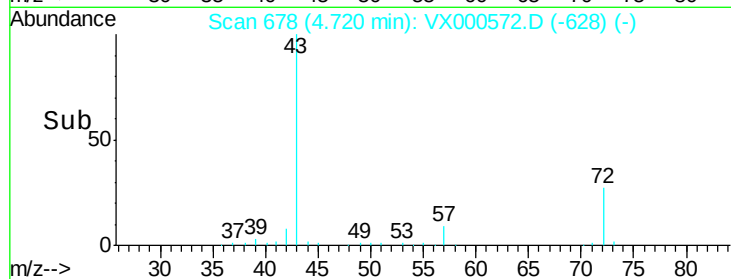
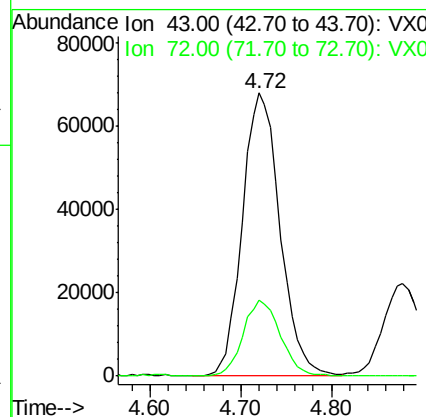
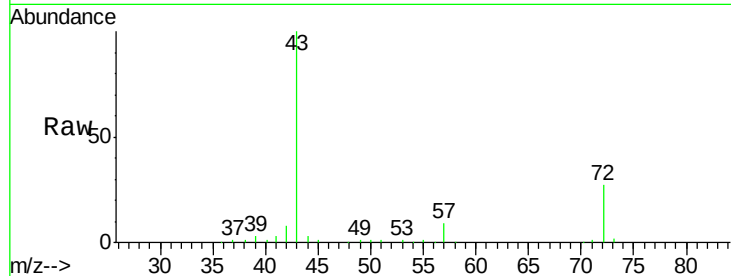
72 27.1 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.23 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000572.D

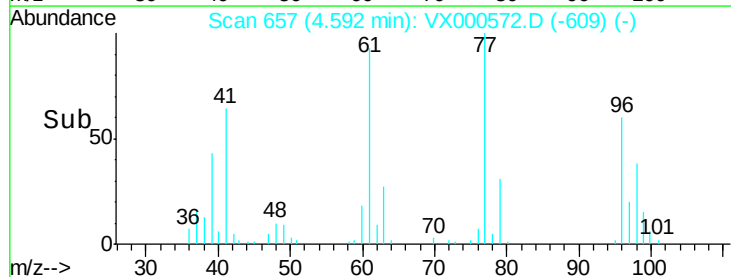
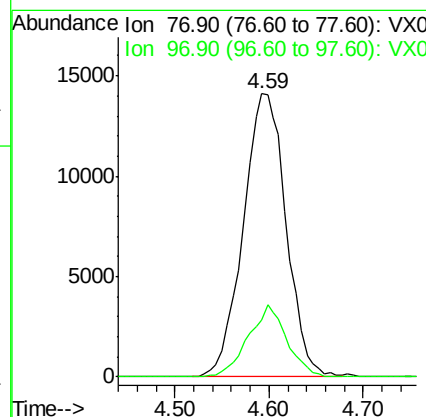
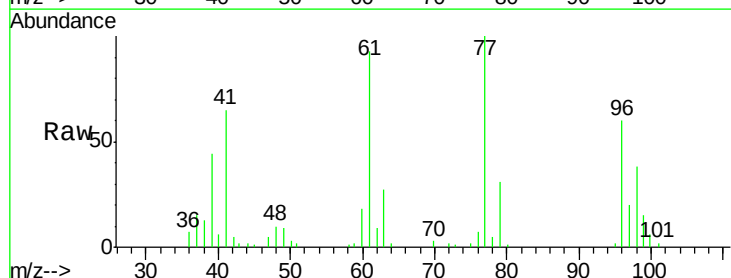
Acq: 30 Mar 2018 20:30

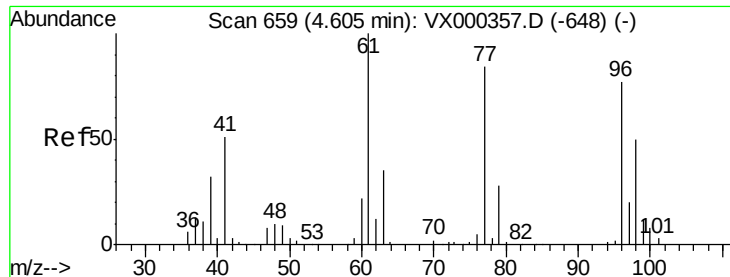
Tgt Ion: 77 Resp: 44799

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.19 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion: 96 Resp: 35678

Ion Ratio Lower Upper

96 100

61 142.1 0.0 291.6

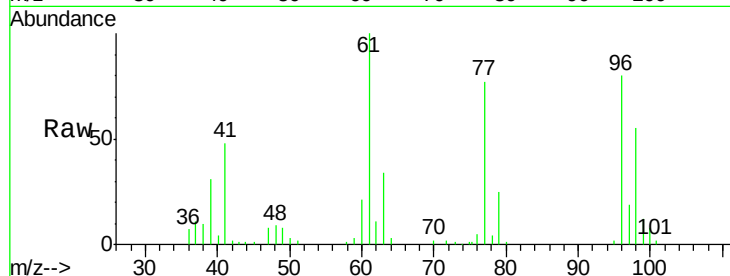
98 65.7 0.0 132.0

Manual Integrations

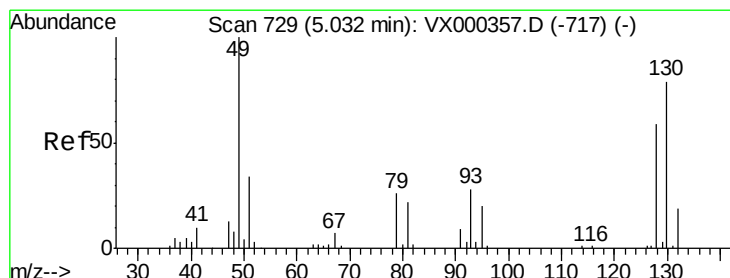
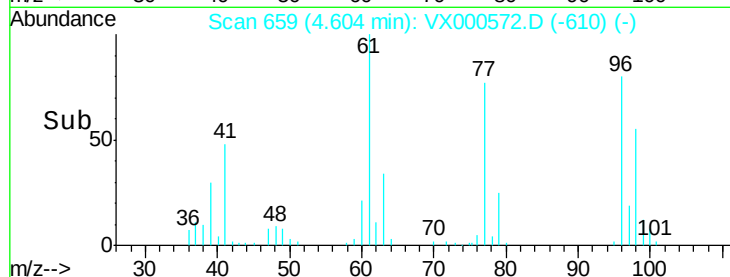
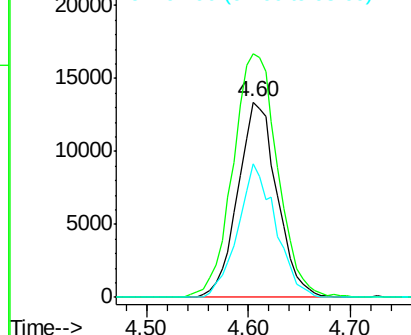
APPROVED

sam

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 19.57 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

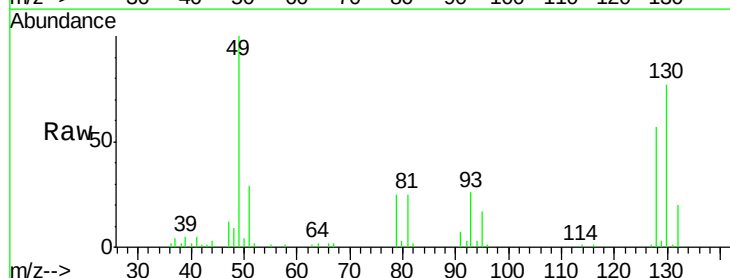
Tgt Ion: 49 Resp: 28286

Ion Ratio Lower Upper

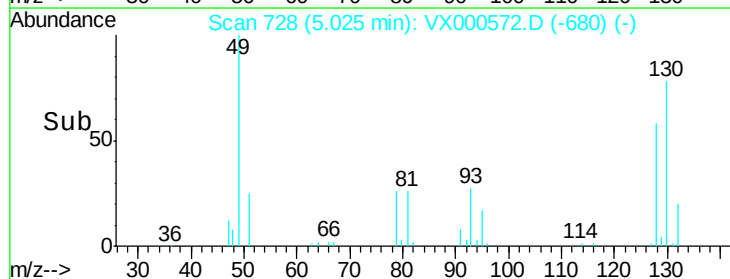
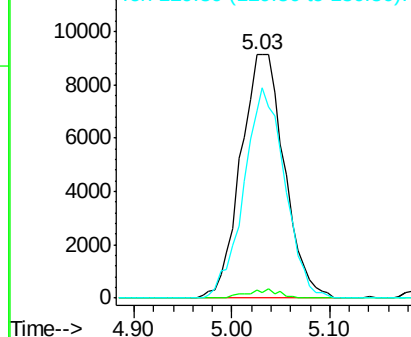
49 100

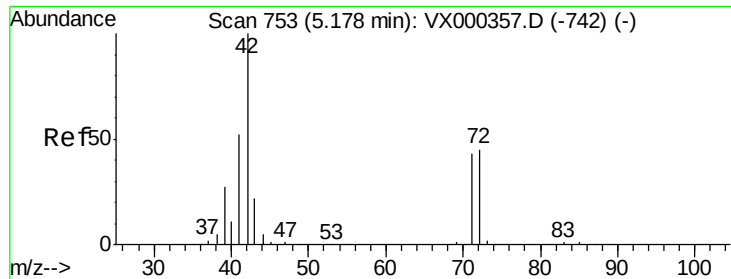
129 1.4 0.0 5.0

130 80.8 64.0 96.0



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





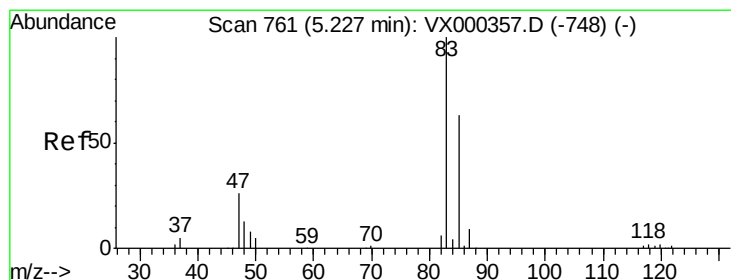
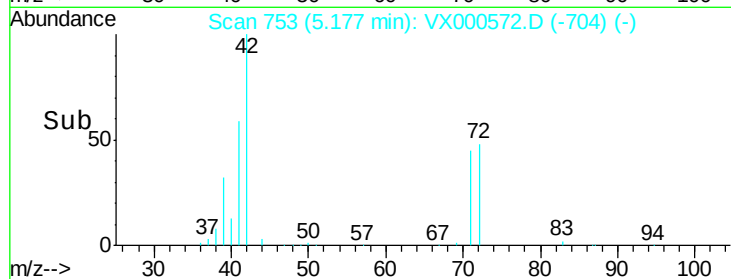
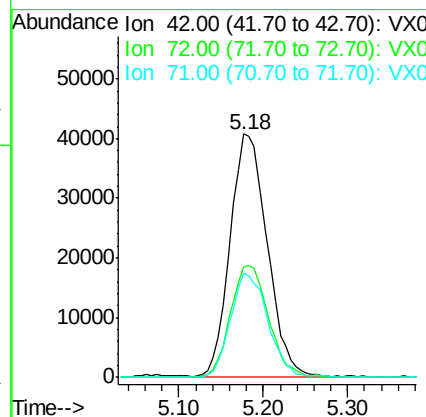
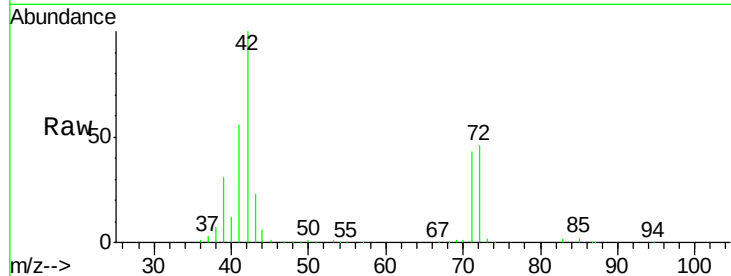
#29
Tetrahydrofuran
Concen: 98.85 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampled :
VX0330WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	122148		
72	47.0		37.9	56.9
71	43.1		34.4	51.6

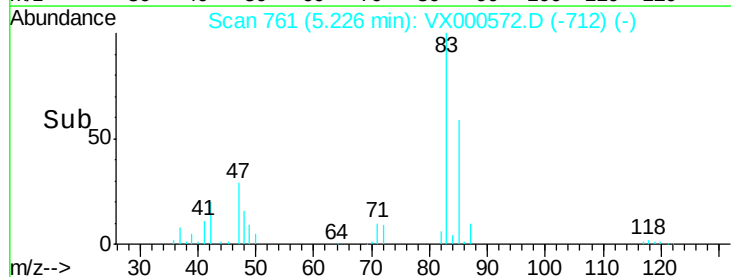
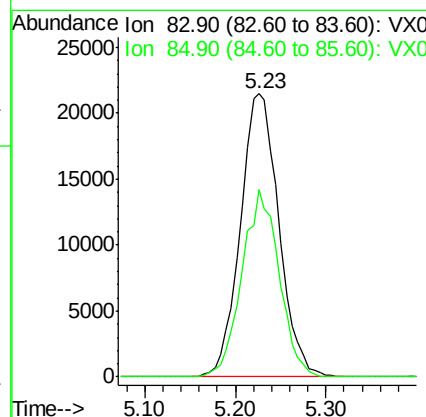
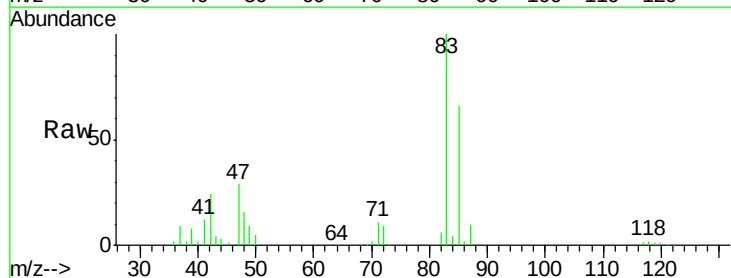
Manual Integrations
APPROVED

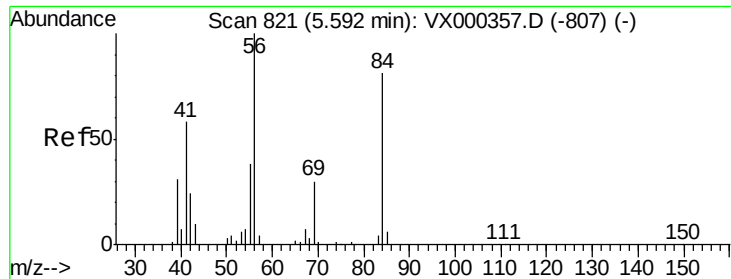
sam
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#30
Chloroform
Concen: 19.21 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	63122		
85	66.3		53.3	79.9





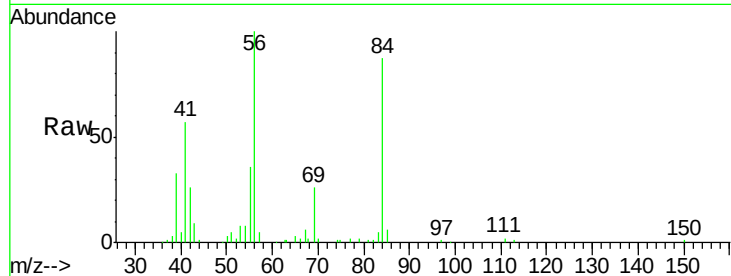
#31
Cyclohexane
Concen: 18.91 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.3	23.4	35.0
84	84.6	71.0	106.4

Manual Integrations
APPROVED

sam
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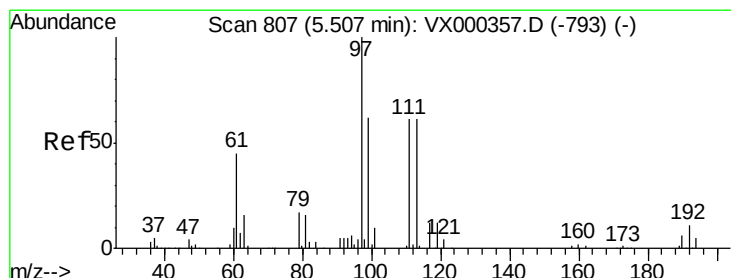
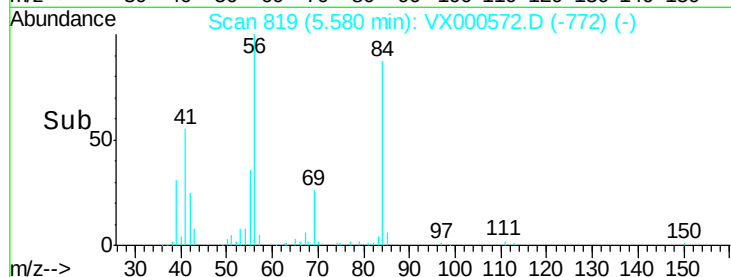
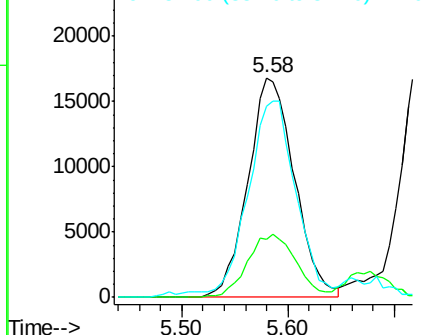


Abundance

Ion 56.00 (55.70 to 56.70): VX0

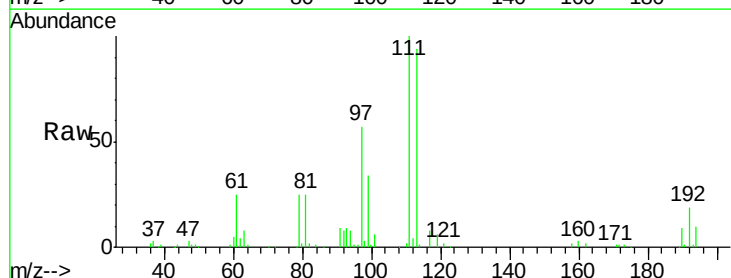
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32
1,1,1-Trichloroethane
Concen: 18.81 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	52.1	78.1
61	46.5	36.2	54.4

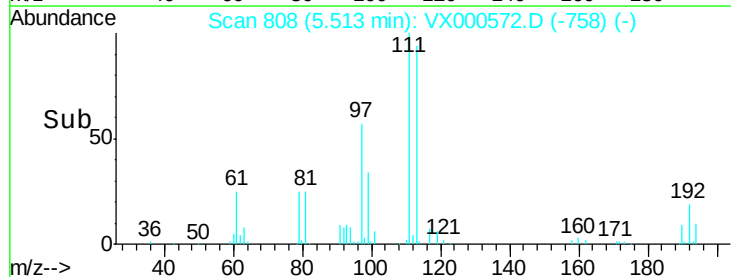
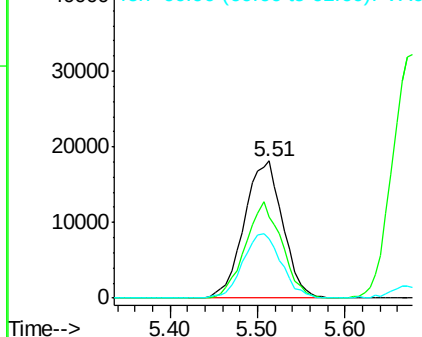


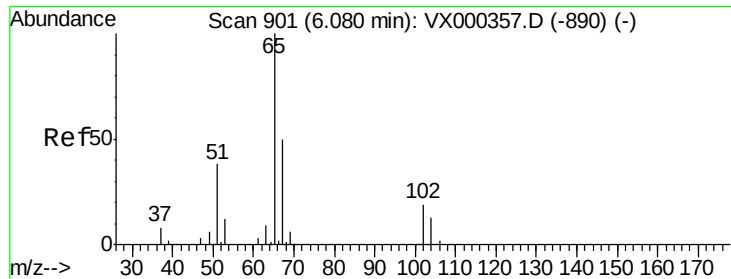
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





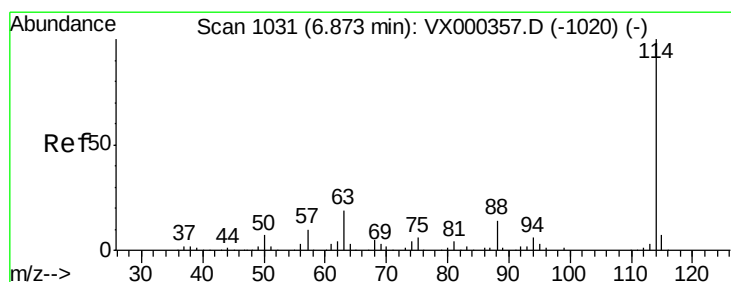
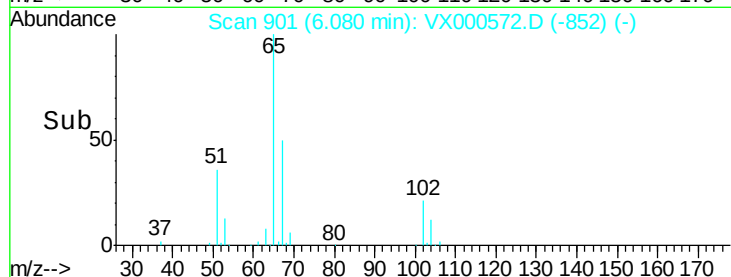
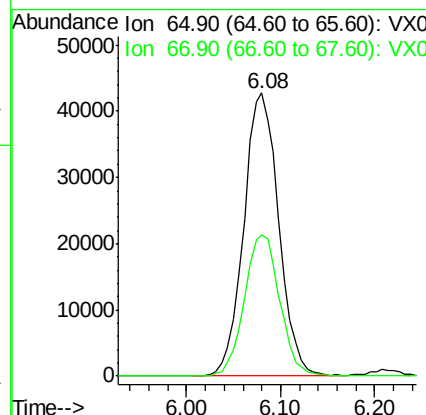
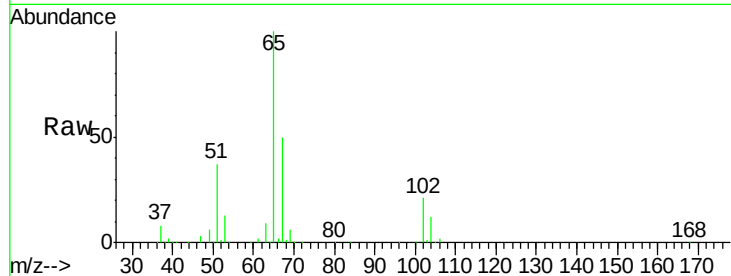
#33
 1,2-Dichloroethane-d4
 Concen: 51.68 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.5	0.0	103.2	

