

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000364.D
 Acq On : 20 Mar 2018 17:12
 Operator : JC/MD
 Sample : VX0320WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Manual Integrations
 APPROVED

sam
 3/21/2018 11:44:22 AM

Quant Time: Mar 21 05:00:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 14:01:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	117753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	189911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	102642	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	75719	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	5.51	113	58546	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.72	98	245151	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.15	95	90364	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	24062	18.54	ug/l	96
3) Chloromethane	1.32	50	26420	19.32	ug/l	99
4) Vinyl Chloride	1.41	62	29449	20.39	ug/l	95
5) Bromomethane	1.65	94	24600	14.26	ug/l	96
6) Chloroethane	1.73	64	18595	22.63	ug/l	98
7) Trichlorofluoromethane	1.93	101	49995	19.17	ug/l	99
8) Diethyl Ether	2.19	74	17838	19.14	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27742	19.08	ug/l	96
10) Methyl Iodide	2.52	142	19314	16.54	ug/l	99
11) Tert butyl alcohol	3.06	59	50796	96.07	ug/l	100
12) 1,1-Dichloroethene	2.38	96	23804	18.65	ug/l	97
13) Acrolein	2.30	56	13996	92.65	ug/l	99
14) Allyl chloride	2.73	41	45158	19.97	ug/l	99
15) Acrylonitrile	3.15	53	102817	96.01	ug/l	99
16) Acetone	2.45	43	121151	94.75	ug/l	99
17) Carbon Disulfide	2.57	76	64845	19.11	ug/l	99
18) Methyl Acetate	2.78	43	52787	19.69	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	89909	19.05	ug/l	99
20) Methylene Chloride	2.86	84	29184	19.76	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	26345	18.50	ug/l	94
22) Diisopropyl ether	3.88	45	86285	21.63	ug/l	96
23) Vinyl Acetate	3.83	43	411893	108.90	ug/l	98
24) 1,1-Dichloroethane	3.70	63	50669	20.20	ug/l	96
25) 2-Butanone	4.71	43	137556	95.71	ug/l	98
26) 2,2-Dichloropropane	4.59	77	33183	18.87	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	25280	19.00	ug/l	99
28) Bromochloromethane	5.03	49	20137	19.47	ug/l	98
29) Tetrahydrofuran	5.17	42	84643	95.72	ug/l	99
30) Chloroform	5.23	83	45513	19.36	ug/l	92
31) Cyclohexane	5.59	56	35928	18.53	ug/l	93
32) 1,1,1-Trichloroethane	5.51	97	39529	18.64	ug/l	99
36) 1,1-Dichloropropene	5.81	75	32821	18.45	ug/l	97
37) Ethyl Acetate	4.87	43	46771	19.25	ug/l	100
38) Carbon Tetrachloride	5.79	117	34007	18.22	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	43127	19.93	ug/l	96
40) Benzene	6.15	78	98915	19.15	ug/l	98
41) Methacrylonitrile	5.06	41	24088	18.80	ug/l	98
42) 1,2-Dichloroethane	6.20	62	38620	19.05	ug/l	99
43) Isopropyl Acetate	6.47	43	69157	19.12	ug/l	98
44) Trichloroethene	7.22	130	28199	19.05	ug/l	93
45) 1,2-Dichloropropane	7.53	63	26796	20.26	ug/l	100
46) Dibromomethane	7.67	93	20356	19.61	ug/l	98
47) Bromodichloromethane	7.91	83	35200	19.28	ug/l	99
48) Methyl methacrylate	7.79	41	34818	19.83	ug/l	99
49) 1,4-Dioxane	7.77	88	13783	373.40	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	274262	97.96	ug/l	98
52) Toluene	8.79	92	69584	19.27	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	41118	19.43	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	39531	19.26	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	28636	19.28	ug/l	95
56) Ethyl methacrylate	9.19	69	42025	18.67	ug/l	97
57) 1,3-Dichloropropane	9.38	76	46782	19.69	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	106282	98.40	ug/l	99
59) 2-Hexanone	9.51	43	230669	97.03	ug/l	100
60) Dibromochloromethane	9.59	129	29580	19.56	ug/l	97
61) 1,2-Dibromoethane	9.68	107	30883	19.39	ug/l	100
64) Tetrachloroethene	9.34	164	30376	20.47	ug/l	98
65) Chlorobenzene	10.15	112	80279	18.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	28296	19.58	ug/l	96
67) Ethyl Benzene	10.26	91	140032	19.41	ug/l	99
68) m/p-Xylenes	10.37	106	105144	37.03	ug/l	99
69) o-Xylene	10.71	106	51919	18.89	ug/l	99
70) Styrene	10.72	104	84242	18.52	ug/l	97
71) Bromoform	10.87	173	22348	18.19	ug/l #	100
73) Isopropylbenzene	11.02	105	141565	20.82	ug/l	99
74) N-amyl acetate	6.47	43	69157	21.45	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	49327	20.51	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	45257m	20.52	ug/l	
77) Bromobenzene	11.26	156	35631	19.67	ug/l	99
78) n-propylbenzene	11.37	91	164456	20.28	ug/l	99
79) 2-Chlorotoluene	11.43	91	91032	19.43	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	118084	20.65	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	13037	19.13	ug/l	91
82) 4-Chlorotoluene	11.52	91	112545	20.12	ug/l	99
83) tert-Butylbenzene	11.78	119	117282	20.34	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	124373	20.75	ug/l	99
85) sec-Butylbenzene	11.96	105	146438	20.52	ug/l	99
86) p-Isopropyltoluene	12.07	119	129945	20.50	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	67842	19.81	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	68385	19.01	ug/l	95
89) n-Butylbenzene	12.40	91	117510	19.91	ug/l	98
90) Hexachloroethane	12.60	117	19919	19.97	ug/l	90
91) 1,2-Dichlorobenzene	12.40	146	67810	20.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13586	20.25	ug/l	91

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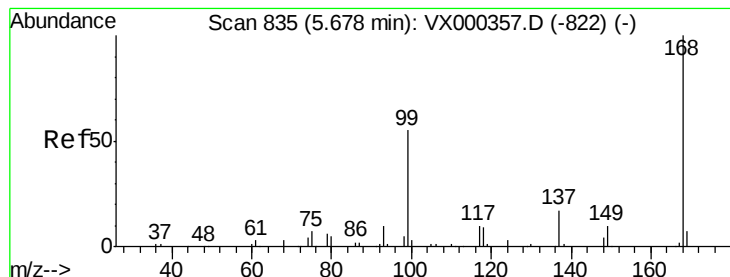
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	48967	20.34	ug/l	96
94) Hexachlorobutadiene	13.79	225	20361	20.42	ug/l	98
95) Naphthalene	13.84	128	170630	20.35	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	47645	20.03	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion:168 Resp: 117753

Ion Ratio Lower Upper

168 100

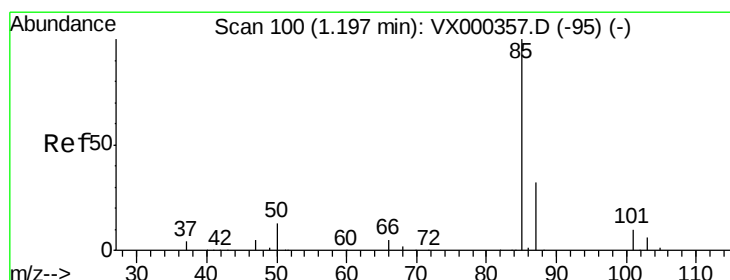
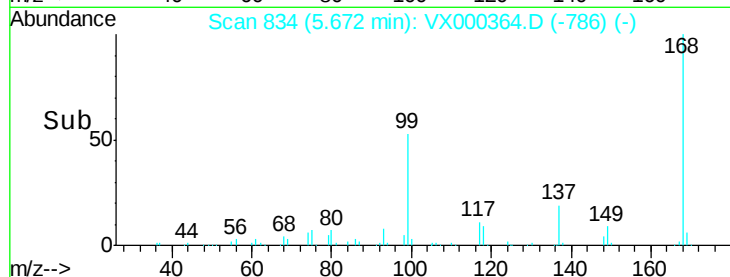
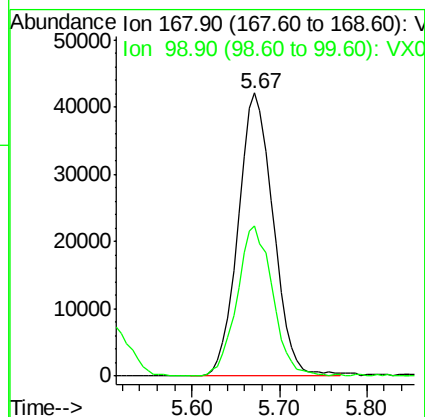
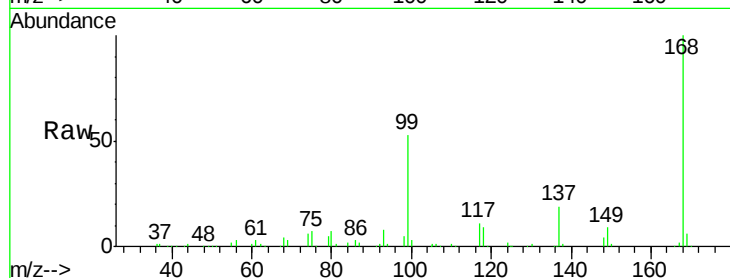
99 52.9 45.8 68.6

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#2

Dichlorodifluoromethane

Concen: 18.54 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000364.D

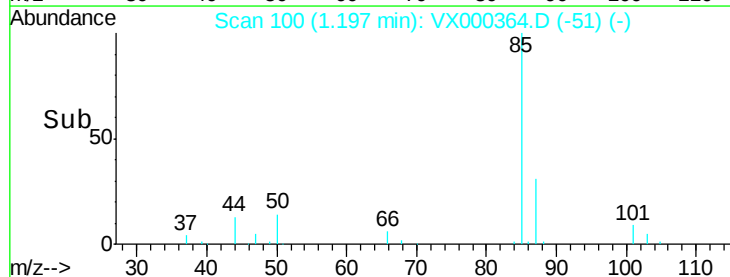
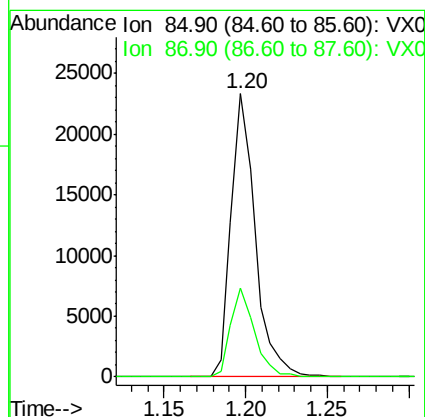
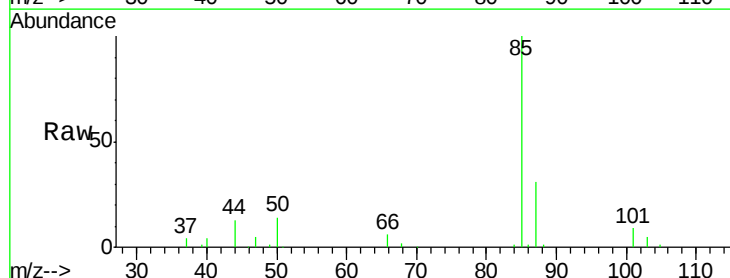
Acq: 20 Mar 2018 17:12

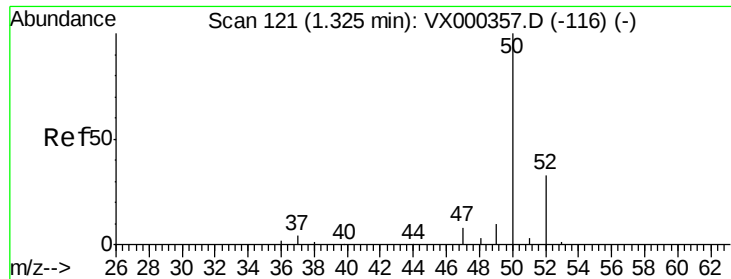
Tgt Ion: 85 Resp: 24062

Ion Ratio Lower Upper

85 100

87 31.5 16.8 50.3





#3

Chloromethane

Concen: 19.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS01

Tot Ion: 50 Resp: 26420

Ion Ratio Lower Upper

50 100

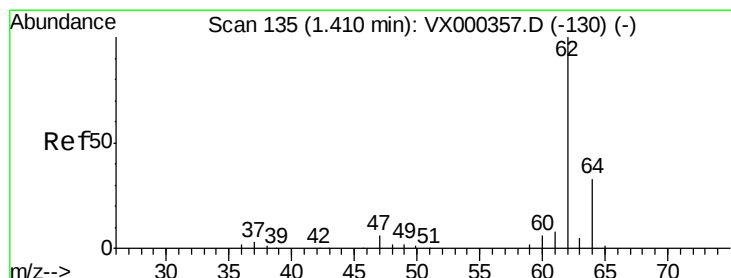
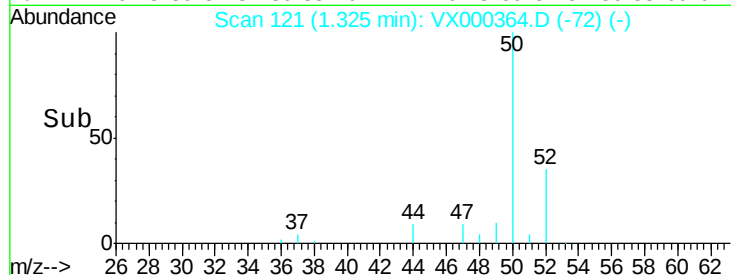
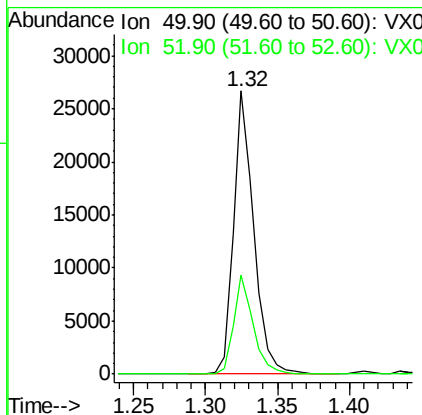
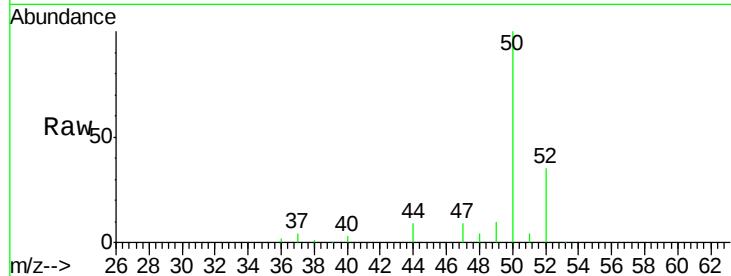
52 34.9 27.5 41.3

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#4

Vinyl Chloride

Concen: 20.39 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000364.D

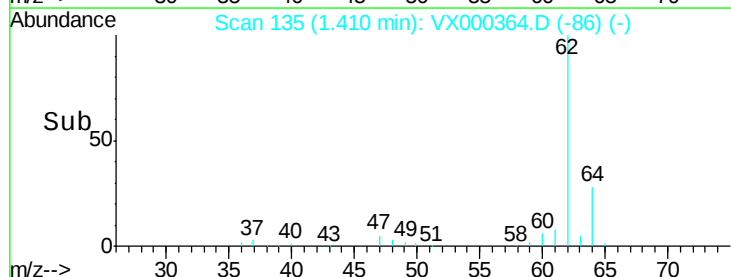
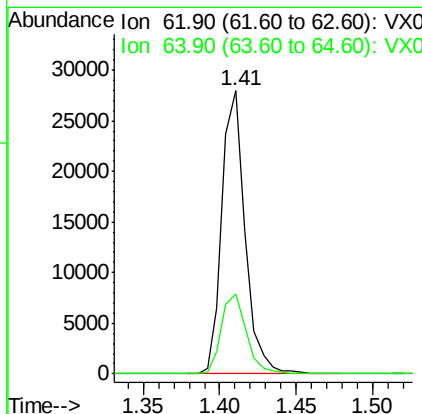
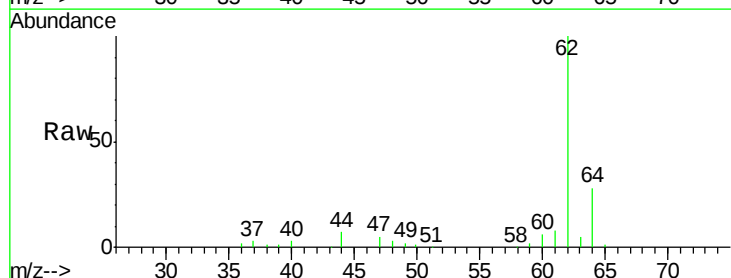
Acq: 20 Mar 2018 17:12

Tgt Ion: 62 Resp: 29449

Ion Ratio Lower Upper

62 100

64 28.3 24.8 37.2





#5

Bromomethane

Concen: 14.26 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 94 Resp: 24600

Ion Ratio Lower Upper

94 100

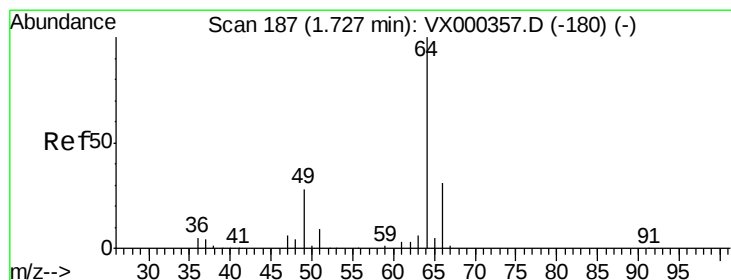
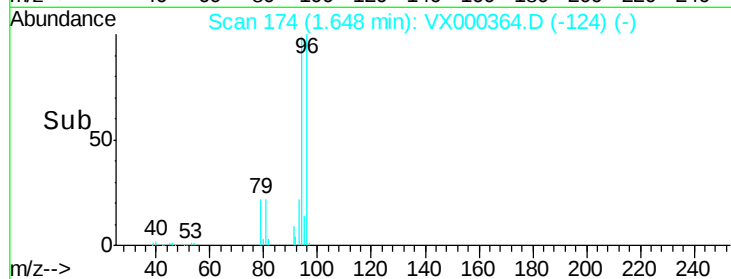
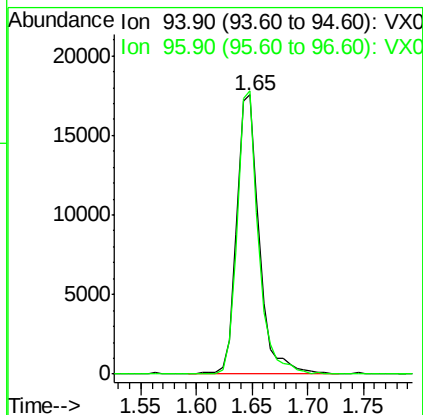
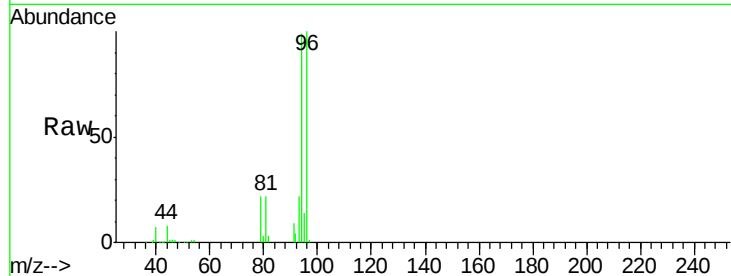
96 101.3 77.7 116.5

Manual Integrations

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#6

Chloroethane

Concen: 22.63 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000364.D

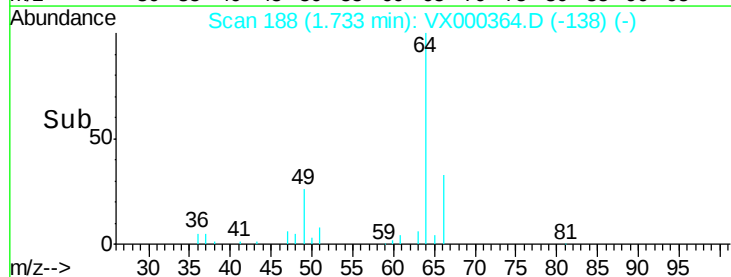
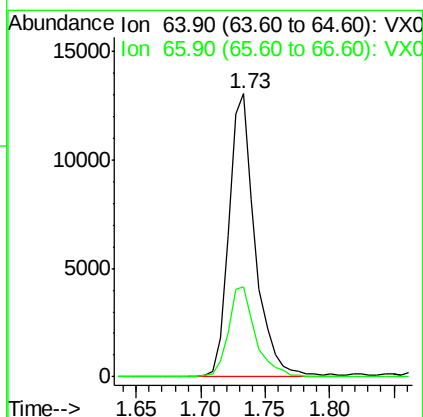
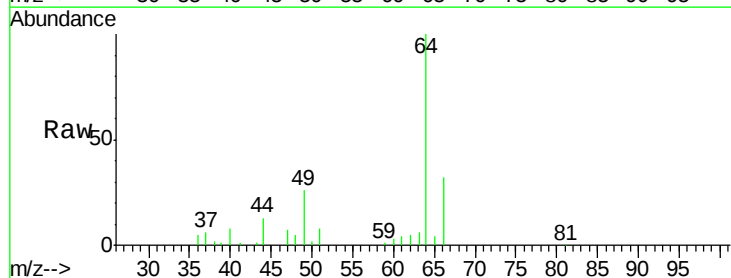
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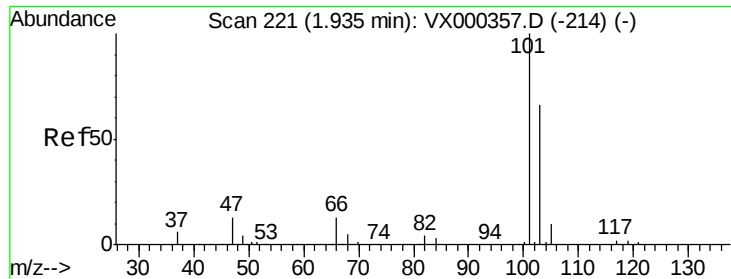
Tgt Ion: 64 Resp: 18595

Ion Ratio Lower Upper

64 100

66 31.9 24.8 37.2





#7

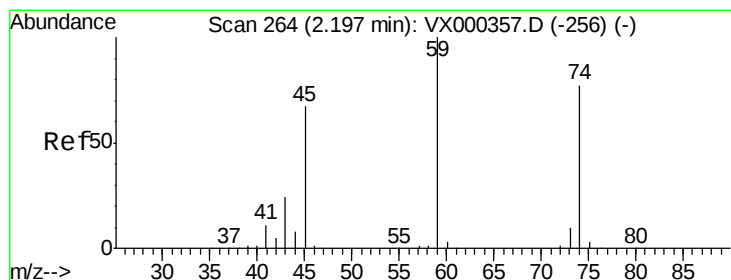
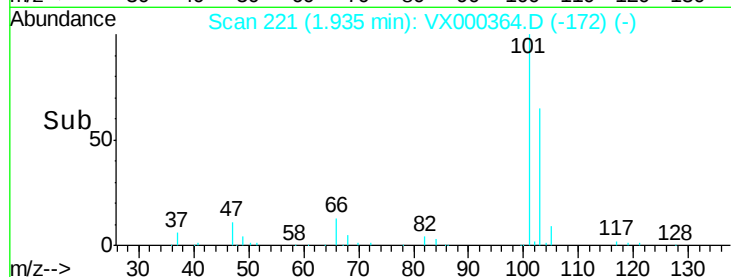
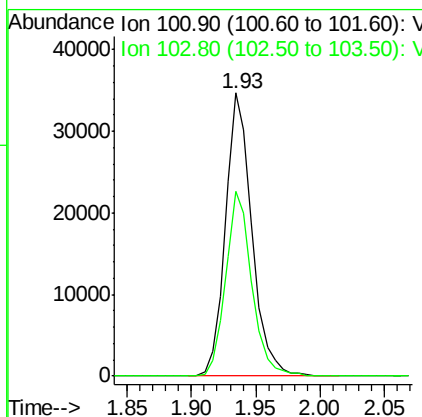
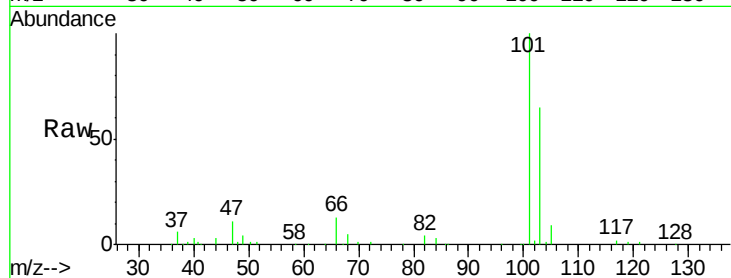
Trichlorofluoromethane
Concen: 19.17 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

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ClientSampleId :
VX0320WBS01

Tot Ion:101 Resp: 49995
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4

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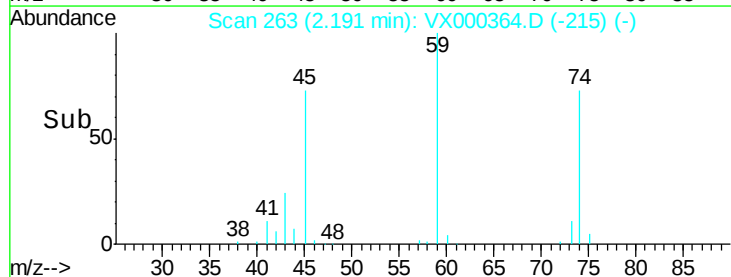
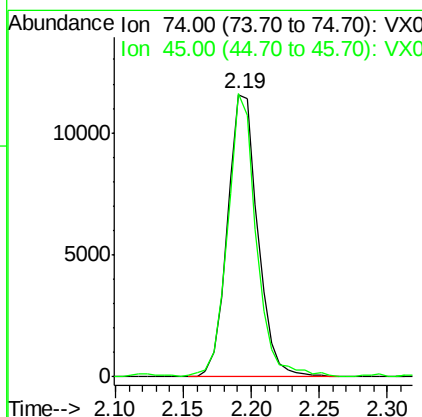
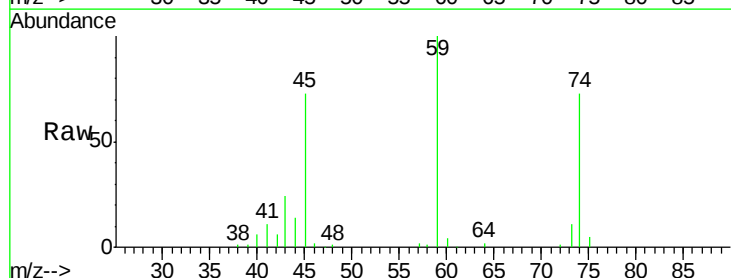
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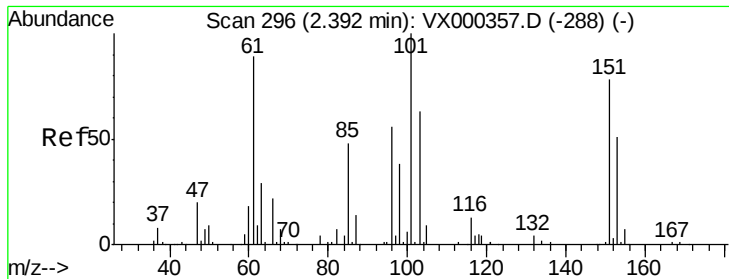


#8

Diethyl Ether
Concen: 19.14 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion: 74 Resp: 17838
Ion Ratio Lower Upper
74 100
45 95.3 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.08 ug/l

RT: 2.39 min Scan# 296

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

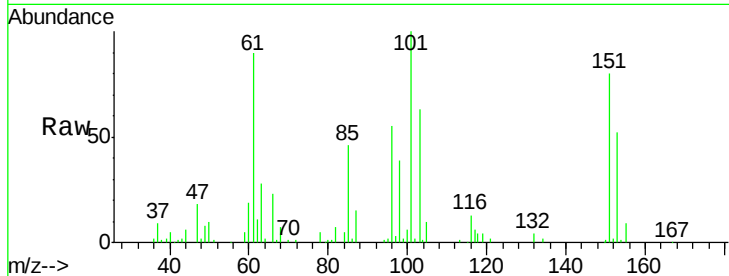
ClientSampleId :

VX0320WBS01

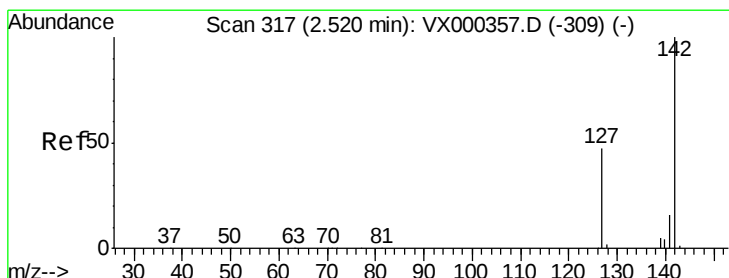
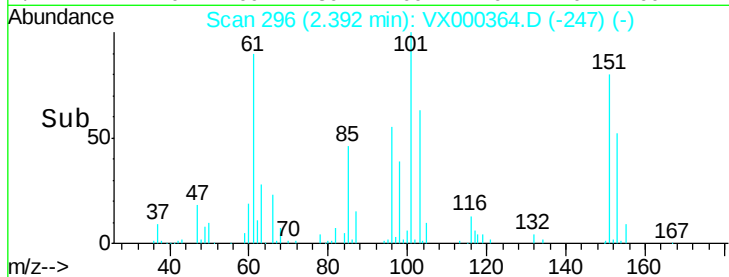
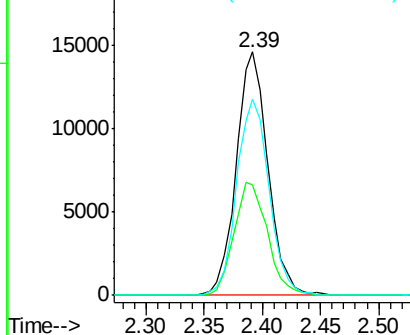
Tot Ion:	101	Resp:	27742
Ion Ratio	Lower	Upper	
101	100		
85	48.8	37.6	56.4
151	82.4	62.6	93.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.54 ug/l

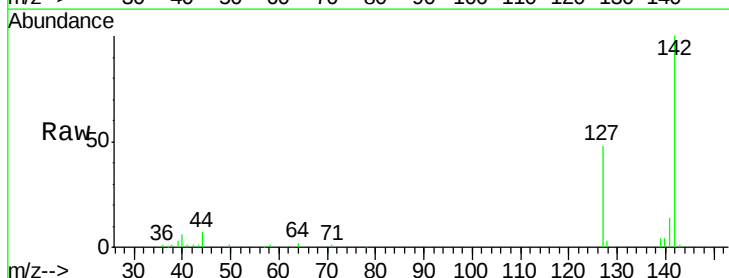
RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

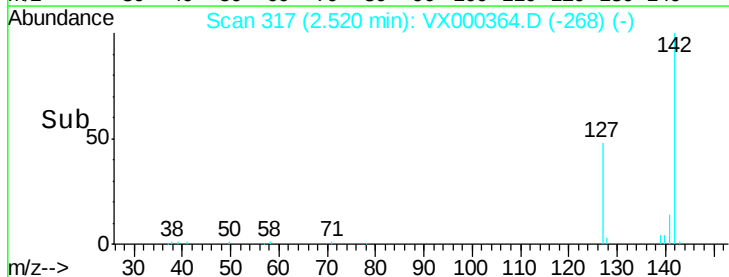
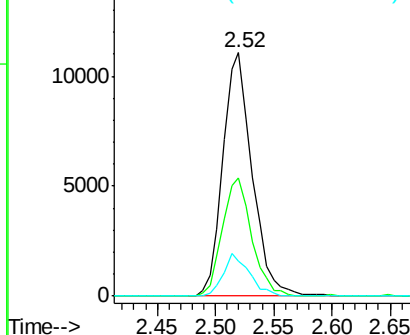
Lab File: VX000364.D