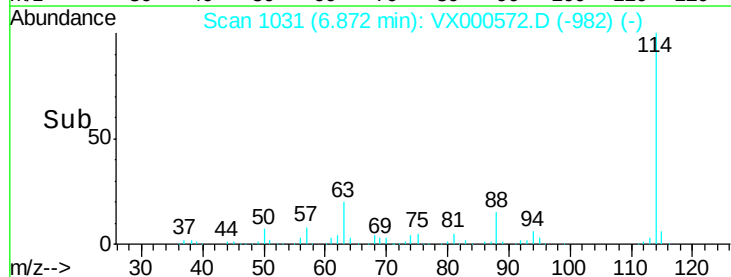
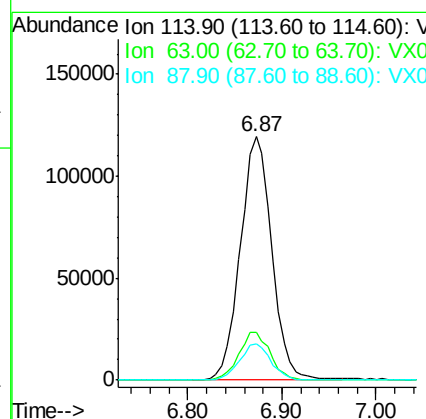
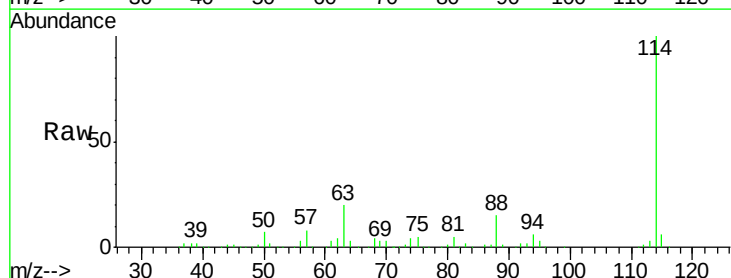
Manual Integrations
 APPROVED

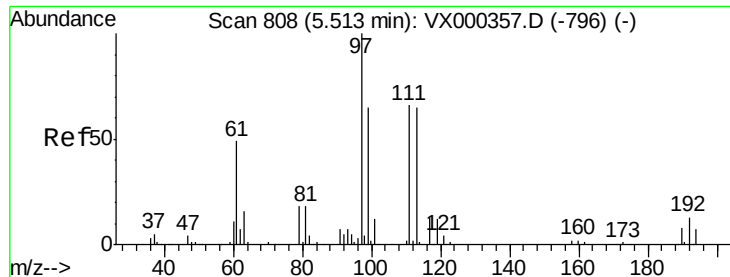
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	38.4	
88	14.7	0.0	27.0	





#35

Dibromofluoromethane

Concen: 48.69 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampled :

VX0330WBSD01

Tot Ion:113 Resp: 85572

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

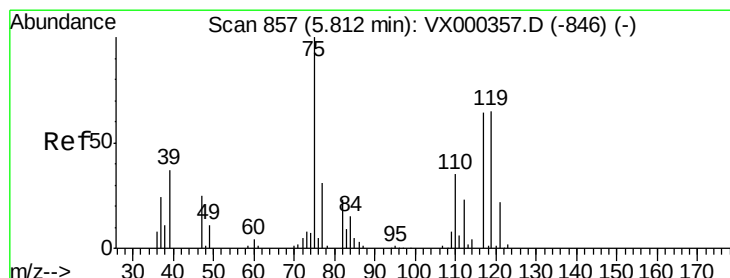
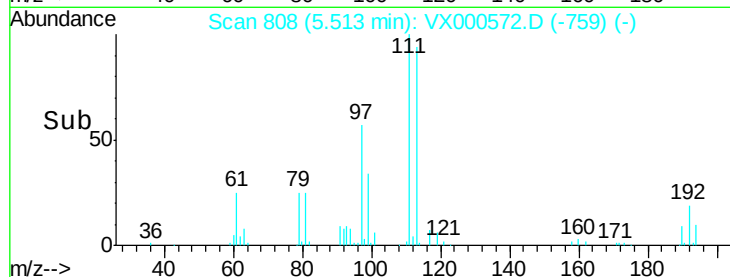
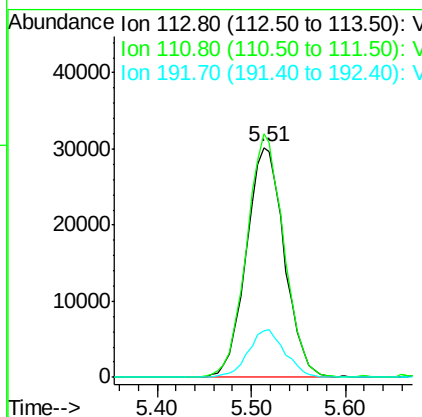
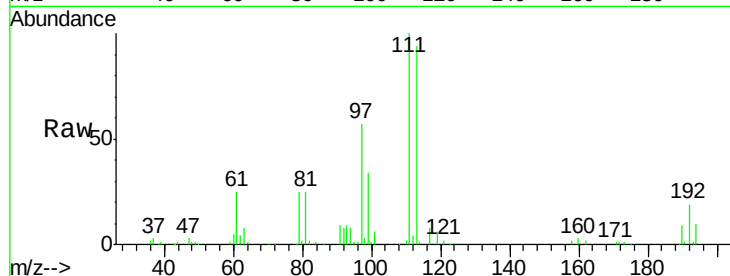
192 20.0 15.8 23.6

Manual Integrations

APPROVED

sam

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#36

1,1-Dichloropropene

Concen: 18.28 ug/l

RT: 5.81 min Scan# 857

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

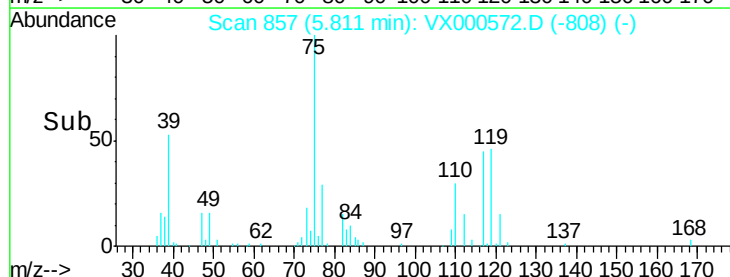
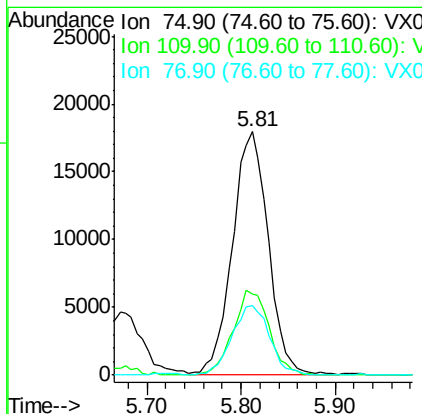
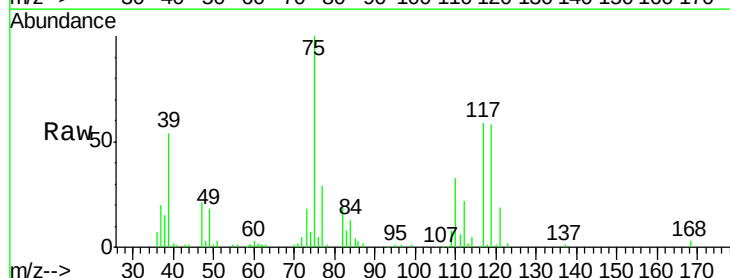
Tgt Ion: 75 Resp: 47766

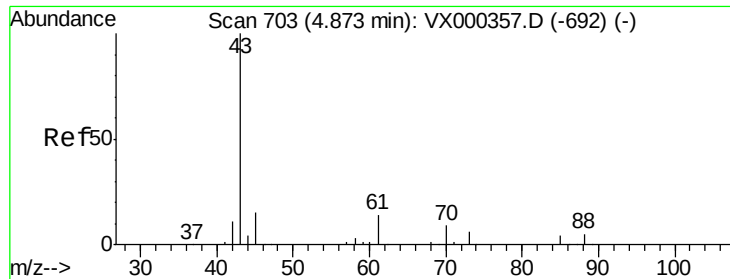
Ion Ratio Lower Upper

75 100

110 34.9 17.9 53.7

77 30.0 24.0 36.0





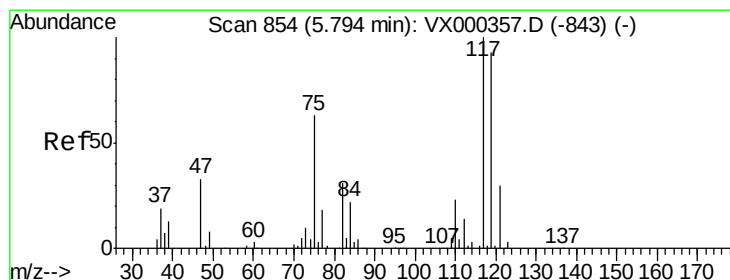
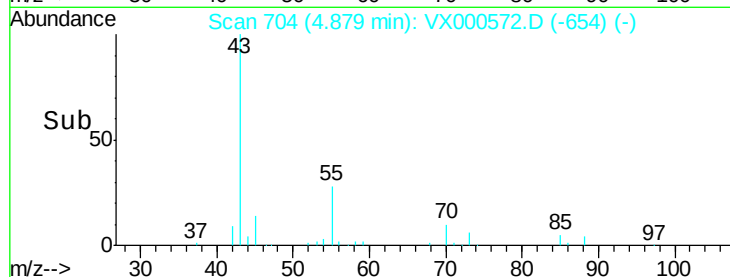
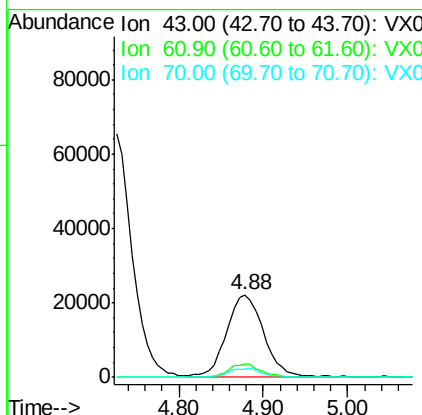
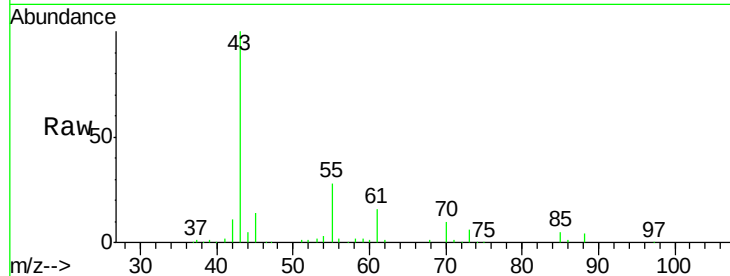
#37
Ethyl Acetate
Concen: 18.33 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampled :
VX0330WBSD01

Tot Ion	43	Resp	65410
Ion Ratio	100	Lower	Upper
61	14.4	11.1	16.7
70	10.0	7.7	11.5

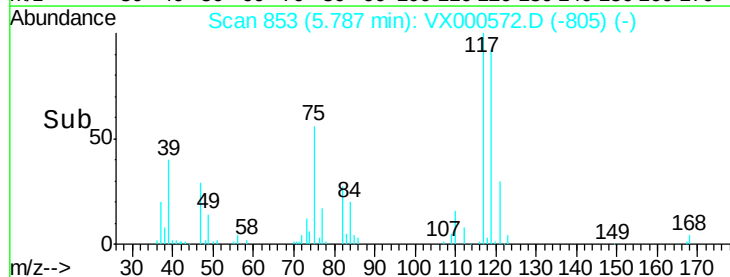
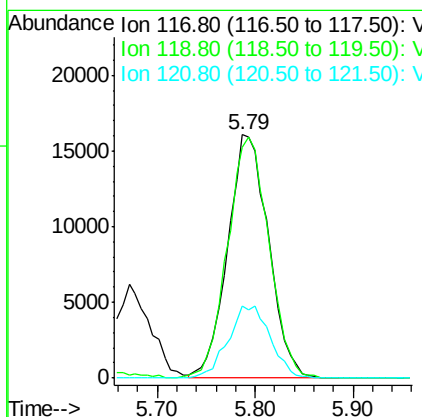
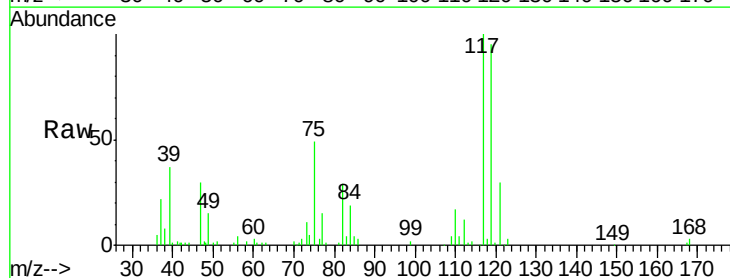
Manual Integrations
APPROVED

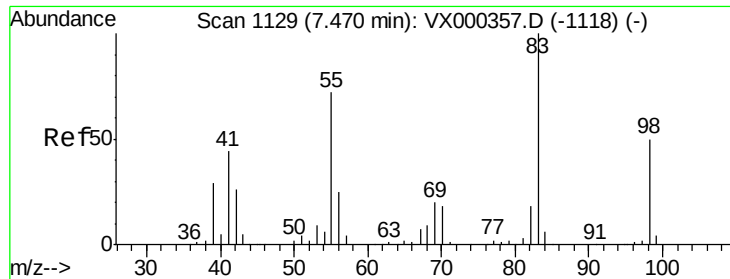
sam
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#38
Carbon Tetrachloride
Concen: 16.96 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	117	Resp	46470
Ion Ratio	100	Lower	Upper
119	94.6	77.4	116.2
121	29.7	24.8	37.2





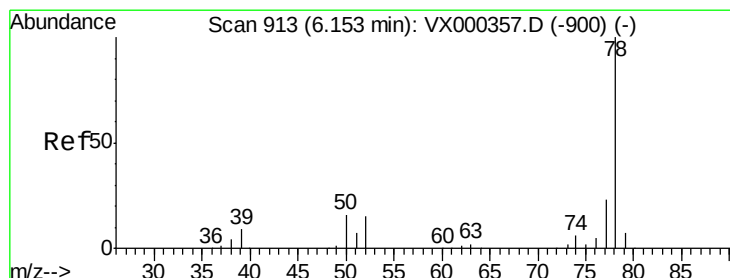
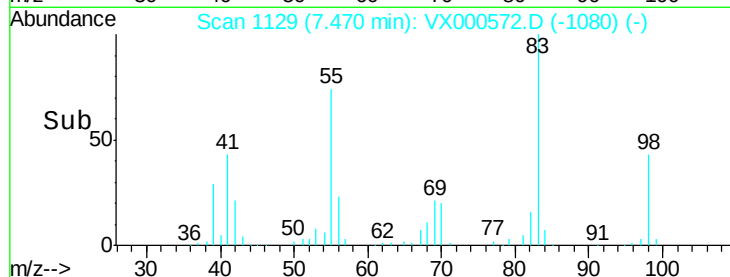
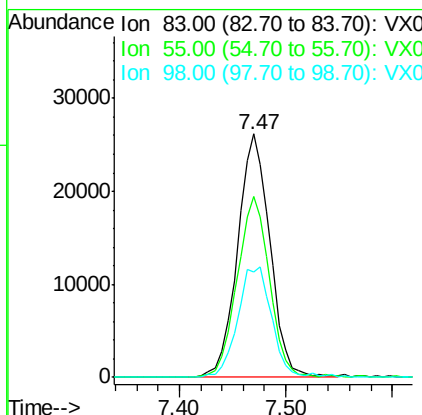
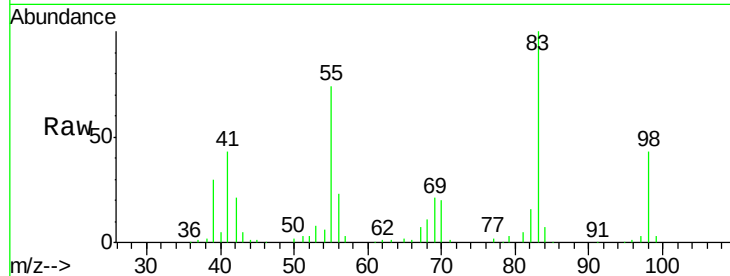
#39
Methylvlcyclohexane
Concen: 17.59 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampled :
VX0330WBSD01

Tot Ion	83	Resp	55881
Ion Ratio	100	Lower	Upper
83	100		
55	74.2	55.5	83.3
98	43.2	38.2	57.4

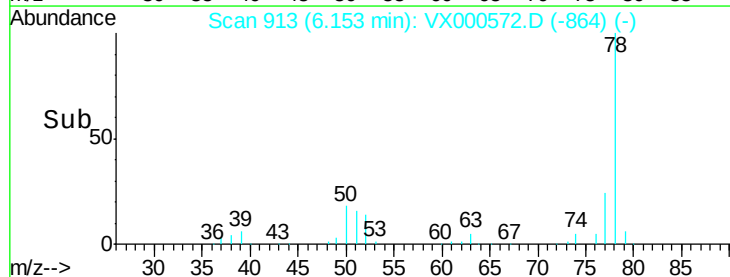
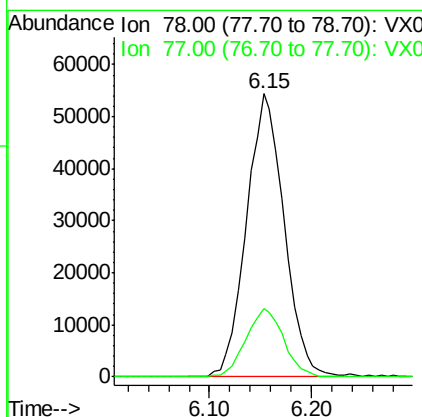
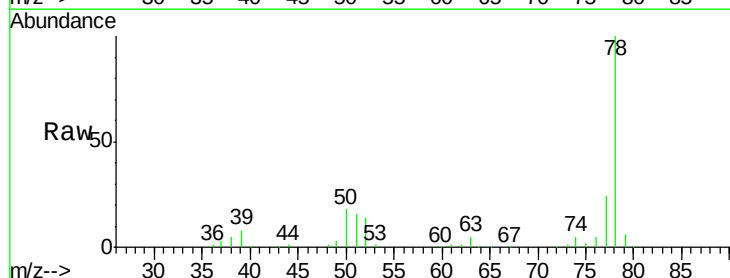
Manual Integrations
APPROVED

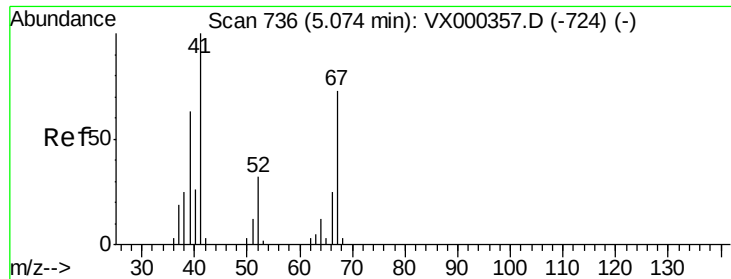
sam
4/4/2018 6:11:31 PM



#40
Benzene
Concen: 18.36 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	78	Resp	139263
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	18.7	28.1





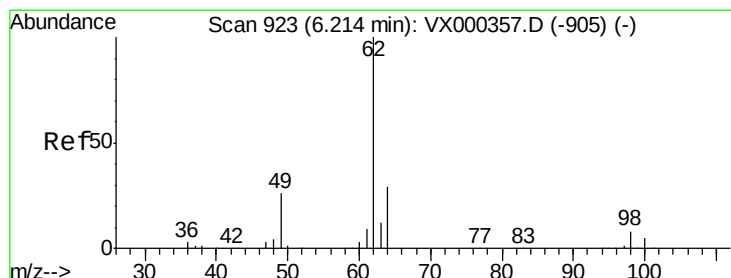
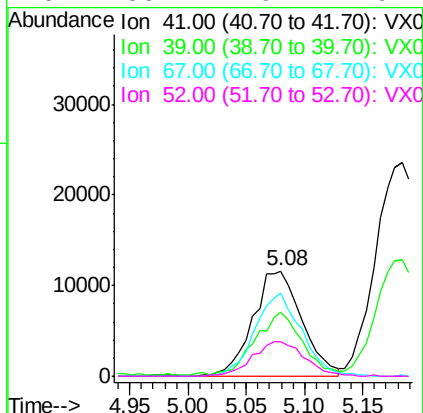
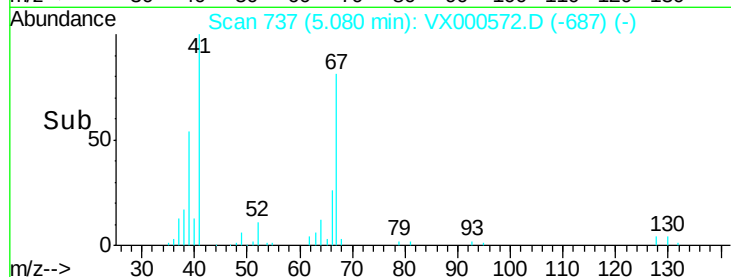
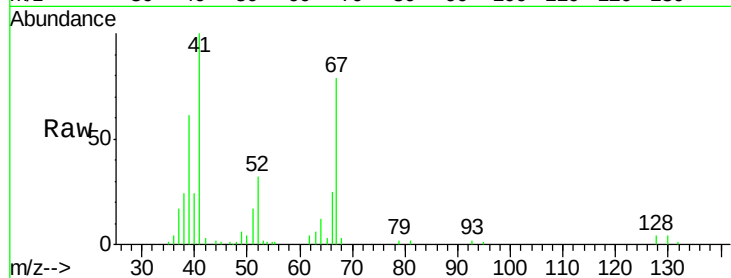
#41
Methacrylonitrile
Concen: 17.96 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampled :
VX0330WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.0	45.7	68.5	
67	75.5	57.8	86.8	
52	35.1	26.7	40.1	

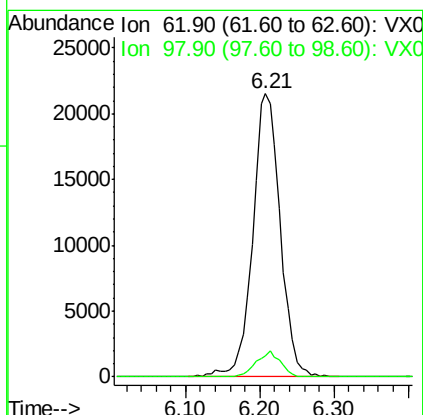
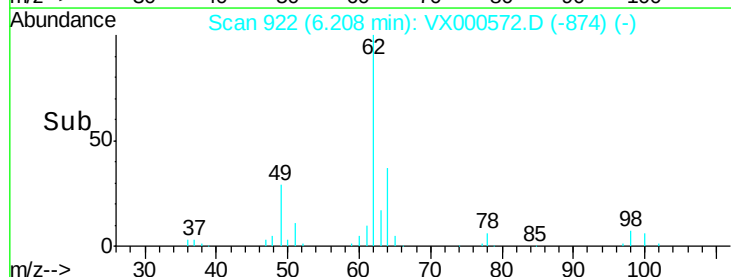
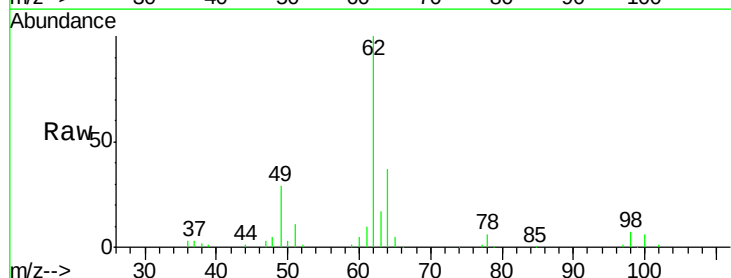
Manual Integrations
APPROVED

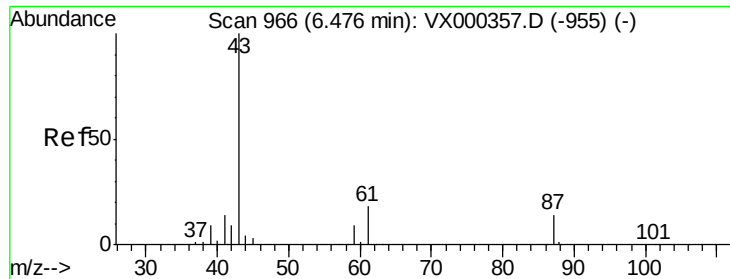
sam
4/4/2018 6:11:31 PM



#42
1,2-Dichloroethane
Concen: 18.68 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	15.8	





#43

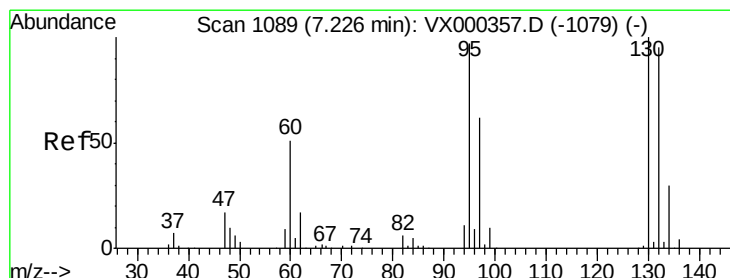
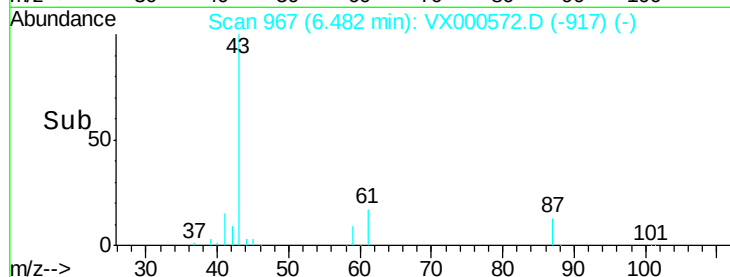
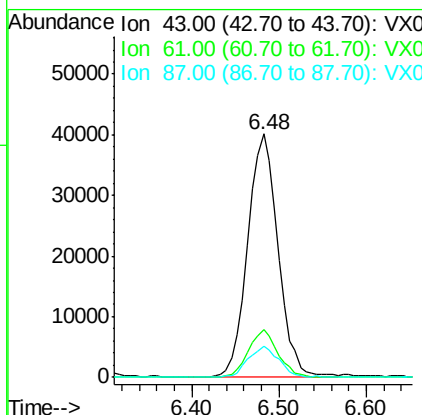
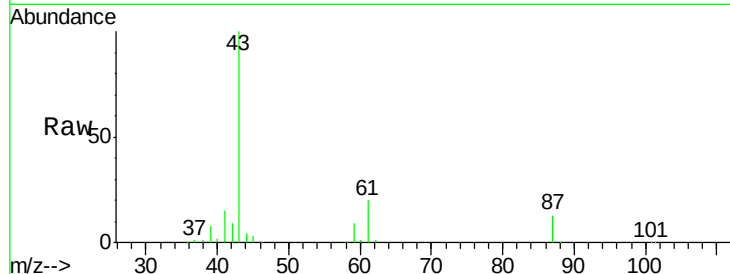
Isopropyl Acetate
 Concen: 18.29 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBSD01

Tot Ion	43	61	87
Resp	97179		
Ratio	100	18.8	12.8
Lower		14.4	11.0
Upper		21.6	16.4

Manual Integrations
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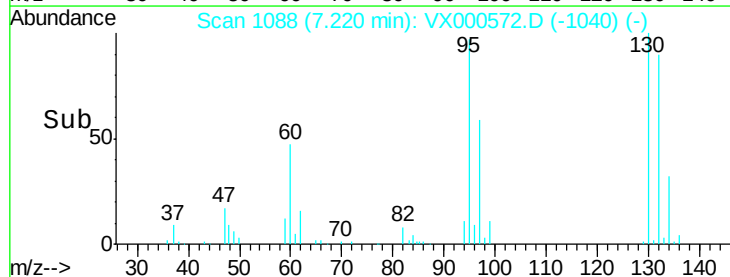
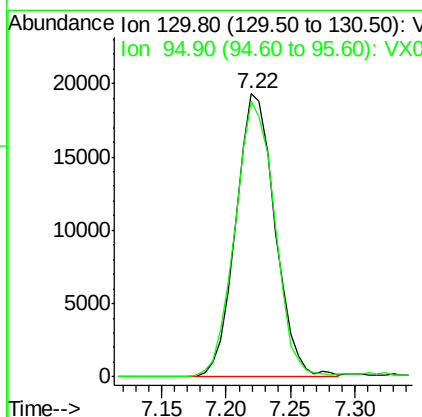
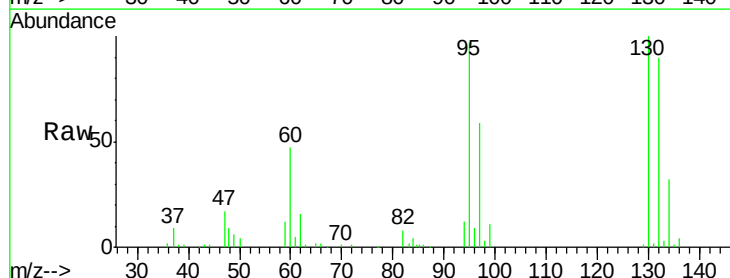
sam
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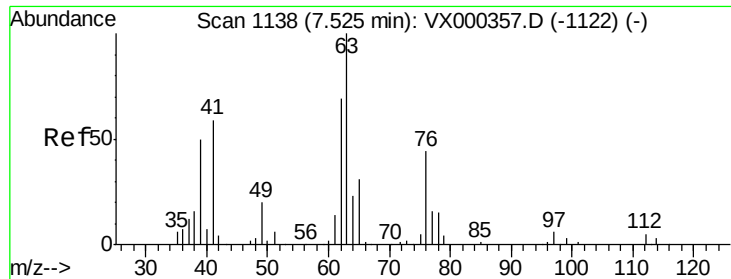


#44

Trichloroethene
 Concen: 18.71 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Tgt Ion	130	95
Resp	40659	
Ratio	100	97.3
Lower		0.0
Upper		186.0





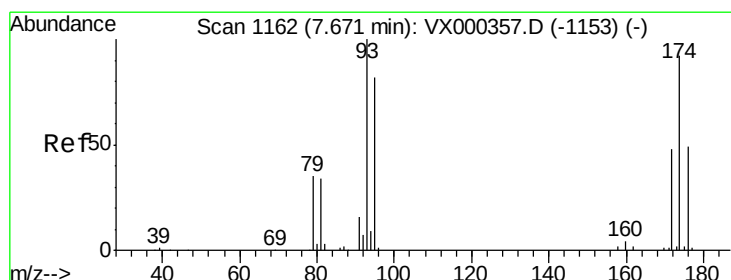
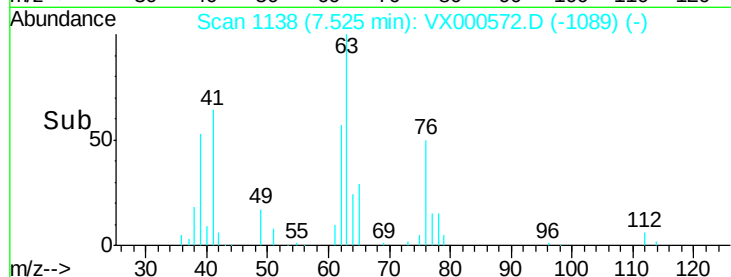
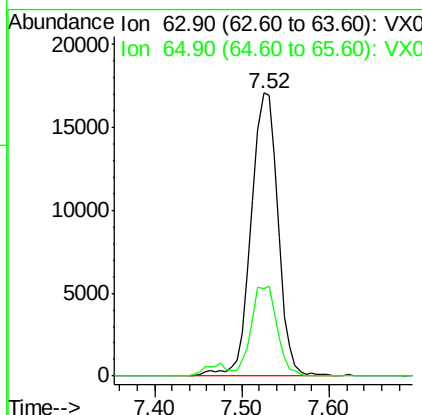
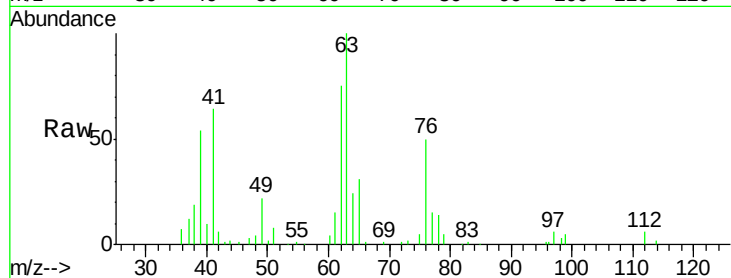
#45
 1,2-Dichloropropane
 Concen: 18.81 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBSD01

Tot Ion: 63 Resp: 36536
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 36.8

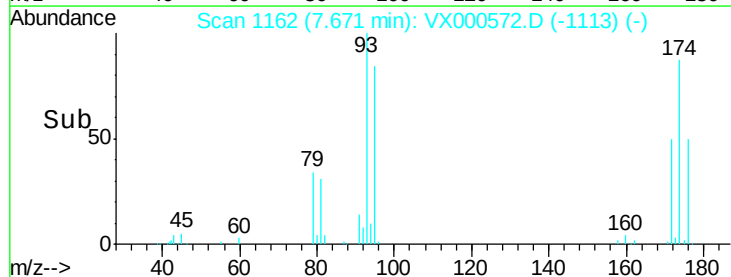
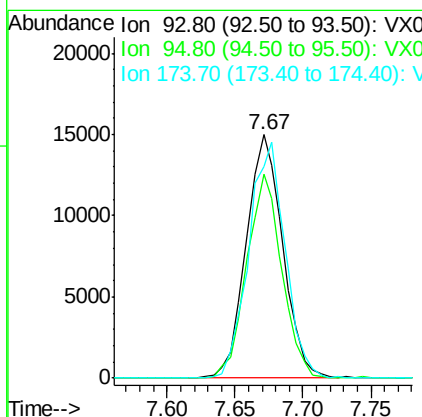
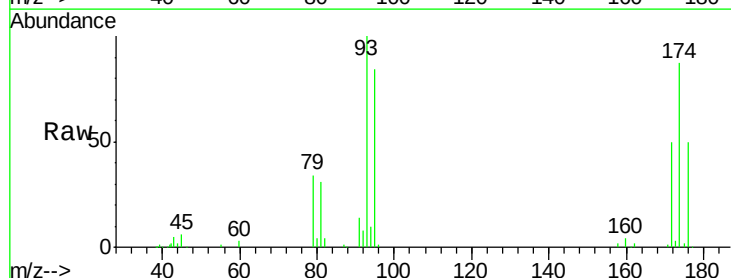
Manual Integrations
 APPROVED

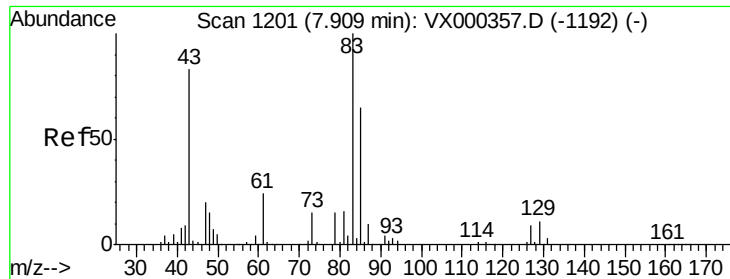
sam
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#46
 Dibromomethane
 Concen: 18.50 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Tgt Ion: 93 Resp: 28202
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.5 99.7
 174 96.7 76.0 114.0





#47

Bromodichloromethane

Concen: 18.76 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

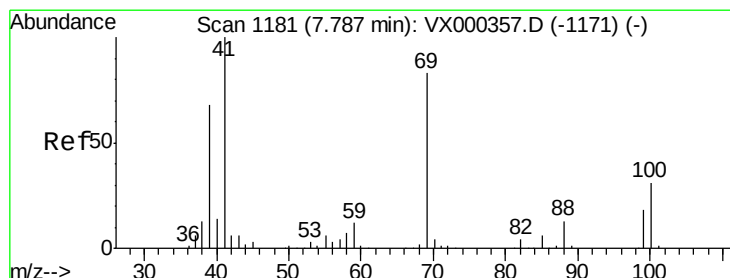
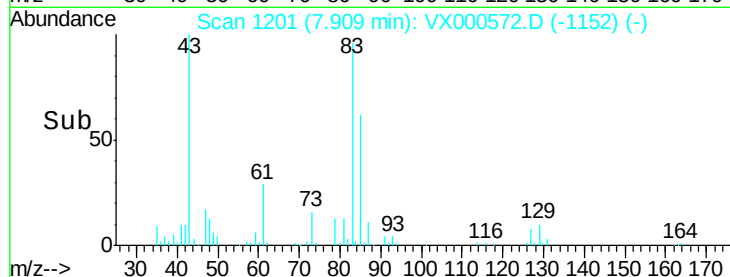
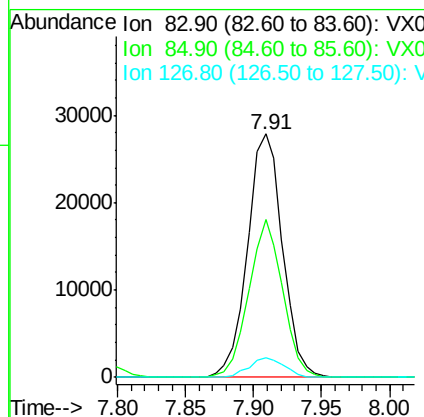
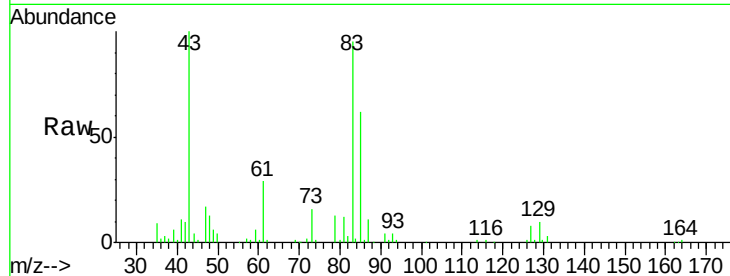
ClientSampled :

VX0330WBSD01

Tot Ion:	83	Resp:	50317
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0
127	7.9	7.0	10.6

Manual Integrations
APPROVED

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#48

Methyl methacrylate

Concen: 18.93 ug/l

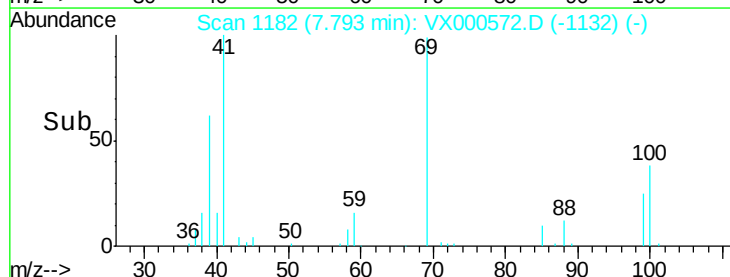
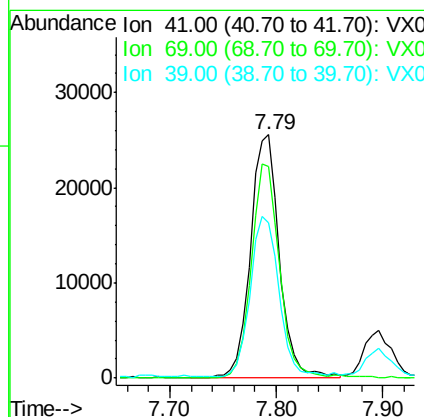
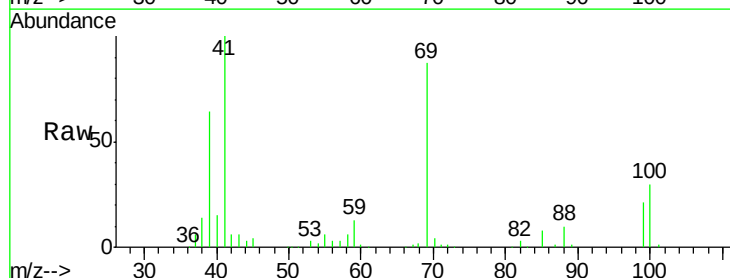
RT: 7.79 min Scan# 1182

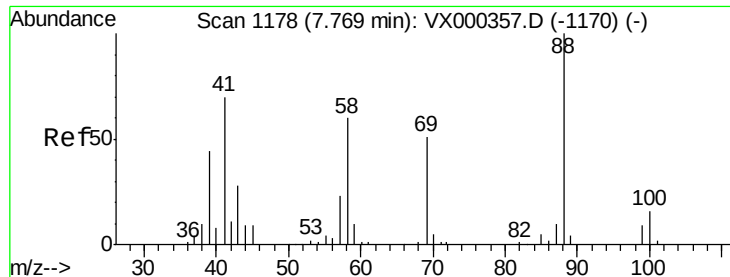
Delta R.T. 0.01 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Tgt Ion:	41	Resp:	48826
Ion	Ratio	Lower	Upper
41	100		
69	85.0	68.2	102.4
39	65.1	54.6	81.8





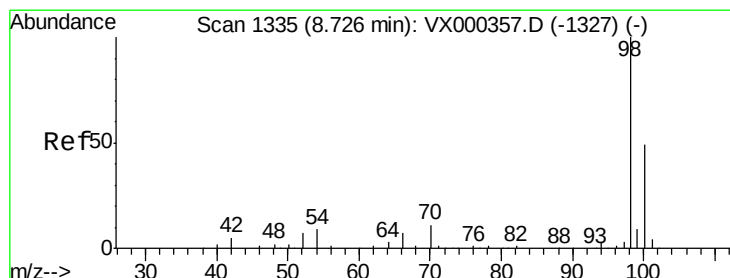
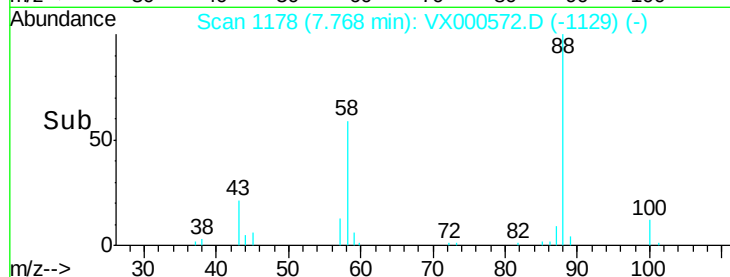
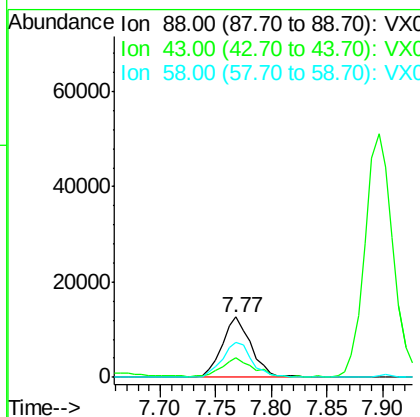
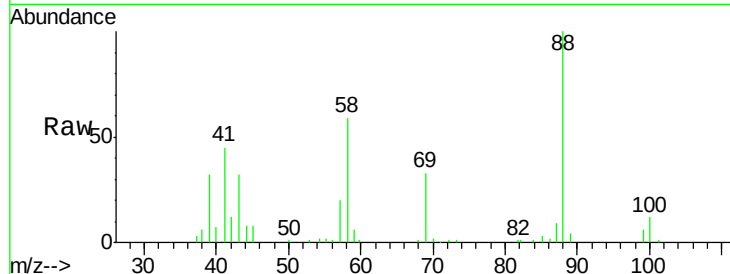
#49
1,4-Dioxane
Concen: 421.26 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampled :
VX0330WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	26.8	40.2
58	59.8	52.2	78.2

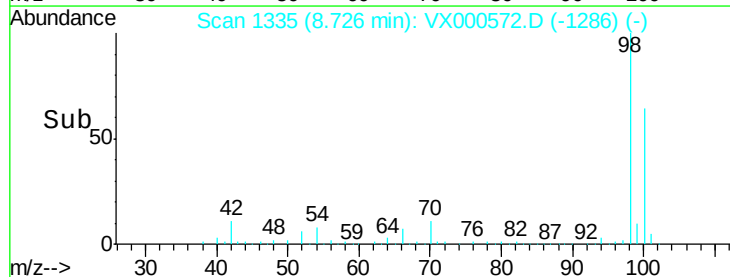
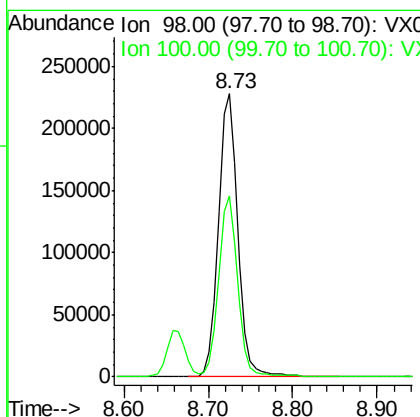
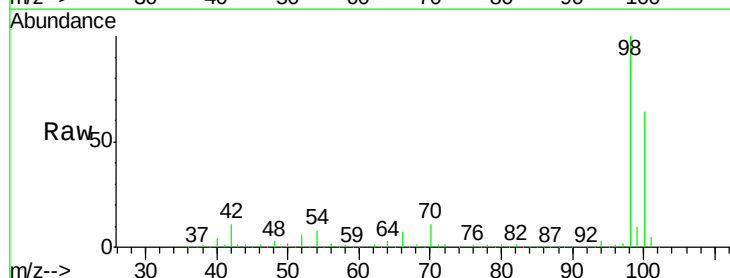
Manual Integrations
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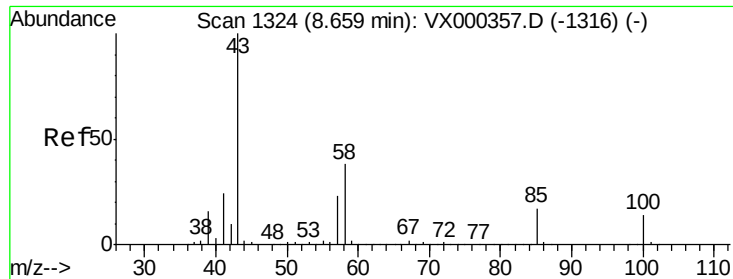
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#50
Toluene-d8
Concen: 50.04 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 92.81 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion: 43 Resp: 381614

Ion Ratio Lower Upper

43 100

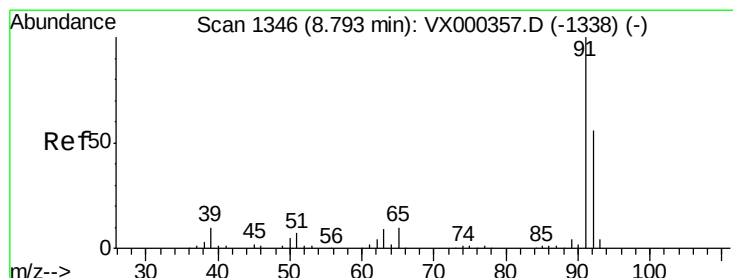
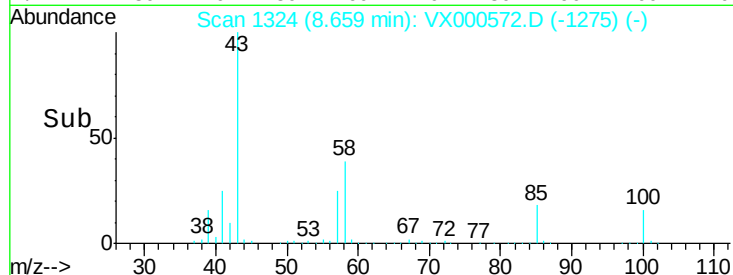
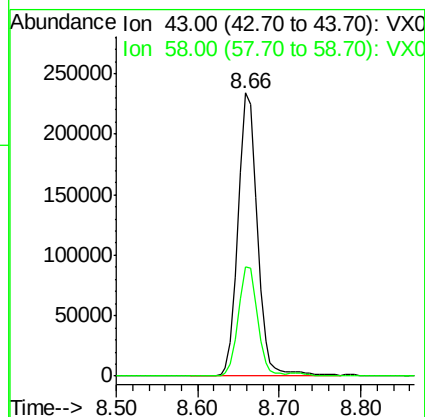
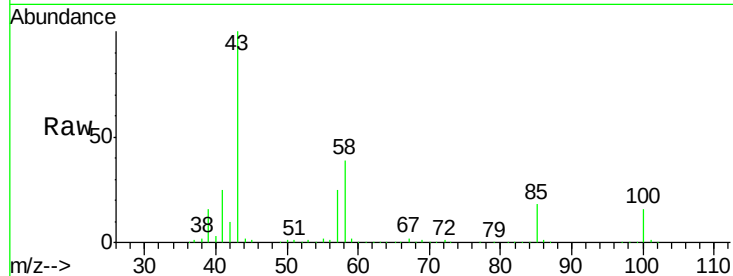
58 38.0 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 19.27 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000572.D