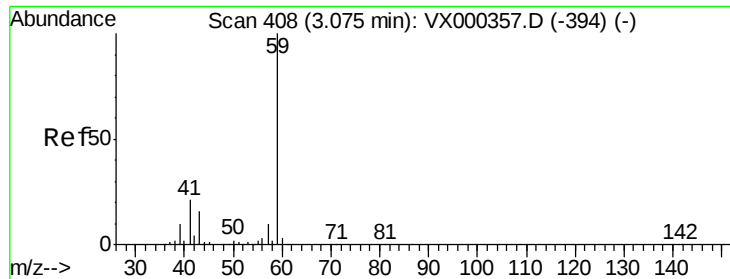
Acq: 20 Mar 2018 17:12

Tgt Ion:	142	Resp:	19314
Ion Ratio	Lower	Upper	
142	100		
127	48.4	39.2	58.8
141	15.5	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





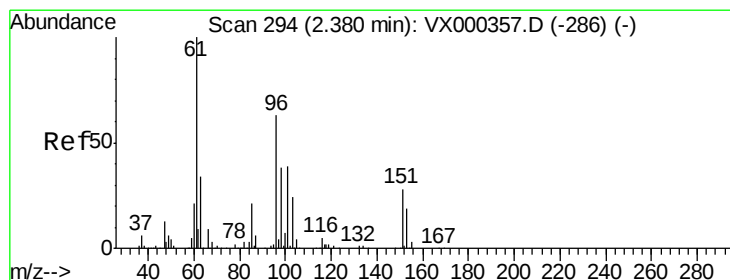
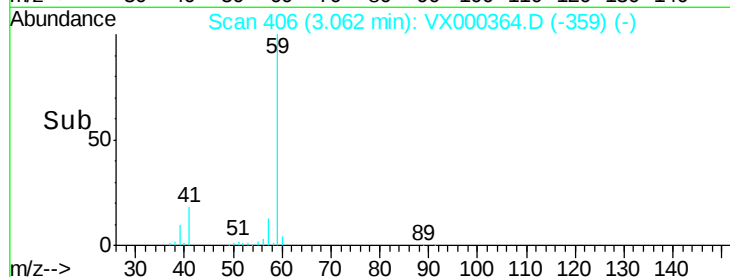
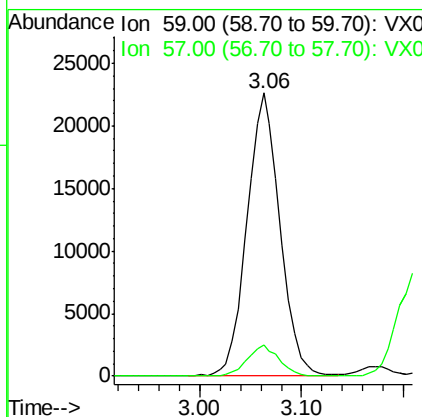
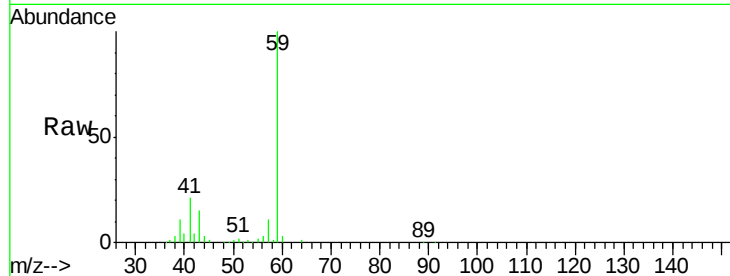
#11
Tert butyl alcohol
Concen: 96.07 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampled :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

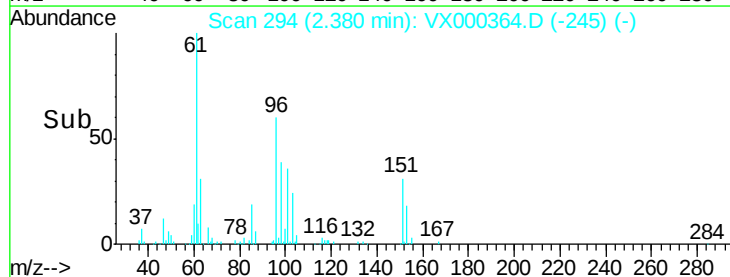
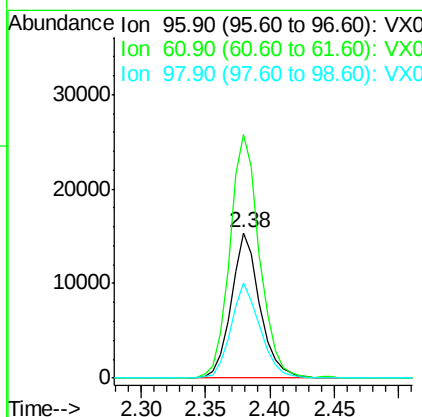
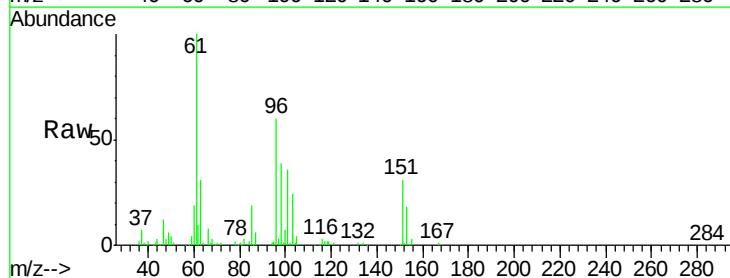
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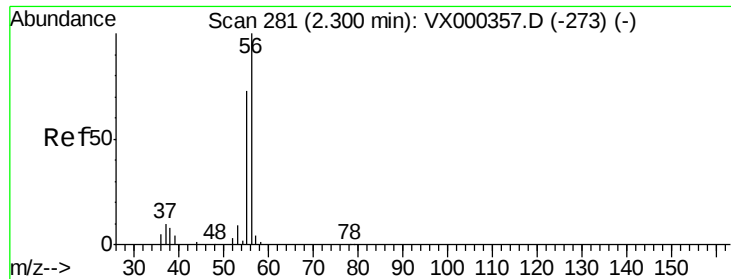
sam
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#12
1,1-Dichloroethene
Concen: 18.65 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.7	131.2	196.8
98	65.7	49.8	74.8





#13

Acrolein

Concen: 92.65 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS01

Tot Ion: 56 Resp: 13996

Ion Ratio Lower Upper

56 100

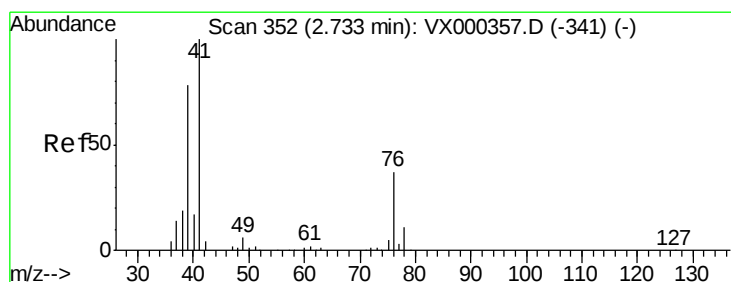
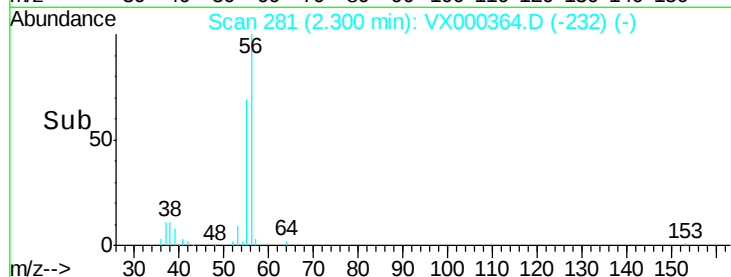
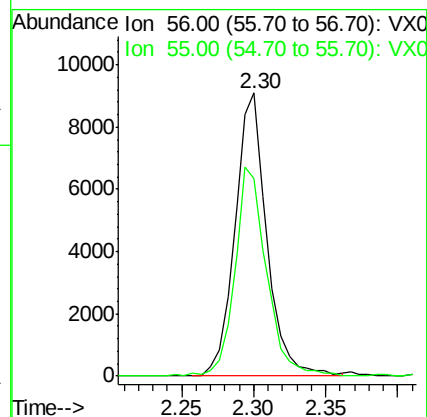
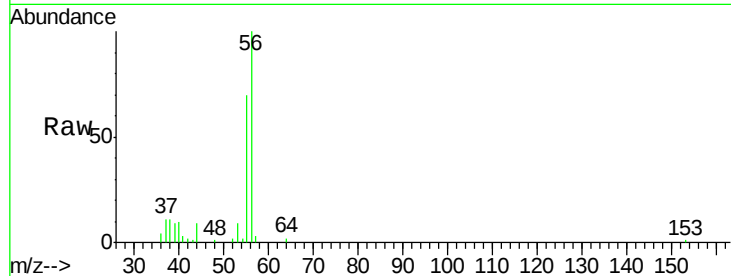
55 74.0 58.8 88.2

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#14

Allyl chloride

Concen: 19.97 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

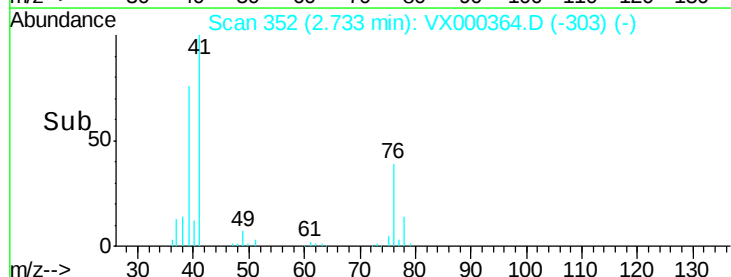
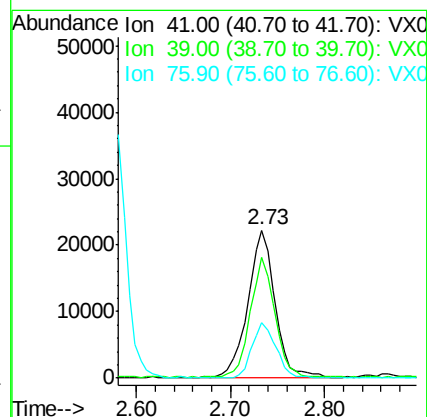
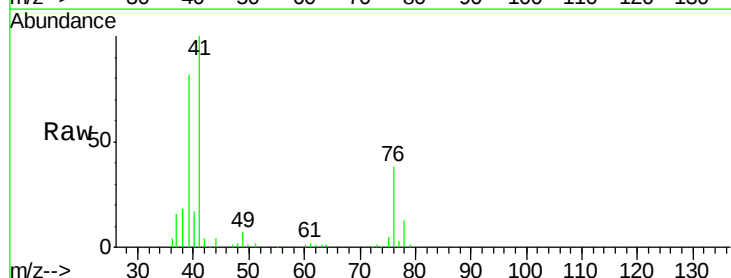
Tgt Ion: 41 Resp: 45158

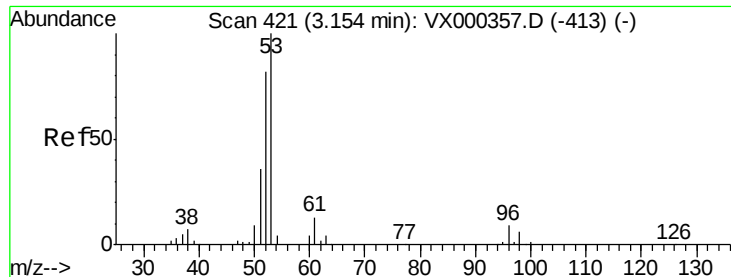
Ion Ratio Lower Upper

41 100

39 72.6 57.6 86.4

76 33.1 27.3 40.9





#15

Acrylonitrile

Concen: 96.01 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

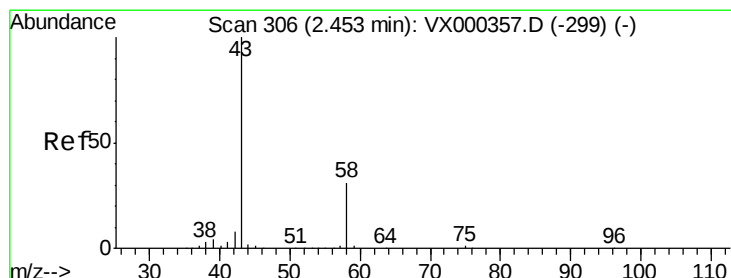
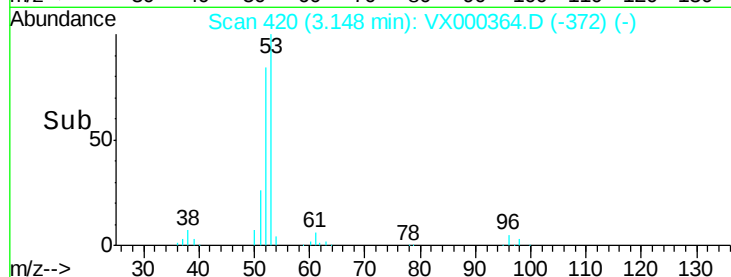
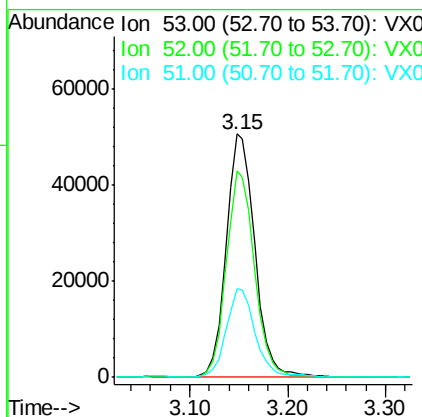
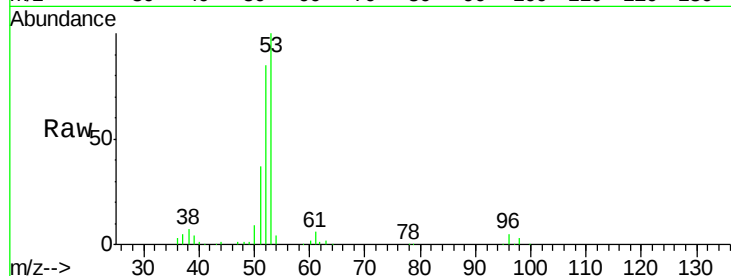
ClientSampled :

VX0320WBS01

Tot Ion:	53	Resp:	102817
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.6	99.8
51	37.1	29.3	43.9

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#16

Acetone

Concen: 94.75 ug/l

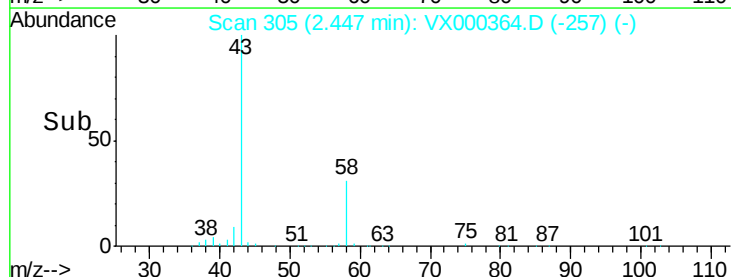
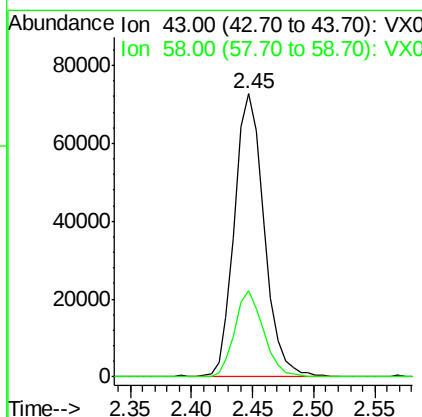
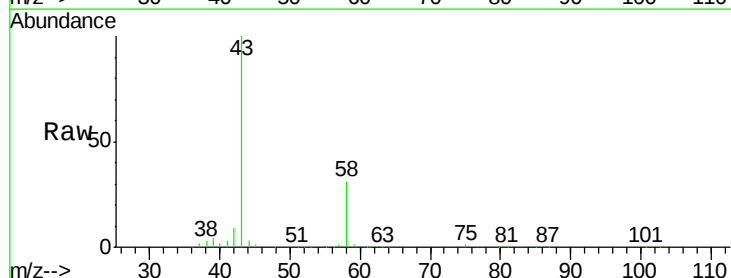
RT: 2.45 min Scan# 305

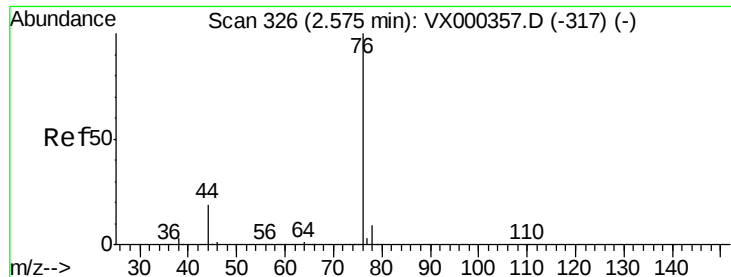
Delta R.T. -0.01 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Tgt Ion:	43	Resp:	121151
Ion Ratio		Lower	Upper
43	100		
58	30.6	24.7	37.1





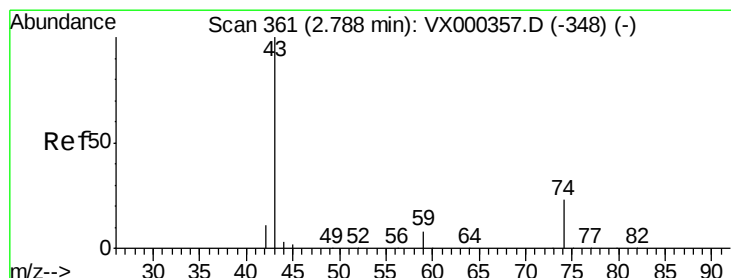
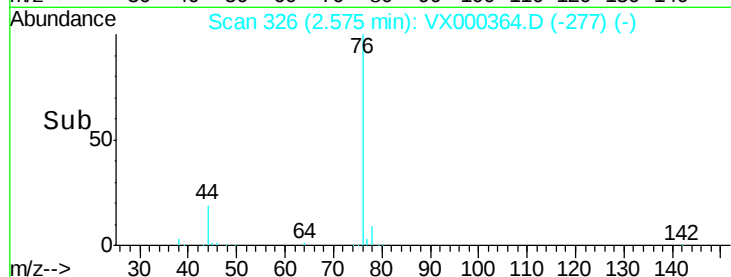
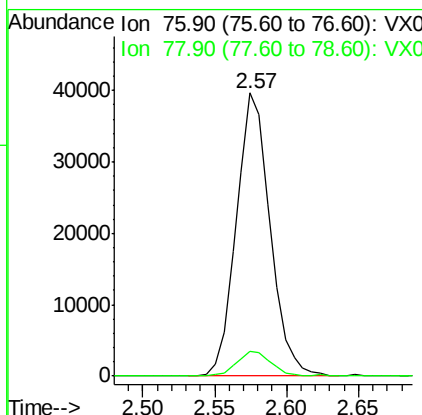
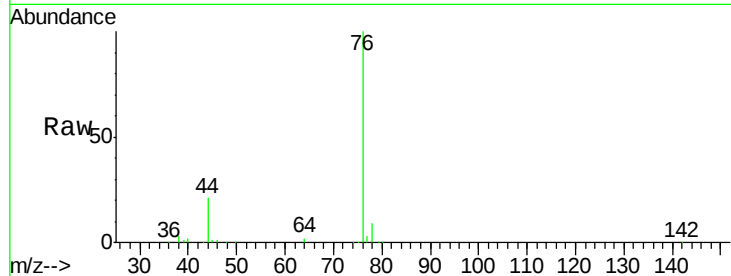
#17
Carbon Disulfide
Concen: 19.11 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

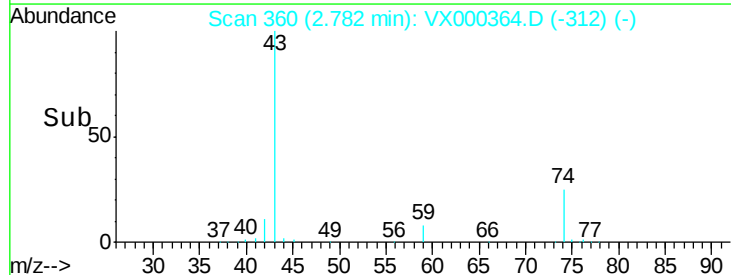
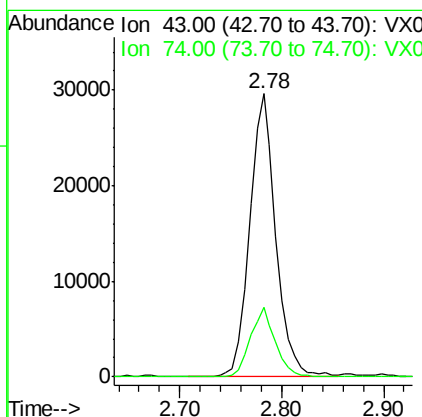
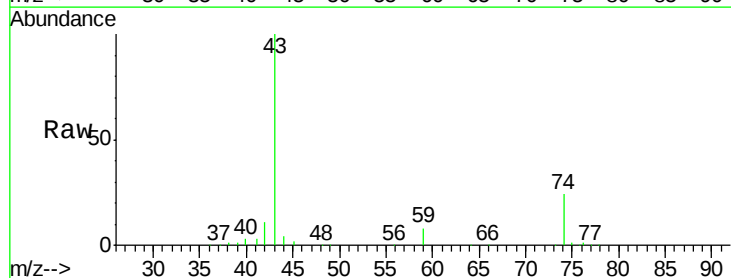
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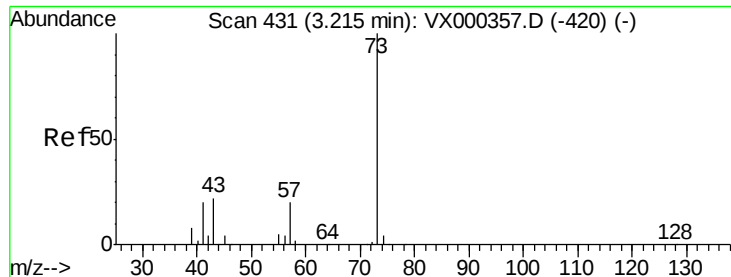
sam
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#18
Methyl Acetate
Concen: 19.69 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.4	29.2





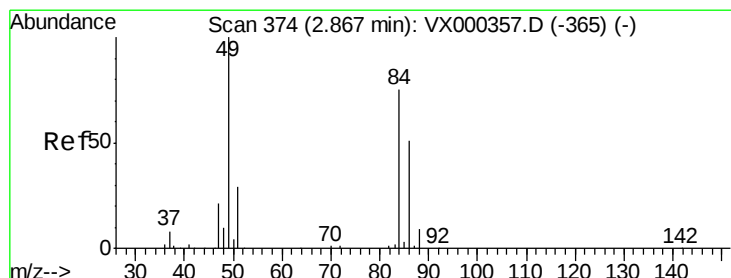
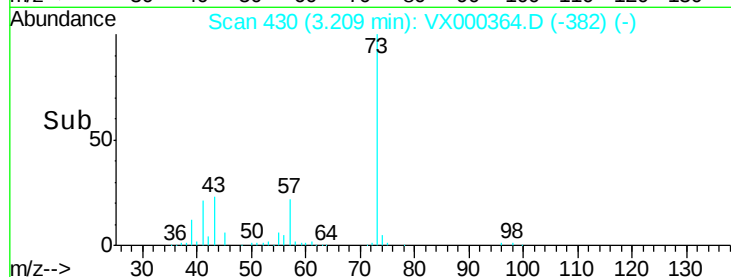
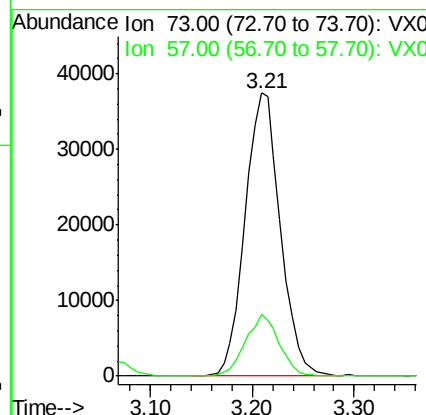
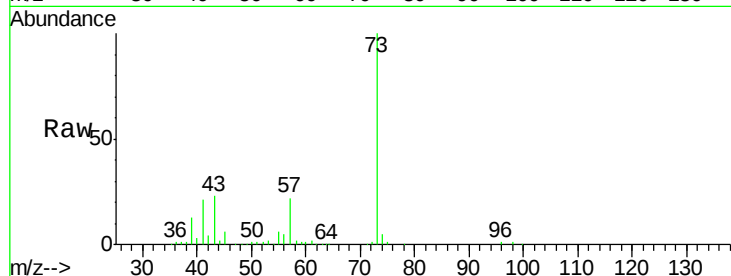
#19
Methvl tert-butvl Ether
Concen: 19.05 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion: 73 Resp: 89909
Ion Ratio Lower Upper
73 100
57 22.0 17.2 25.8

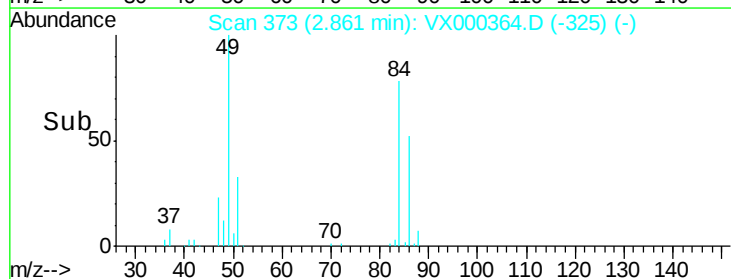
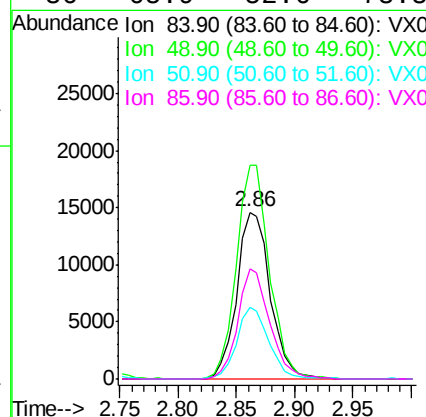
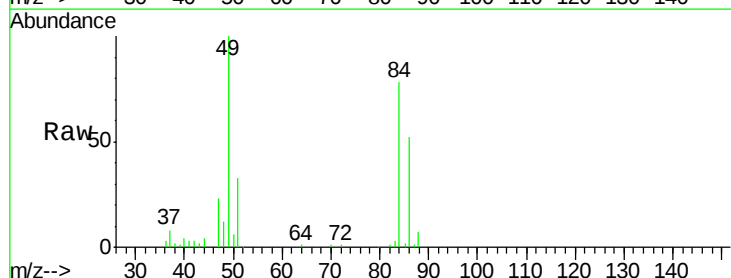
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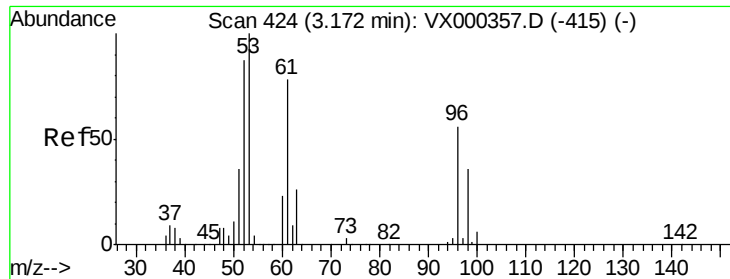
sam
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#20
Methylene Chloride
Concen: 19.76 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion: 84 Resp: 29184
Ion Ratio Lower Upper
84 100
49 127.9 100.6 151.0
51 42.7 31.6 47.4
86 65.9 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 18.50 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

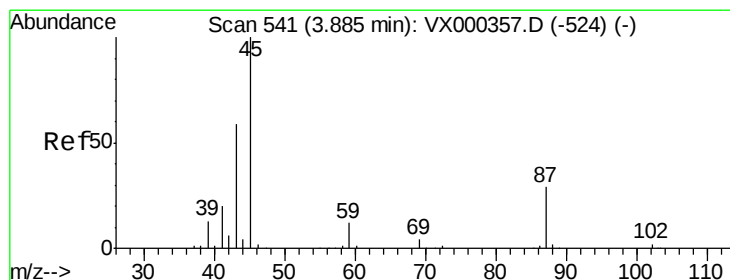
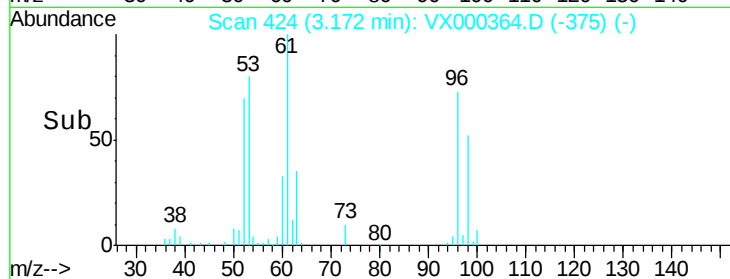
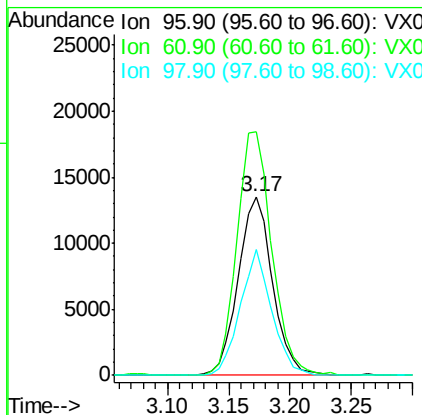
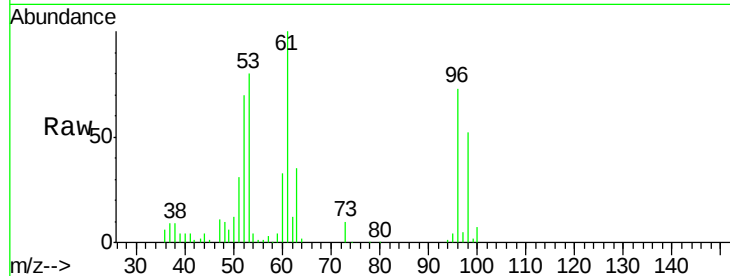
ClientSampleId :

VX0320WBS01

Tot Ion:	96	Resp:	26345
Ion	Ratio	Lower	Upper
96	100		
61	136.2	104.0	156.0
98	70.2	52.1	78.1