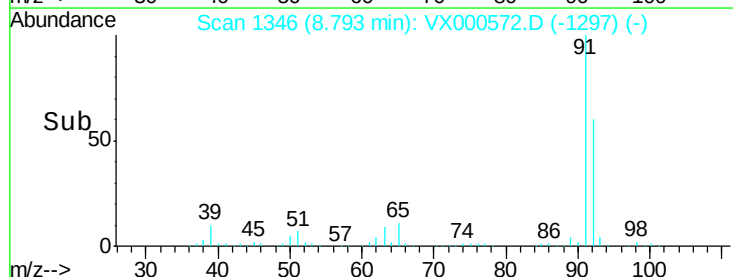
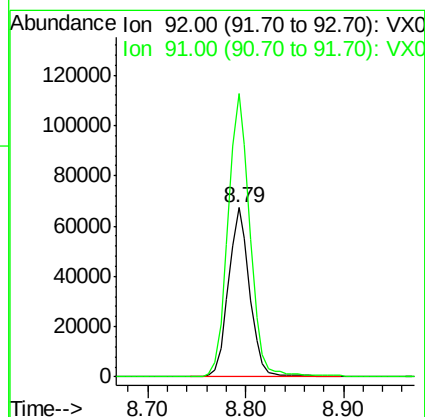
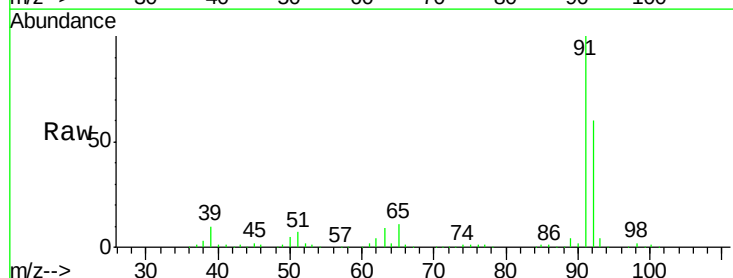
Acq: 30 Mar 2018 20:30

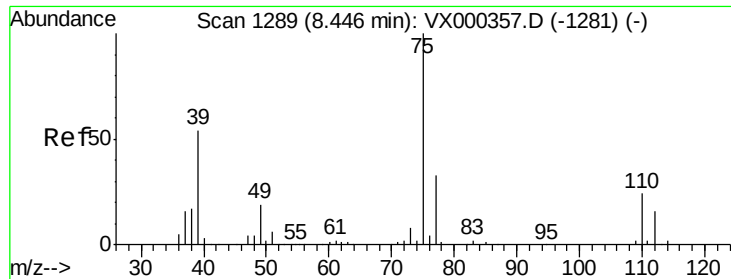
Tgt Ion: 92 Resp: 102221

Ion Ratio Lower Upper

92 100

91 171.2 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 19.04 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion: 75 Resp: 59181

Ion Ratio Lower Upper

75 100

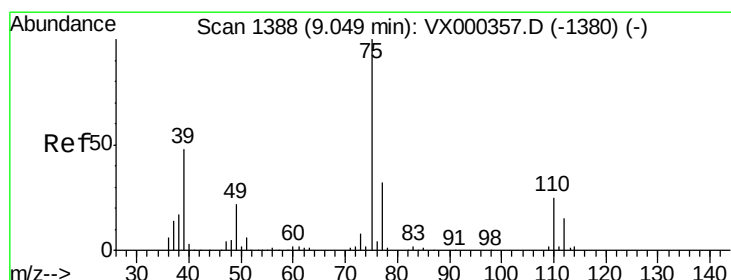
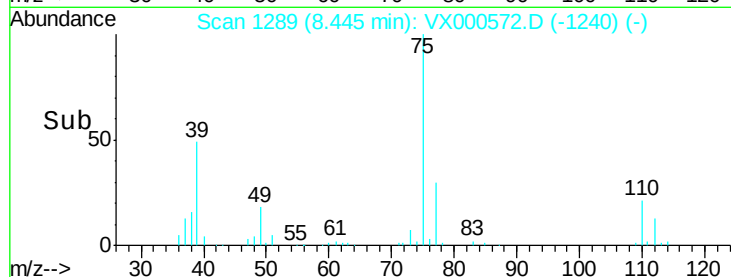
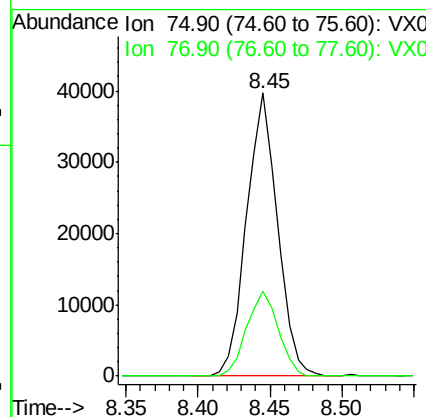
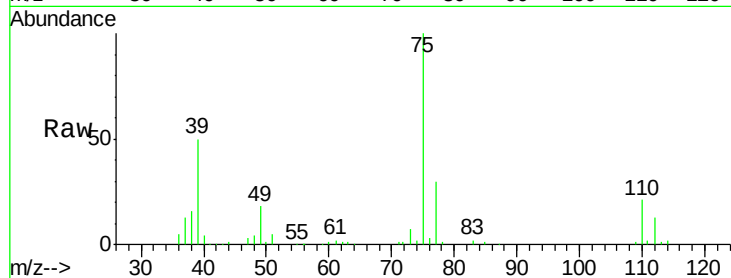
77 30.1 24.0 36.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.62 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

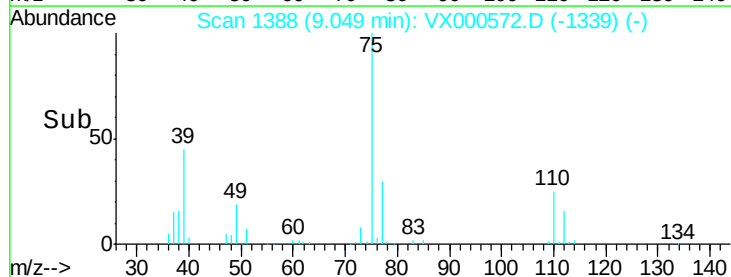
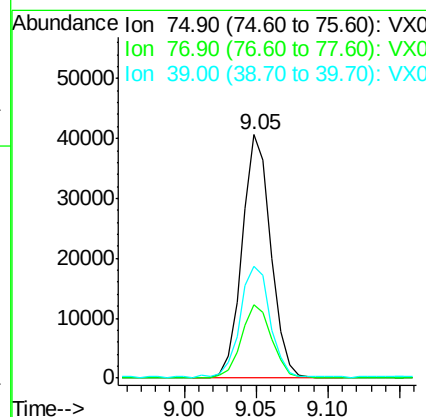
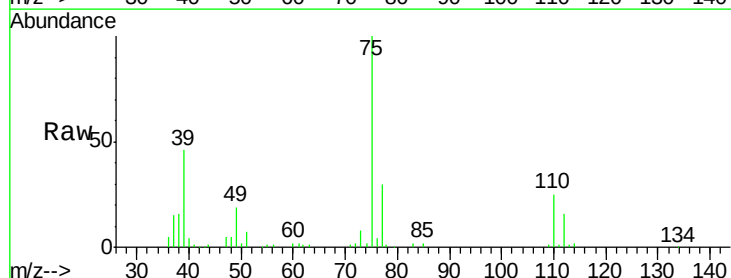
Tgt Ion: 75 Resp: 56145

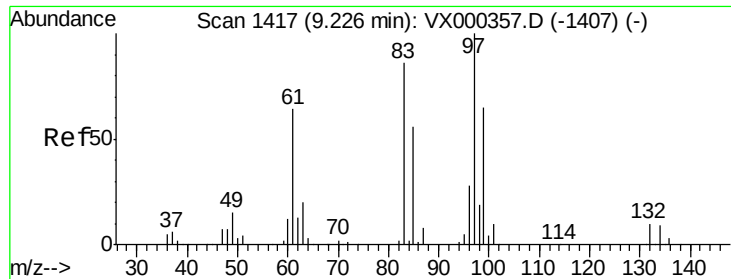
Ion Ratio Lower Upper

75 100

77 30.3 26.1 39.1

39 45.5 39.8 59.6





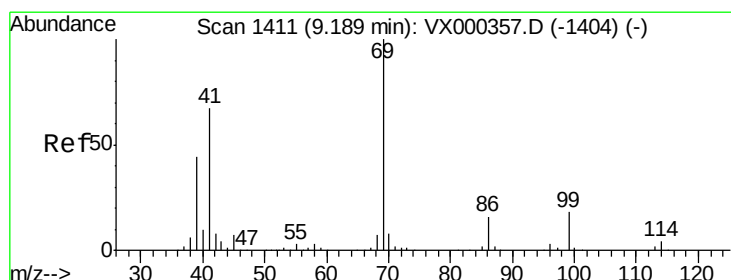
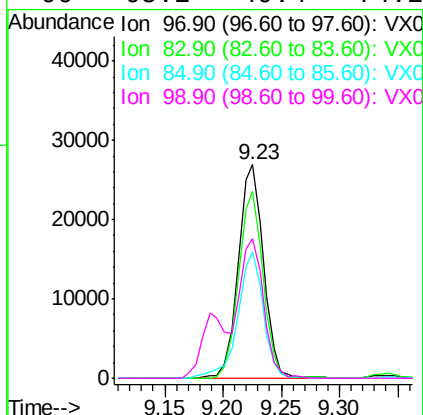
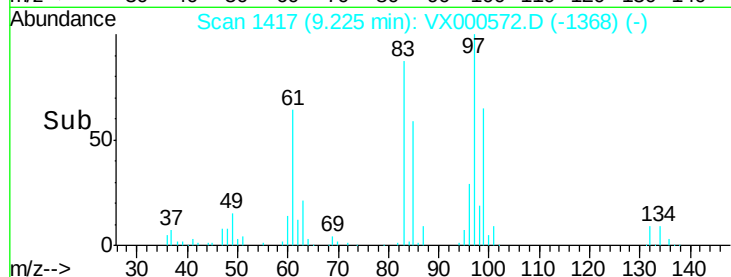
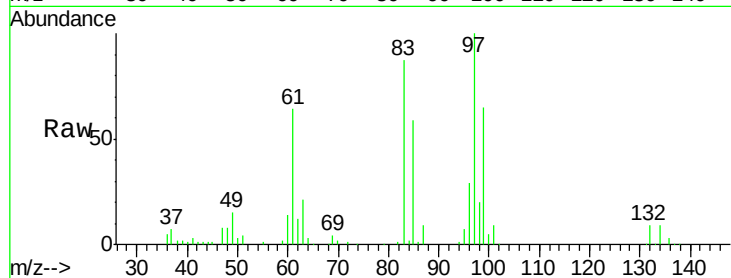
#55
 1,1,2-Trichloroethane
 Concen: 18.69 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBSD01

Tot Ion:	97	Resp:	40765
Ion	Ratio	Lower	Upper
97	100		
83	87.3	67.9	101.9
85	59.3	42.8	64.2
99	65.2	49.4	74.2

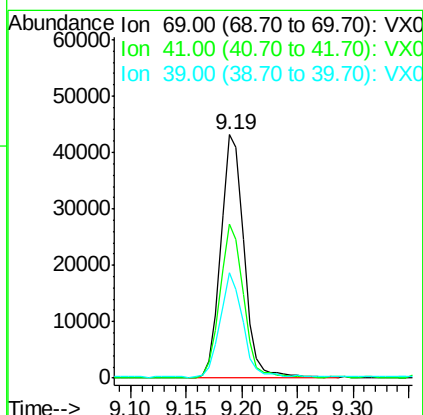
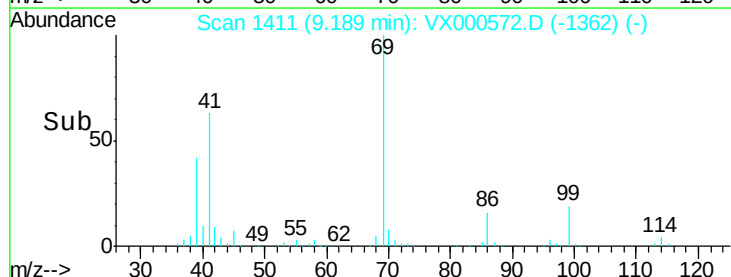
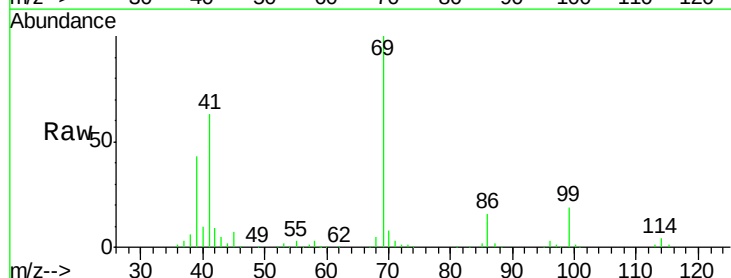
Manual Integrations
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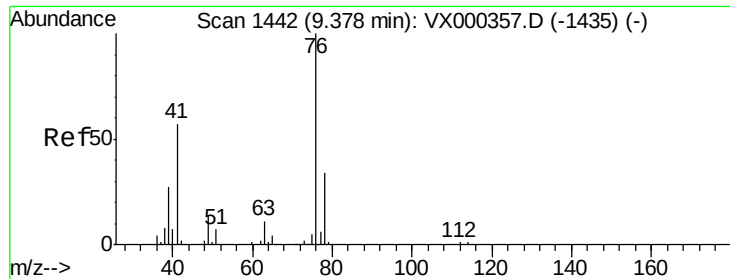
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#56
 Ethyl methacrylate
 Concen: 19.10 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Tgt Ion:	69	Resp:	63122
Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.0	79.6
39	41.4	35.3	52.9





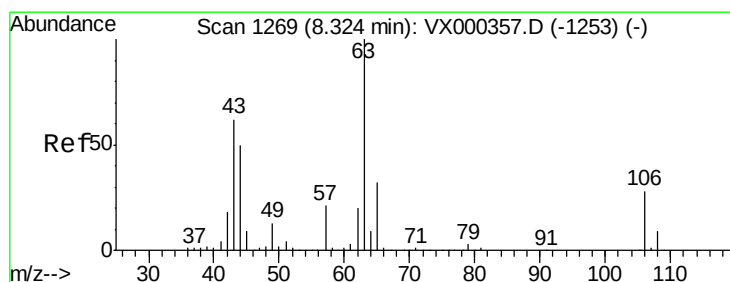
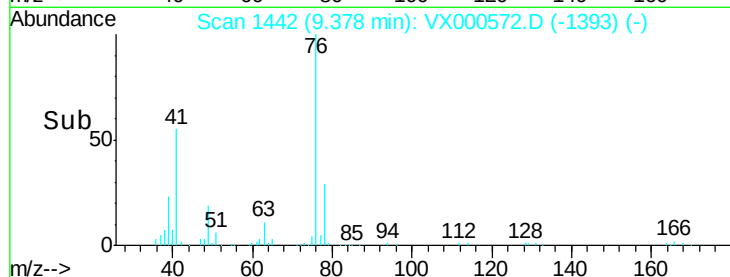
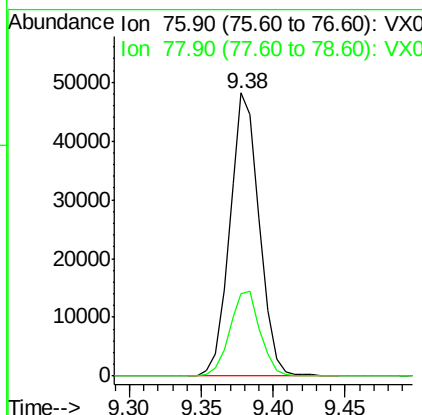
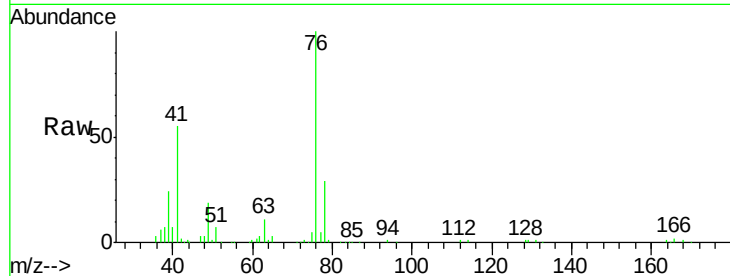
#57
 1,3-Dichloropropane
 Concen: 19.65 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBSD01

Tot Ion: 76 Resp: 68568
 Ion Ratio Lower Upper
 76 100
 78 30.9 26.4 39.6

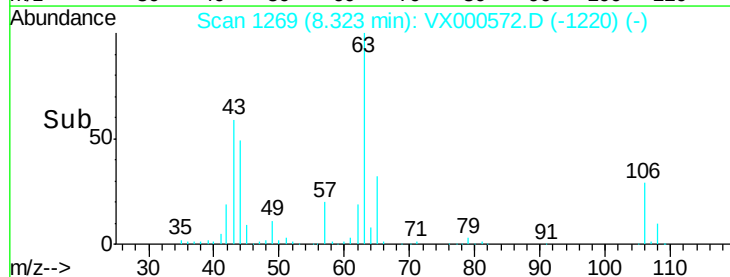
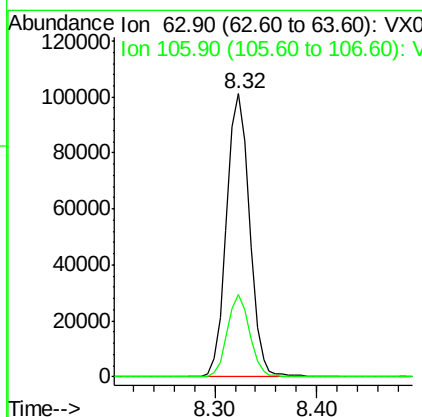
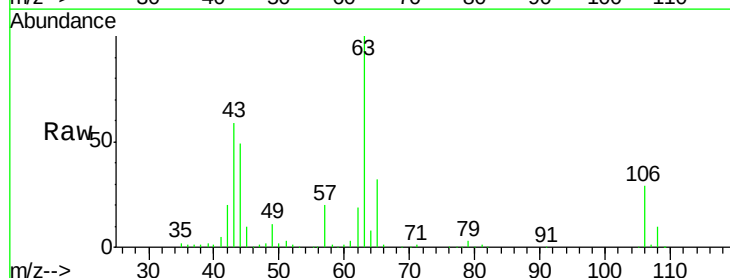
Manual Integrations
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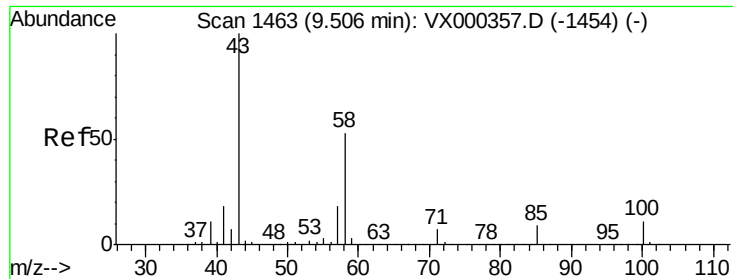
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.96 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Tgt Ion: 63 Resp: 158566
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.2 34.8





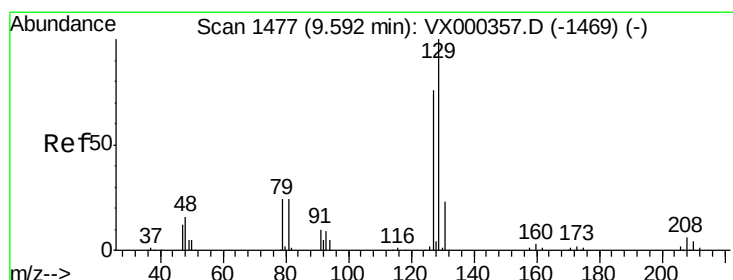
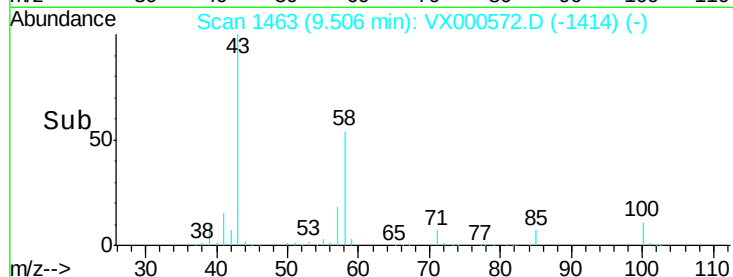
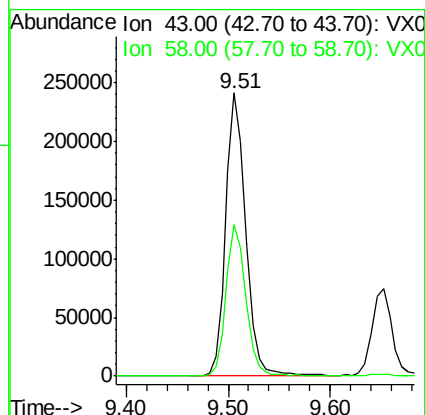
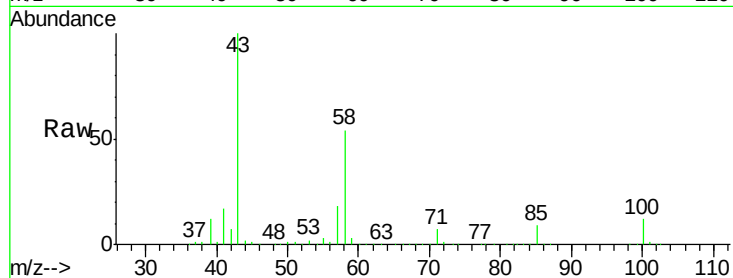
#59
2-Hexanone
Concen: 94.94 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampled :
VX0330WBSD01

Tot Ion: 43 Resp: 331473
Ion Ratio Lower Upper
43 100
58 53.1 26.6 79.7

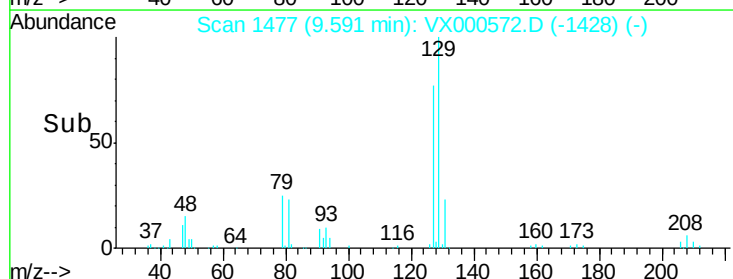
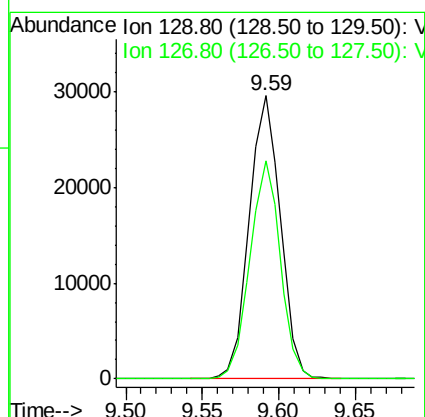
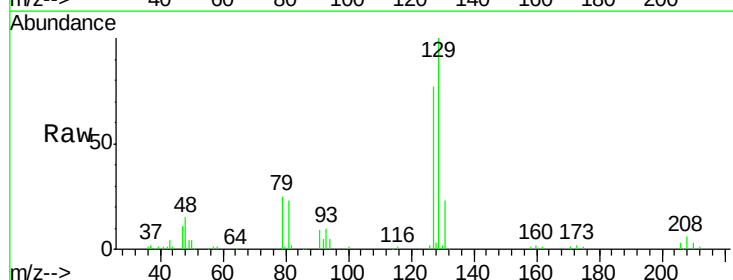
Manual Integrations
APPROVED

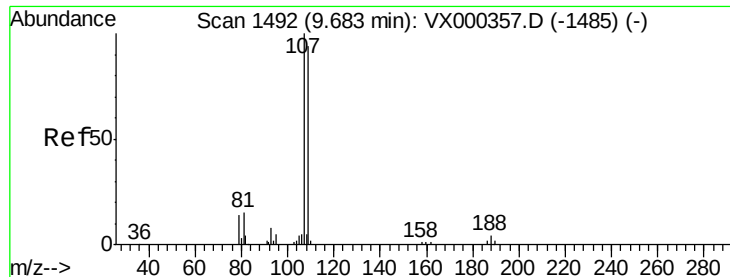
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#60
Dibromochloromethane
Concen: 19.05 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion: 129 Resp: 42006
Ion Ratio Lower Upper
129 100
127 75.3 37.9 113.6





#61

1,2-Dibromoethane

Concen: 20.11 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion:107 Resp: 47046

Ion Ratio Lower Upper

107 100

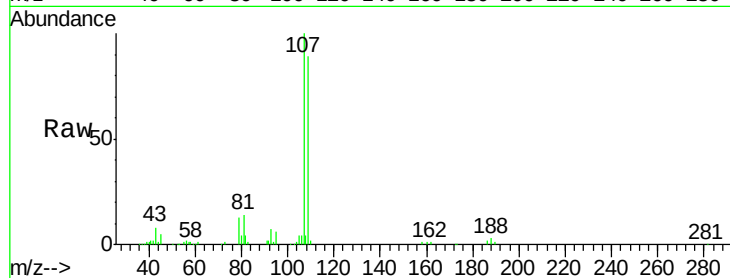
109 91.4 76.1 114.1

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

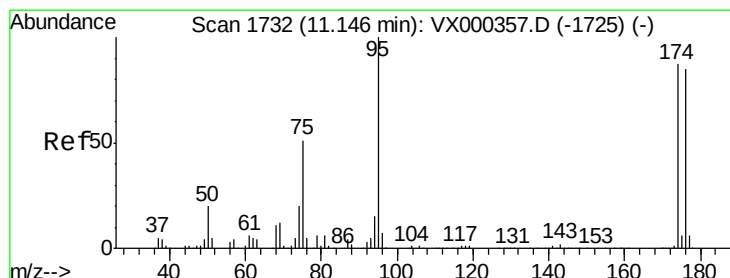
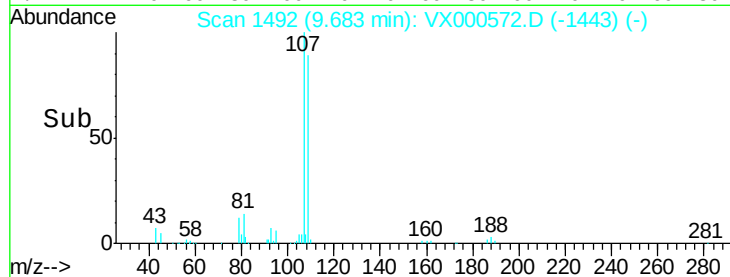
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.53 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

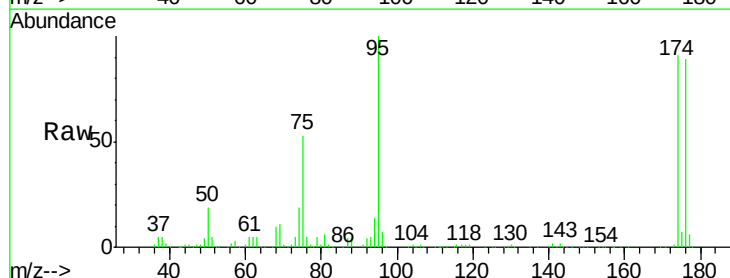
Tgt Ion: 95 Resp: 141627

Ion Ratio Lower Upper

95 100

174 88.4 0.0 173.6

176 87.3 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.15

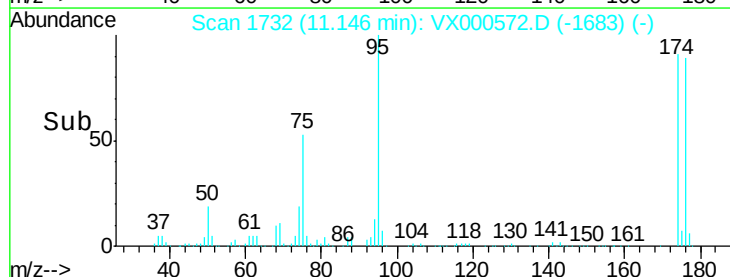
150000

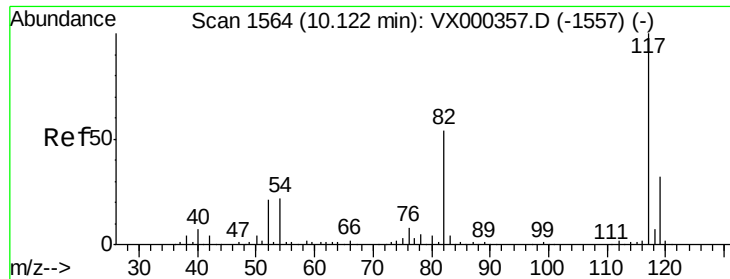
100000

50000

0

Time-->





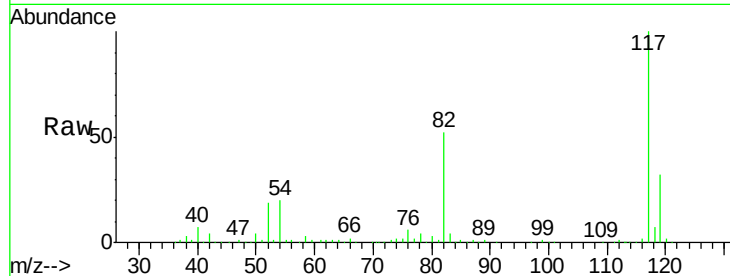
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.8	65.8
119	32.3	24.9	37.3

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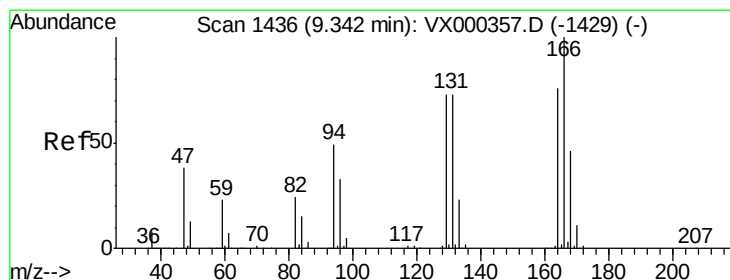
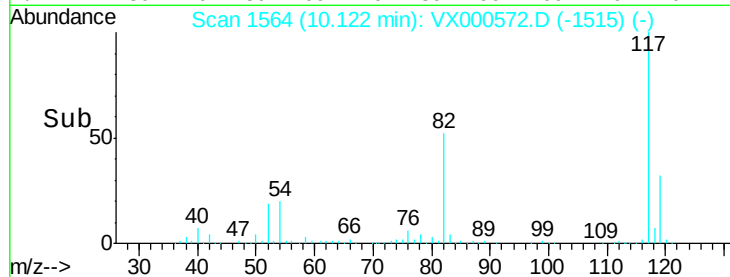
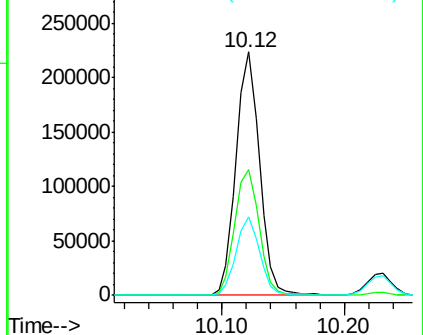


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.20 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	101.0	151.6
129	98.3	79.0	118.4
131	93.0	71.9	107.9

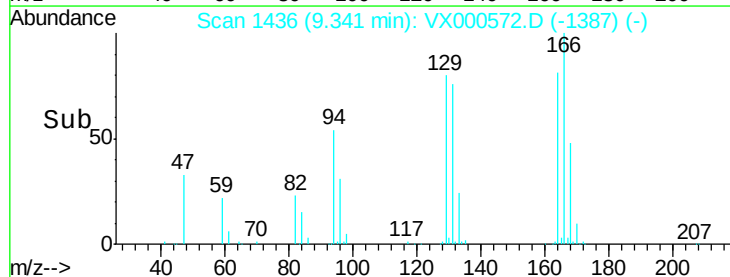
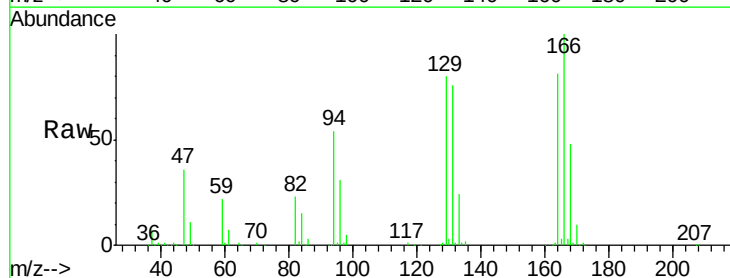
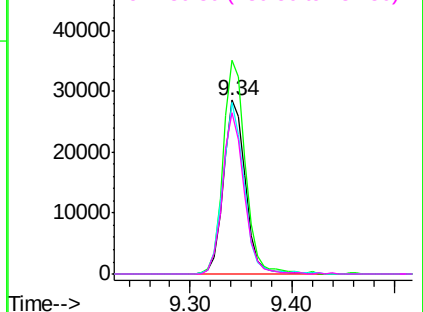
Abundance

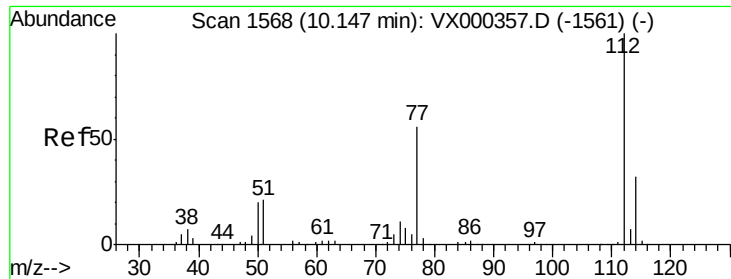
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





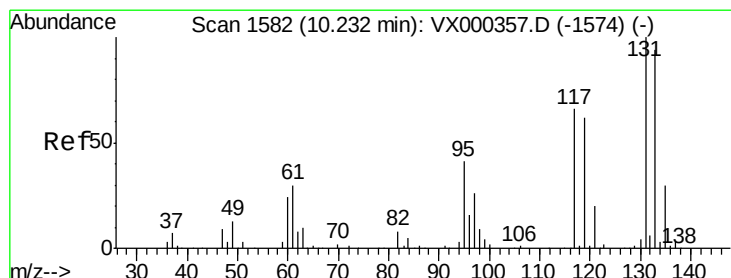
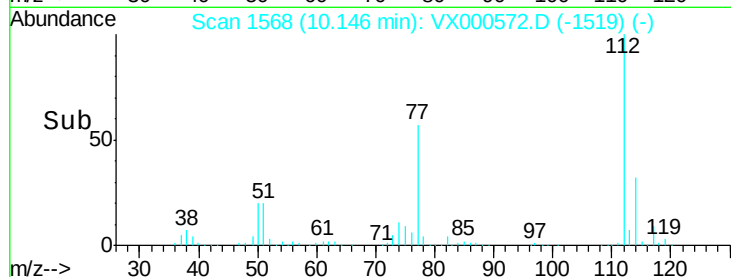
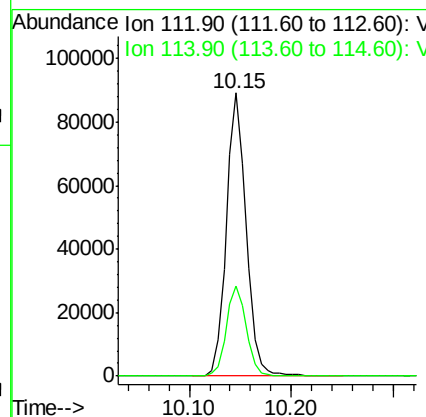
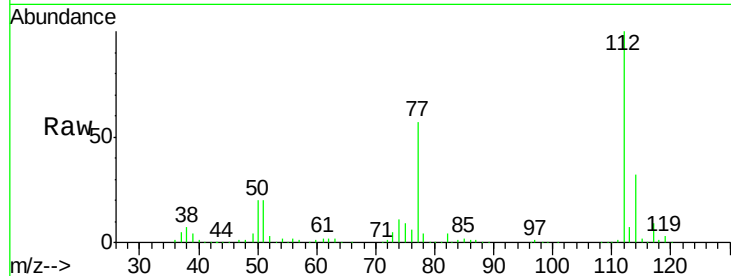
#65
Chlorobenzene
Concen: 18.08 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampled :
VX0330WBSD01

Tot Ion:112 Resp: 120284
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

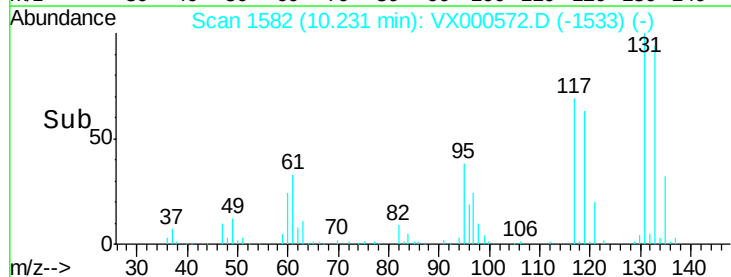
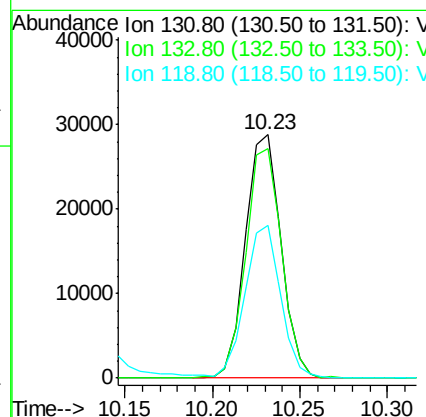
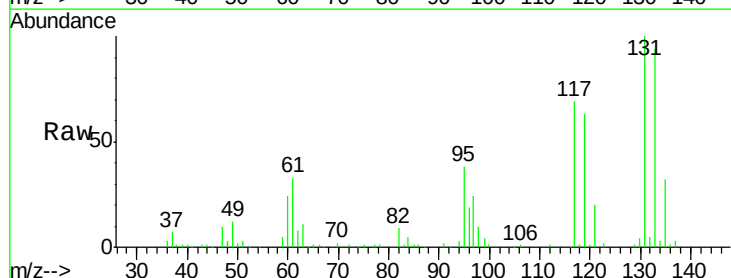
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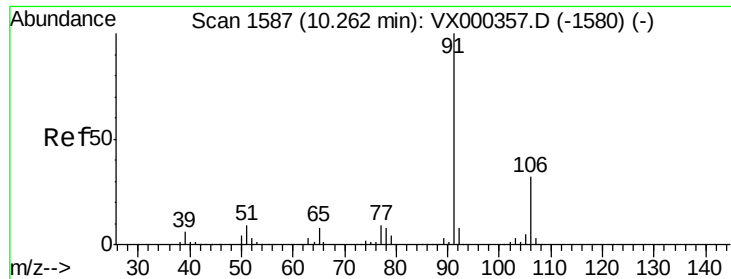
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.04 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion:131 Resp: 40749
Ion Ratio Lower Upper
131 100
133 95.2 47.1 141.3
119 63.1 33.1 99.2





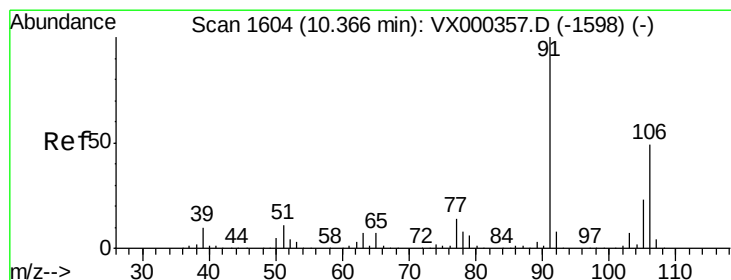
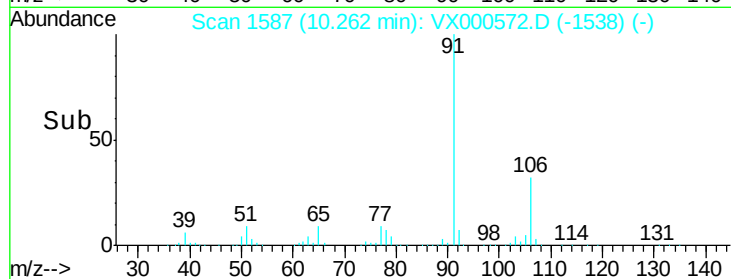
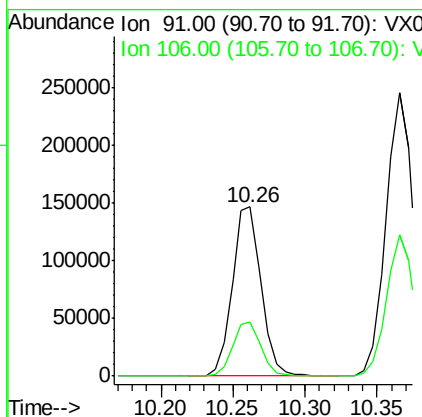
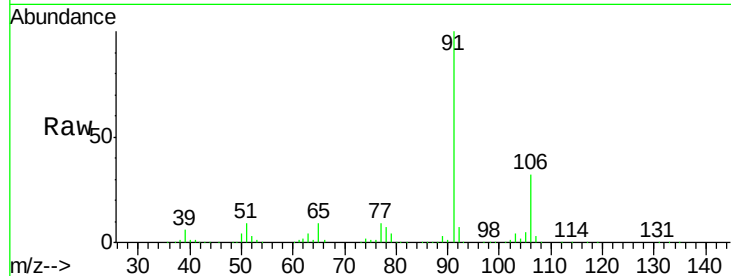
#67
Ethyl Benzene
Concen: 18.13 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampled :
VX0330WBSD01

Tot Ion: 91 Resp: 204495
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6

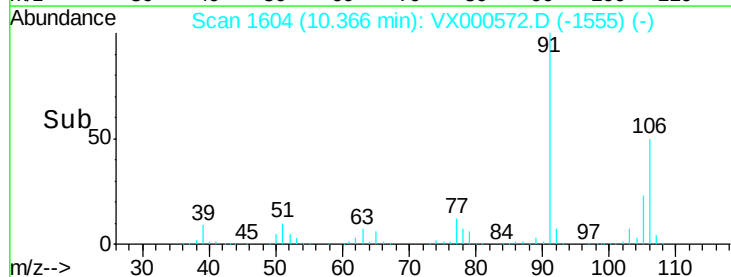
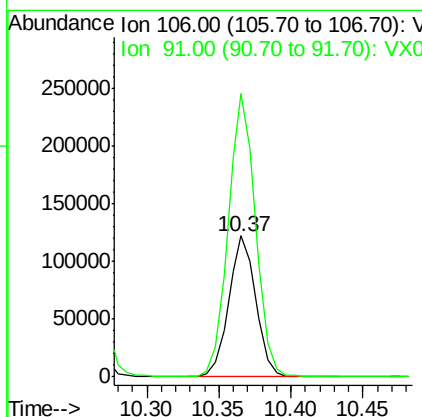
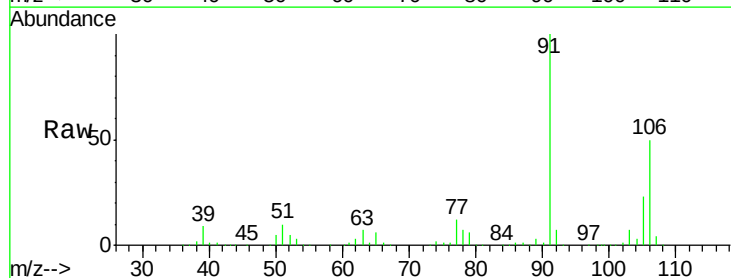
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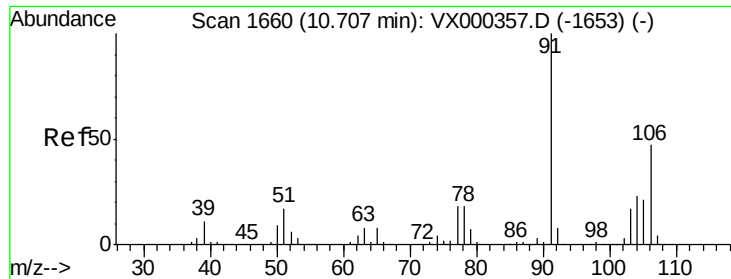
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#68
m/p-Xylenes
Concen: 36.24 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion: 106 Resp: 160804
Ion Ratio Lower Upper
106 100
91 202.3 163.4 245.2





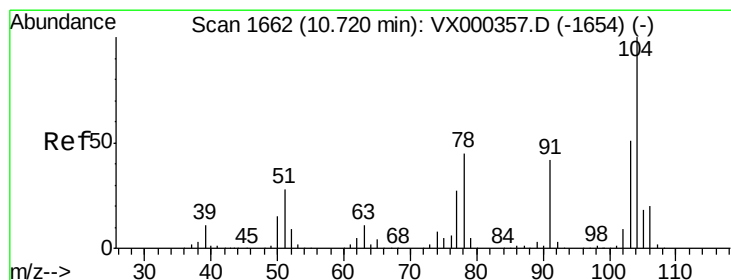
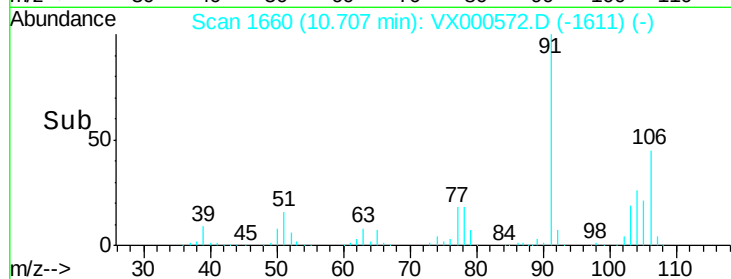
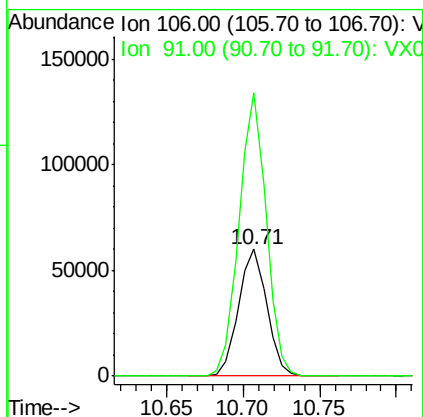
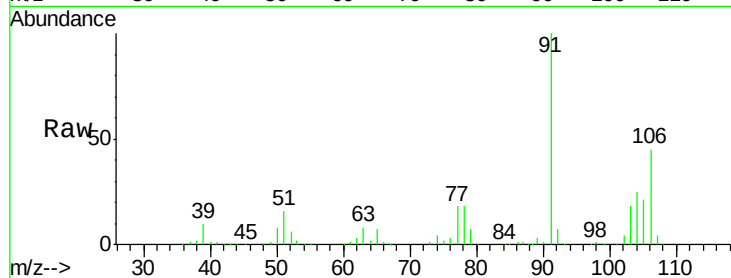
#69
o-Xylene
Concen: 17.89 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBSD01