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#22

Diisopropyl ether

Concen: 21.63 ug/l

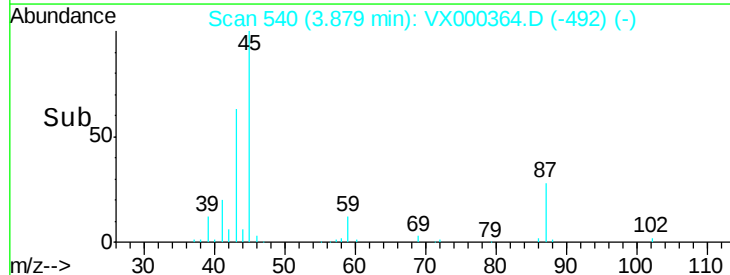
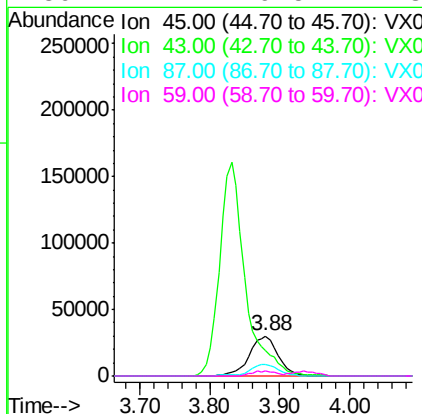
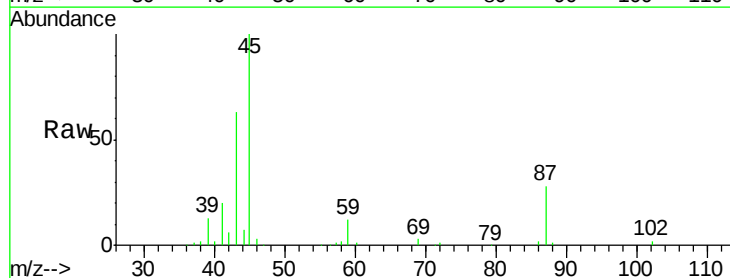
RT: 3.88 min Scan# 540

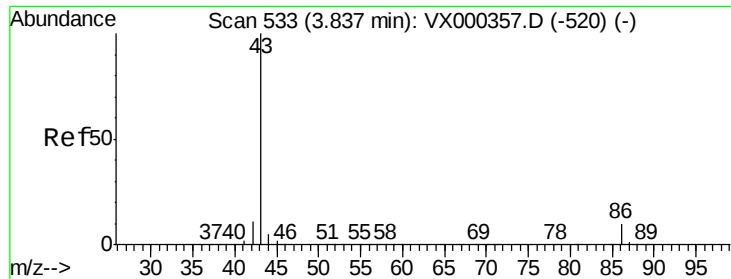
Delta R.T. -0.01 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Tgt Ion:	45	Resp:	86285
Ion	Ratio	Lower	Upper
45	100		
43	62.5	53.9	80.9
87	27.6	22.6	34.0
59	12.2	9.5	14.3





#23

Vinyl Acetate

Concen: 108.90 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 43 Resp: 411893

Ion Ratio Lower Upper

43 100

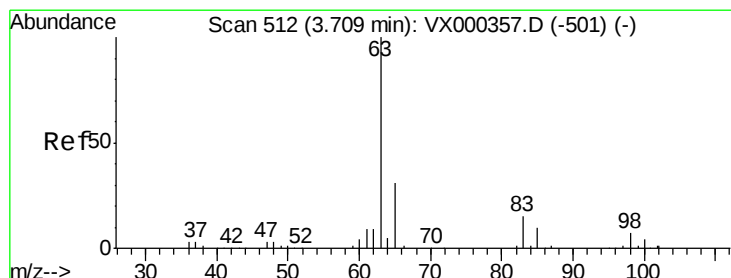
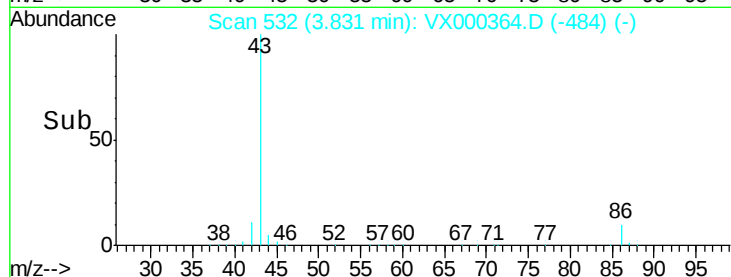
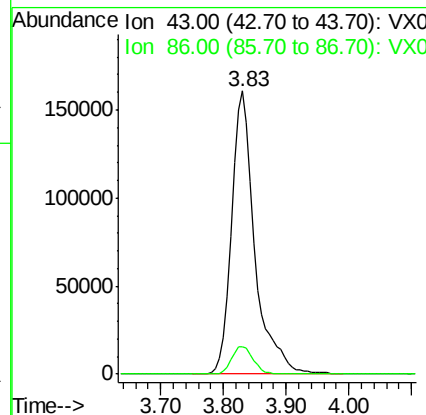
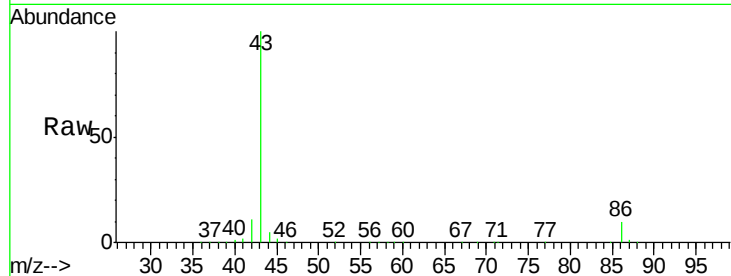
86 9.8 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 20.20 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

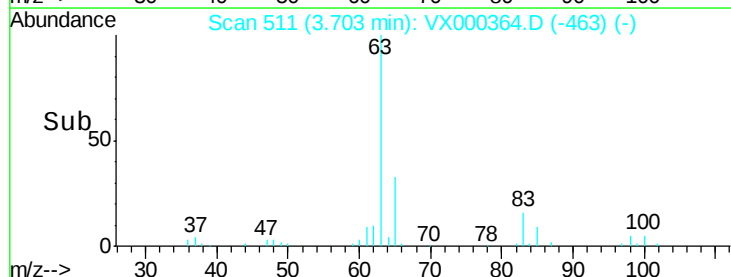
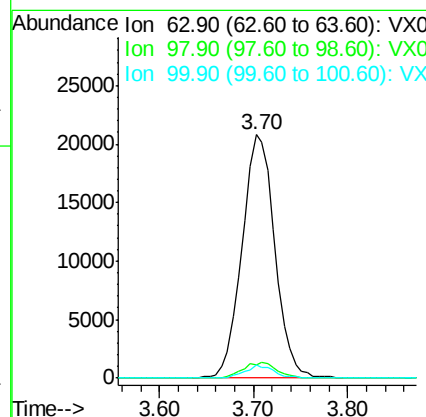
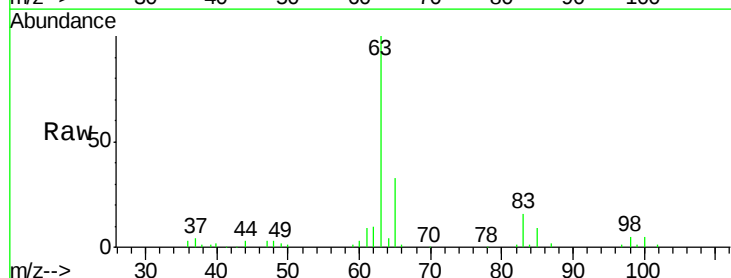
Tgt Ion: 63 Resp: 50669

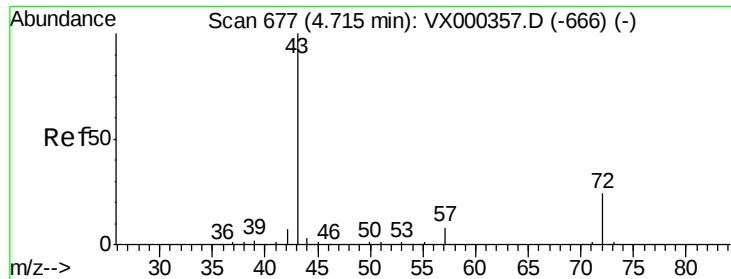
Ion Ratio Lower Upper

63 100

98 5.5 3.3 9.9

100 5.4 2.0 5.8





#25

2-Butanone

Concen: 95.71 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS01

Tot Ion: 43 Resp: 137556

Ion Ratio Lower Upper

43 100

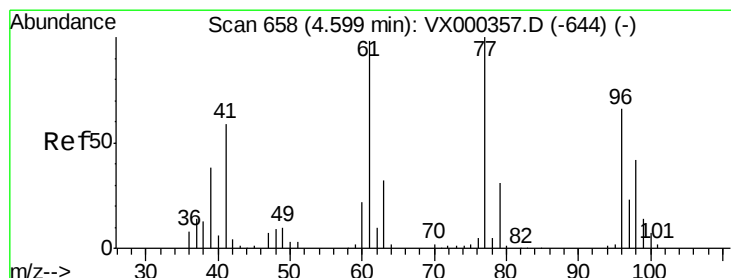
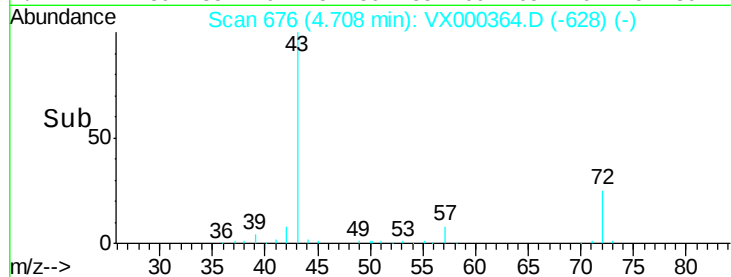
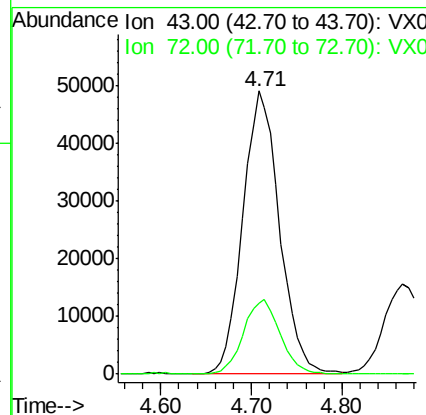
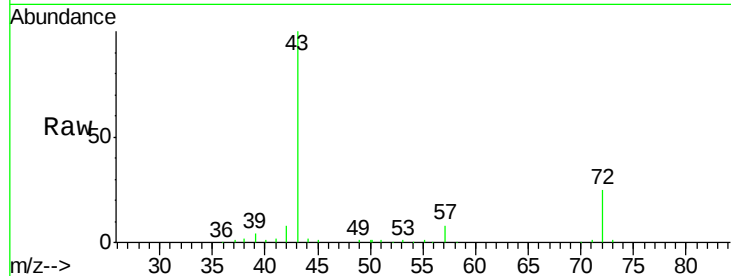
72 25.0 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.87 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000364.D

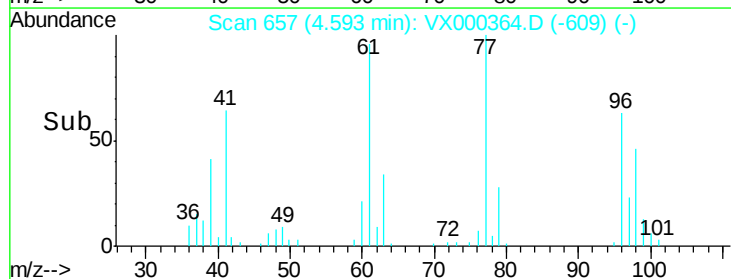
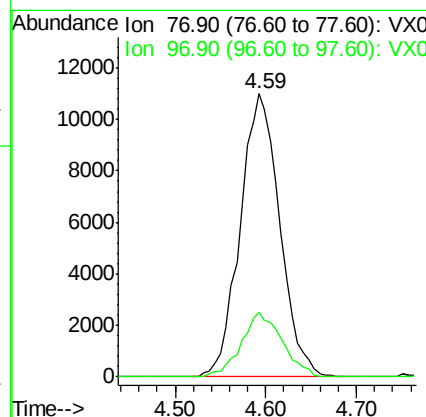
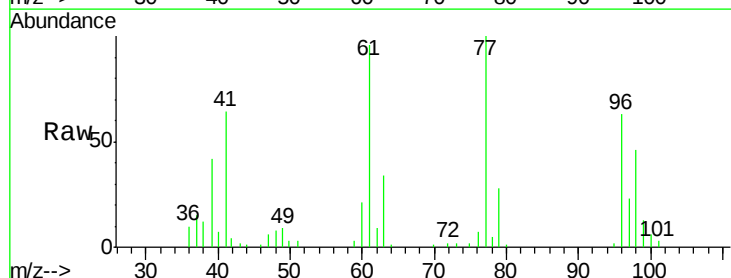
Acq: 20 Mar 2018 17:12

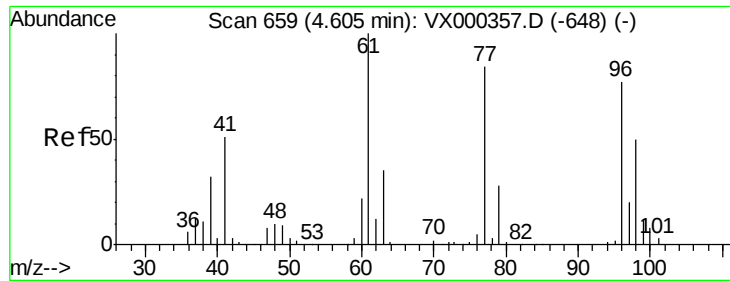
Tgt Ion: 77 Resp: 33183

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.8





#27

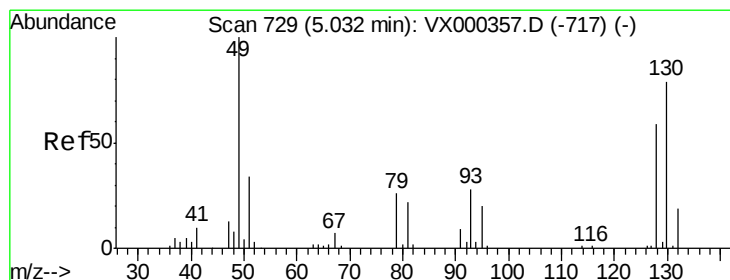
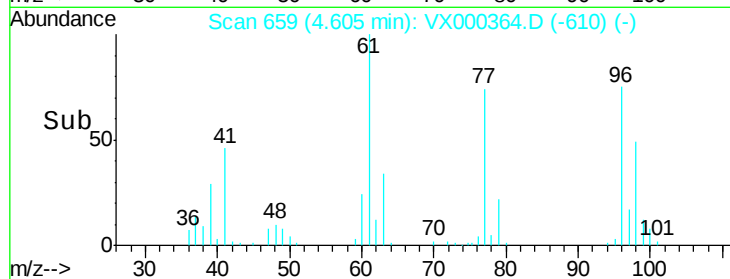
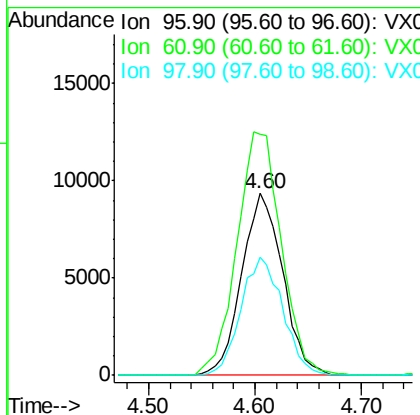
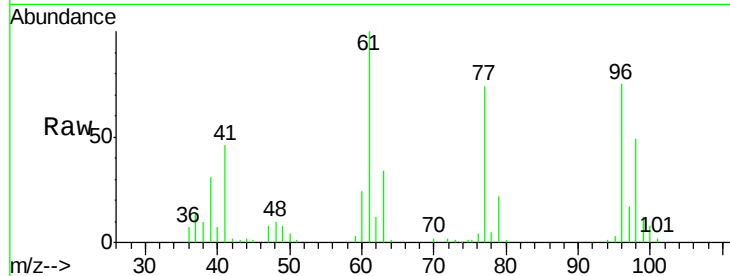
cis-1,2-Dichloroethene
Concen: 19.00 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	291.6
98	66.5	0.0	132.0

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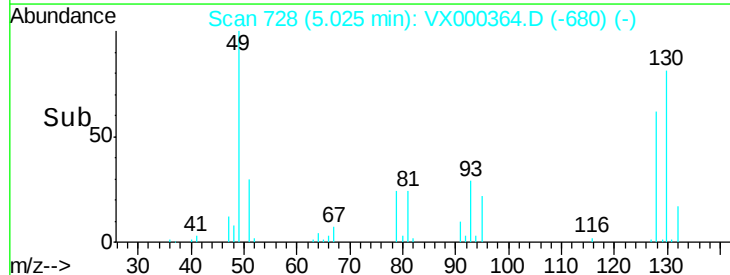
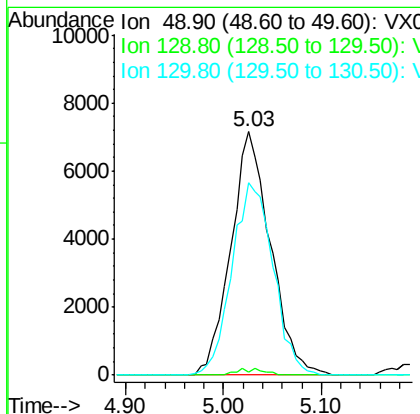
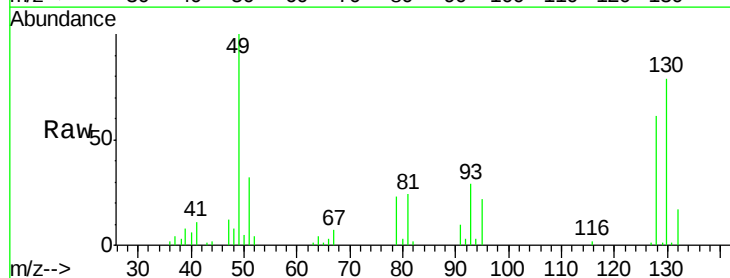
sam
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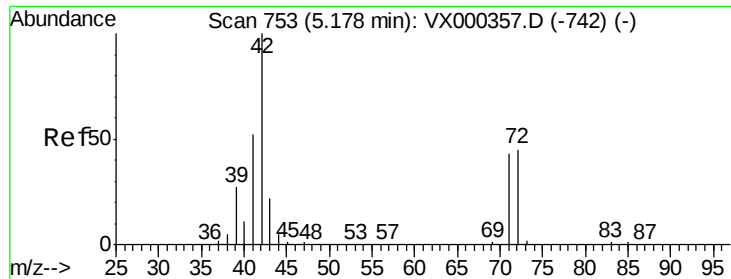


#28

Bromochloromethane
Concen: 19.47 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	5.0
130	81.9	64.0	96.0





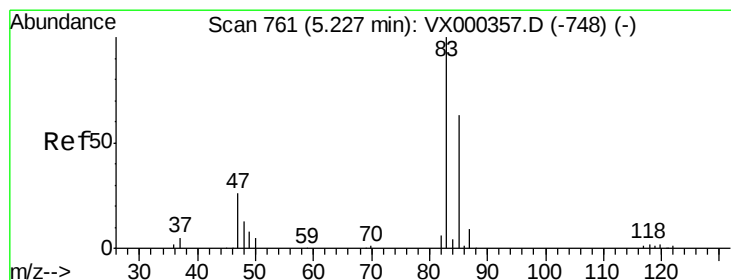
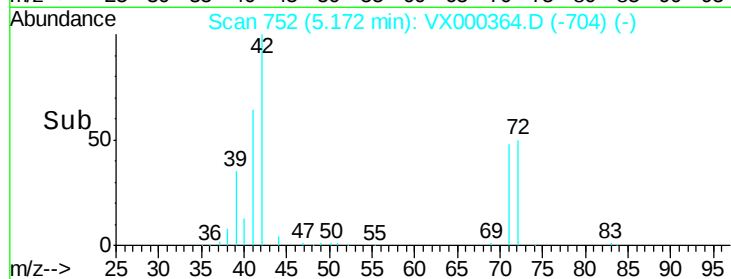
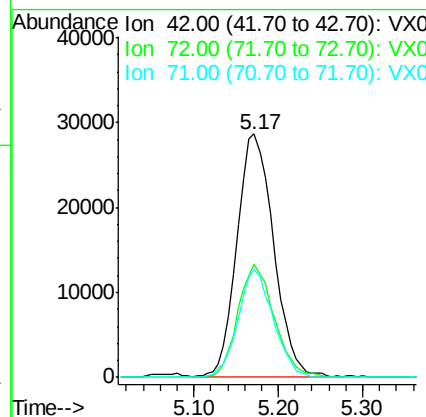
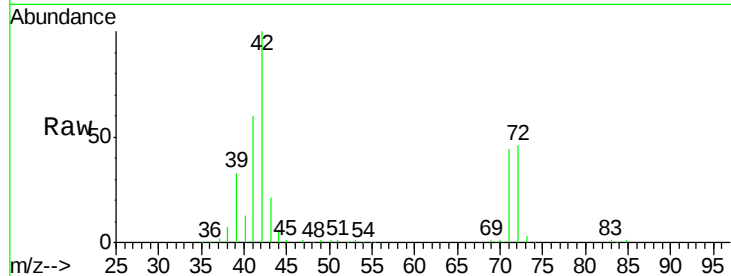
#29
Tetrahydrofuran
Concen: 95.72 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.9	56.9
71	42.5	34.4	51.6

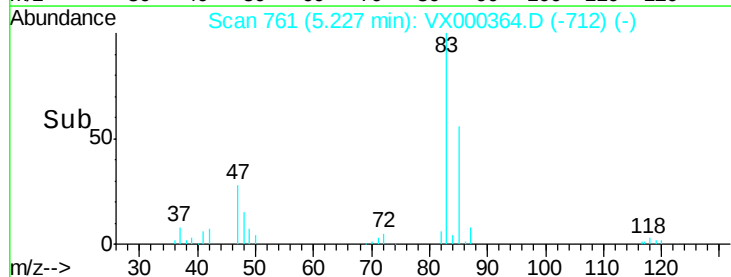
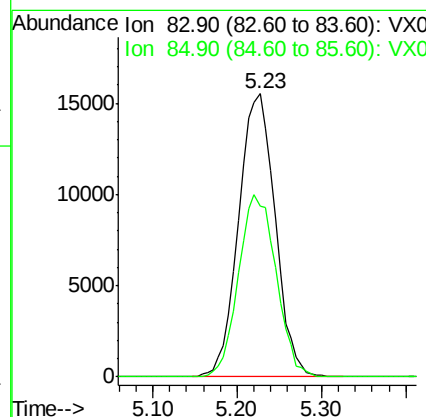
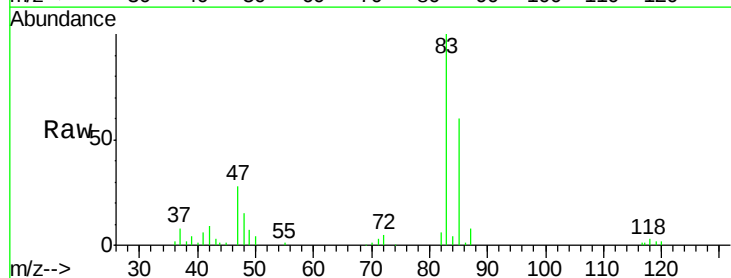
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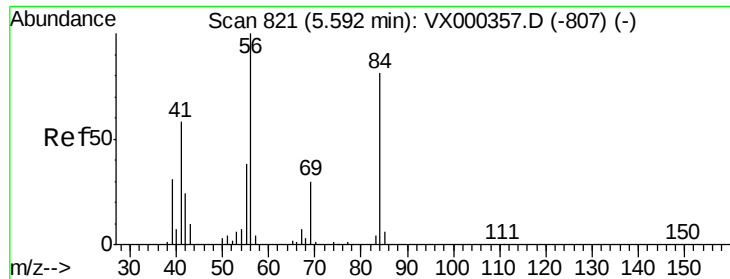
sam
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#30
Chloroform
Concen: 19.36 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	53.3	79.9





#31

Cyclohexane

Concen: 18.53 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.01 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

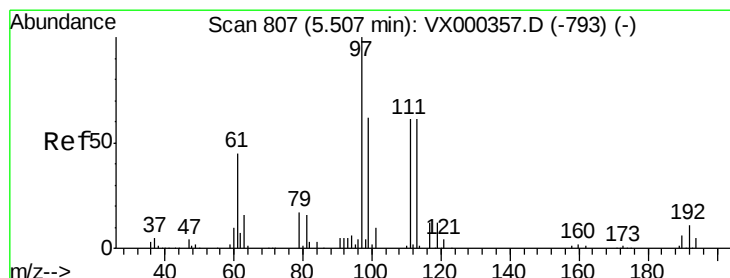
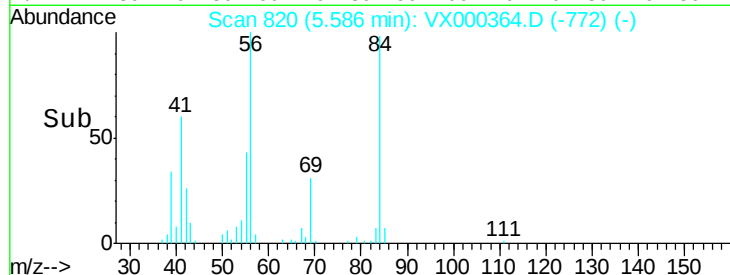
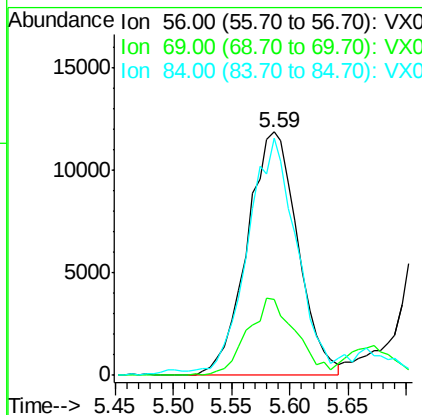
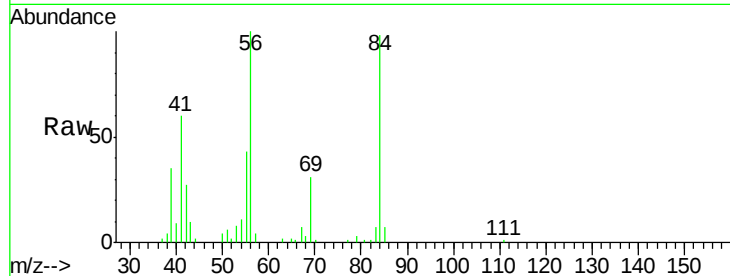
ClientSampleId :

VX0320WBS01

Tot Ion:	56	Resp:	35928
Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.4	35.0
84	95.8	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.64 ug/l

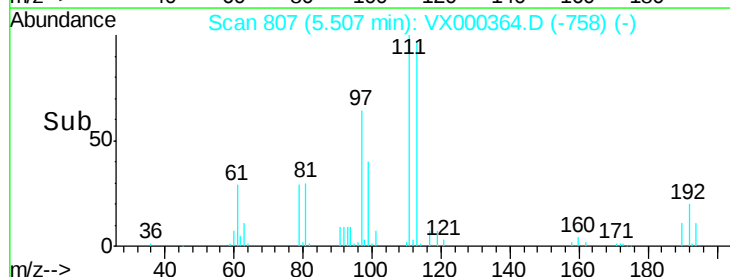
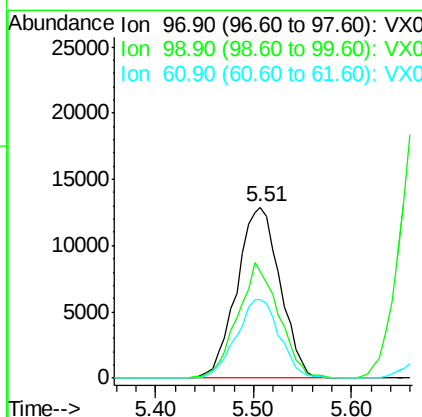
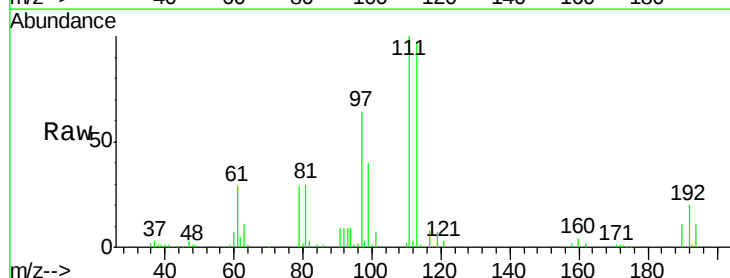
RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Tgt Ion:	97	Resp:	39529
Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.1	78.1
61	46.0	36.2	54.4





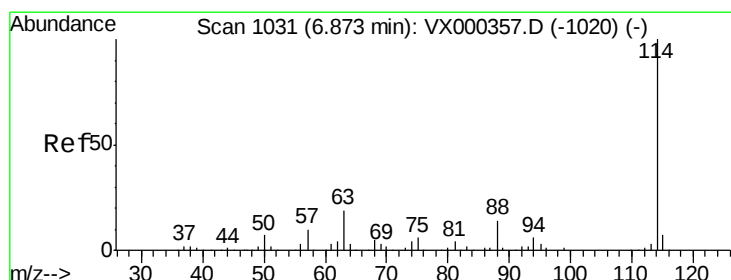
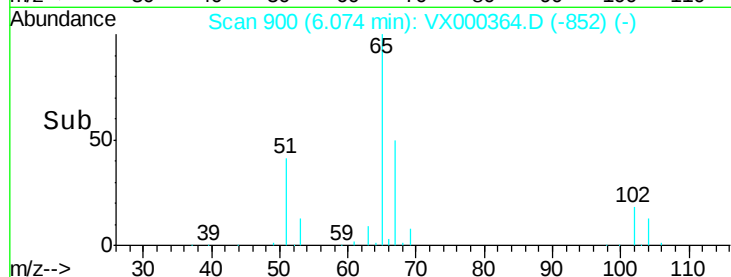
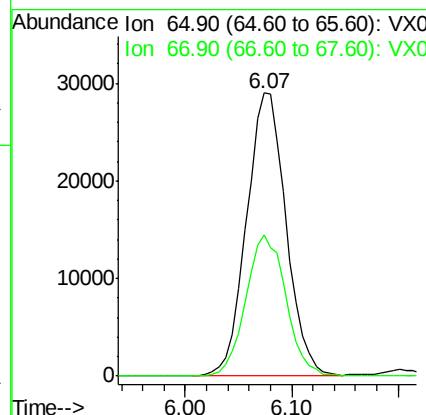
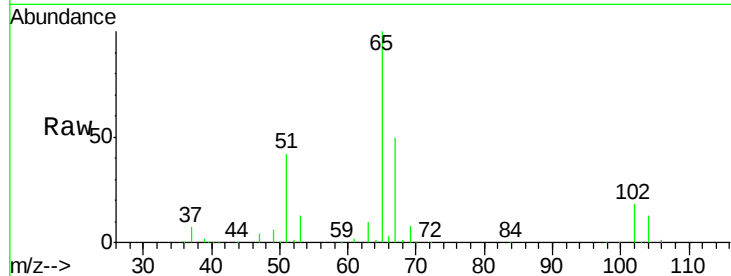
#33
 1,2-Dichloroethane-d4
 Concen: 49.26 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion: 65 Resp: 75719
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 103.2