Tot Ion:106 Resp: 76870
Ion Ratio Lower Upper
106 100
91 215.8 106.5 319.6

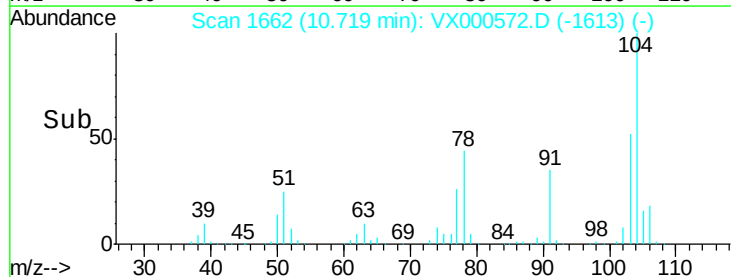
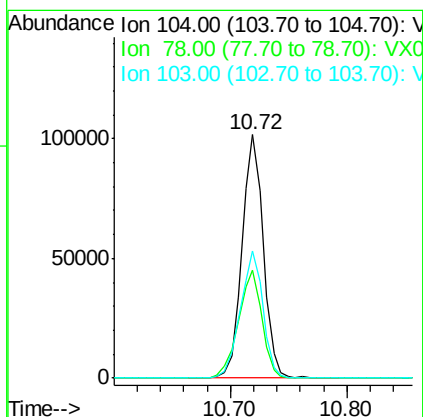
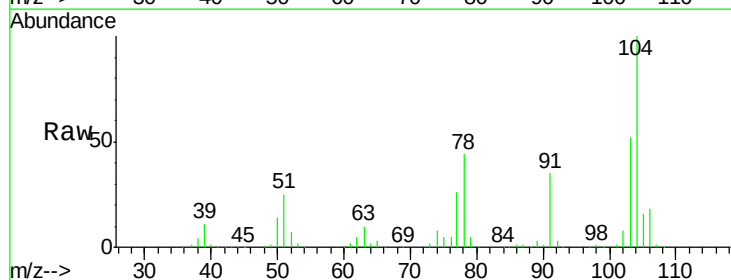
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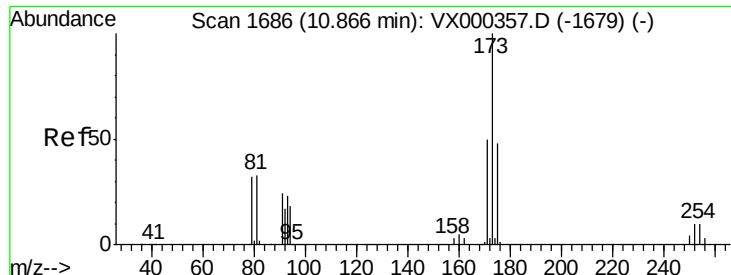
sam
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#70
Styrene
Concen: 18.27 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion:104 Resp: 129878
Ion Ratio Lower Upper
104 100
78 49.0 40.5 60.7
103 56.0 45.7 68.5





#71

Bromoform

Concen: 17.14 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion:173 Resp: 32183

Ion Ratio Lower Upper

173 100

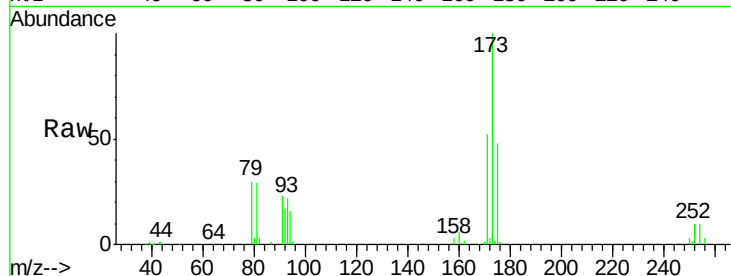
175 47.6 25.4 76.4

254 0.0 0.0 0.0

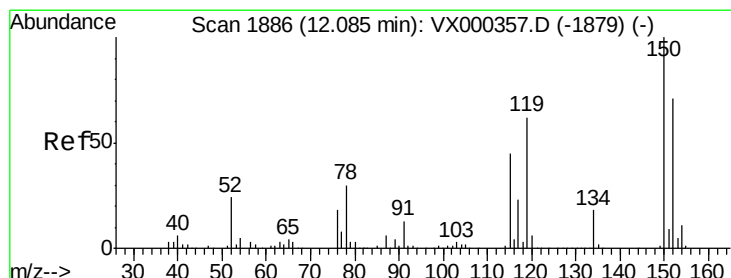
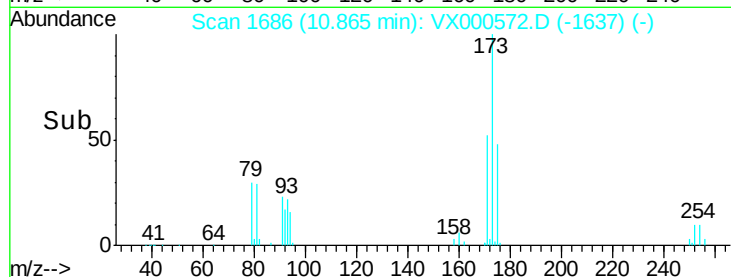
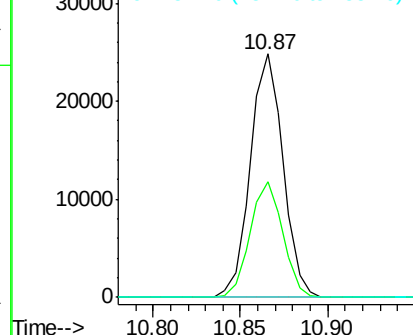
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

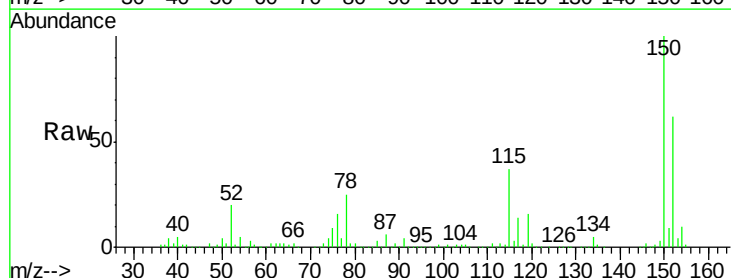
Tgt Ion:152 Resp: 177461

Ion Ratio Lower Upper

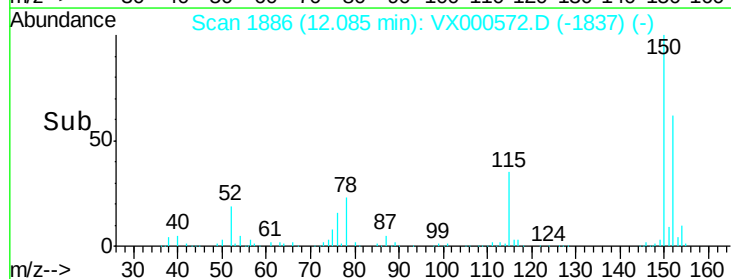
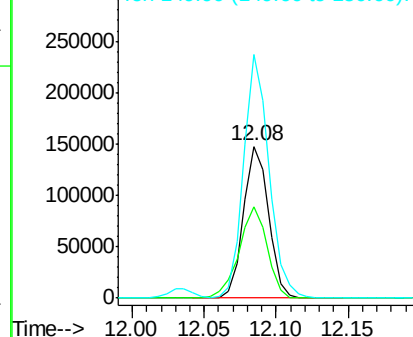
152 100

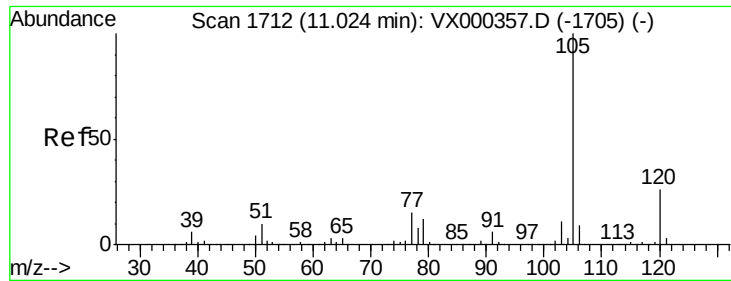
115 67.5 39.8 119.3

150 163.5 0.0 344.4



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





#73

Isopropylbenzene

Concen: 18.10 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion:105 Resp: 212786

Ion Ratio Lower Upper

105 100

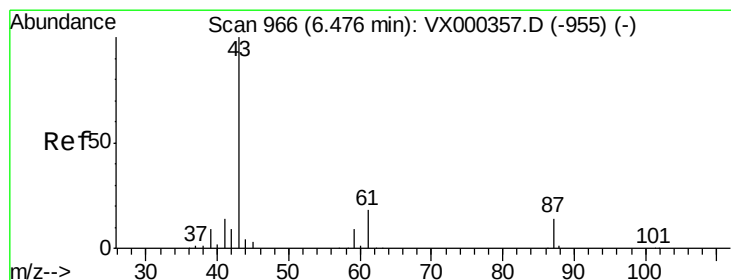
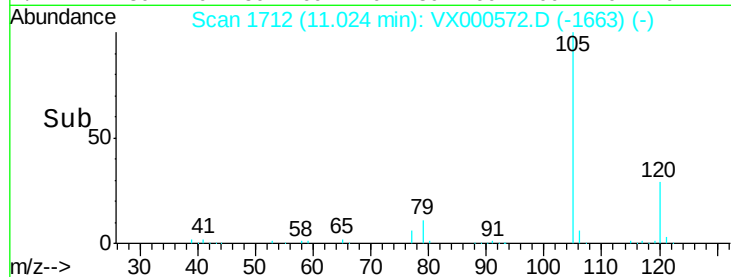
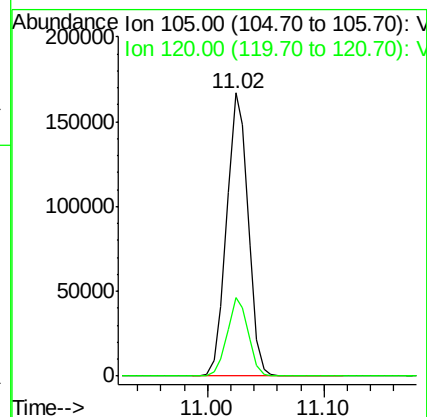
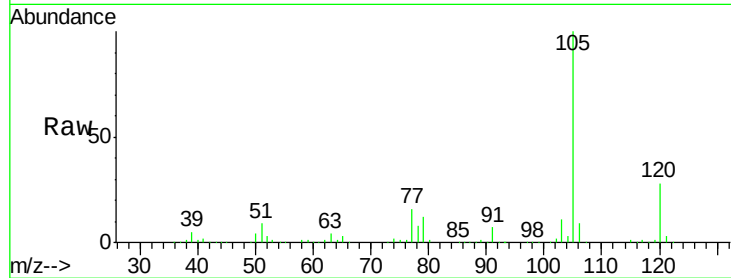
120 26.9 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.77 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Tgt Ion: 43 Resp: 97179

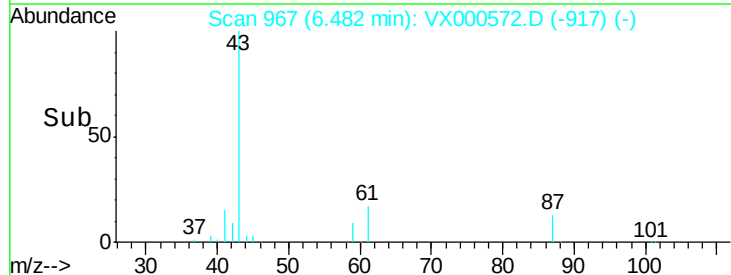
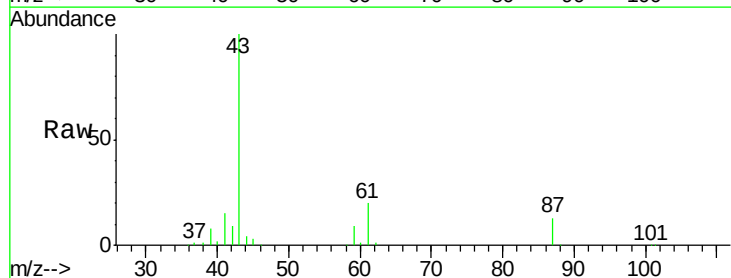
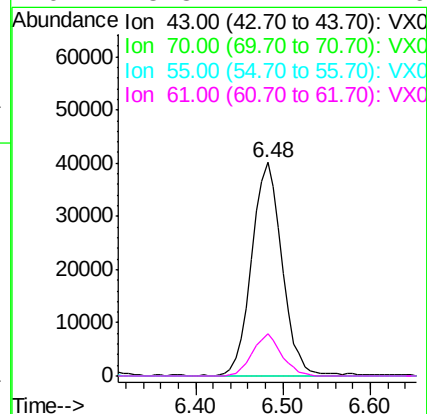
Ion Ratio Lower Upper

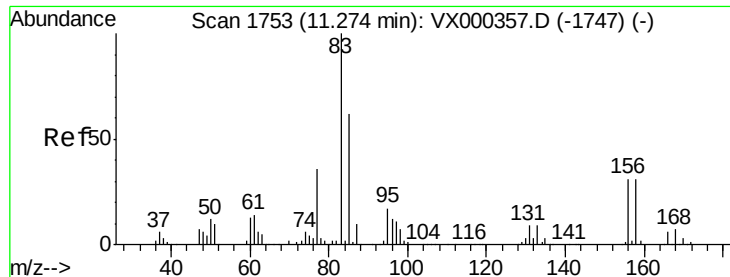
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.8 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.12 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

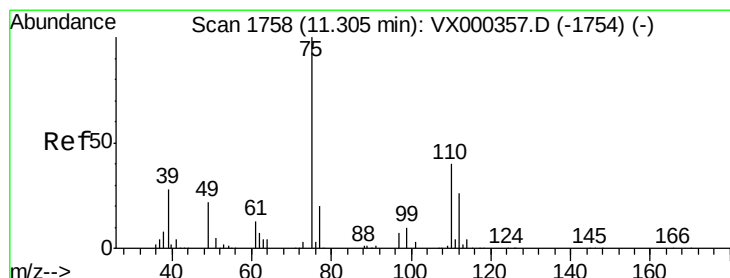
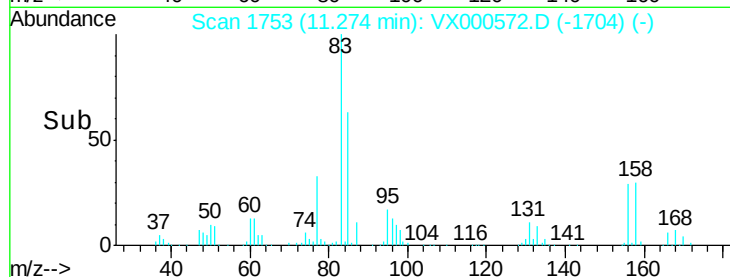
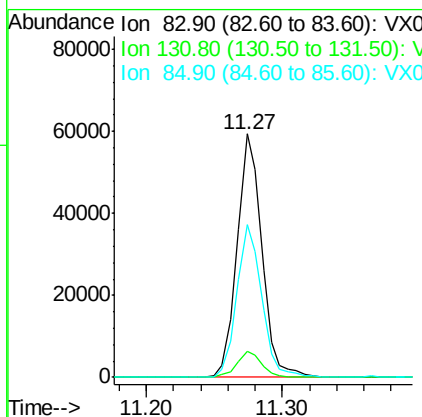
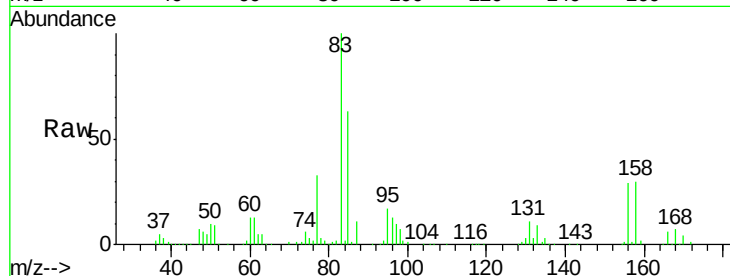
ClientSampleId :

VX0330WBSD01

Tot Ion:	83	Resp:	75351
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	14.9
85	63.2	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.07 ug/l m

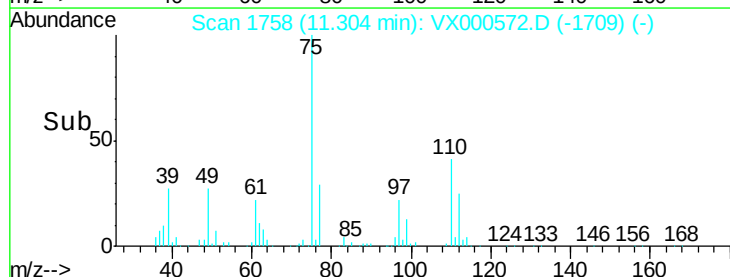
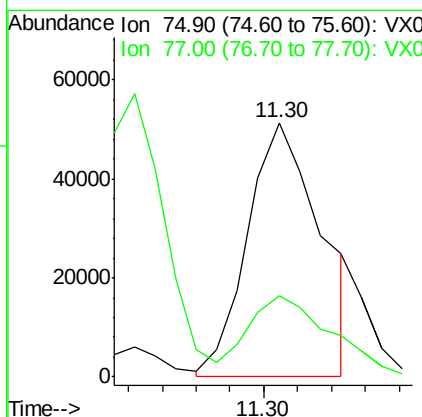
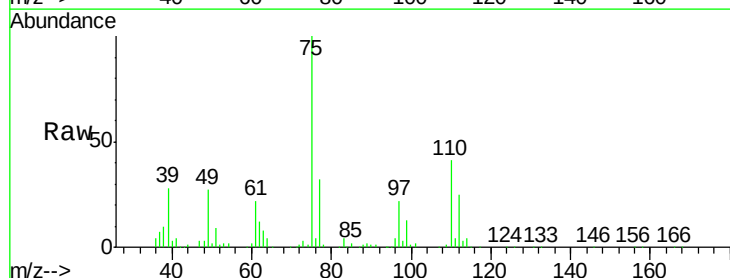
RT: 11.30 min Scan# 1758

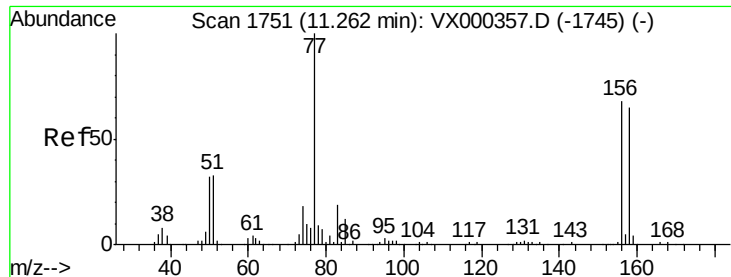
Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Tgt Ion:	75	Resp:	76556
Ion	Ratio	Lower	Upper
75	100		
77	36.4	21.4	64.2





#77

Bromobenzene

Concen: 17.25 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

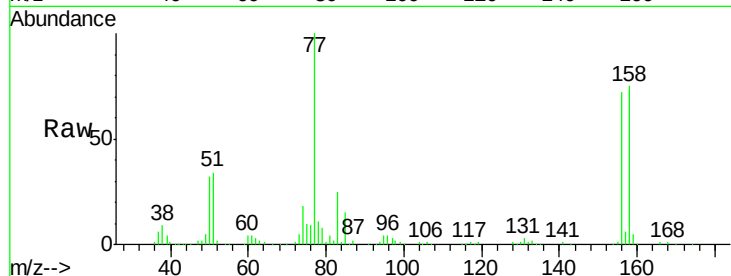
ClientSampleId :

VX0330WBSD01

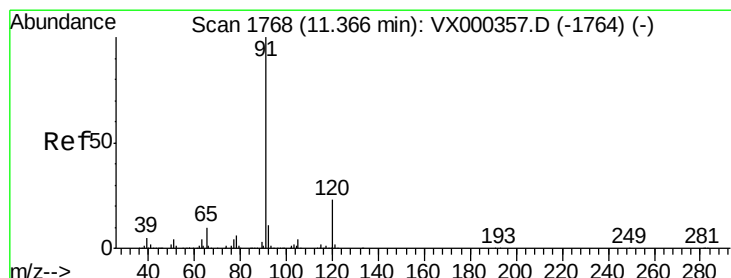
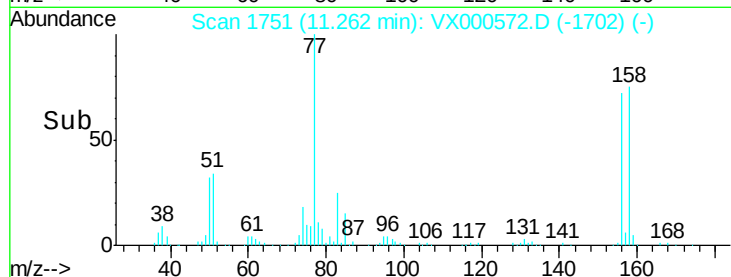
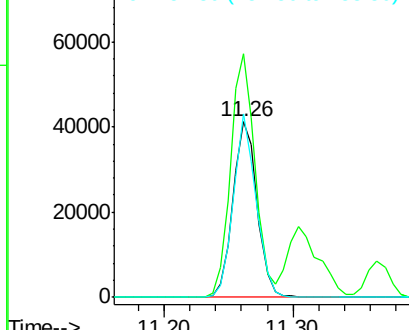
Tot Ion:	156	Resp:	54025
Ion	Ratio	Lower	Upper
156	100		
77	140.5	73.4	220.2
158	97.9	48.5	145.6

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.77 ug/l

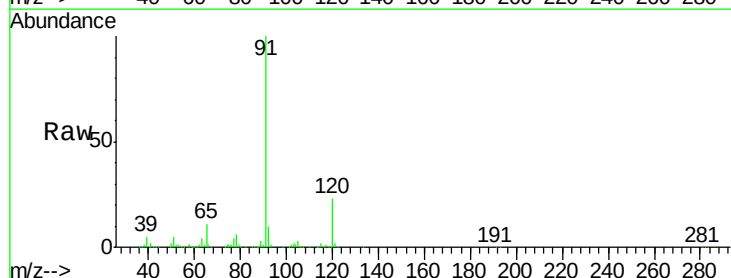
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