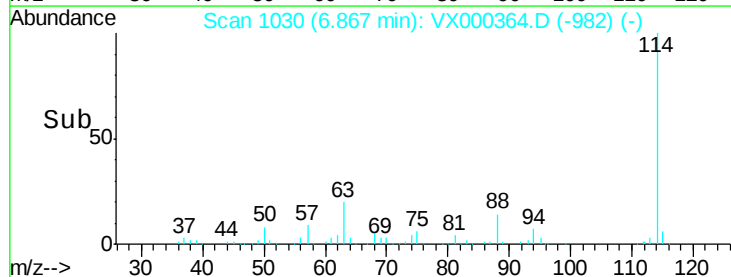
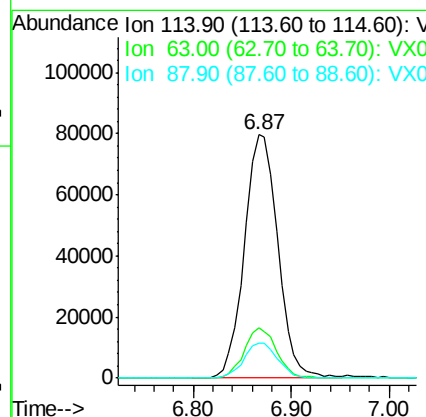
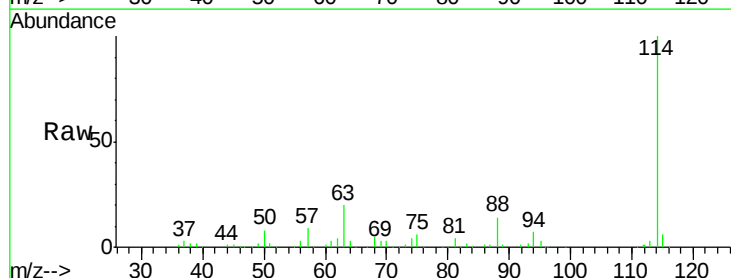
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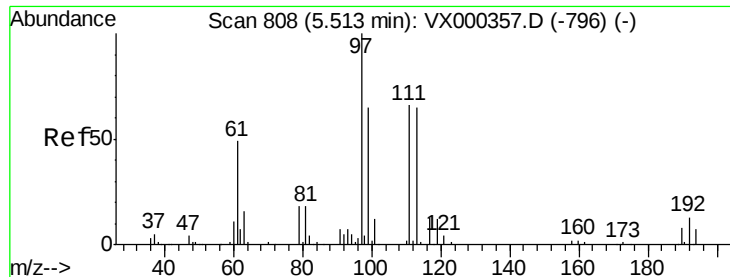
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Tgt Ion: 114 Resp: 189911
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.4
 88 14.3 0.0 27.0





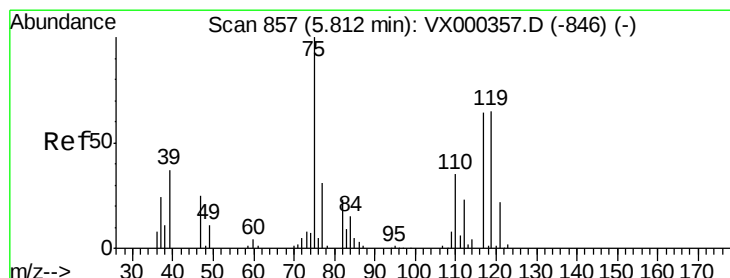
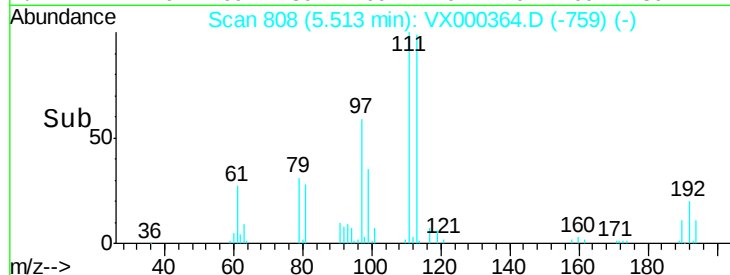
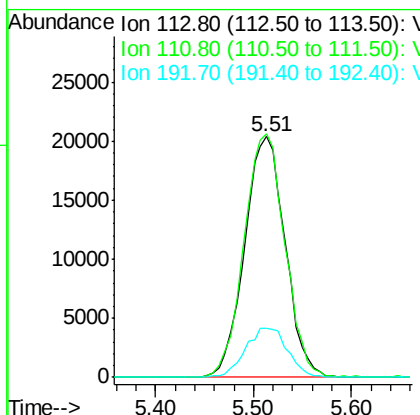
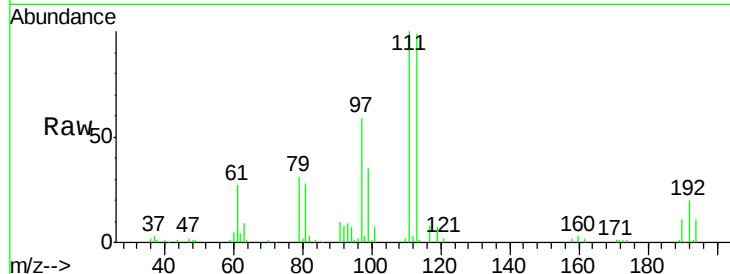
#35
 Dibromofluoromethane
 Concen: 48.93 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0320WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	58546		
111	102.0		82.4	123.6
192	21.2		15.8	23.6

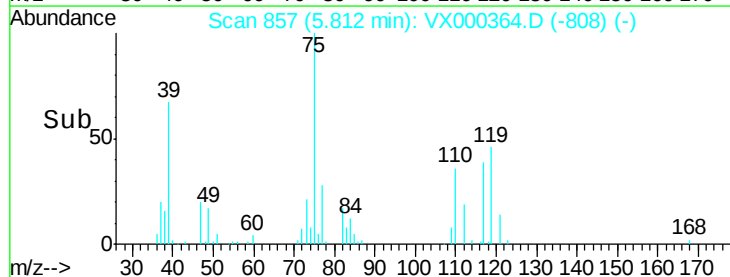
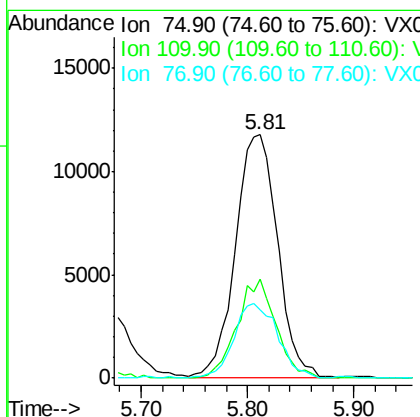
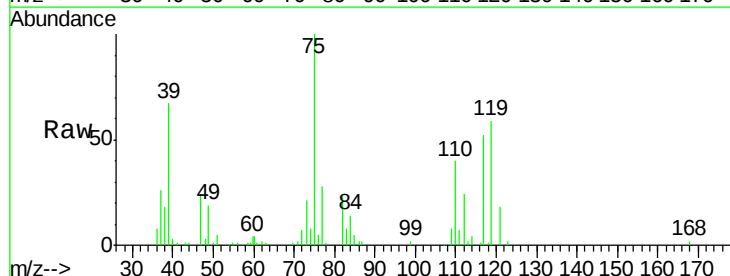
Manual Integrations
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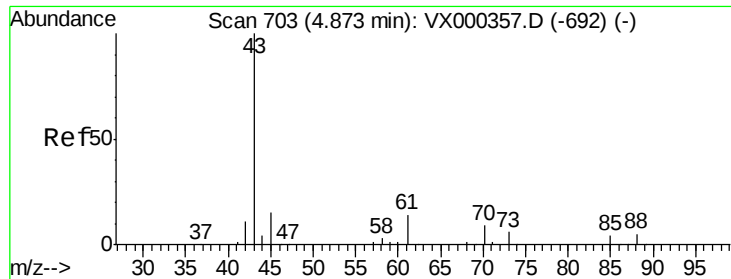
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#36
 1,1-Dichloropropene
 Concen: 18.45 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32821		
110	37.5		17.9	53.7
77	31.9		24.0	36.0





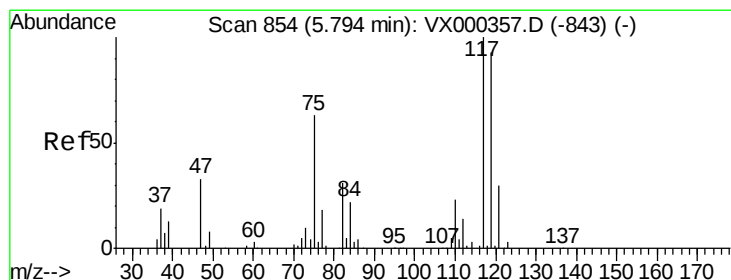
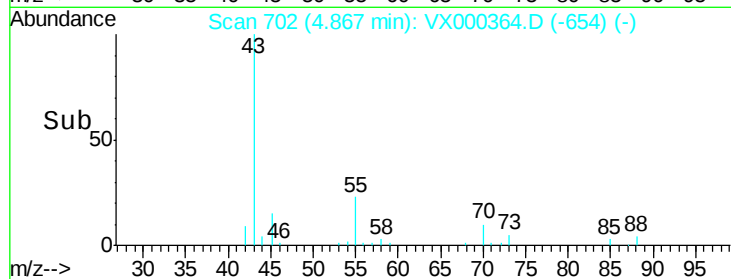
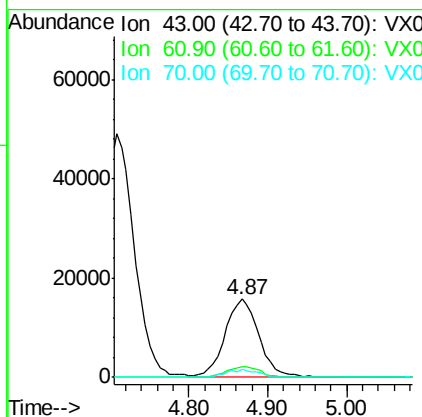
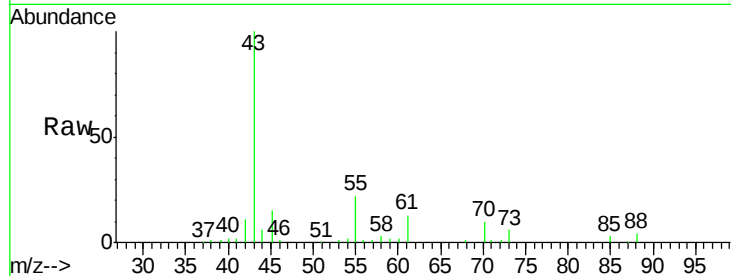
#37
Ethyl Acetate
Concen: 19.25 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampled :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	9.6	7.7	11.5

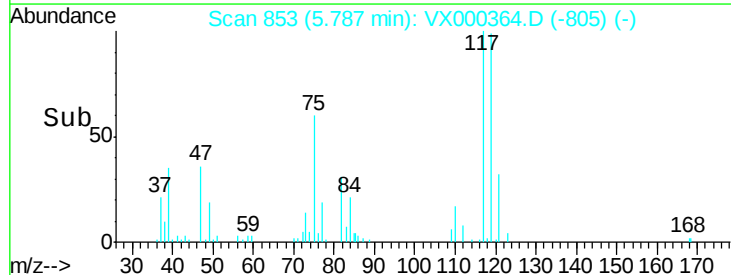
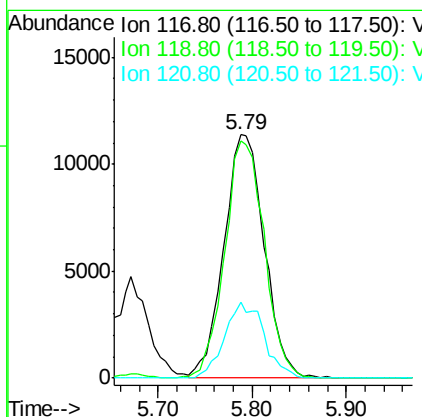
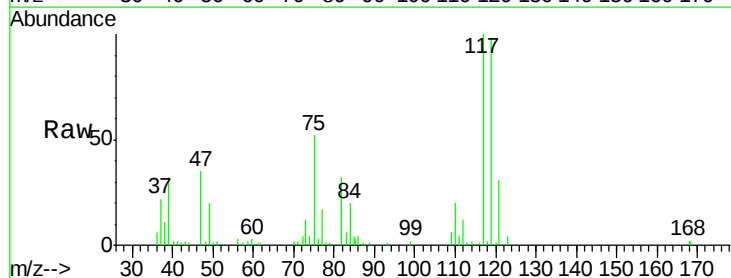
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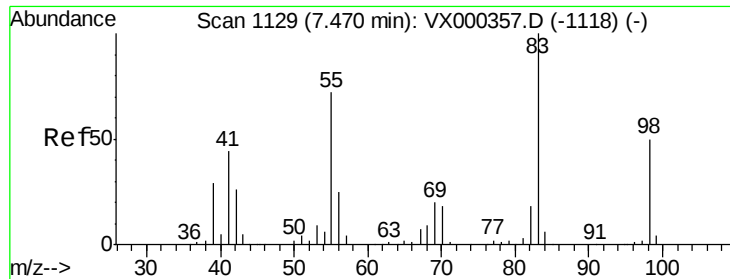
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#38
Carbon Tetrachloride
Concen: 18.22 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.4	116.2
121	31.2	24.8	37.2





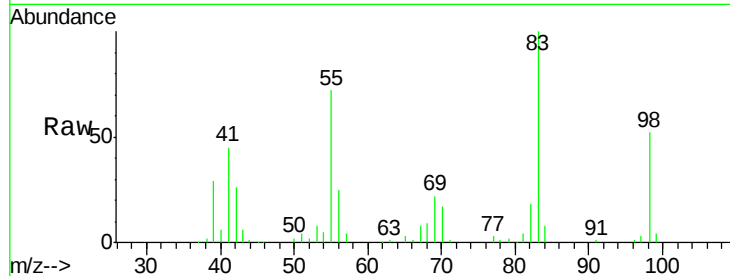
#39
Methvlcvclohexane
Concen: 19.93 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

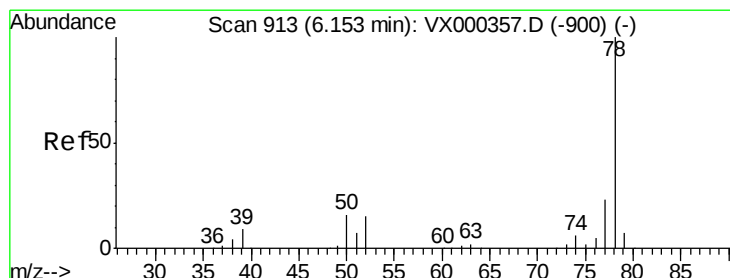
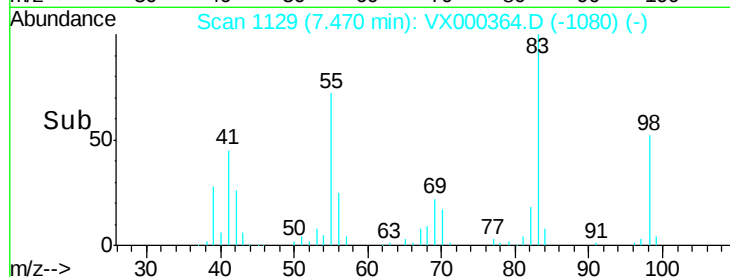
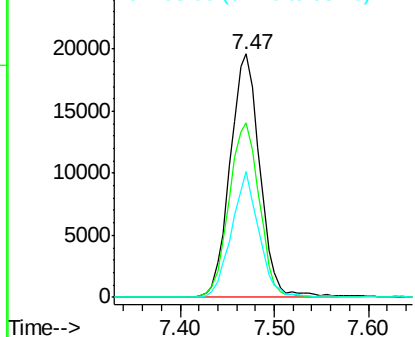
Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	55.5	83.3
98	51.7	38.2	57.4

Manual Integrations
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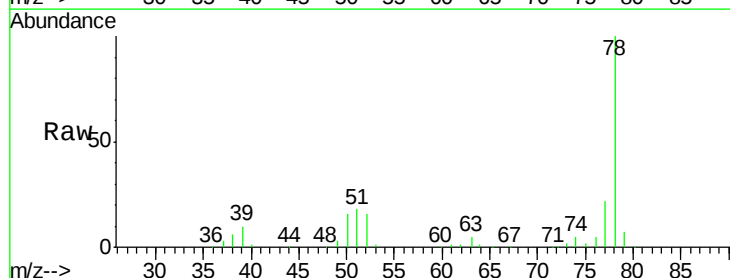


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

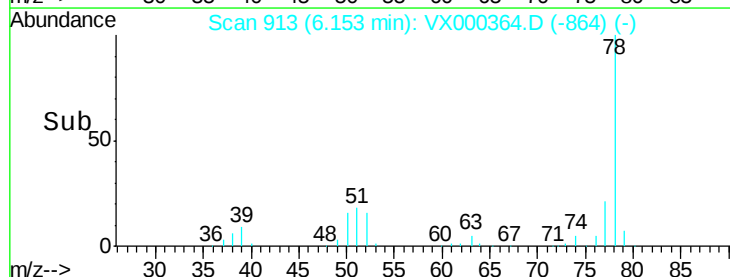
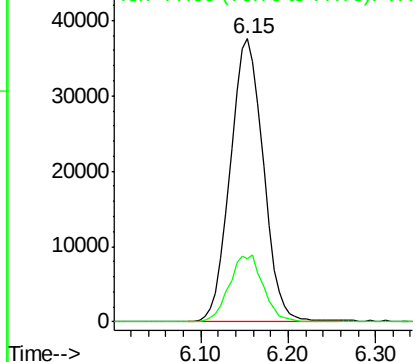


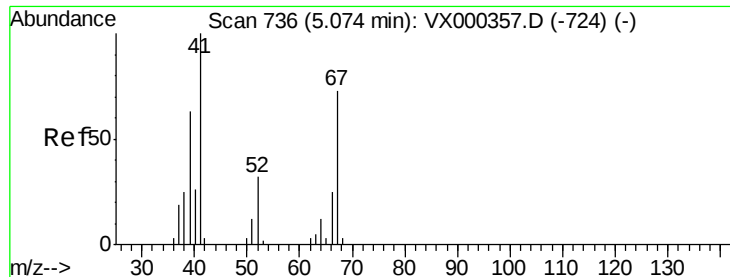
#40
Benzene
Concen: 19.15 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





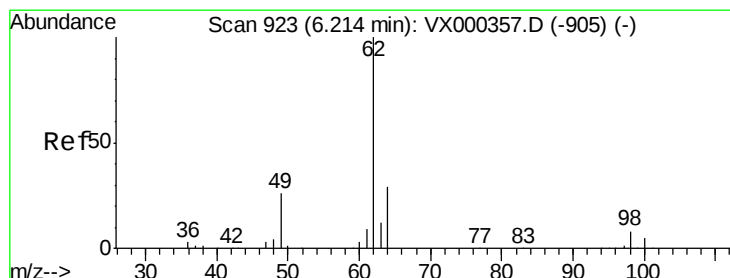
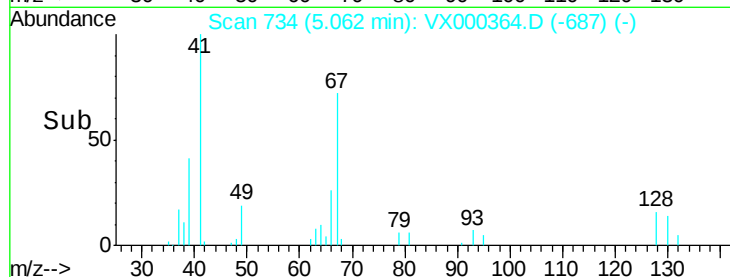
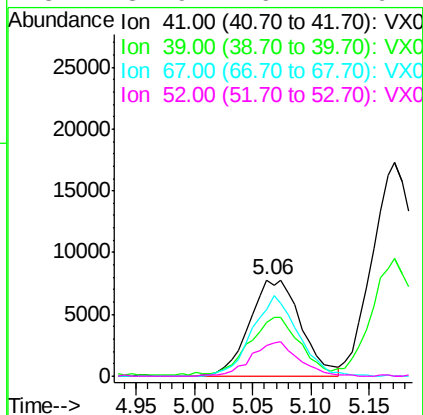
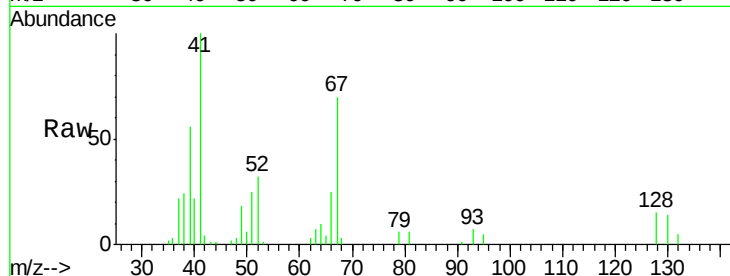
#41
Methacrylonitrile
Concen: 18.80 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampled :
VX0320WBS01

Tot Ion:	41	Resp:	24088
Ion	Ratio	Lower	Upper
41	100		
39	58.4	45.7	68.5
67	74.3	57.8	86.8
52	32.9	26.7	40.1

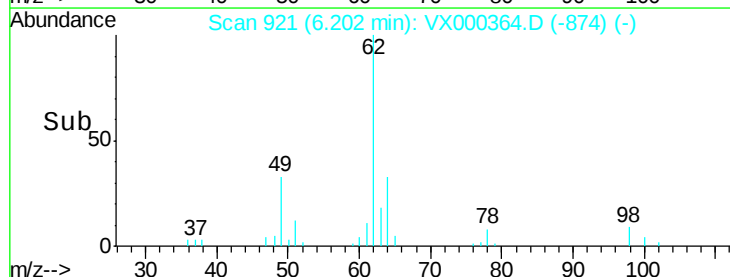
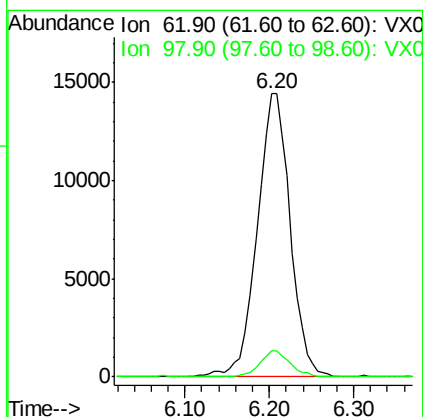
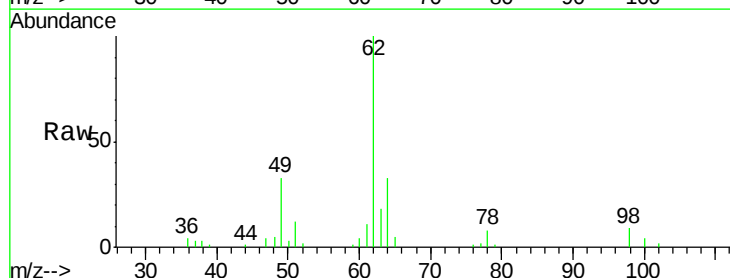
Manual Integrations
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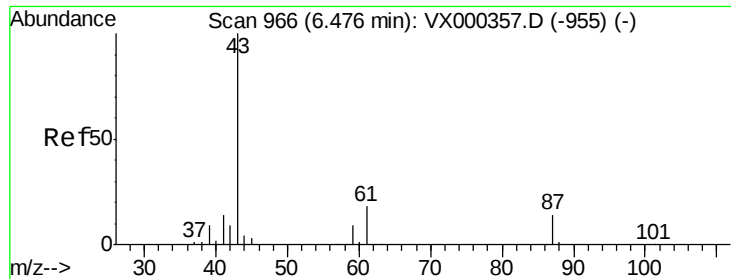
sam
3/21/2018 11:44:22 AM



#42
1,2-Dichloroethane
Concen: 19.05 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion:	62	Resp:	38620
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.8





#43

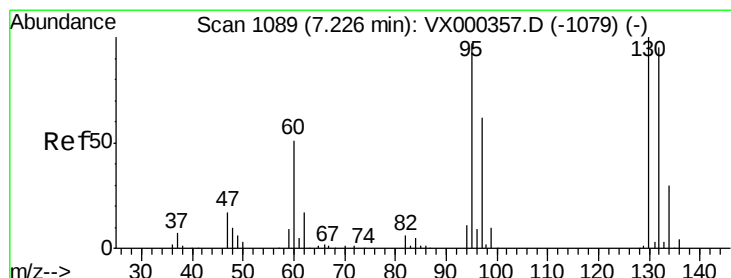
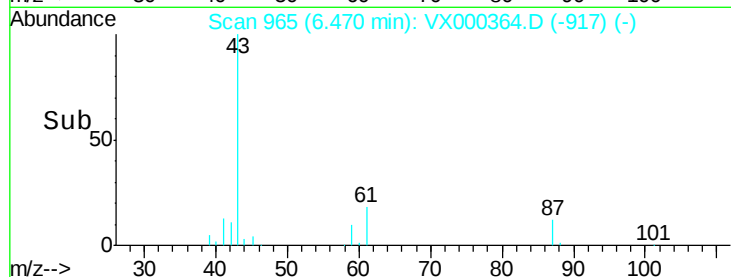
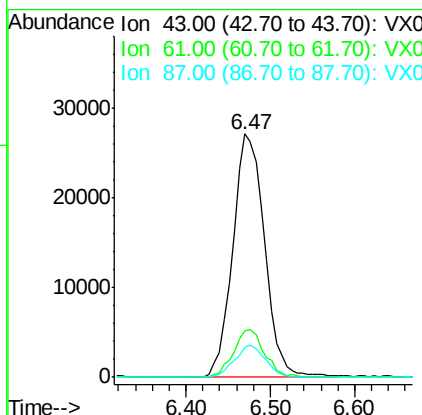
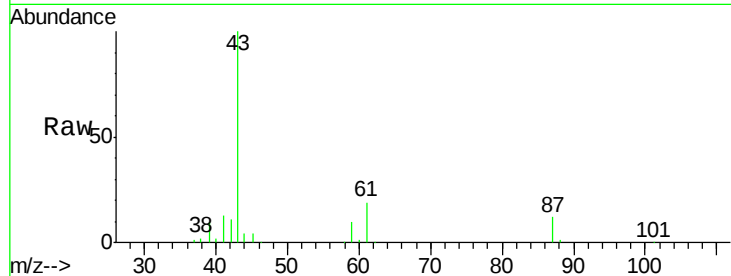
Isopropyl Acetate
 Concen: 19.12 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.4	21.6
87	13.0	11.0	16.4

Manual Integrations
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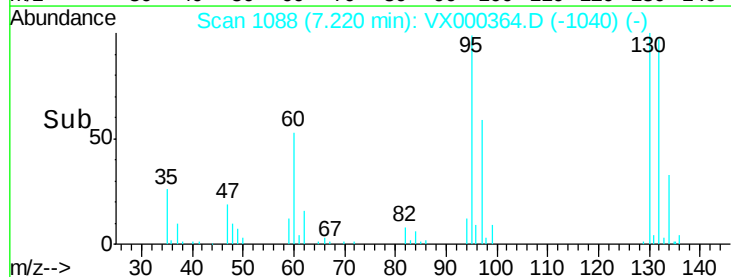
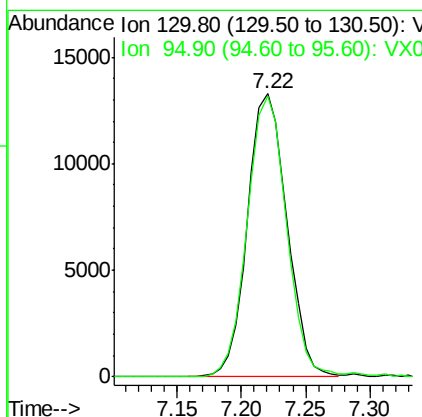
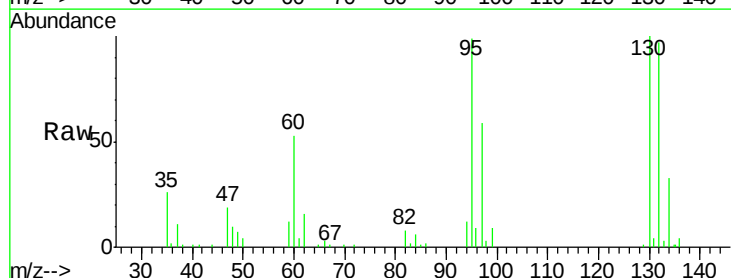
sam
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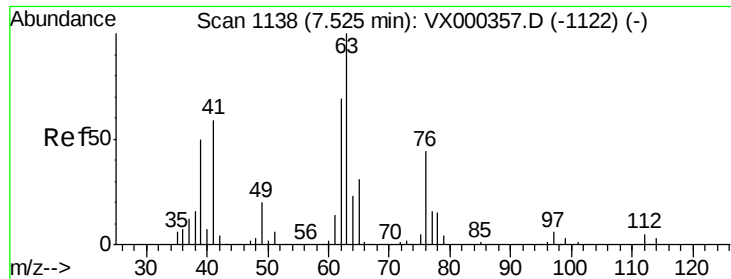


#44

Trichloroethene
 Concen: 19.05 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	186.0





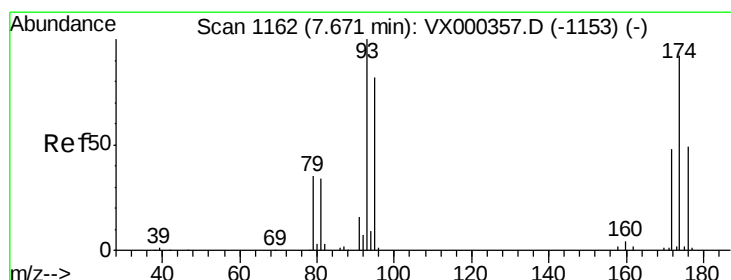
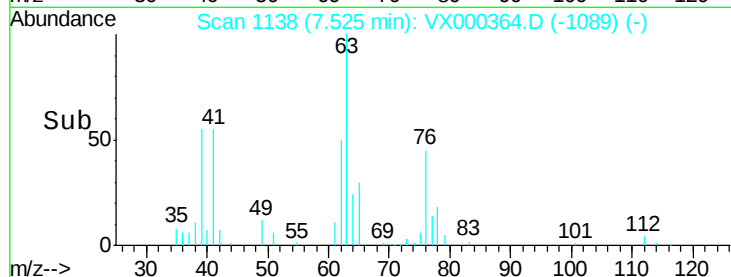
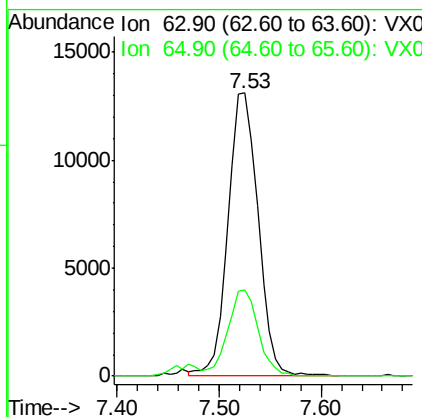
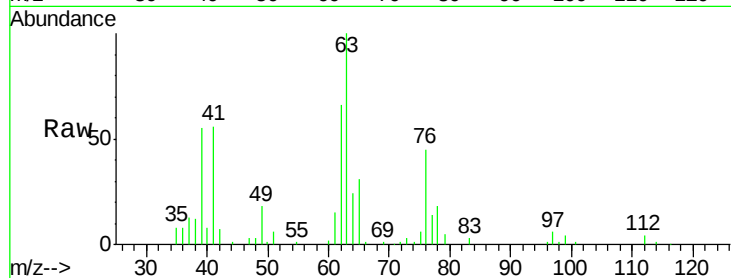
#45
 1,2-Dichloropropane
 Concen: 20.26 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0320WBS01

Tot Ion: 63 Resp: 26796
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8

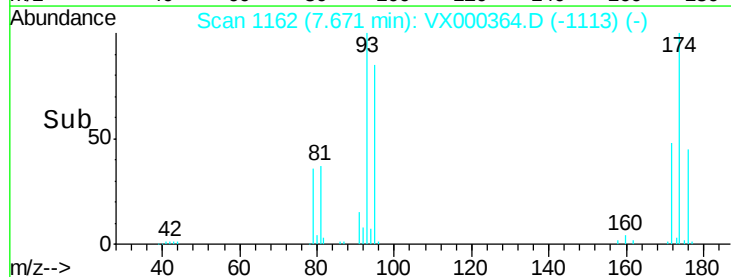
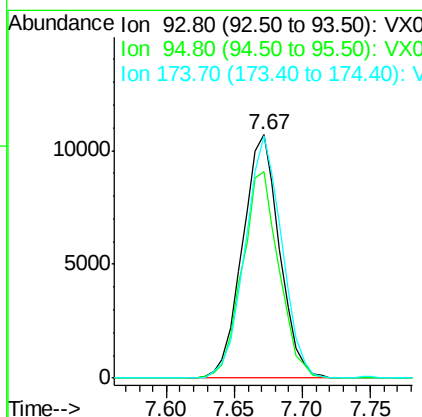
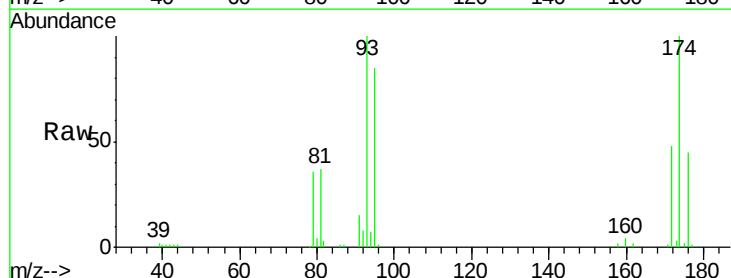
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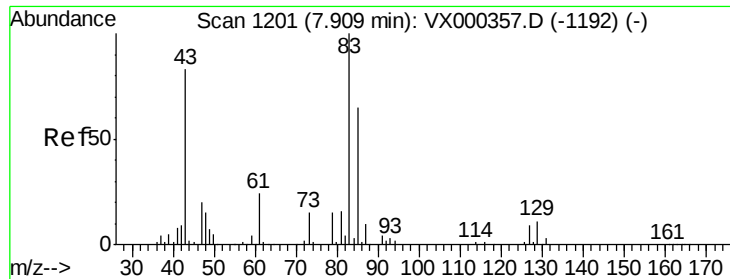
sam
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#46
 Dibromomethane
 Concen: 19.61 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Tgt Ion: 93 Resp: 20356
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 98.6 76.0 114.0





#47

Bromodichloromethane

Concen: 19.28 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

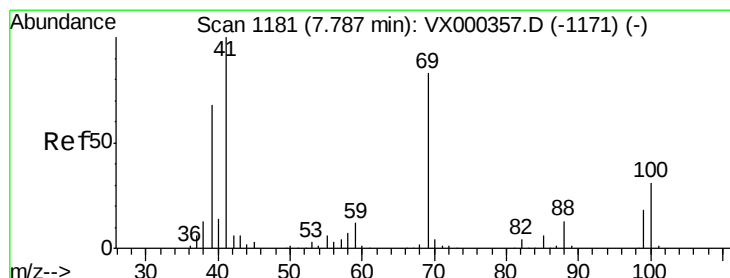
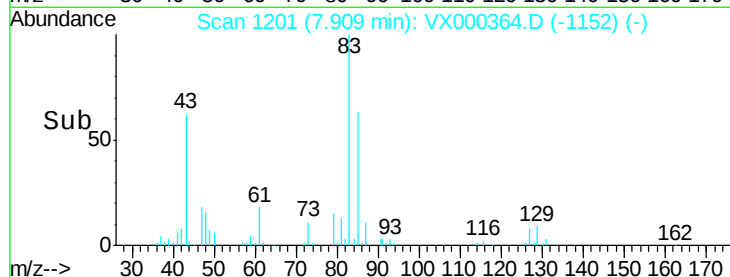
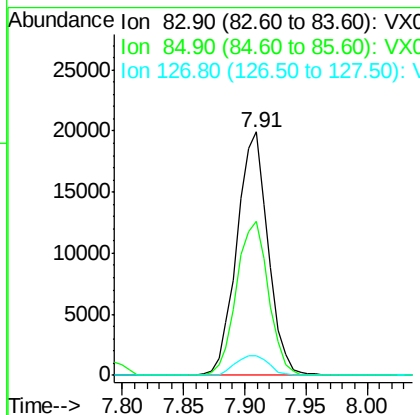
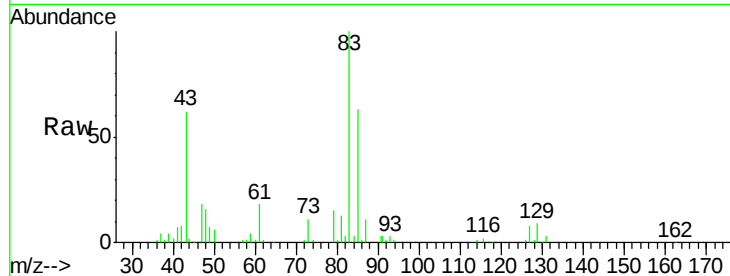
ClientSampled :

VX0320WBS01

Tot Ion:	83	Resp:	35200
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.4	77.0
127	8.0	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.83 ug/l

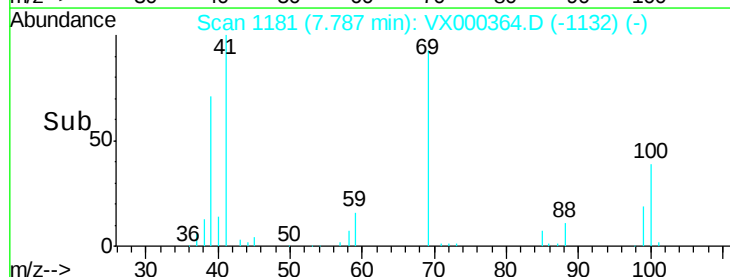
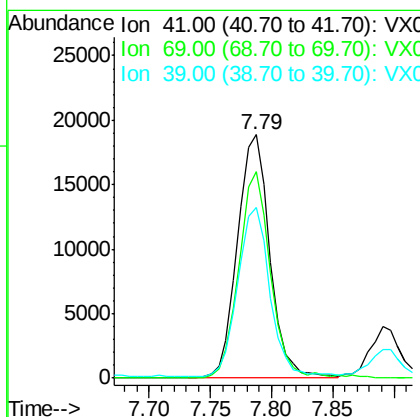
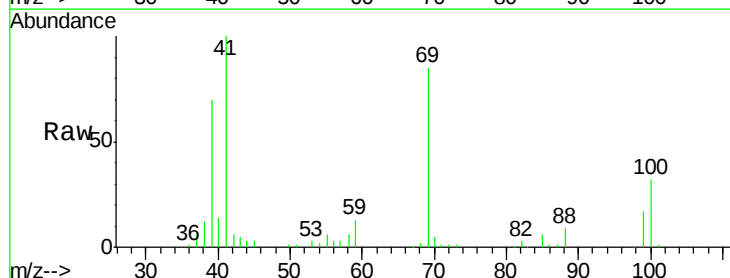
RT: 7.79 min Scan# 1181

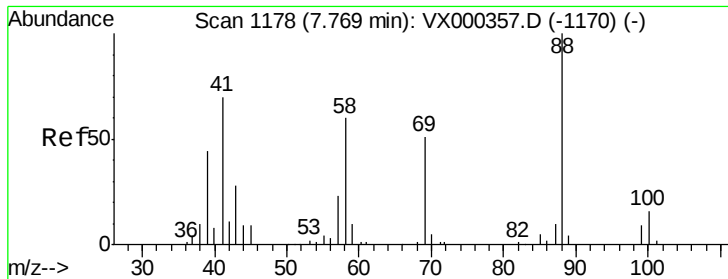
Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Tgt Ion:	41	Resp:	34818
Ion	Ratio	Lower	Upper
41	100		
69	83.4	68.2	102.4
39	68.1	54.6	81.8





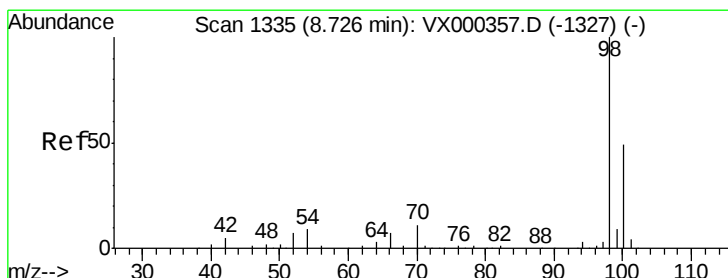
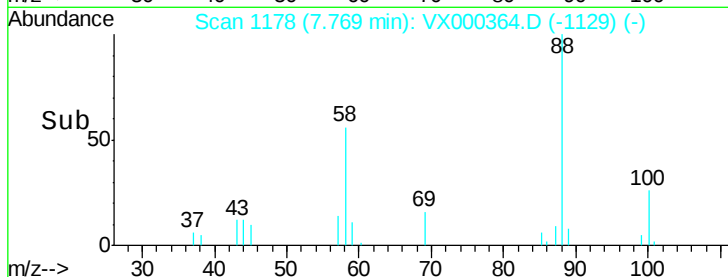
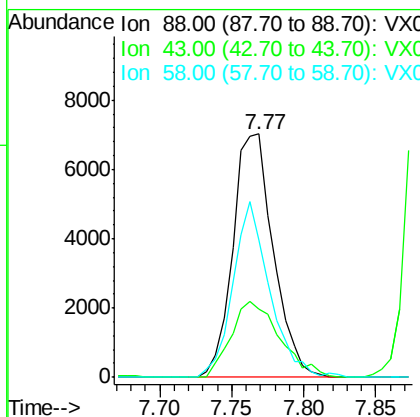
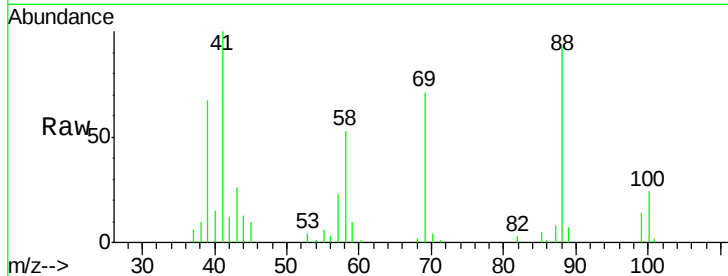
#49
1,4-Dioxane
Concen: 373.40 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	26.8	40.2
58	65.7	52.2	78.2

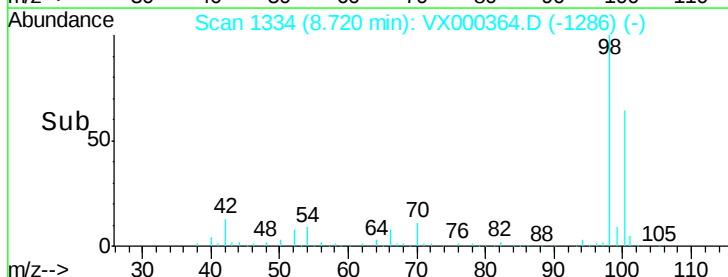
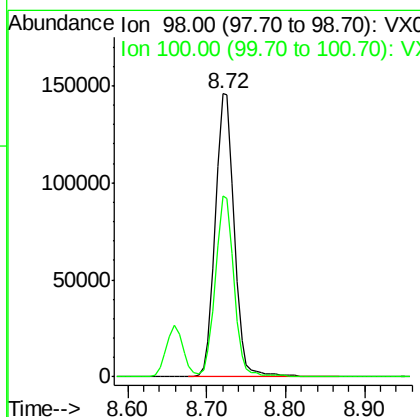
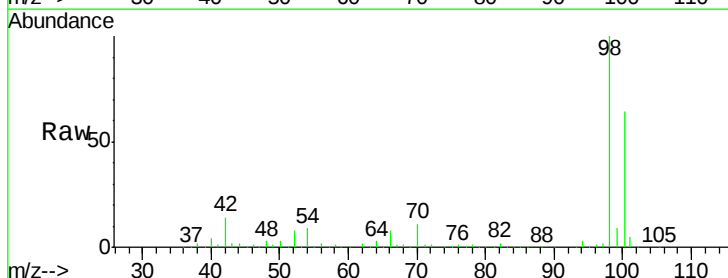
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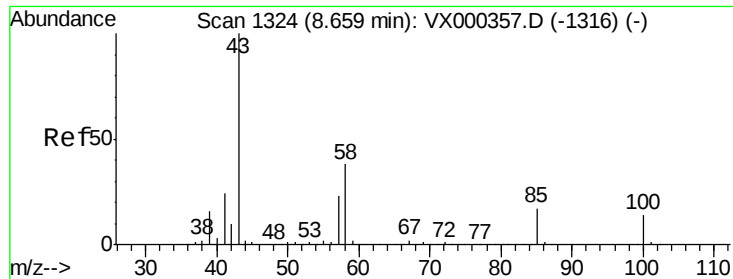
sam
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#50
Toluene-d8
Concen: 49.47 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 97.96 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS01

Tot Ion: 43 Resp: 274262

Ion Ratio Lower Upper

43 100

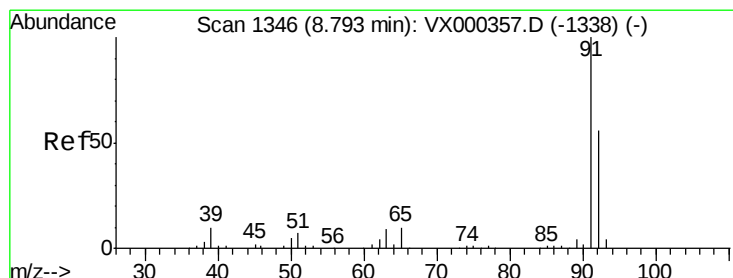
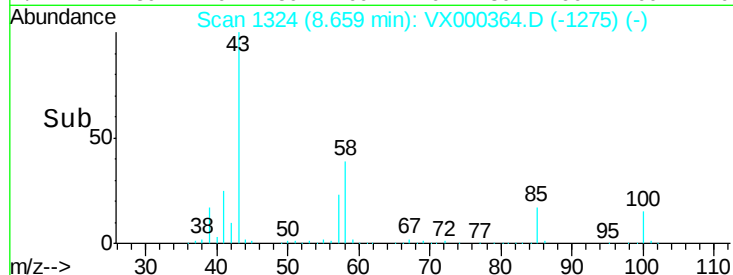
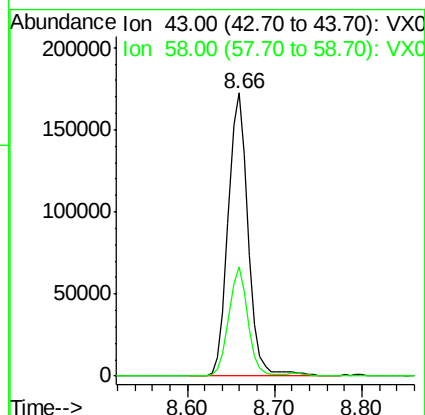
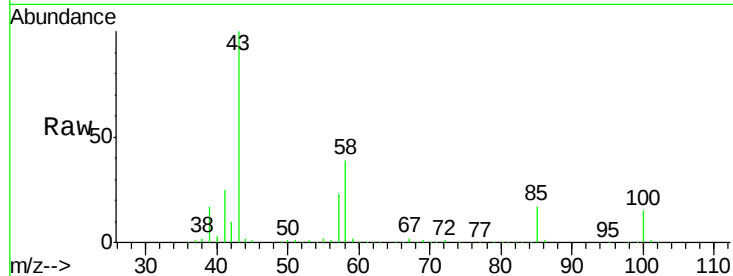
58 36.7 30.3 45.5

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: VX000364.D

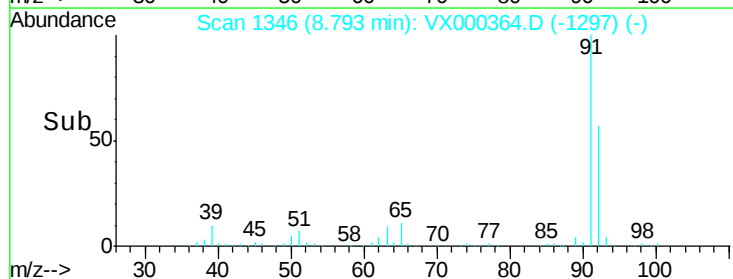
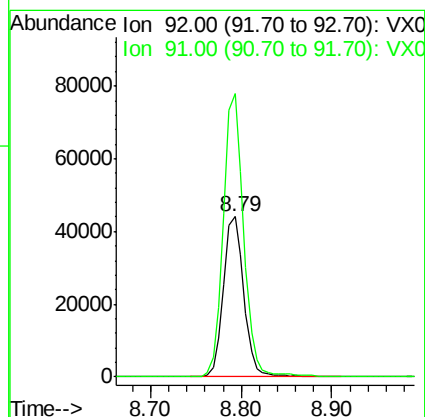
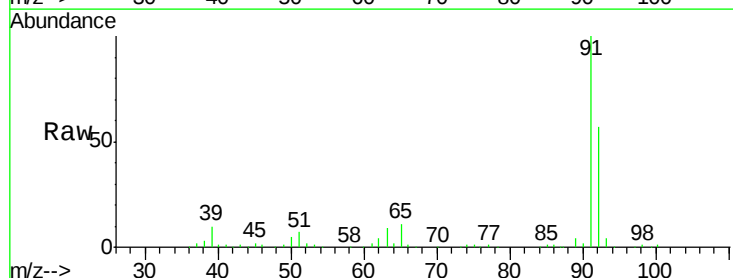
Acq: 20 Mar 2018 17:12

Tgt Ion: 92 Resp: 69584

Ion Ratio Lower Upper

92 100

91 176.0 140.2 210.2





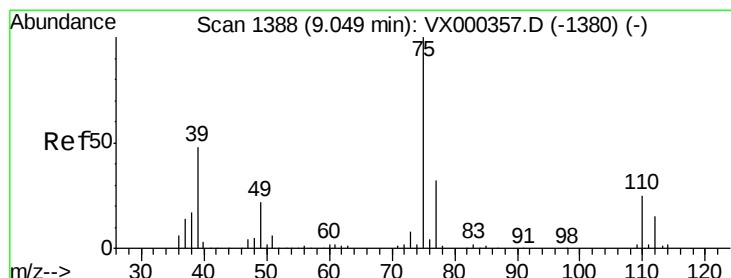
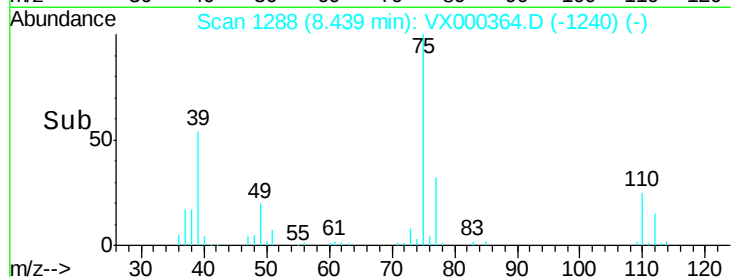
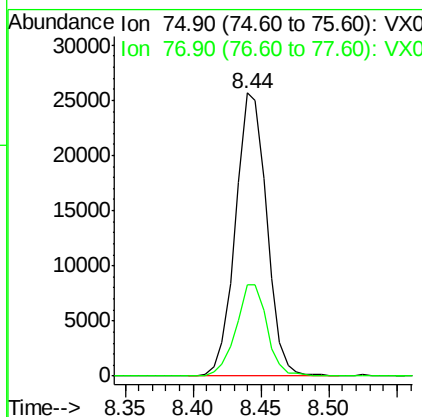
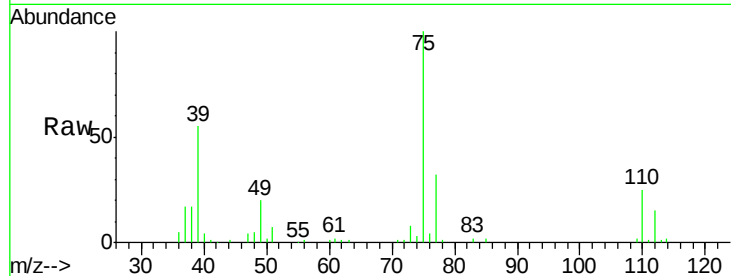
#53
t-1,3-Dichloropropene
Concen: 19.43 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampled :
VX0320WBS01

Tot Ion: 75 Resp: 41118
Ion Ratio Lower Upper
75 100
77 32.3 24.0 36.0

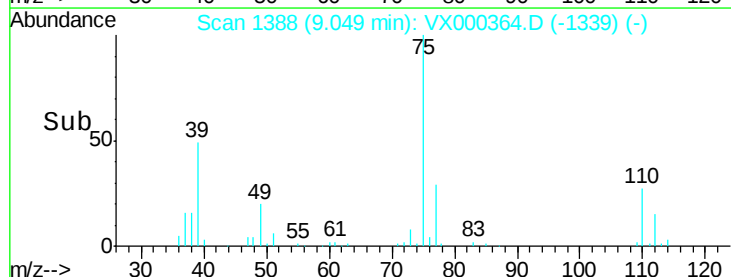
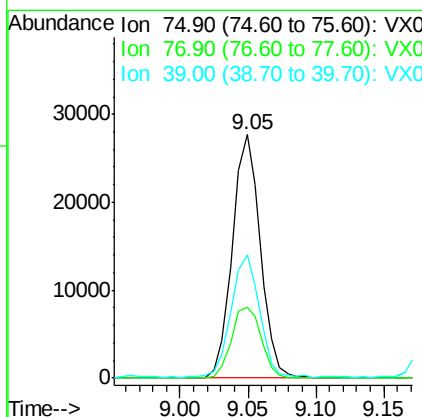
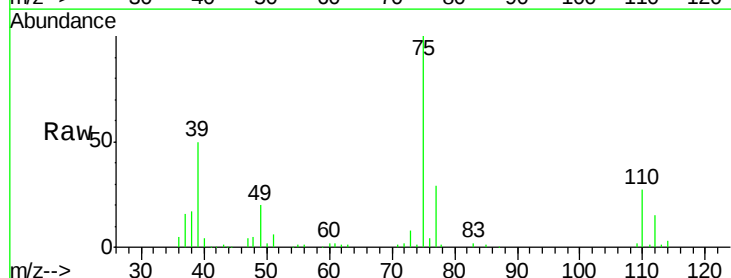
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#54
cis-1,3-Dichloropropene
Concen: 19.26 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion: 75 Resp: 39531
Ion Ratio Lower Upper
75 100
77 29.3 26.1 39.1
39 50.0 39.8 59.6





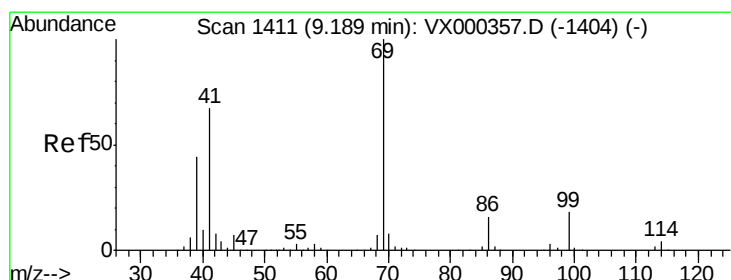
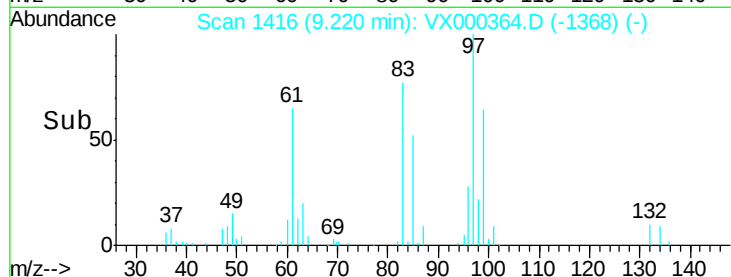
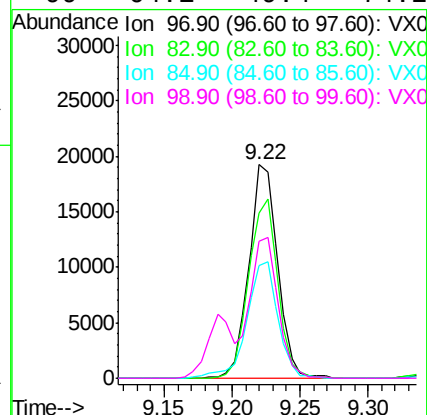
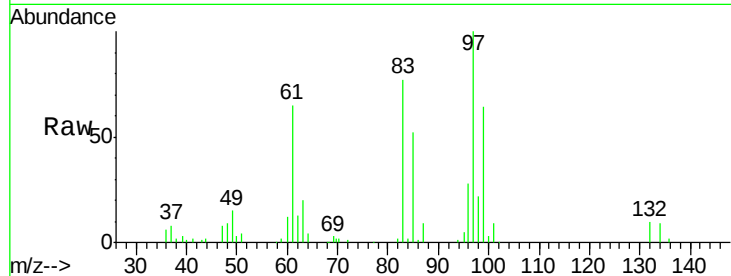
#55
 1,1,2-Trichloroethane
 Concen: 19.28 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion:	97	Resp:	28636
Ion Ratio	Lower	Upper	
97	100		
83	77.3	67.9	101.9
85	52.5	42.8	64.2
99	64.1	49.4	74.2

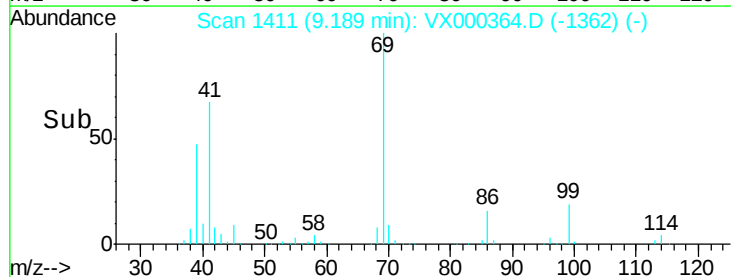
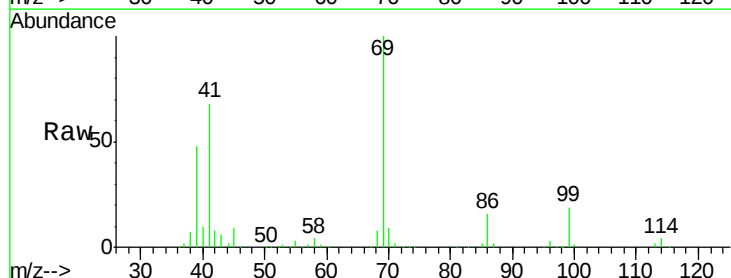
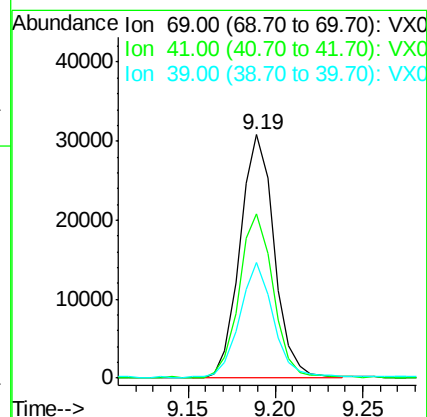
Manual Integrations
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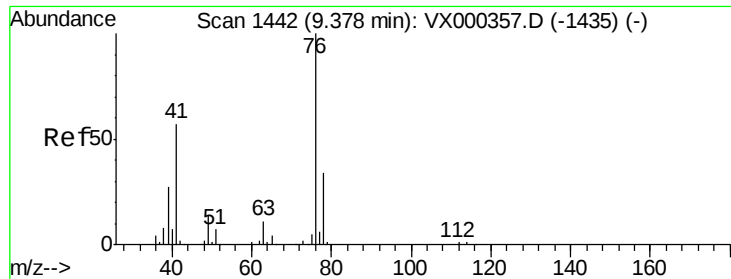
sam
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#56
 Ethyl methacrylate
 Concen: 18.67 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Tgt Ion:	69	Resp:	42025
Ion Ratio	Lower	Upper	
69	100		
41	67.9	53.0	79.6
39	46.9	35.3	52.9





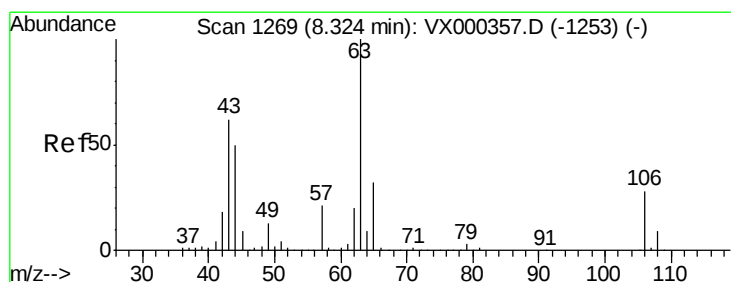
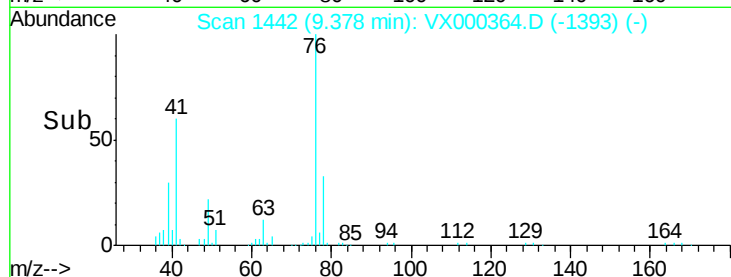
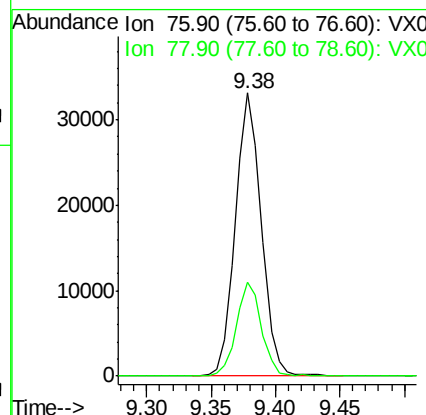
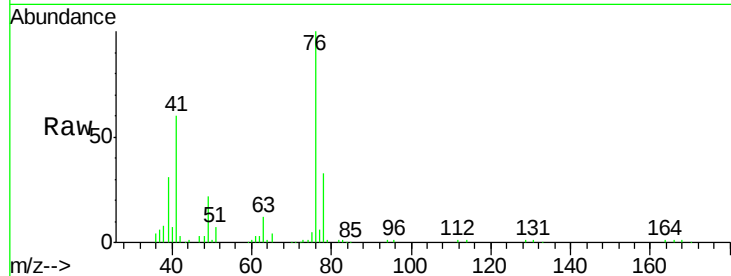
#57
 1,3-Dichloropropane
 Concen: 19.69 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion: 76 Resp: 46782
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.4 39.6

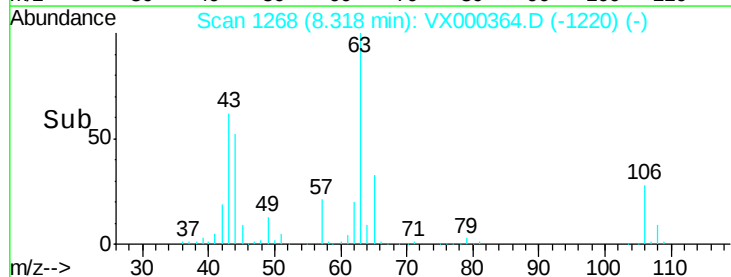
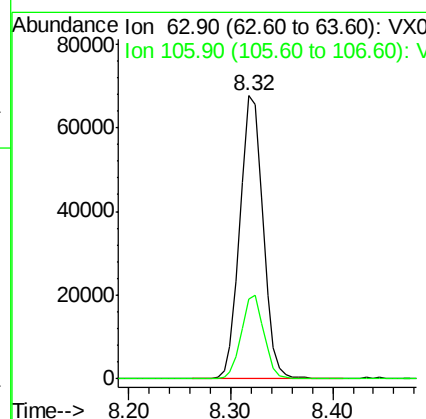
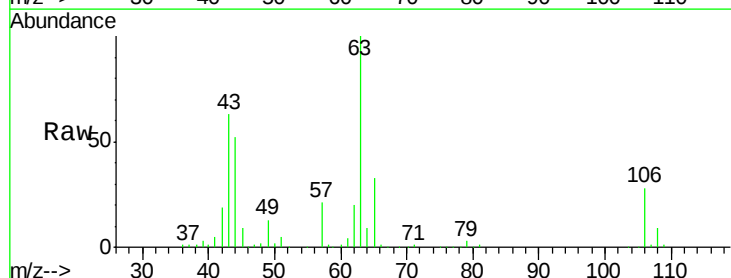
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 98.40 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Tgt Ion: 63 Resp: 106282
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.2 34.8