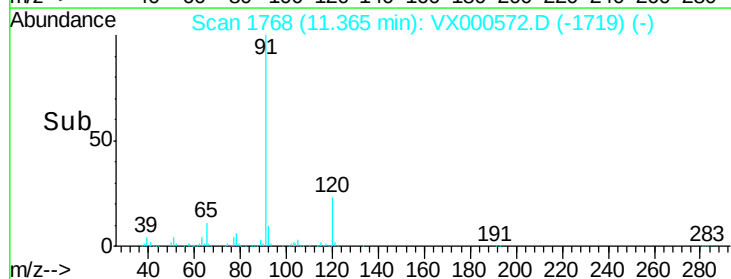
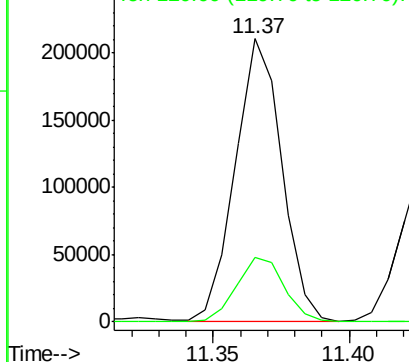
Lab File: VX000572.D

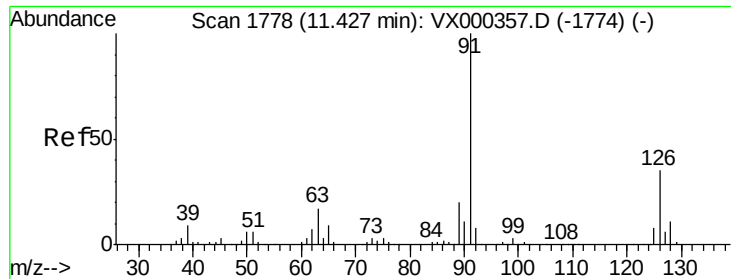
Acq: 30 Mar 2018 20:30

Tgt Ion:	91	Resp:	249071
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.71 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion: 91 Resp: 143424

Ion Ratio Lower Upper

91 100

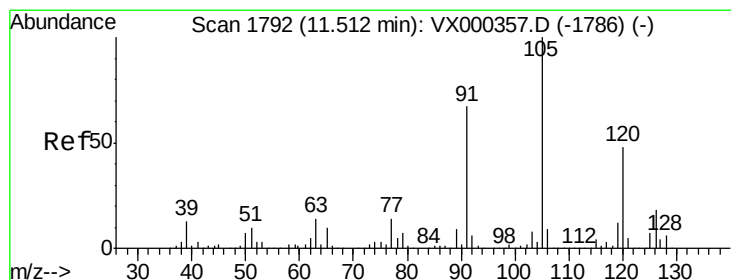
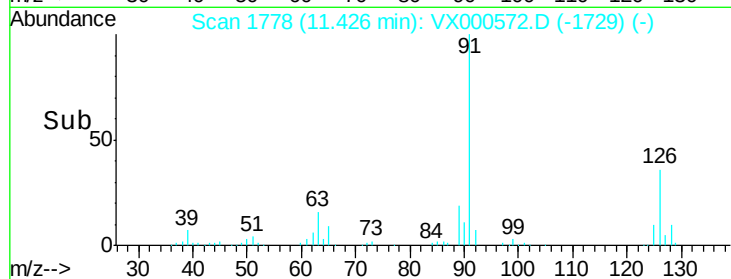
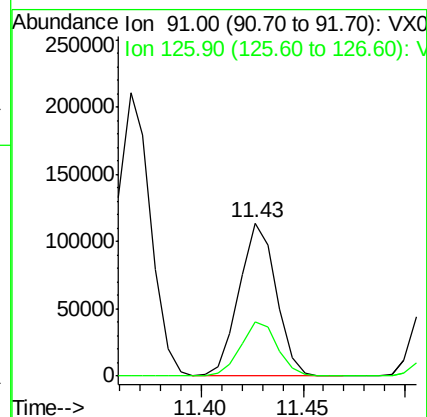
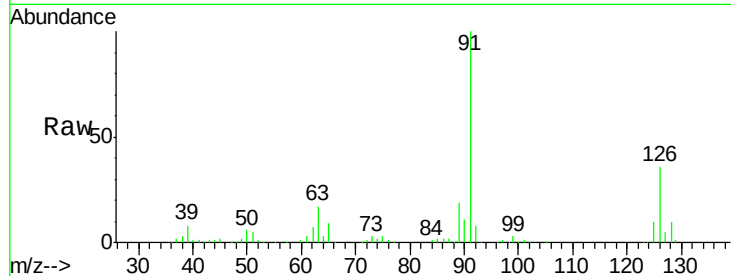
126 35.6 17.7 53.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.13 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000572.D

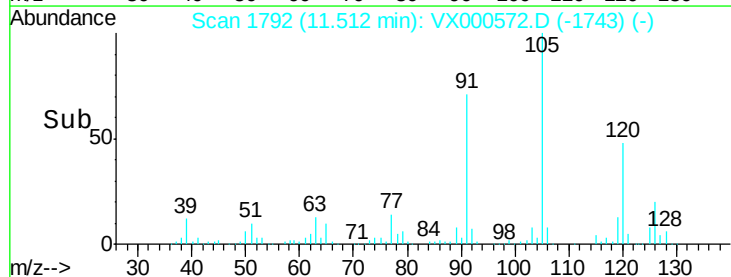
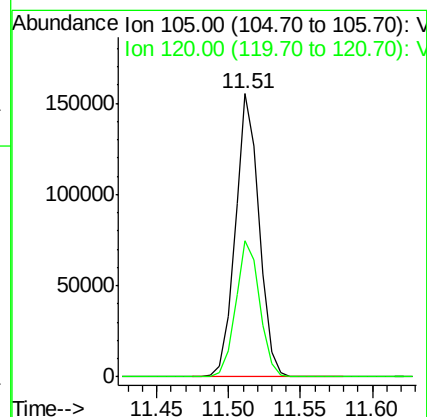
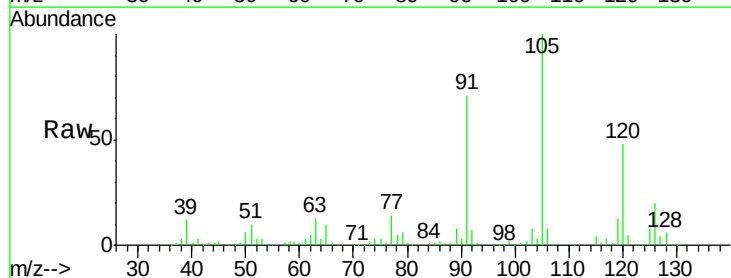
Acq: 30 Mar 2018 20:30

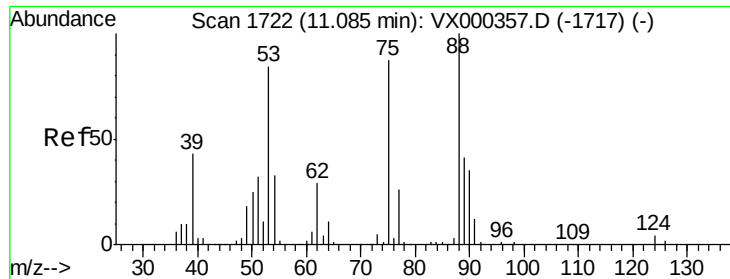
Tgt Ion: 105 Resp: 179224

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.4





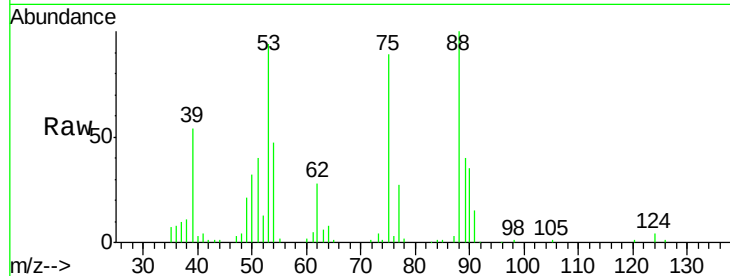
#81
trans-1,4-Dichloro-2-butene
Concen: 16.08 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.01 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampled :
VX0330WBSD01

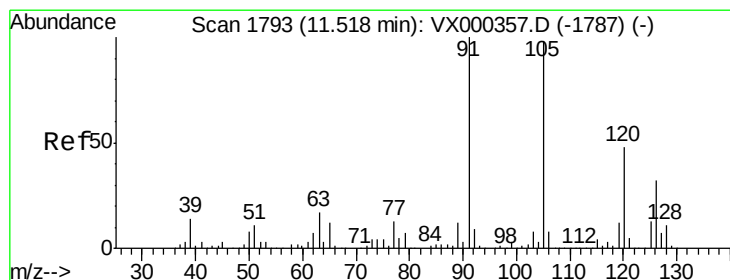
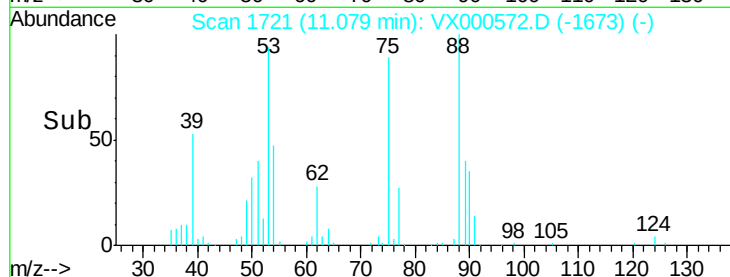
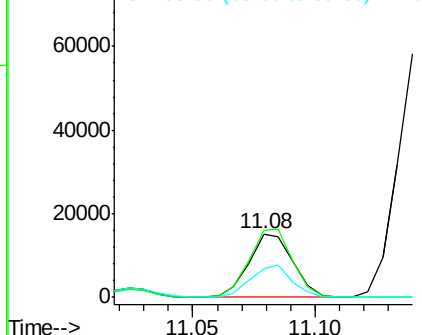
Tot Ion	Ratio	Lower	Upper
75	100		
53	107.6	80.7	121.1
89	48.3	39.4	59.0

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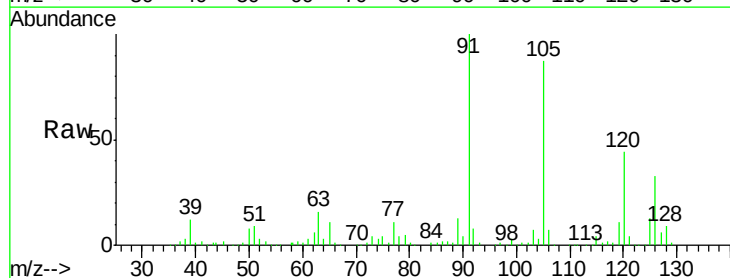


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

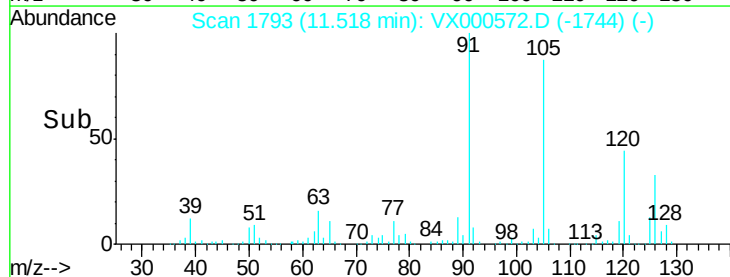
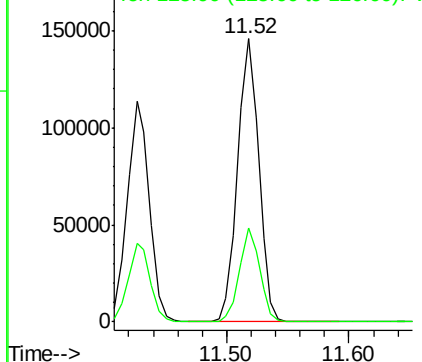


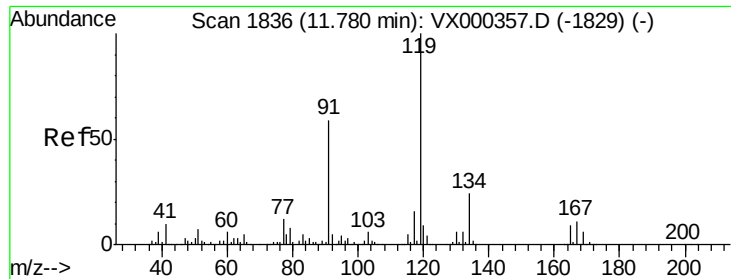
#82
4-Chlorotoluene
Concen: 18.01 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.4	46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





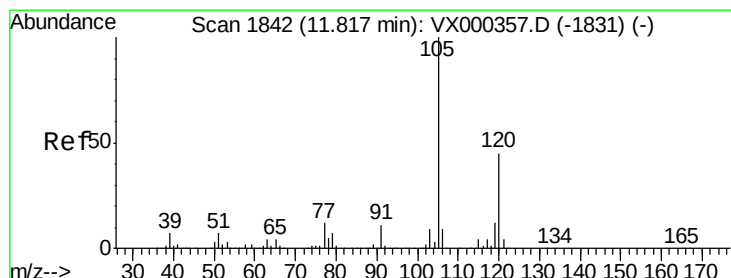
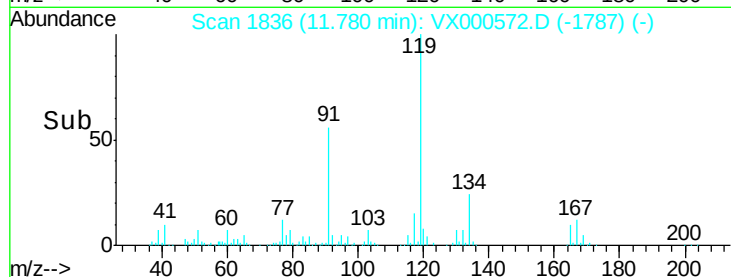
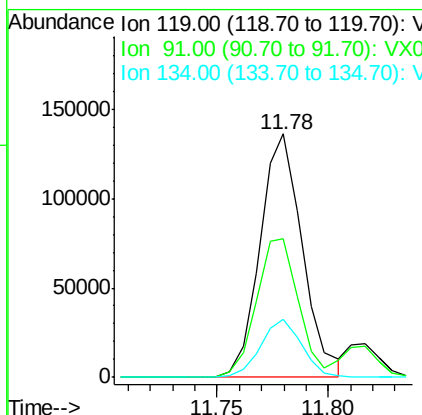
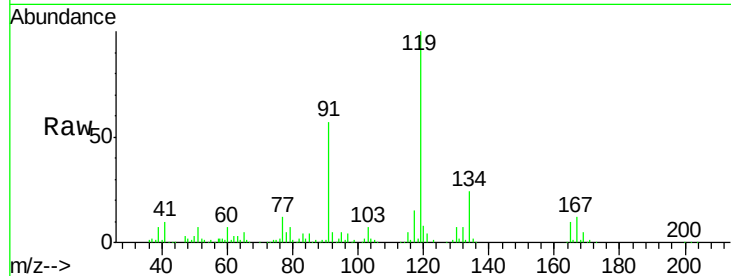
#83
 tert-Butylbenzene
 Concen: 18.09 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Instrument :
 MSVOA_X
 ClientSampled :
 VX0330WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	180408		
91	56.3	28.8	86.4	
134	23.2	11.4	34.1	

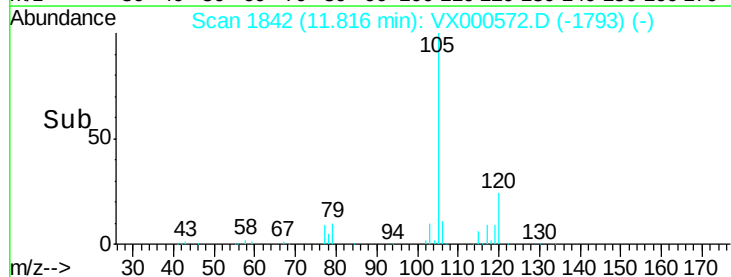
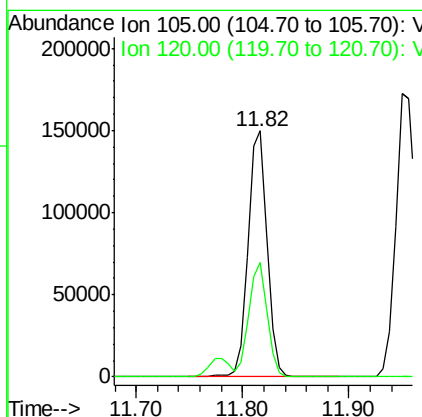
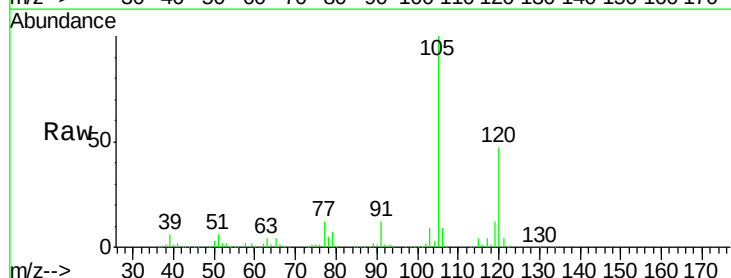
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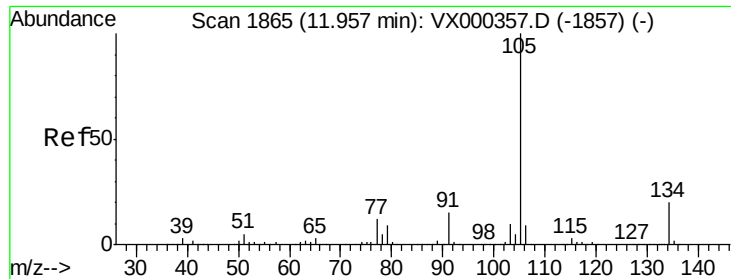
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.12 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	187835		
120	45.1	22.4	67.3	





#85

sec-Butylbenzene

Concen: 17.87 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBSD01

Tot Ion:105 Resp: 220522

Ion Ratio Lower Upper

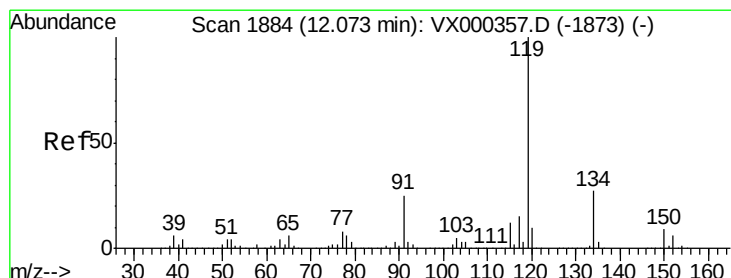
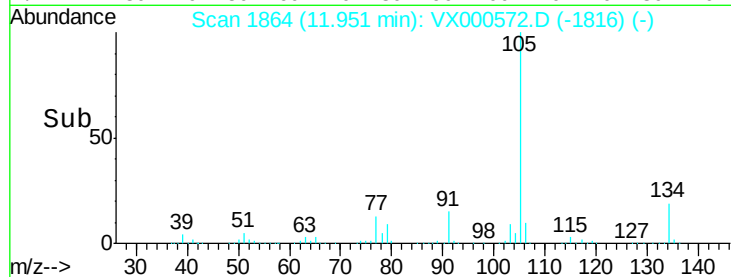
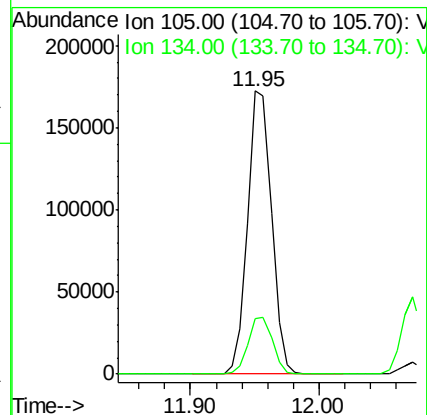
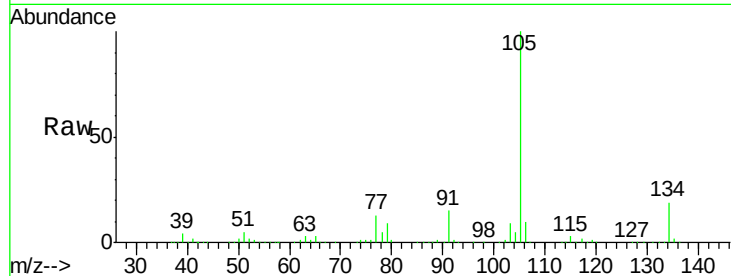
105 100

134 20.4 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 18.42 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

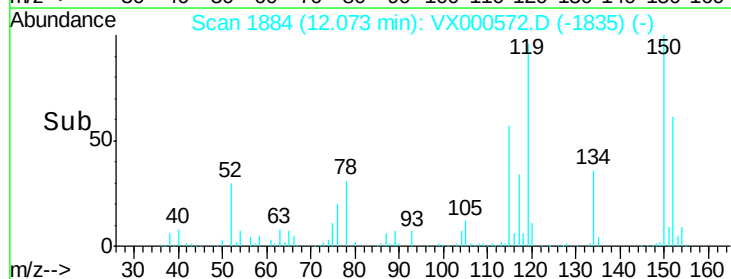
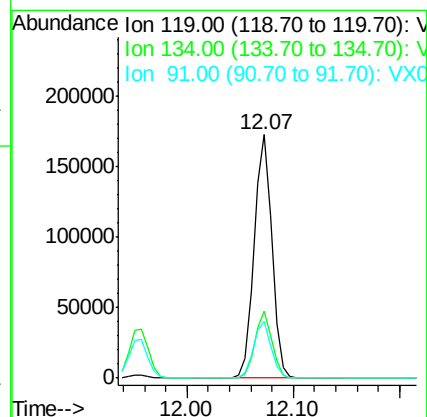
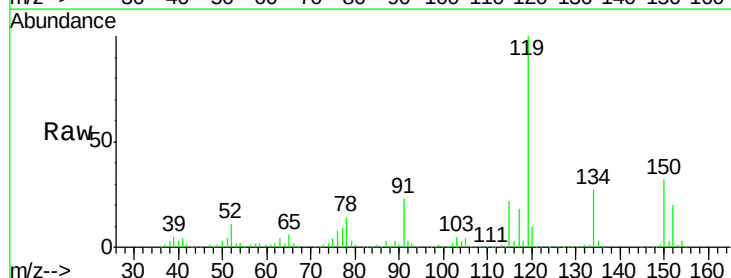
Tgt Ion:119 Resp: 201780

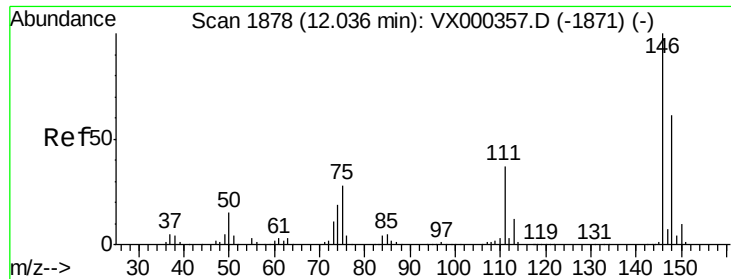
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.3 12.0 36.1