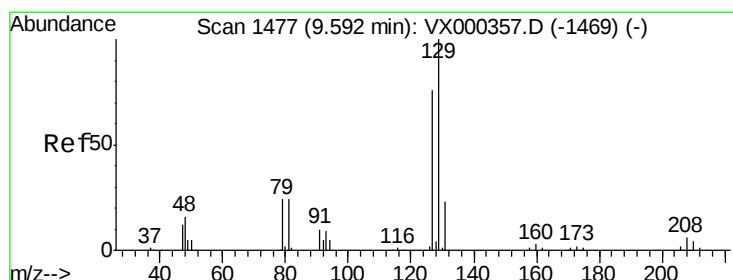
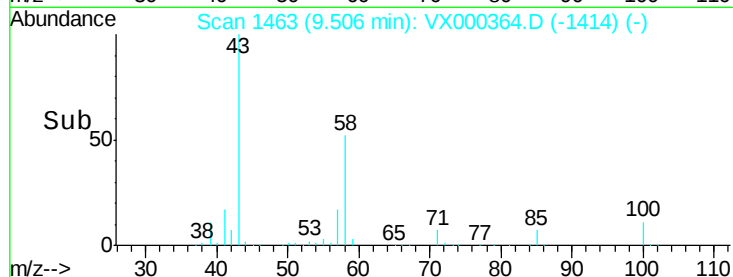
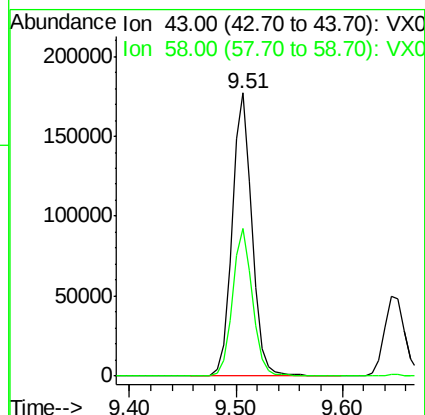
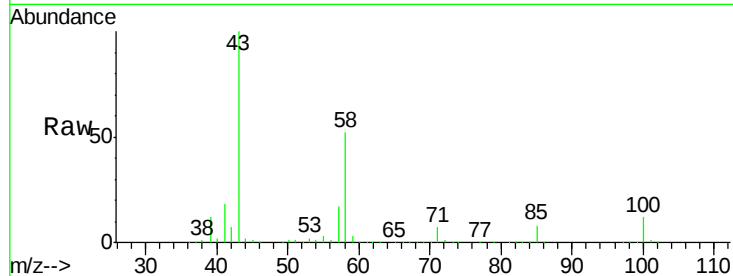
#59
2-Hexanone
Concen: 97.03 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion: 43 Resp: 230669
Ion Ratio Lower Upper
43 100
58 52.8 26.6 79.7

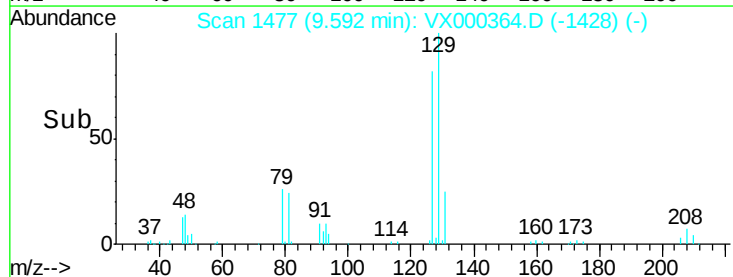
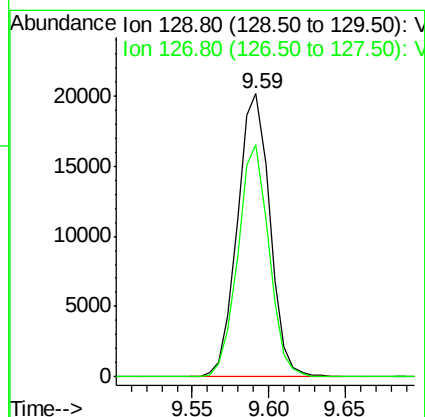
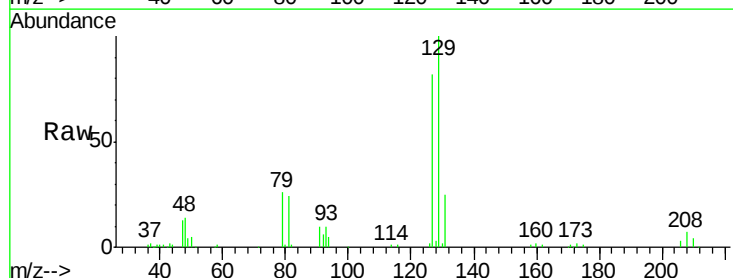
Manual Integrations
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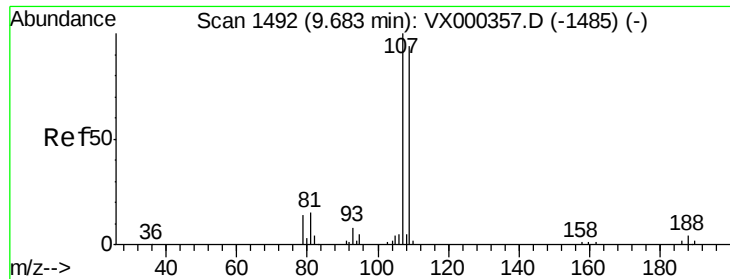
sam
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#60
Dibromochloromethane
Concen: 19.56 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion: 129 Resp: 29580
Ion Ratio Lower Upper
129 100
127 78.6 37.9 113.6





#61

1,2-Dibromoethane

Concen: 19.39 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion:107 Resp: 30883

Ion Ratio Lower Upper

107 100

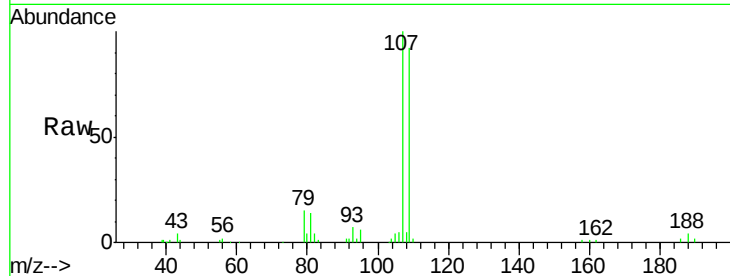
109 94.7 76.1 114.1

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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

25000

20000

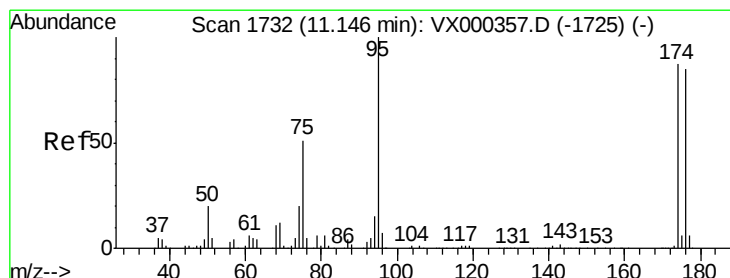
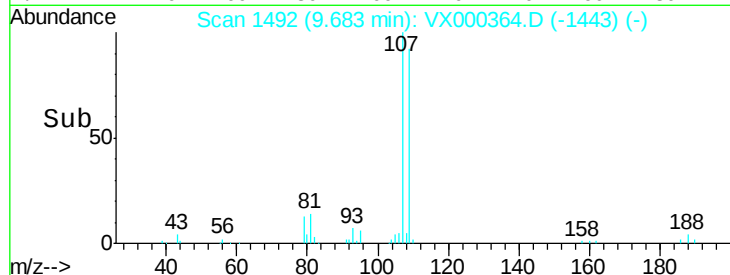
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.99 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

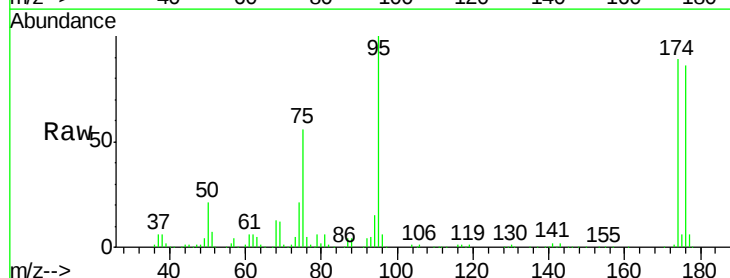
Tgt Ion: 95 Resp: 90364

Ion Ratio Lower Upper

95 100

174 88.2 0.0 173.6

176 85.2 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

100000

80000

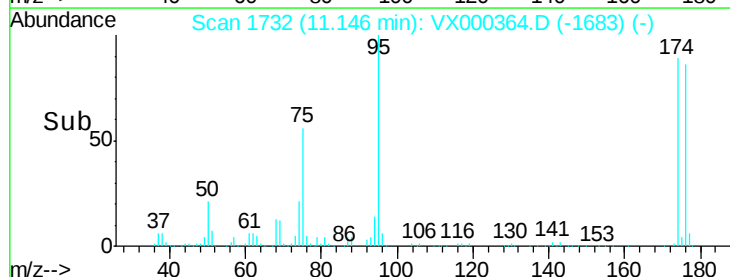
60000

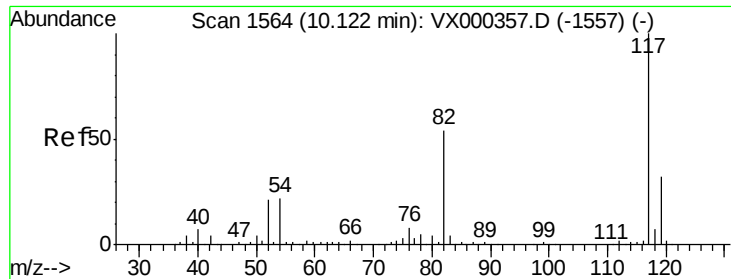
40000

20000

0

Time-->





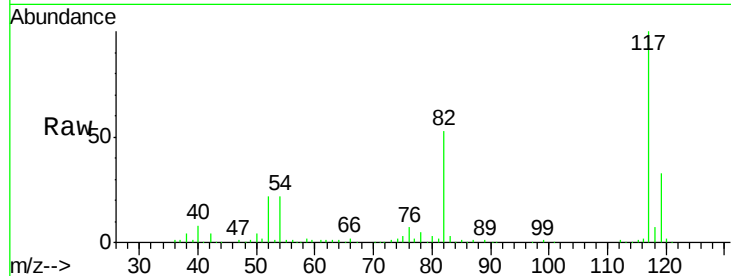
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

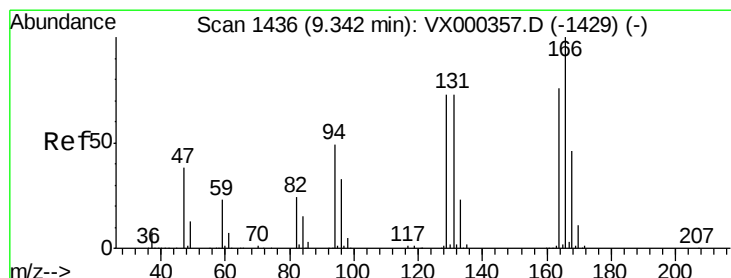
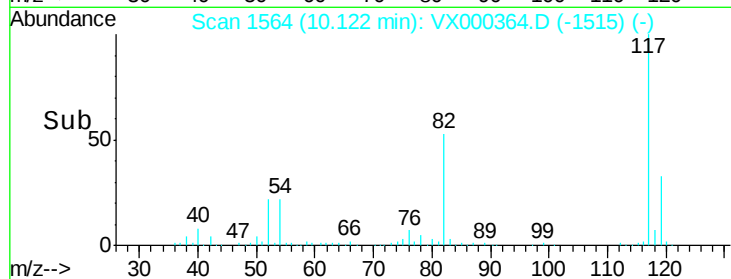
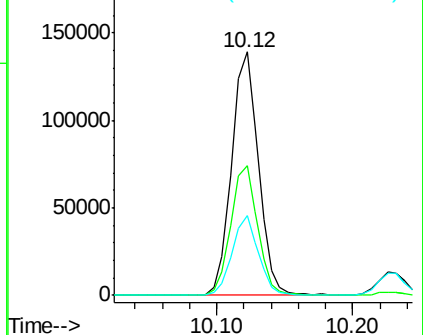
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.8	65.8
119	32.8	24.9	37.3

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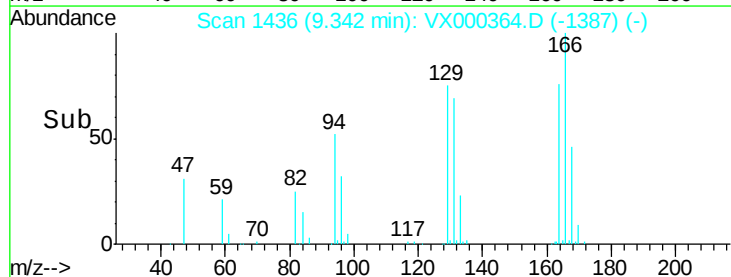
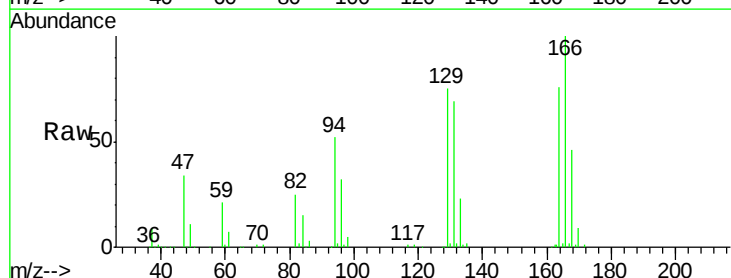
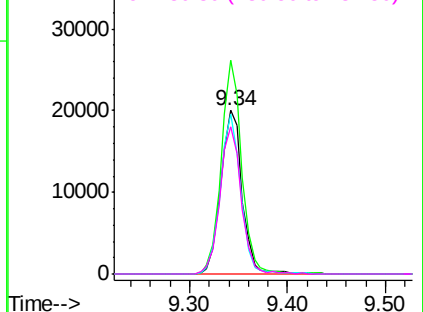
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

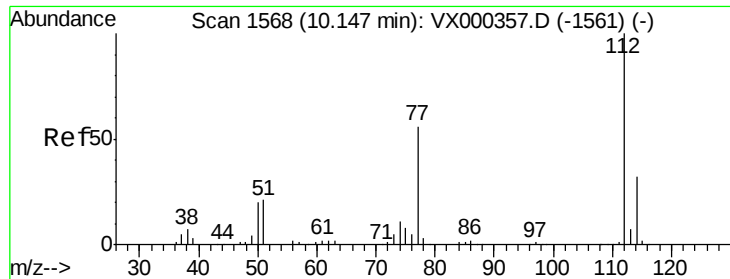


#64
Tetrachloroethene
Concen: 20.47 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	101.0	151.6
129	98.3	79.0	118.4
131	90.2	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: 18.86 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS01

Tot Ion:112 Resp: 80279

Ion Ratio Lower Upper

112 100

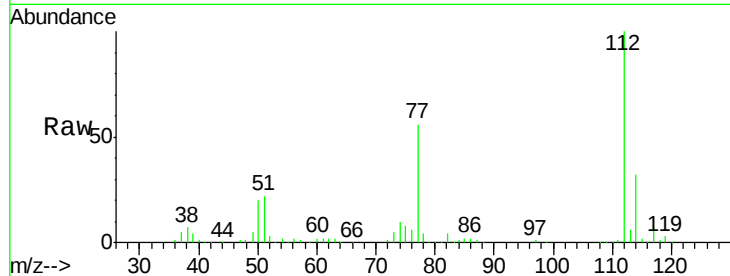
114 31.6 25.7 38.5

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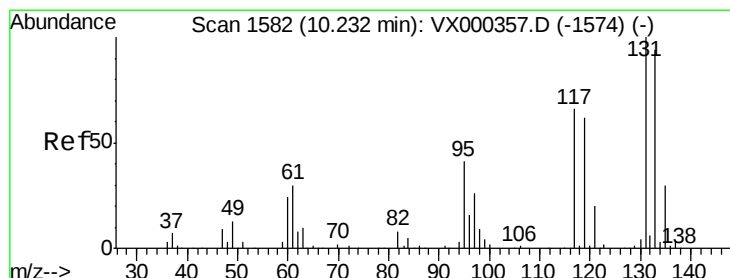
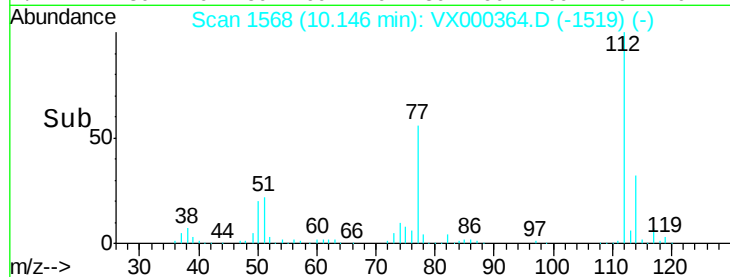
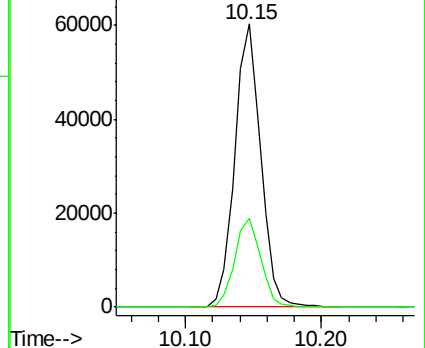
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.58 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

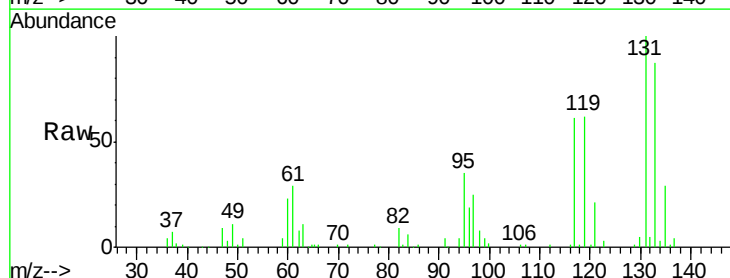
Tgt Ion:131 Resp: 28296

Ion Ratio Lower Upper

131 100

133 89.8 47.1 141.3

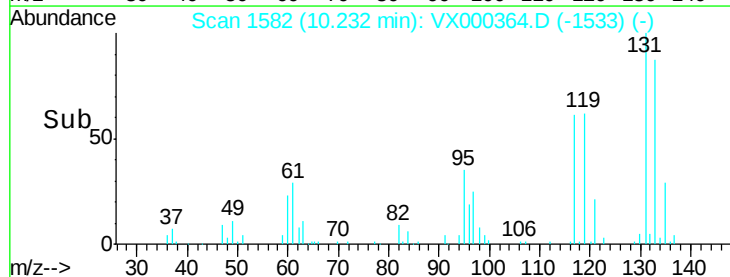
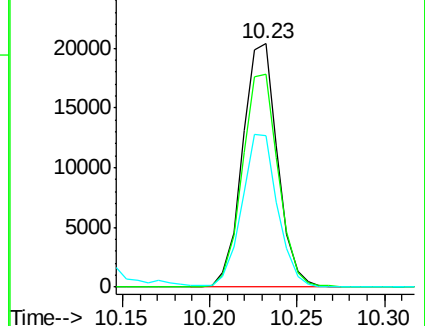
119 63.8 33.1 99.2

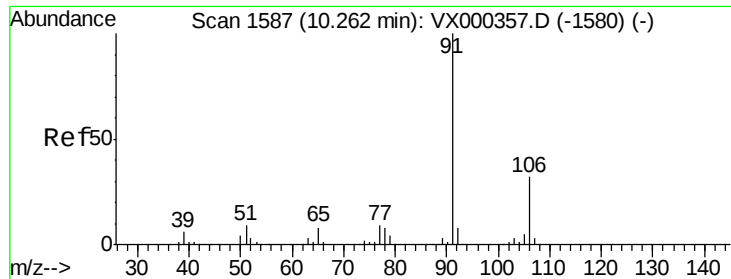


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





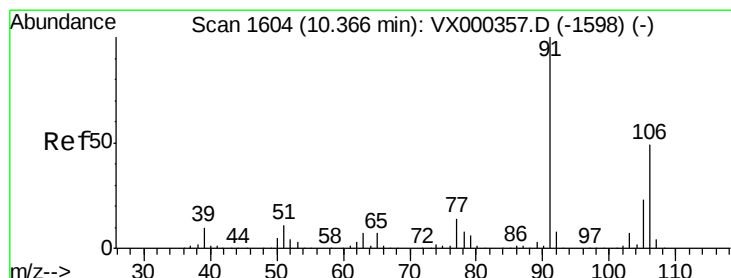
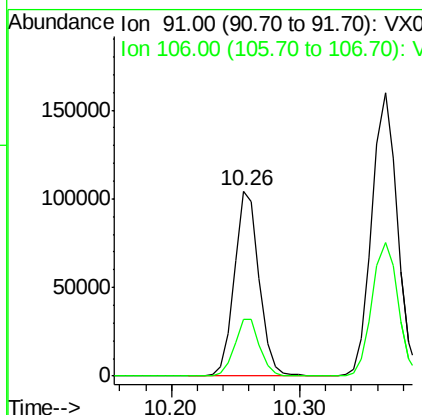
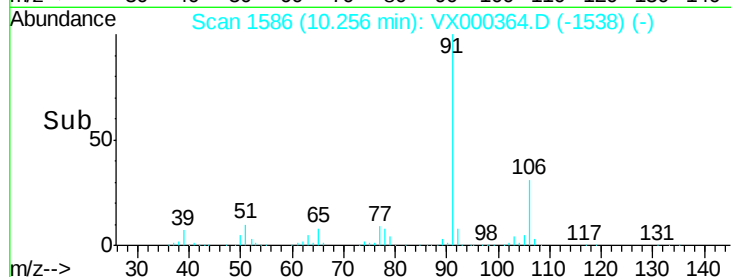
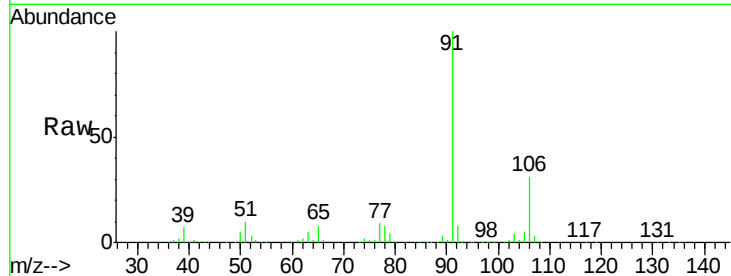
#67
Ethyl Benzene
Concen: 19.41 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampled :
VX0320WBS01

Tot Ion: 91 Resp: 140032
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.6

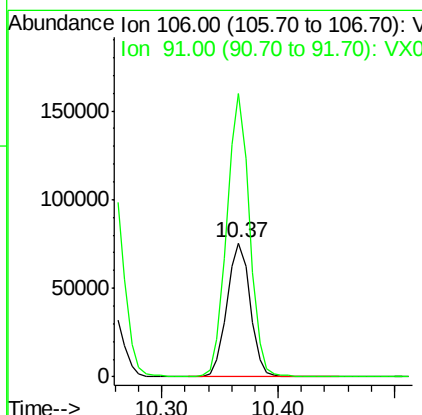
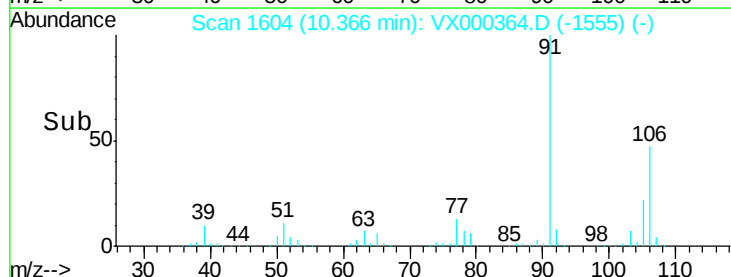
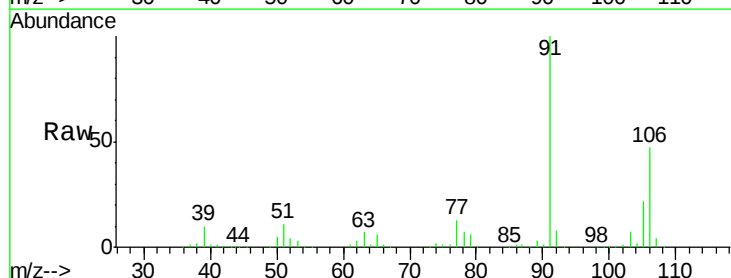
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#68
m/p-Xylenes
Concen: 37.03 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion: 106 Resp: 105144
Ion Ratio Lower Upper
106 100
91 205.9 163.4 245.2





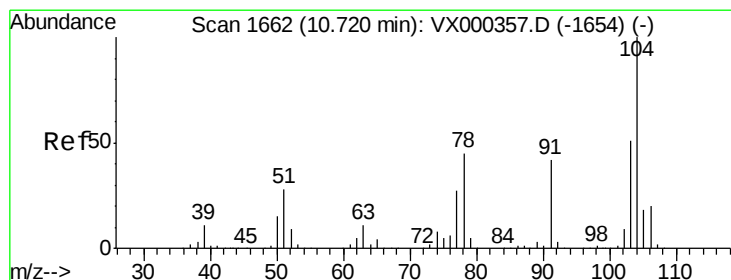
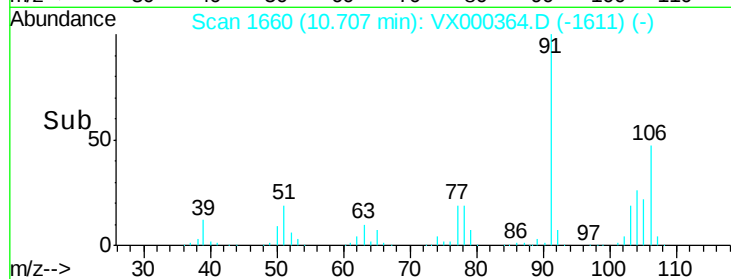
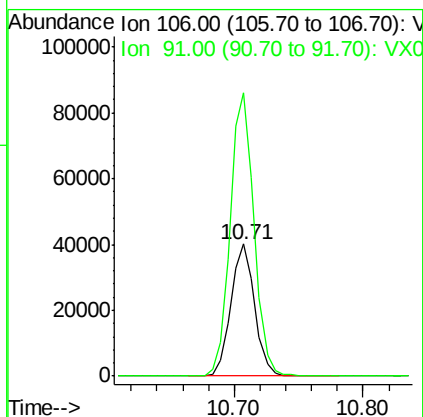
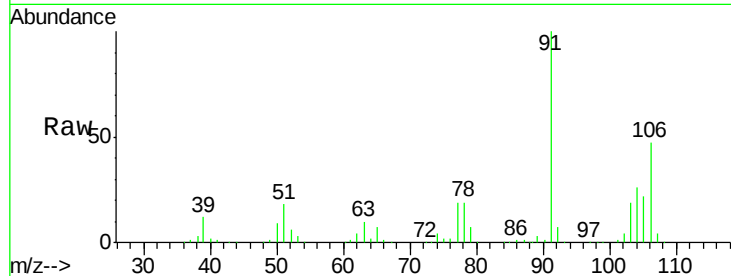
#69
o-Xylene
Concen: 18.89 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampled :
VX0320WBS01

Tot Ion:106 Resp: 51919
Ion Ratio Lower Upper
106 100
91 214.4 106.5 319.6

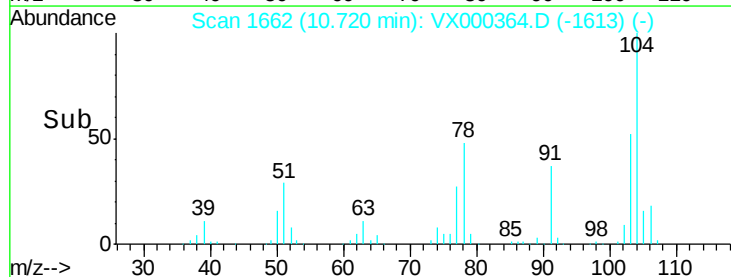
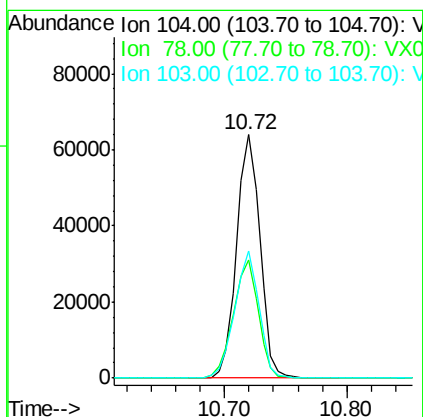
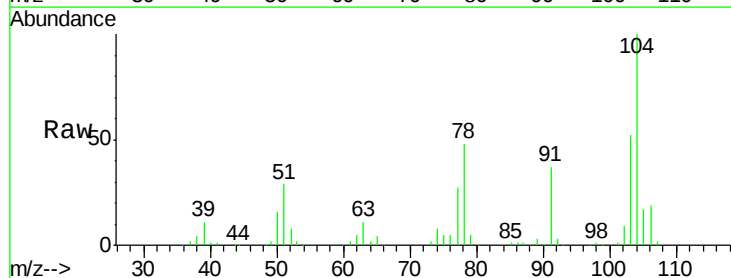
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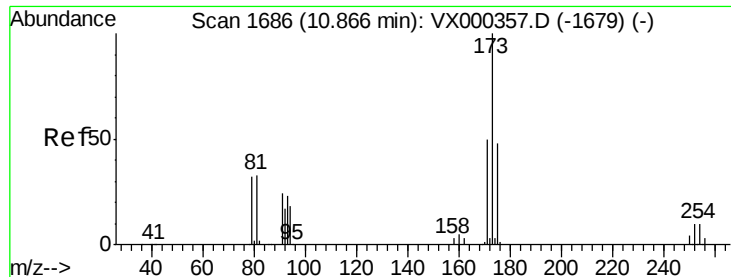
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#70
Styrene
Concen: 18.52 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion:104 Resp: 84242
Ion Ratio Lower Upper
104 100
78 52.1 40.5 60.7
103 54.7 45.7 68.5





#71

Bromoform

Concen: 18.19 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS01

Tot Ion:173 Resp: 22348

Ion Ratio Lower Upper

173 100

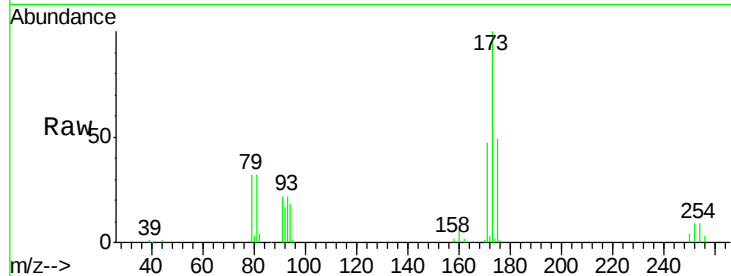
175 50.8 25.4 76.4

254 0.0 0.0 0.0

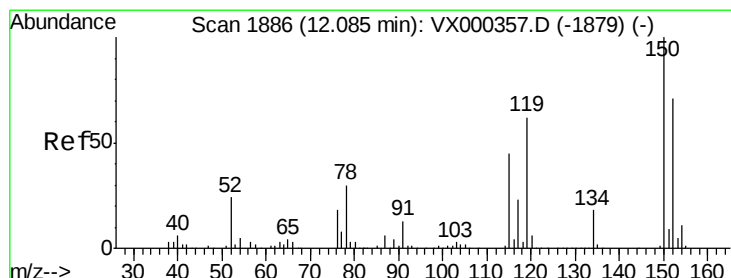
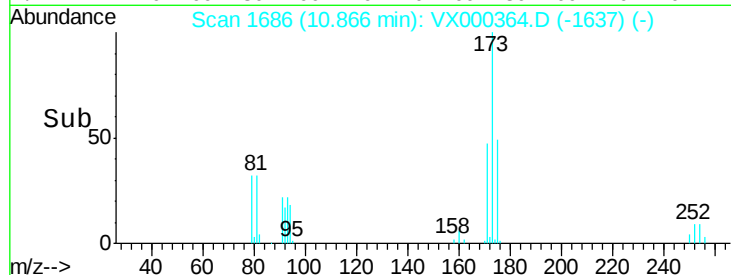
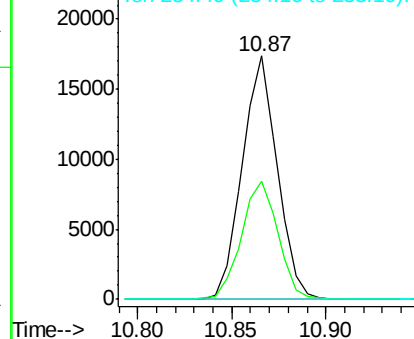
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

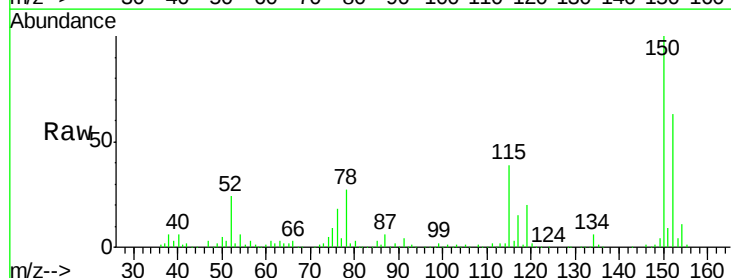
Tgt Ion:152 Resp: 102642

Ion Ratio Lower Upper

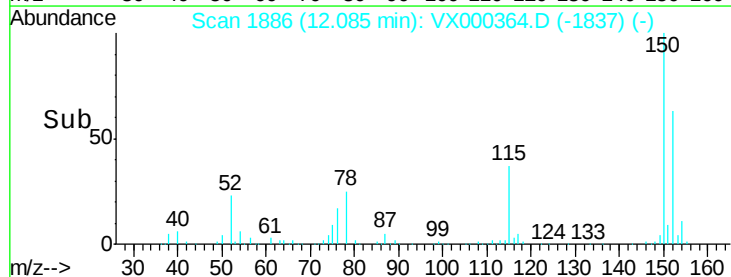
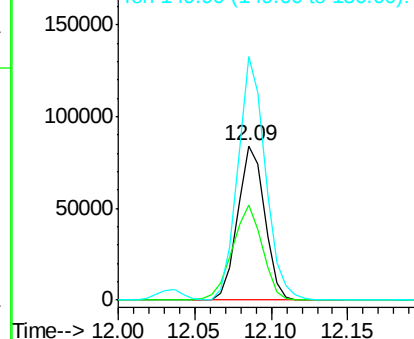
152 100

115 68.0 39.8 119.3

150 162.3 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: 20.82 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion:105 Resp: 141565

Ion Ratio Lower Upper

105 100

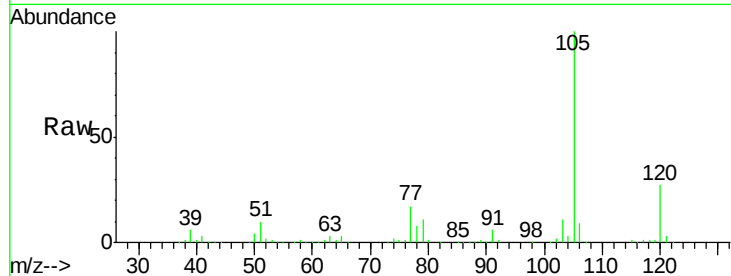
120 26.7 13.6 40.7

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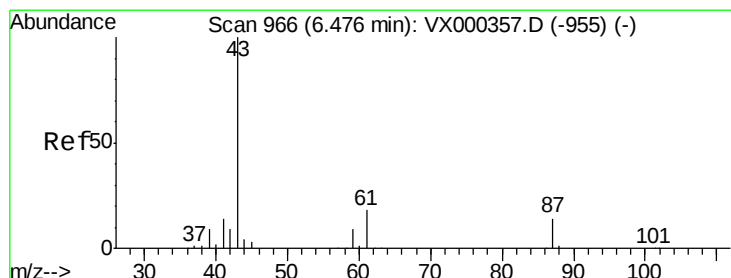
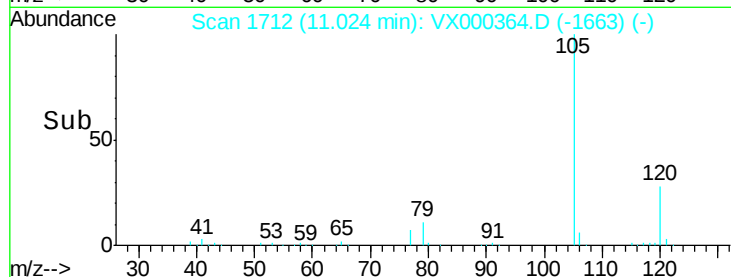
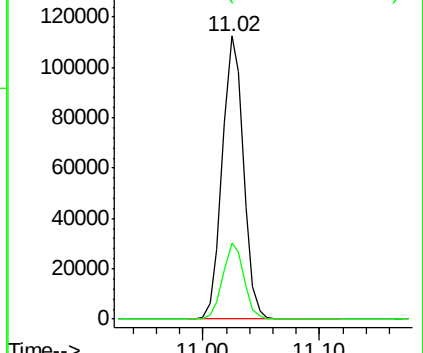
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.45 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Tgt Ion: 43 Resp: 69157

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

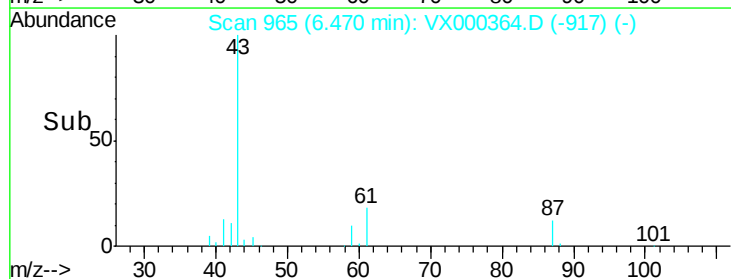
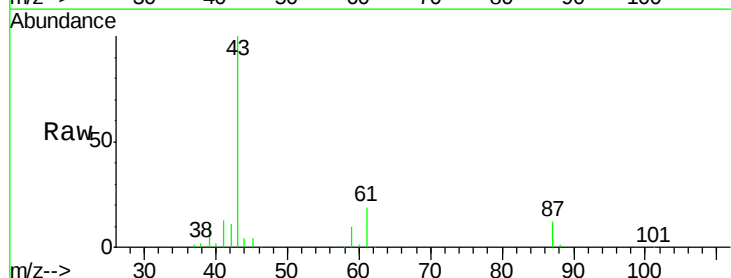
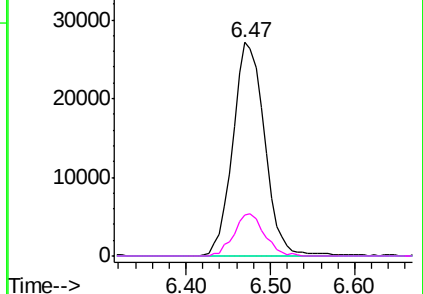
61 18.9 14.4 21.6

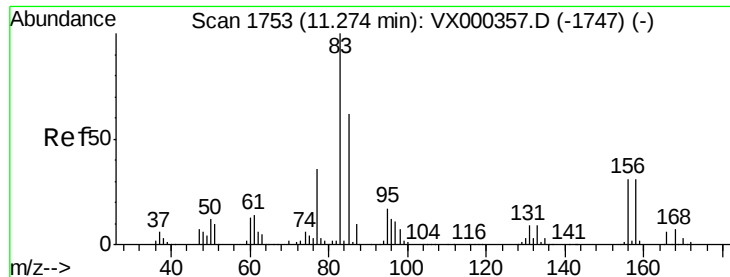
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.51 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

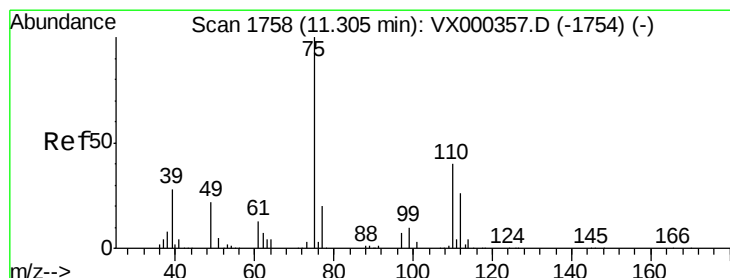
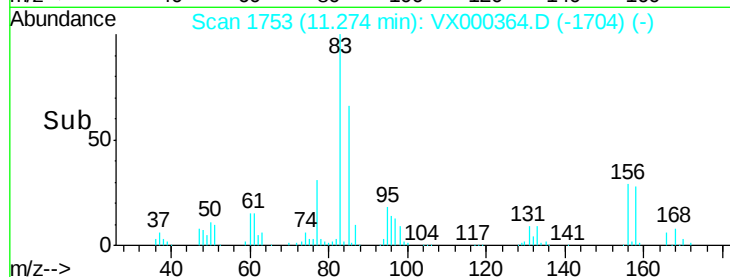
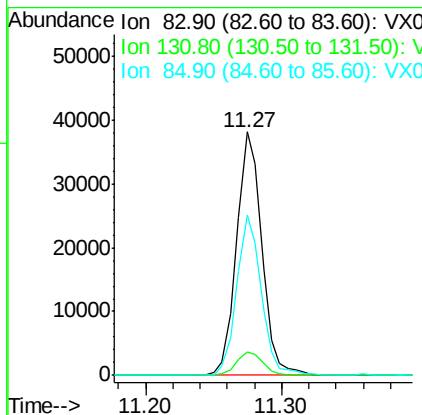
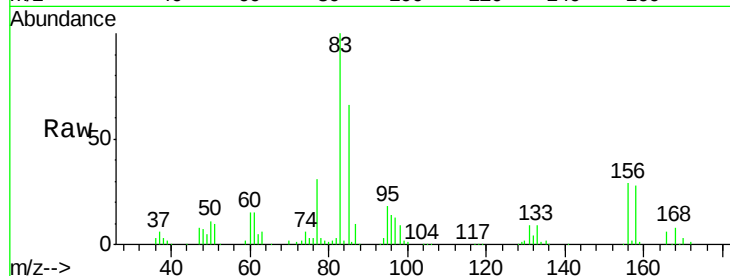
ClientSampleId :

VX0320WBS01

Tot Ion:	83	Resp:	49327
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	64.3	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 20.52 ug/l m

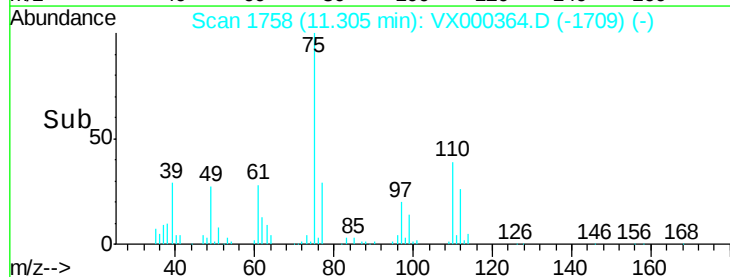
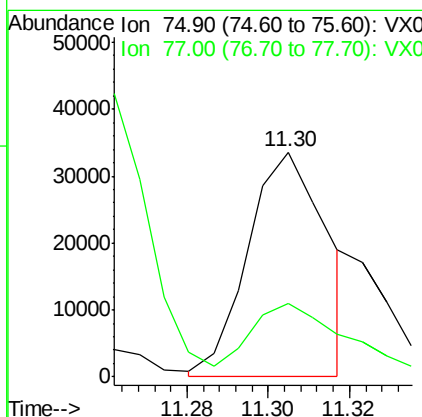
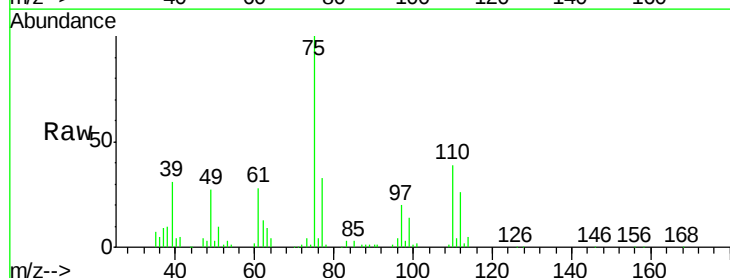
RT: 11.30 min Scan# 1758

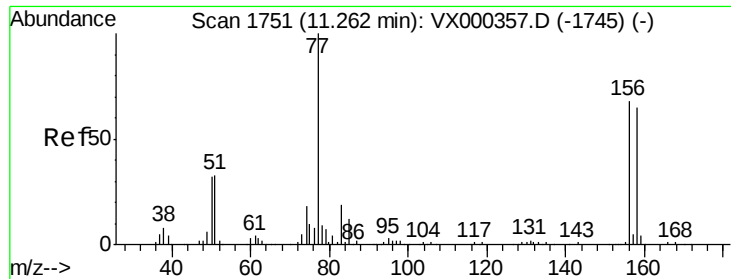
Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Tgt Ion:	75	Resp:	45257
Ion Ratio	Lower	Upper	
75	100		
77	40.7	21.4	64.2





#77

Bromobenzene

Concen: 19.67 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS01

Tot Ion:156 Resp: 35631

Ion Ratio Lower Upper

156 100

77 148.1 73.4 220.2

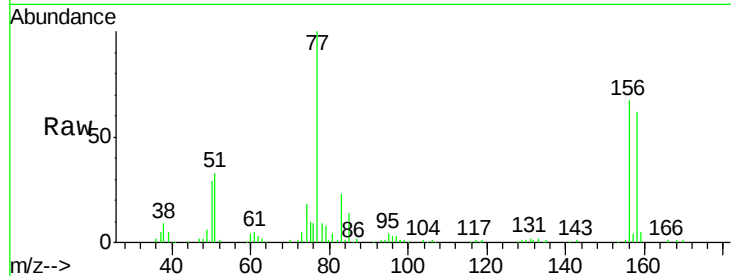
158 96.4 48.5 145.6

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sam

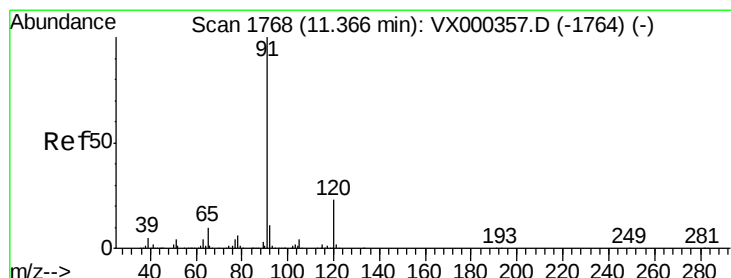
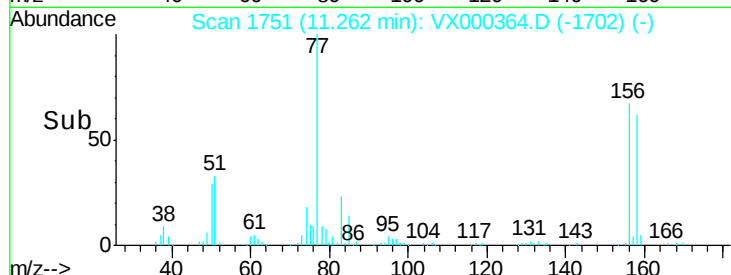
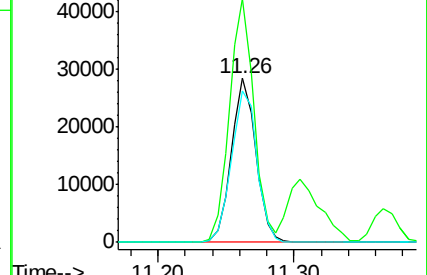
3/21/2018 11:44:22 AM



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: 20.28 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000364.D

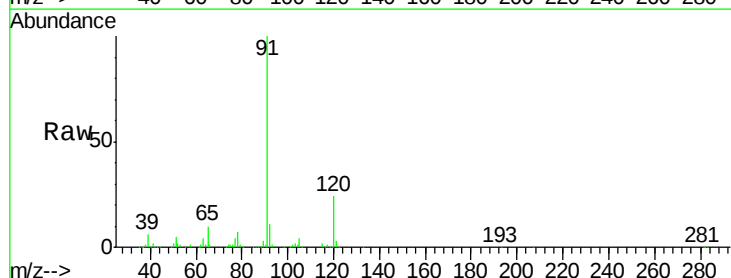
Acq: 20 Mar 2018 17:12

Tgt Ion: 91 Resp: 164456

Ion Ratio Lower Upper

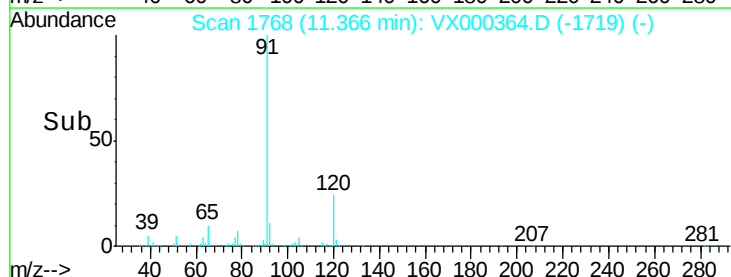
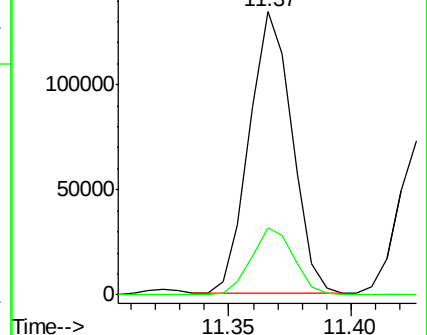
91 100

120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





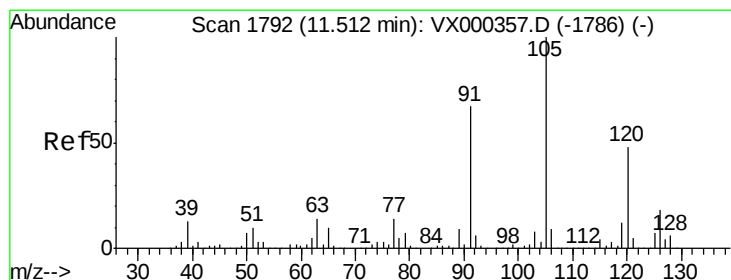
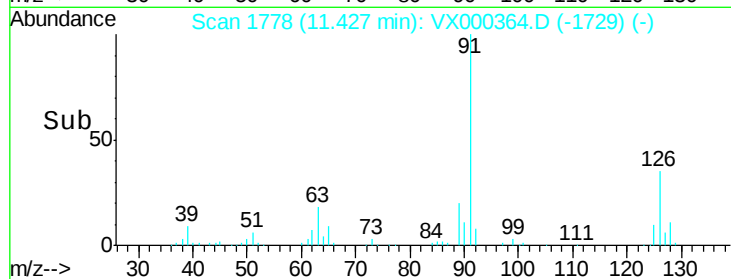
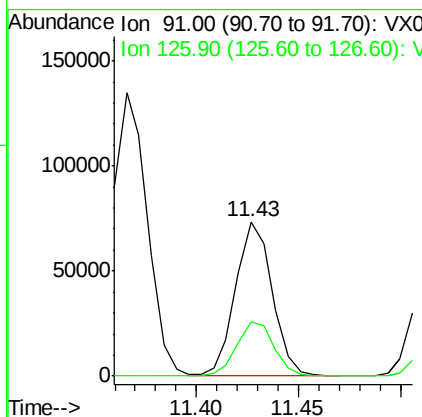
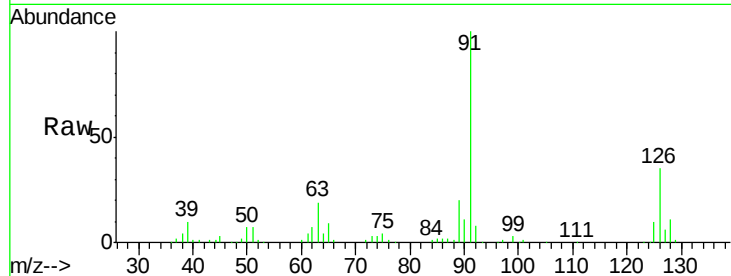
#79
 2-Chlorotoluene
 Concen: 19.43 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0320WBS01

Tot Ion: 91 Resp: 91032
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.7 53.1

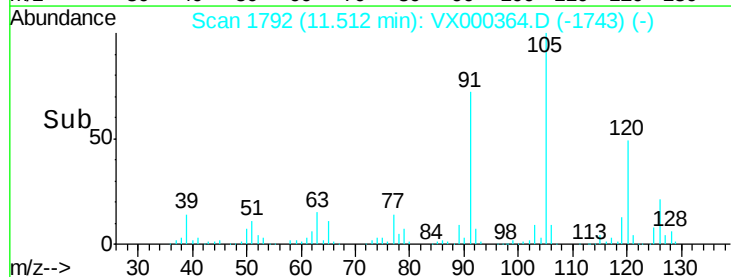
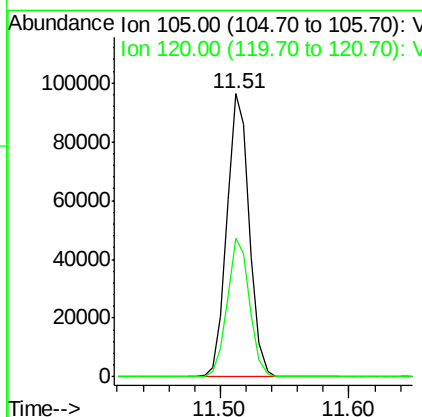
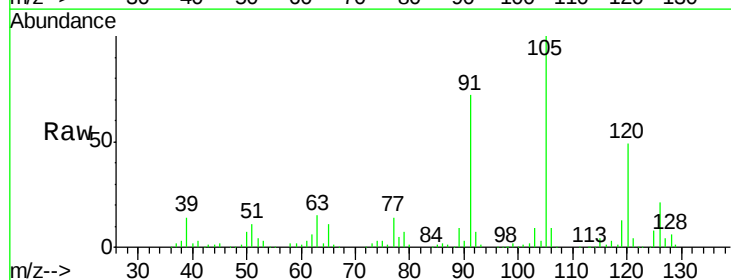
Manual Integrations
 APPROVED

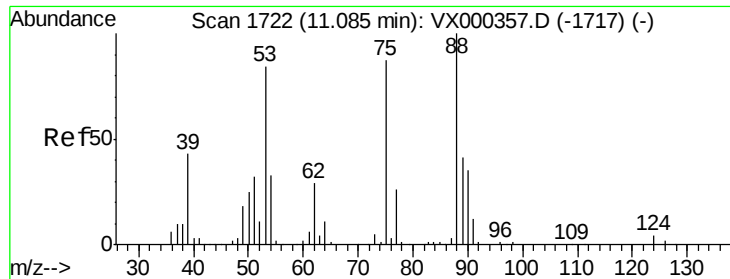
sam
 3/21/2018 11:44:22 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.65 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Tgt Ion: 105 Resp: 118084
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.4





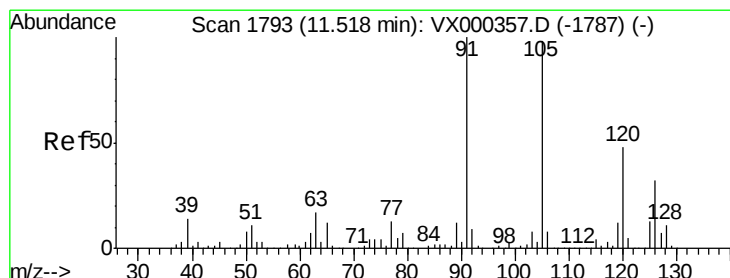
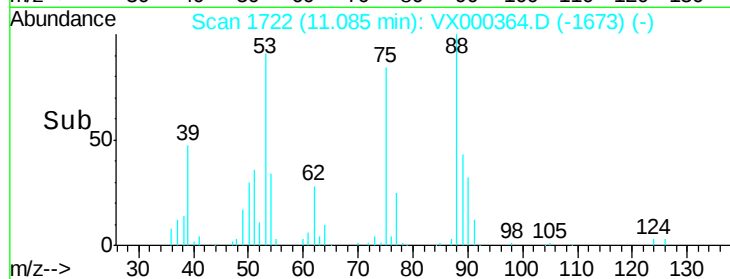
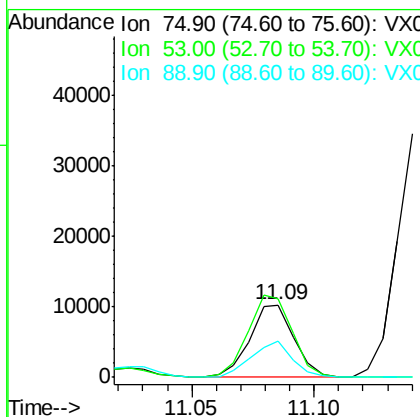
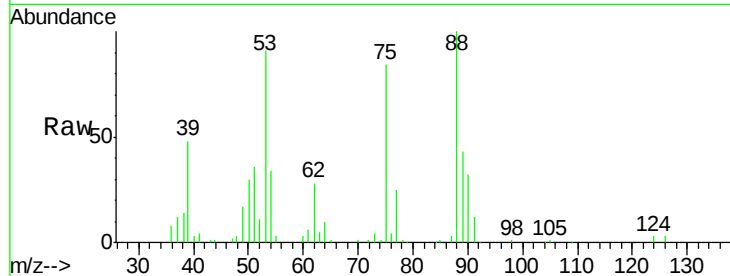
#81
trans-1,4-Dichloro-2-butene
Concen: 19.13 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.3	80.7	121.1
89	47.2	39.4	59.0

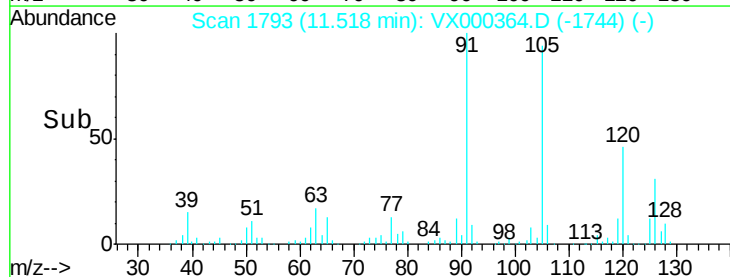
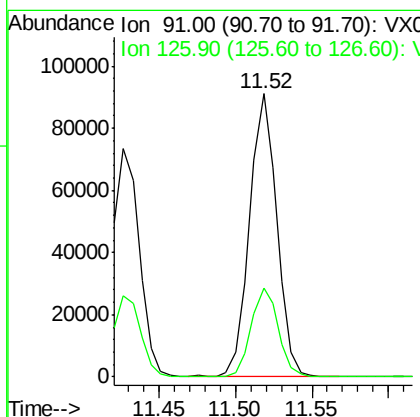
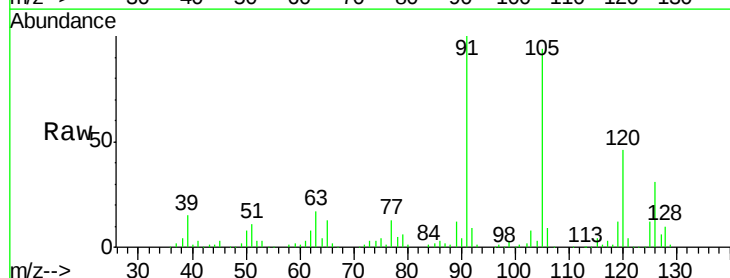
Manual Integrations
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sam
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#82
4-Chlorotoluene
Concen: 20.12 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.4	46.1





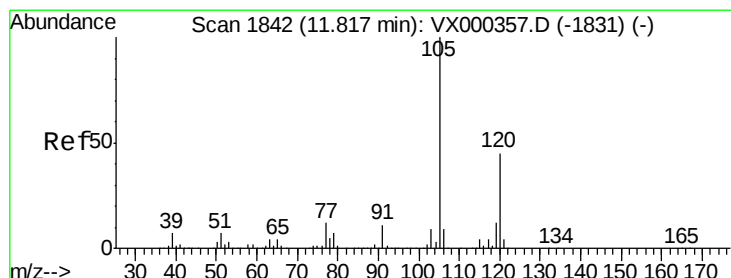
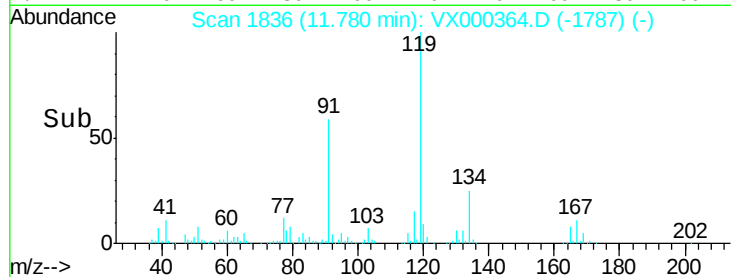
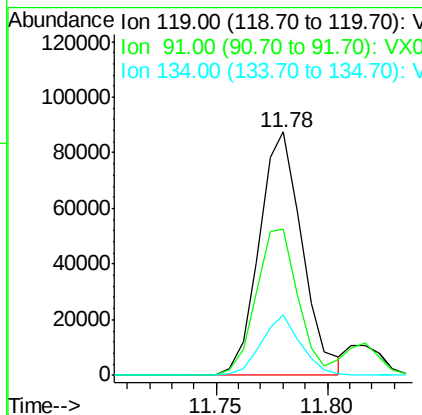
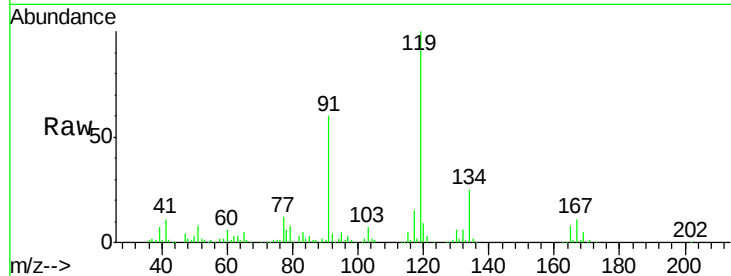
#83
tert-Butylbenzene
Concen: 20.34 ug/l
RT: 11.78 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampled :
VX0320WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	117282		
91	58.3	28.8	86.4	
134	22.6	11.4	34.1	

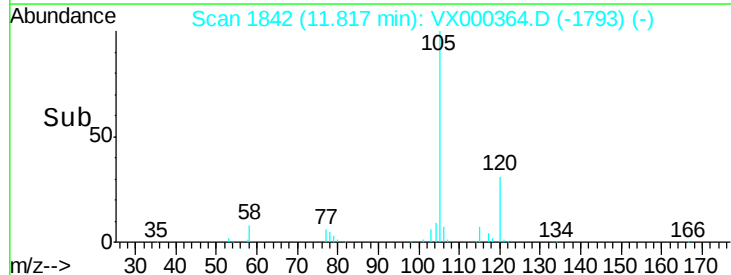
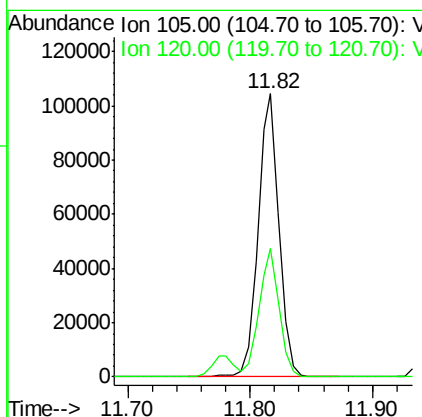
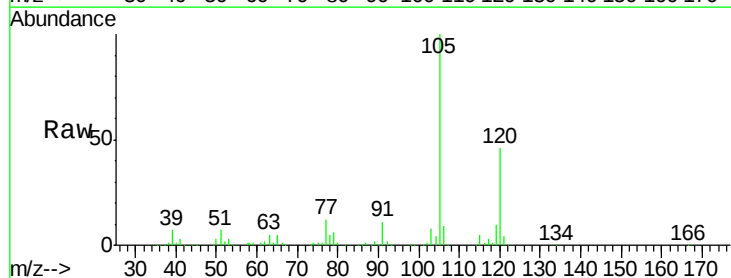
Manual Integrations
APPROVED