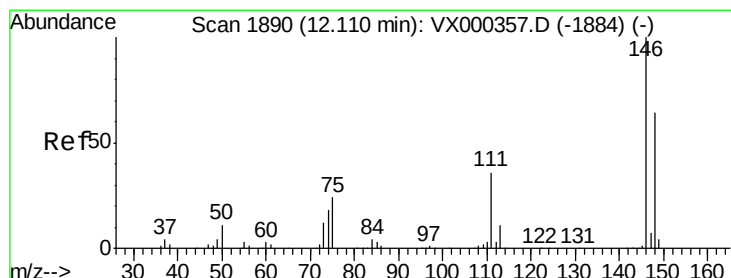
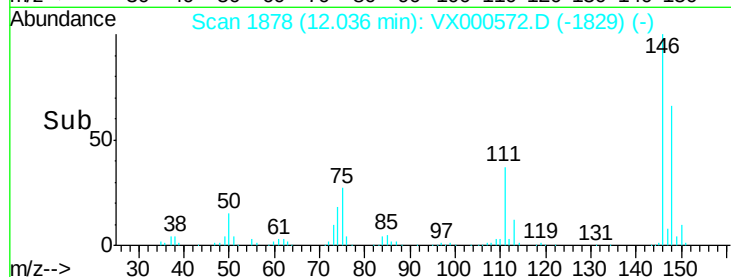
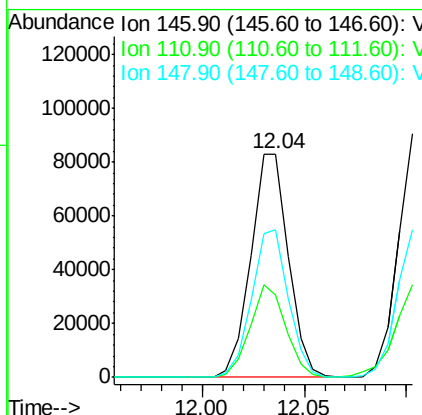
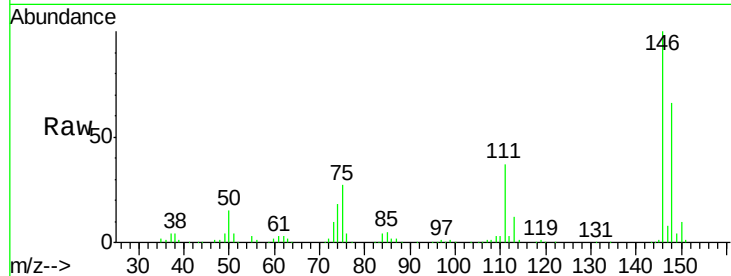
#87
 1,3-Dichlorobenzene
 Concen: 18.00 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	64.9	32.4	97.0

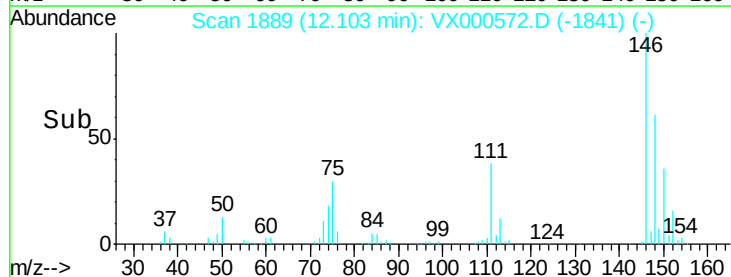
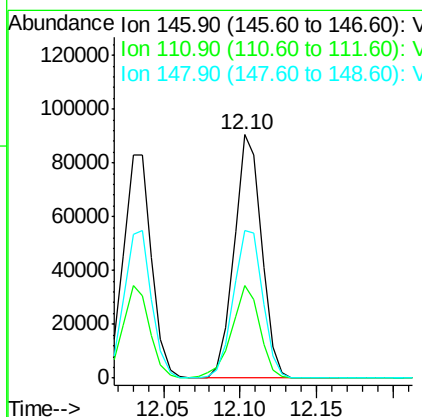
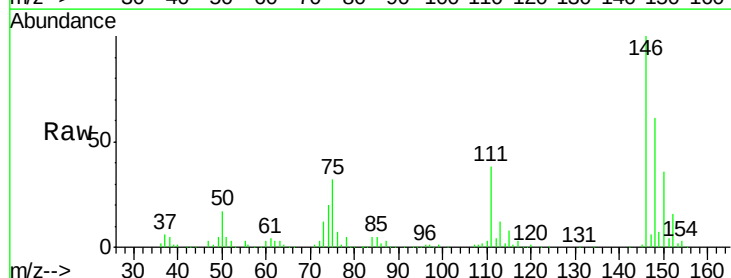
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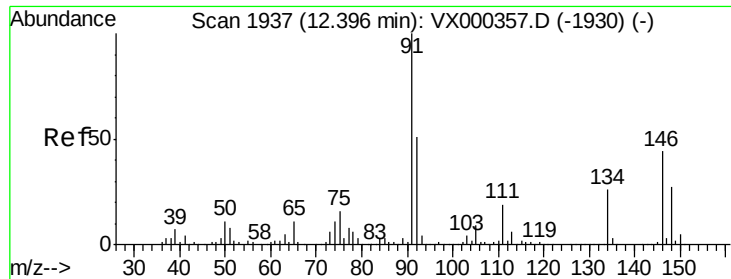
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#88
 1,4-Dichlorobenzene
 Concen: 18.00 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.9	56.9
148	65.0	31.0	93.0





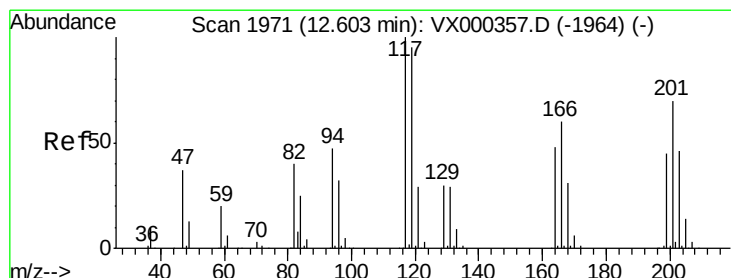
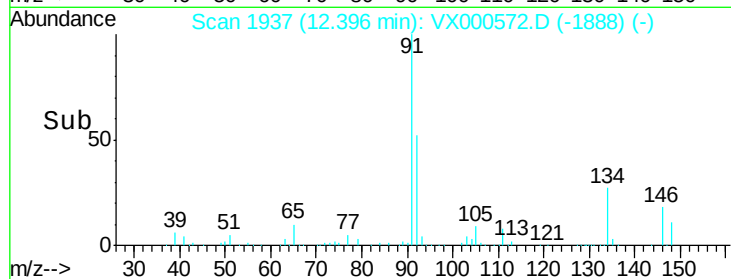
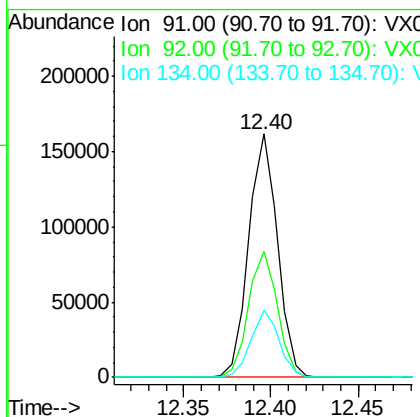
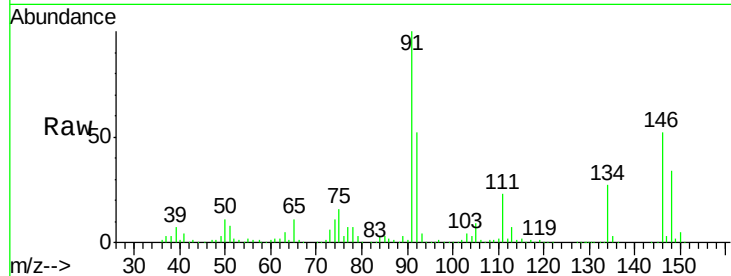
#89
n-Butylbenzene
Concen: 18.16 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	26.7	13.1	39.3

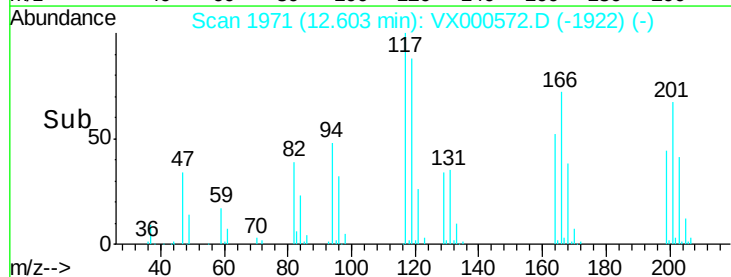
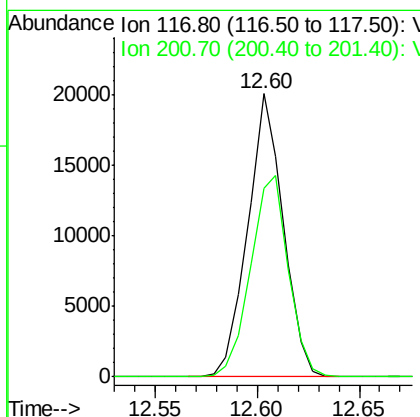
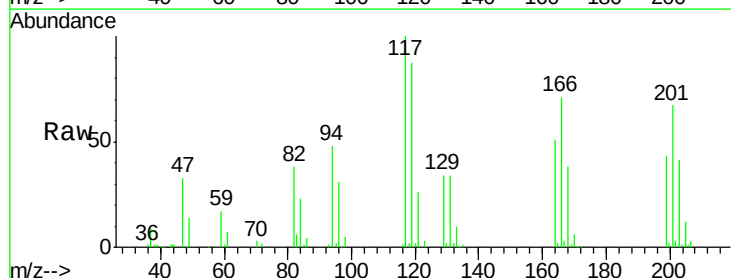
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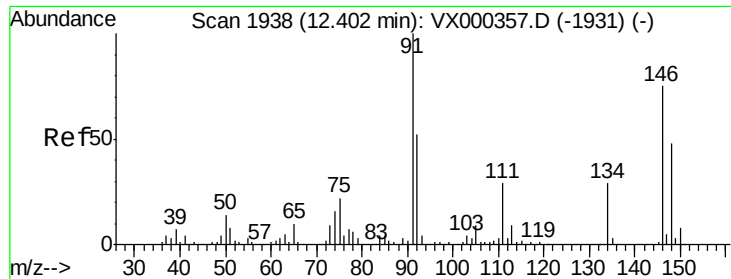
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#90
Hexachloroethane
Concen: 14.12 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000572.D
Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.6	37.9	113.6





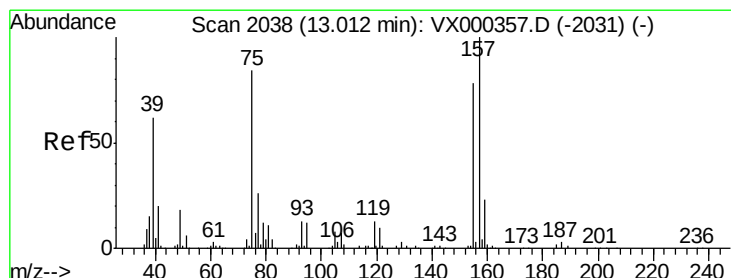
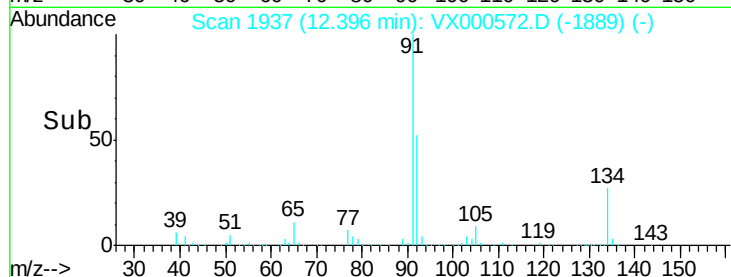
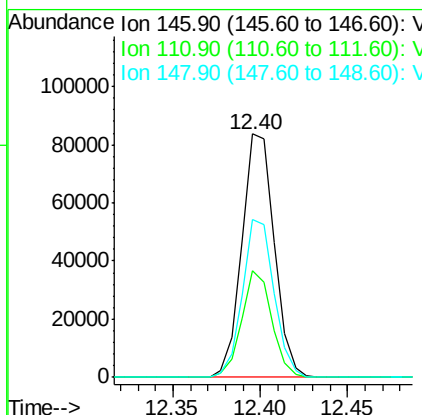
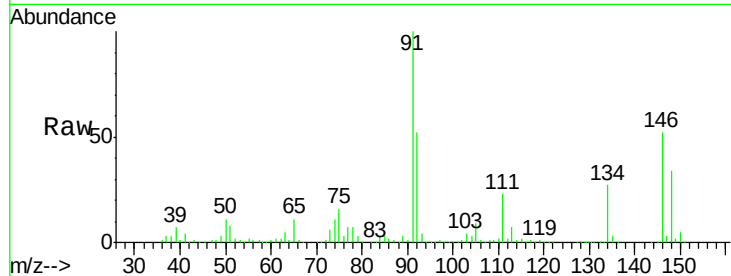
#91
 1,2-Dichlorobenzene
 Concen: 18.62 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.01 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	108087		
111	40.5		20.1	60.2
148	63.2		31.2	93.6

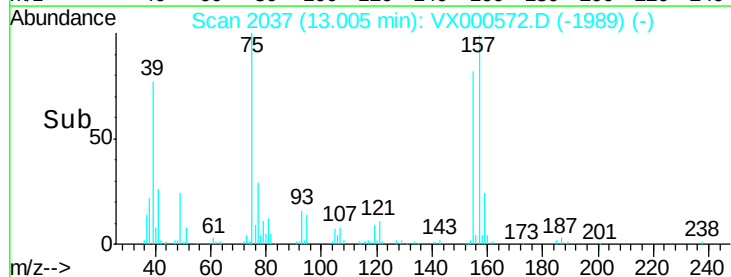
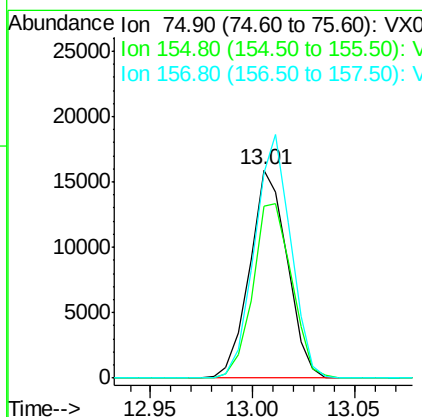
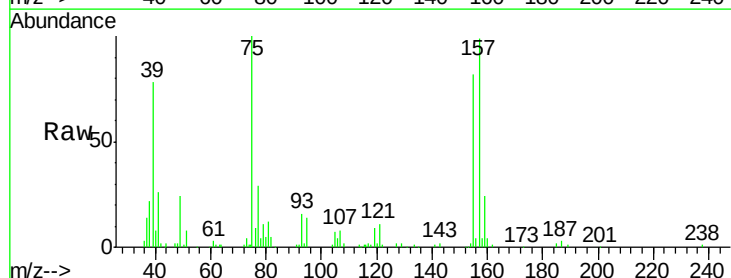
Manual Integrations
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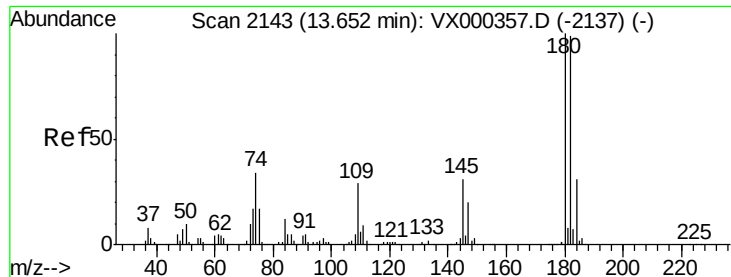
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.53 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20327		
155	86.7		45.0	134.8
157	112.9		58.1	174.2





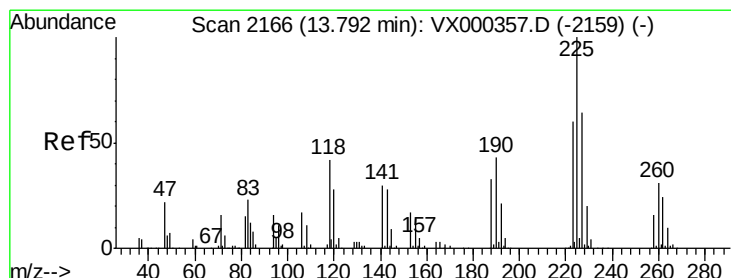
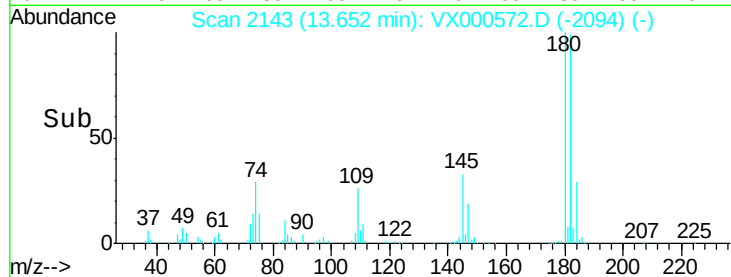
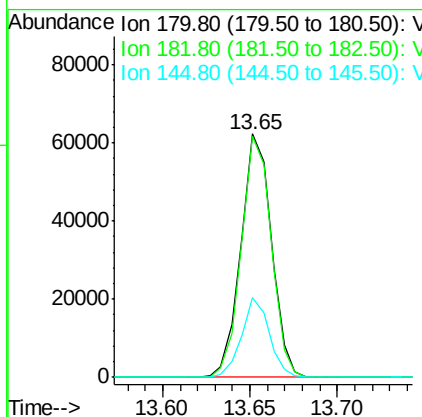
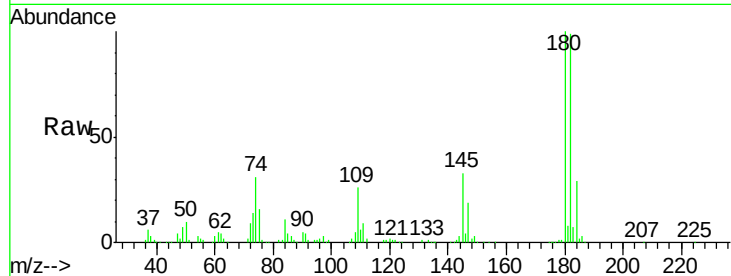
#93
 1,2,4-Trichlorobenzene
 Concen: 18.31 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Instrument :
 MSVOA_X
 ClientSampled :
 VX0330WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.9
145	29.8	15.1	45.3

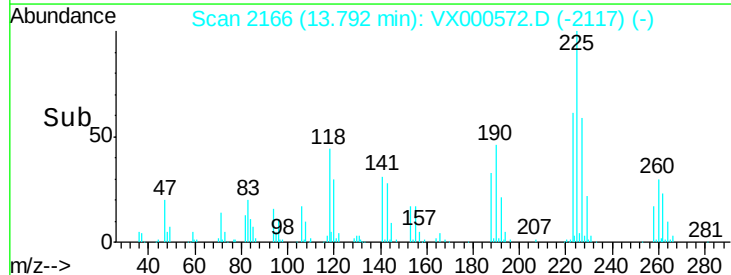
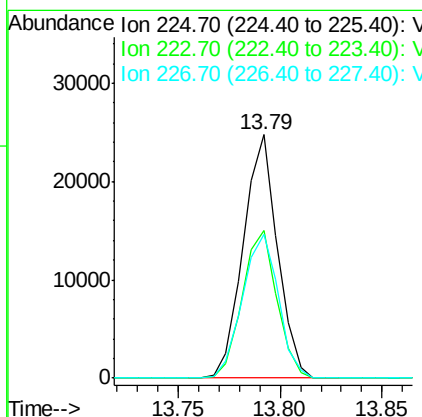
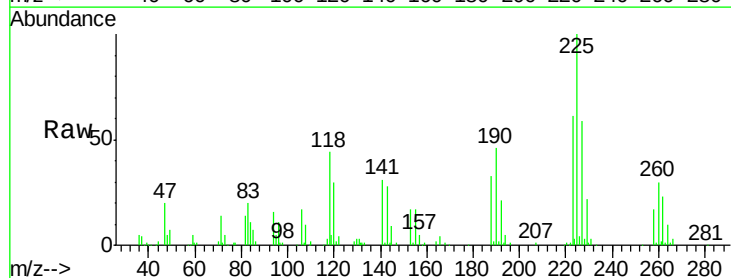
Manual Integrations
 APPROVED

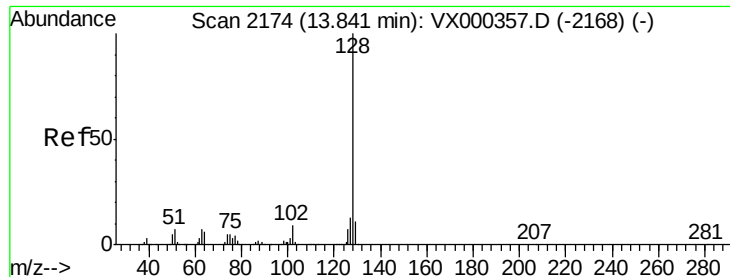
sam
 4/4/2018 6:11:31 PM



#94
 Hexachlorobutadiene
 Concen: 16.72 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000572.D
 Acq: 30 Mar 2018 20:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.0	96.0
227	62.1	32.6	98.0





#95

Naphthalene

Concen: 18.96 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Instrument :

MSVOA_X

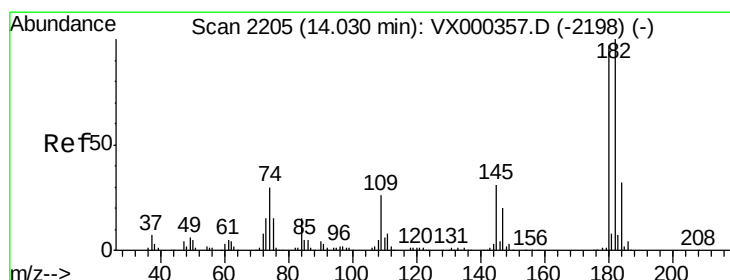
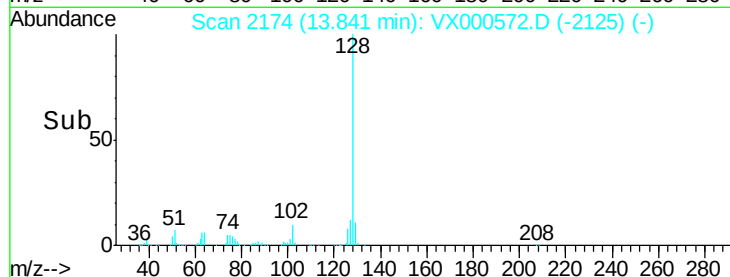
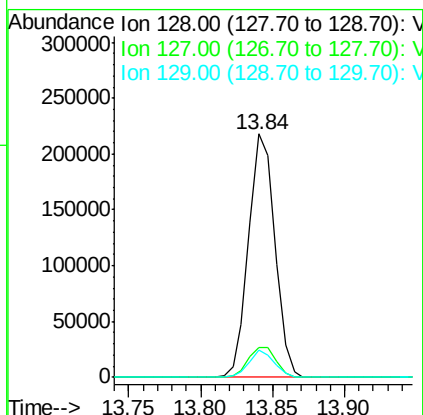
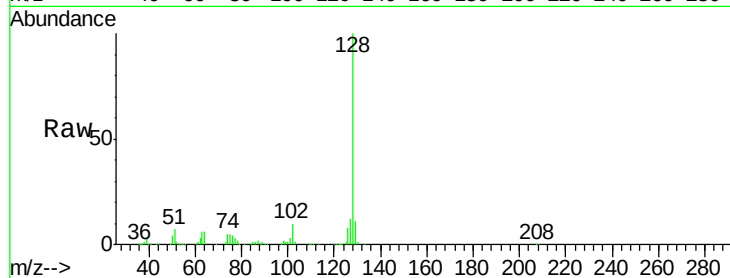
ClientSampleId :

VX0330WBSD01

Tot Ion:	128	Resp:	274868
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.7	8.9	13.3

Manual Integrations
APPROVED

sam
4/4/2018 6:11:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.53 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000572.D

Acq: 30 Mar 2018 20:30

Tgt Ion:	180	Resp:	76214
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.4	142.3
145	31.6	15.8	47.3