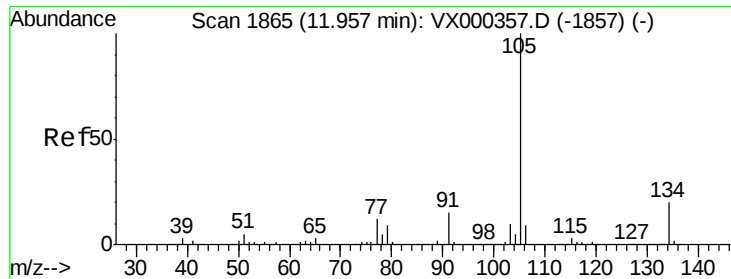
sam
3/21/2018 11:44:22 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.75 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	124373		
120	44.0	22.4	67.3	





#85

sec-Butylbenzene

Concen: 20.52 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS01

Tot Ion:105 Resp: 146438

Ion Ratio Lower Upper

105 100

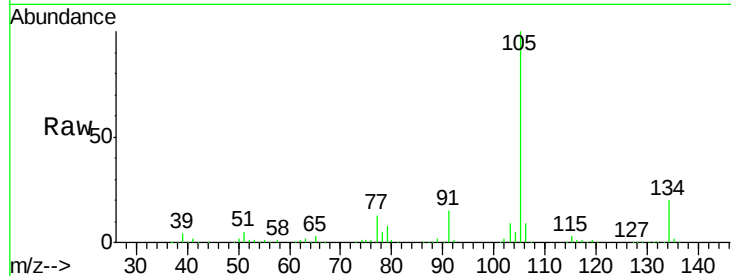
134 19.9 10.3 30.8

Manual Integrations

APPROVED

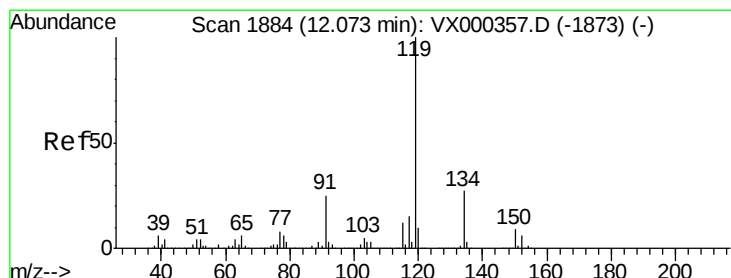
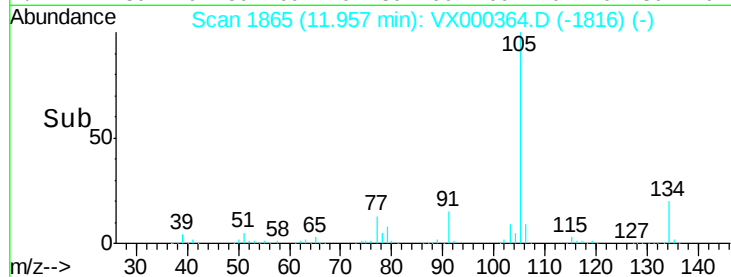
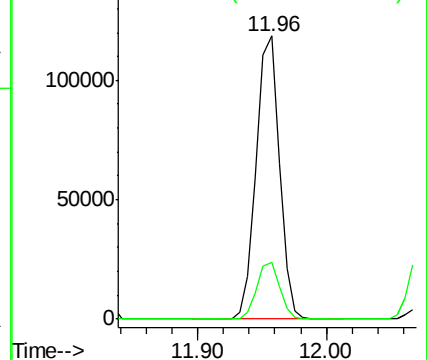
sam

3/21/2018 11:44:22 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.50 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000364.D

Acq: 20 Mar 2018 17:12

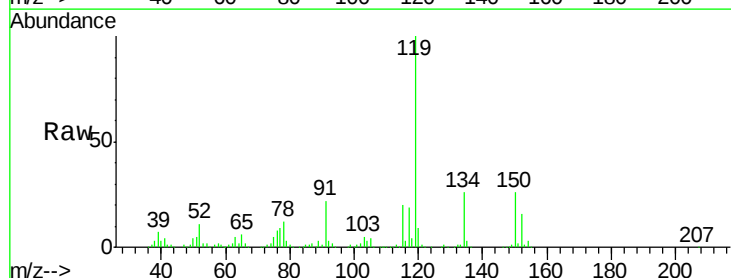
Tgt Ion:119 Resp: 129945

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

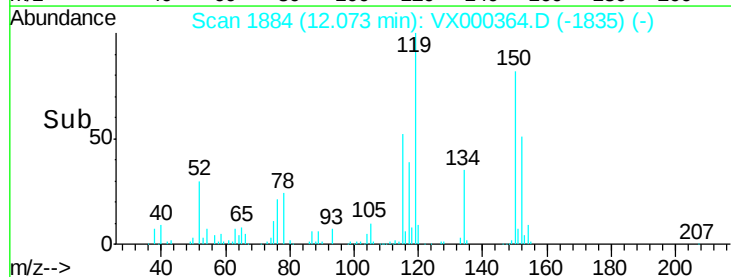
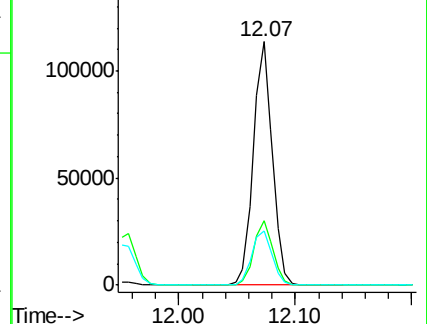
91 24.0 12.0 36.1

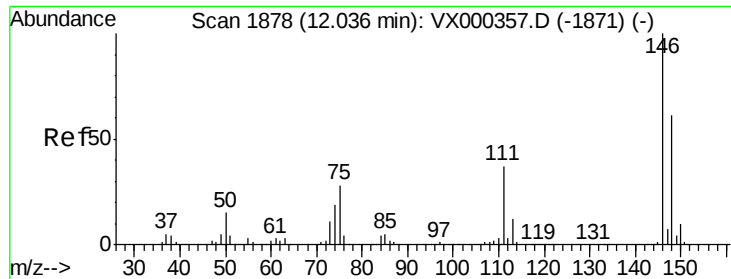


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





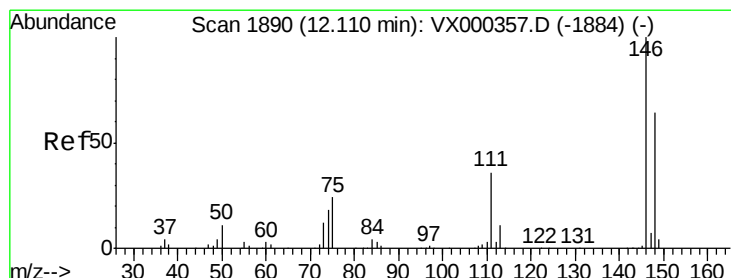
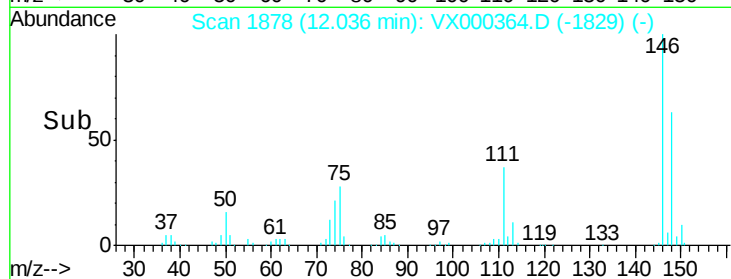
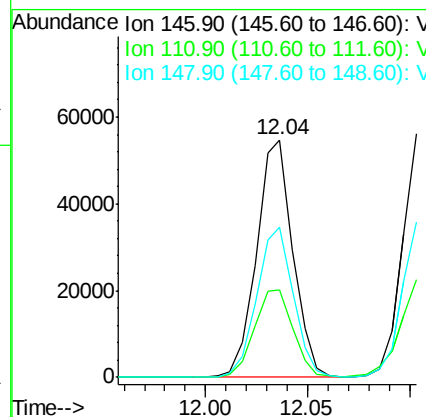
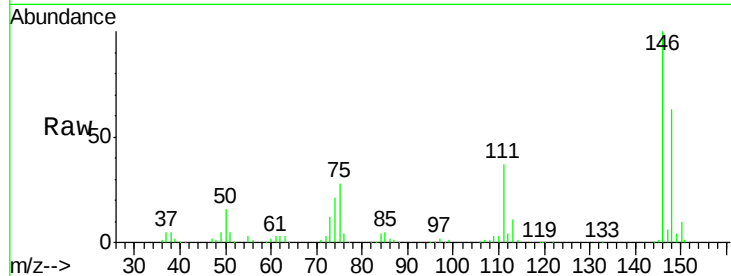
#87
 1,3-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	63.5	32.4	97.0

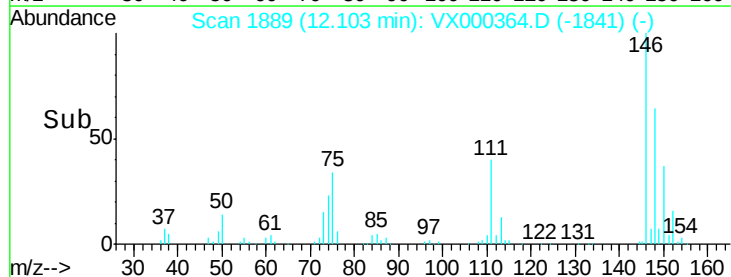
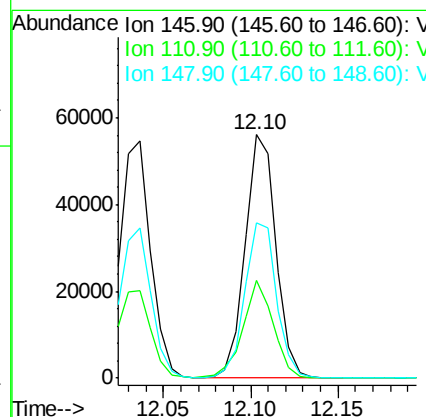
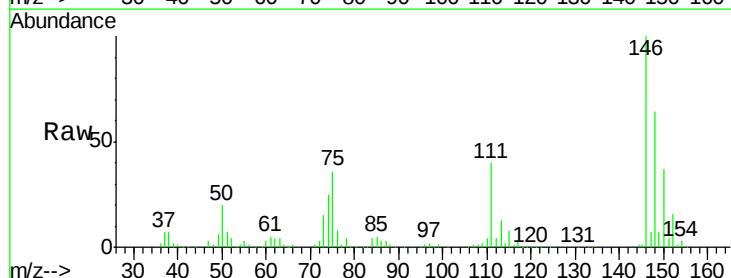
Manual Integrations
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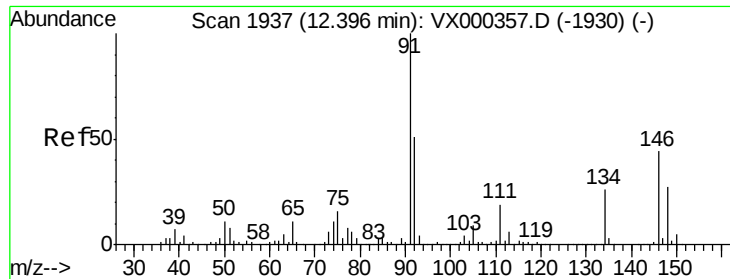
sam
 3/21/2018 11:44:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.01 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.9	56.9
148	66.3	31.0	93.0





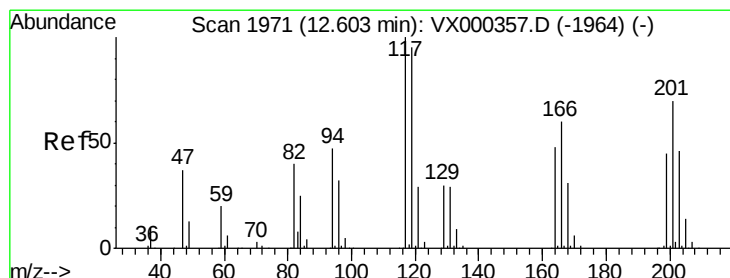
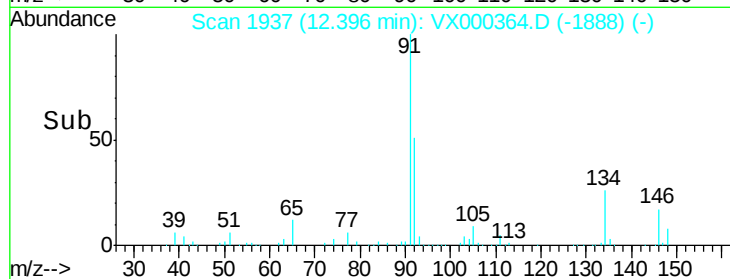
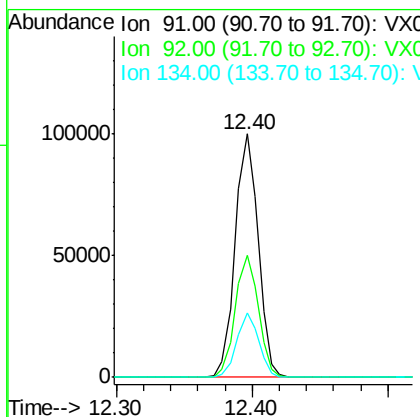
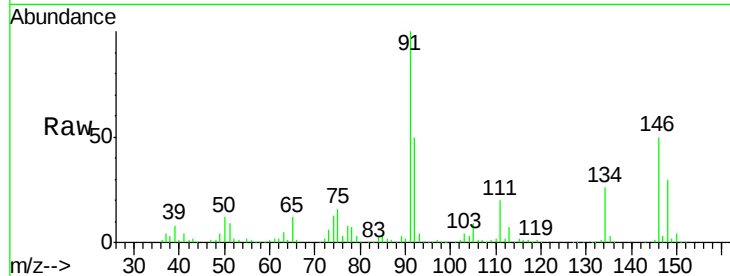
#89
n-Butylbenzene
Concen: 19.91 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampled :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.9	77.8
134	25.6	13.1	39.3

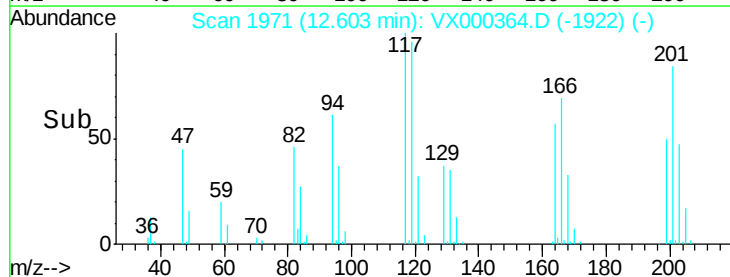
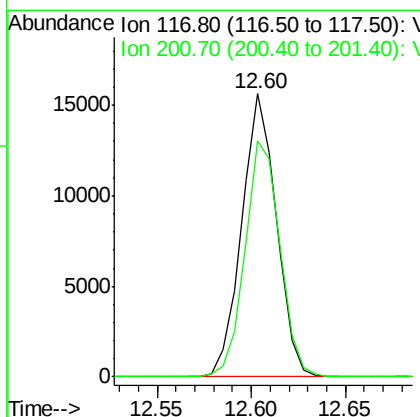
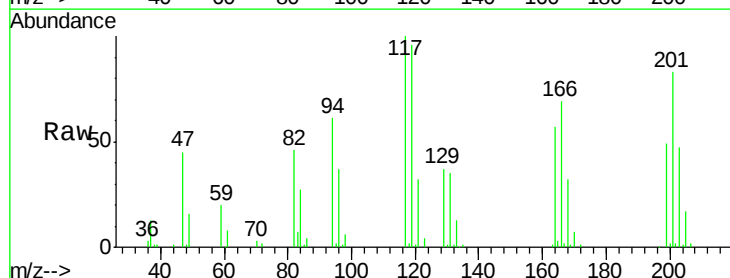
Manual Integrations
APPROVED

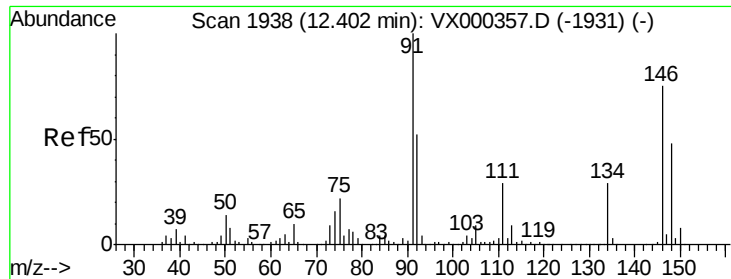
sam
3/21/2018 11:44:22 AM



#90
Hexachloroethane
Concen: 19.97 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	37.9	113.6





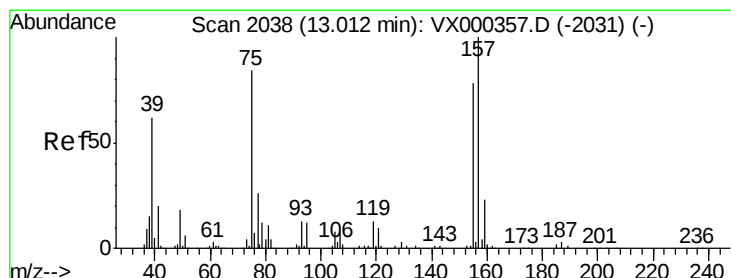
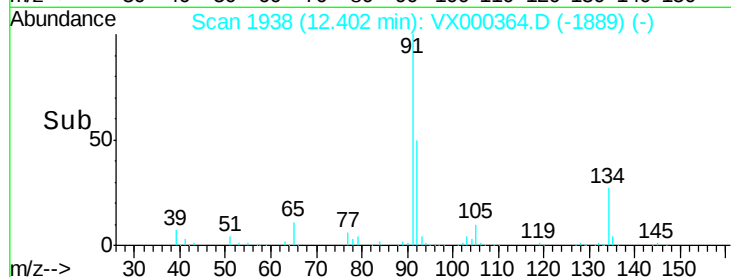
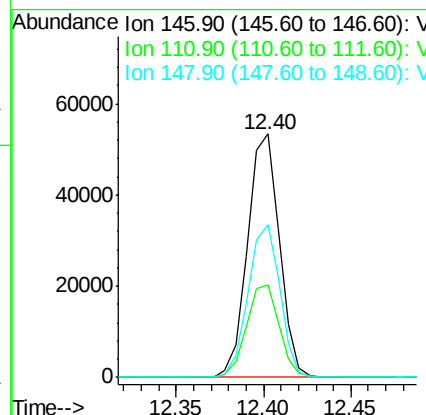
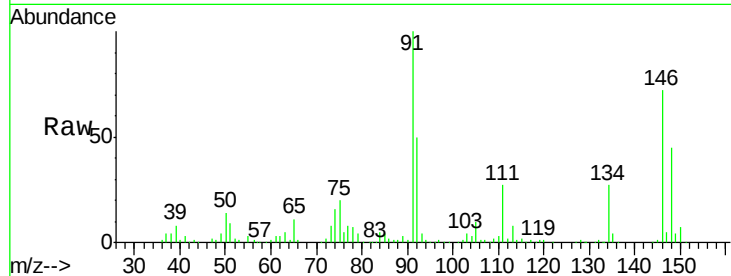
#91
 1,2-Dichlorobenzene
 Concen: 20.19 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0320WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.1	60.2
148	62.9	31.2	93.6

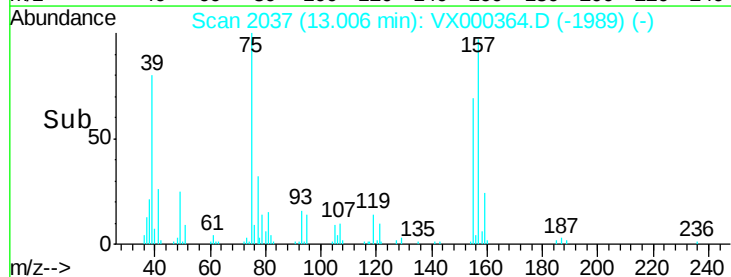
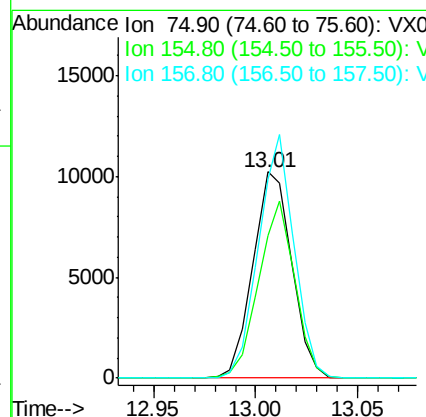
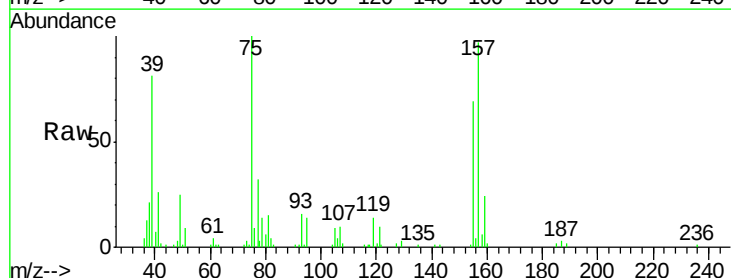
Manual Integrations
 APPROVED

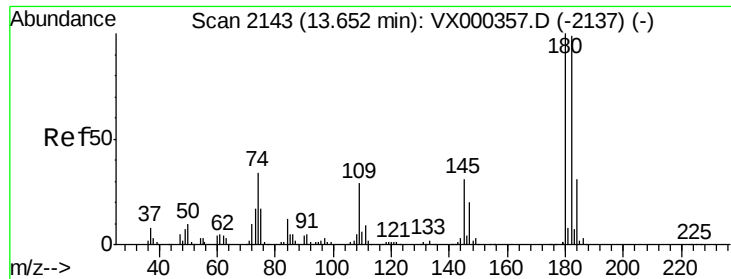
sam
 3/21/2018 11:44:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.25 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	45.0	134.8
157	107.1	58.1	174.2





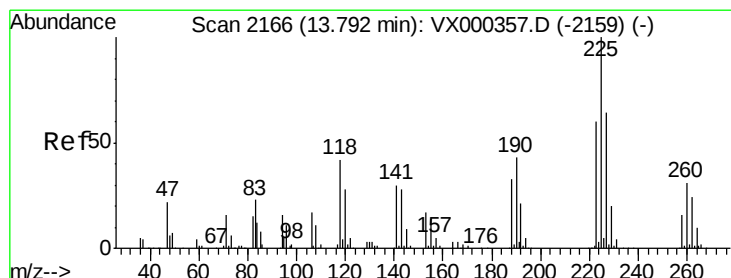
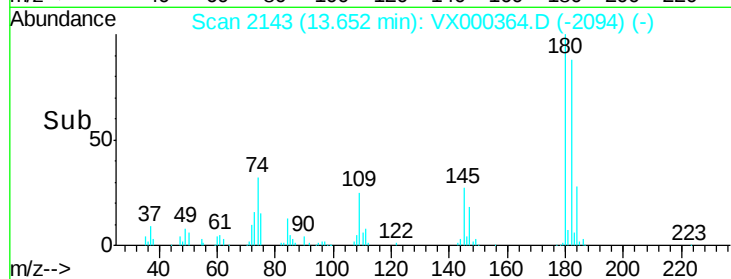
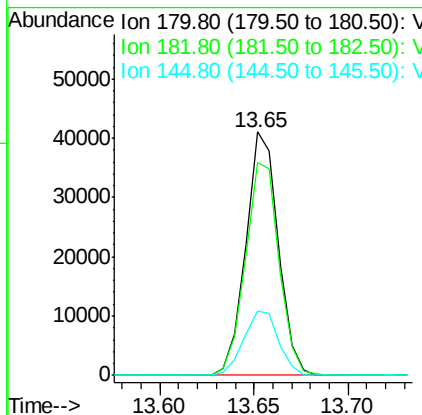
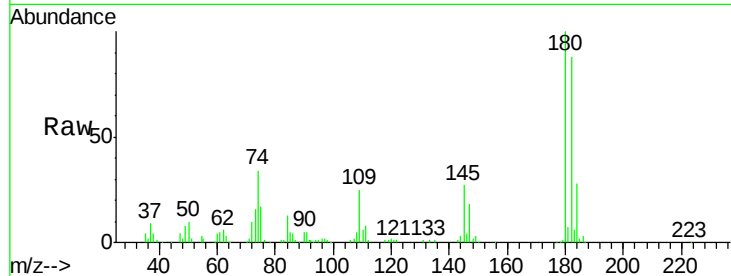
#93
 1,2,4-Trichlorobenzene
 Concen: 20.34 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX0320WBS01

Tot Ion:	180	Resp:	48967
Ion Ratio	Lower	Upper	
180	100		
182	90.9	47.6	142.9
145	28.5	15.1	45.3

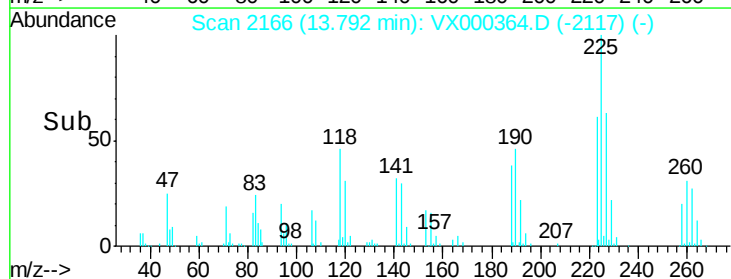
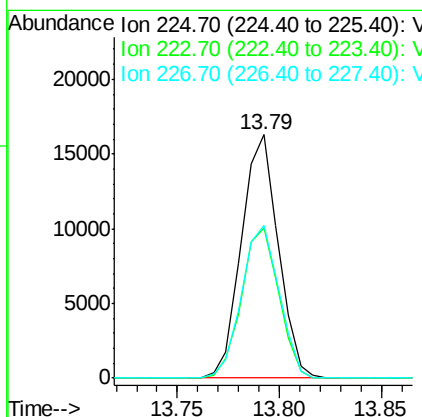
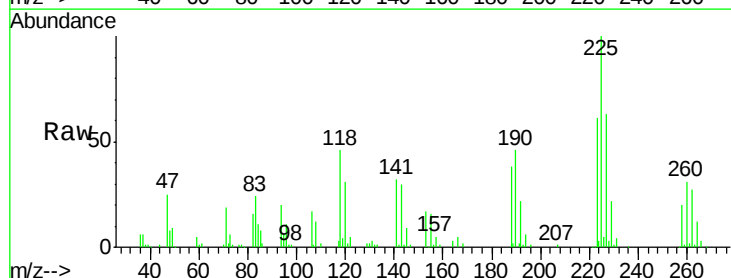
Manual Integrations
 APPROVED

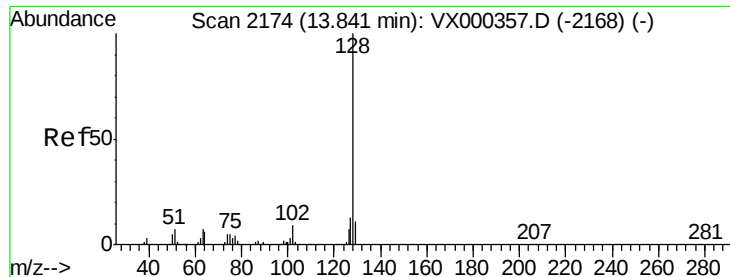
sam
 3/21/2018 11:44:22 AM



#94
 Hexachlorobutadiene
 Concen: 20.42 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000364.D
 Acq: 20 Mar 2018 17:12

Tgt Ion:	225	Resp:	20361
Ion Ratio	Lower	Upper	
225	100		
223	62.5	32.0	96.0
227	64.1	32.6	98.0





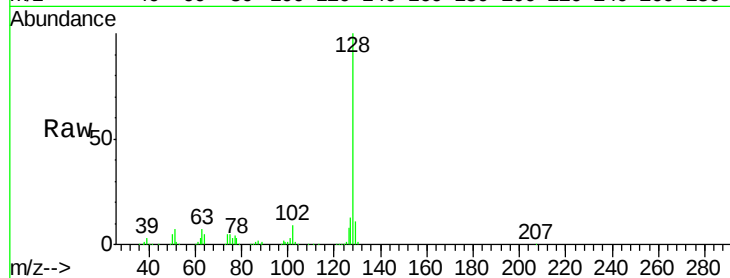
#95
Naphthalene
Concen: 20.35 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

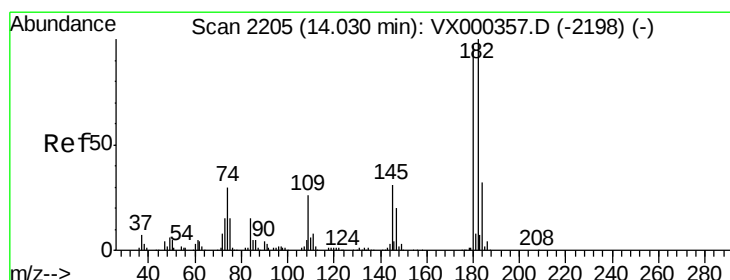
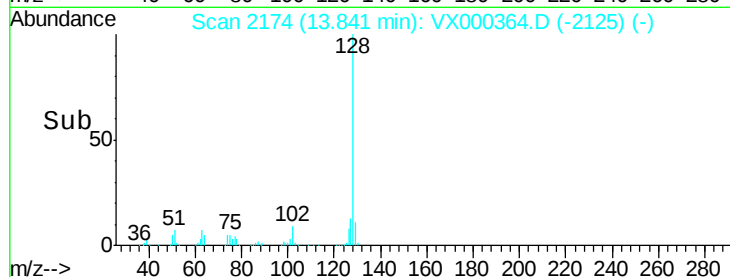
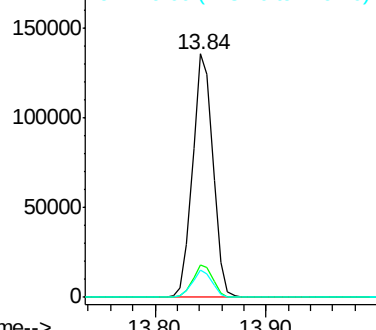
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

sam
3/21/2018 11:44:22 AM

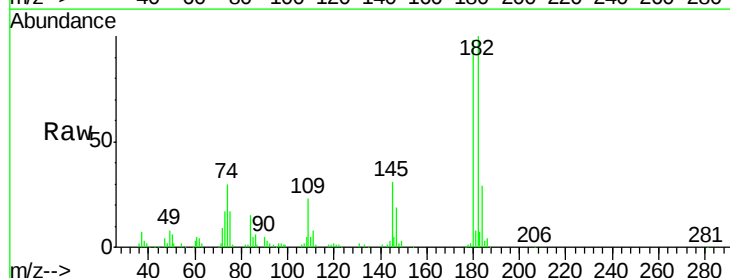


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.03 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX000364.D
Acq: 20 Mar 2018 17:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.3
145	31.4	15.8	47.3



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

