

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032318\
 Data File : VX000430.D
 Acq On : 23 Mar 2018 15:57
 Operator : JC/MD
 Sample : VX0323WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBSD01

Manual Integrations
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 3/26/2018 2:36:28 PM

Quant Time: Mar 24 06:40:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	131146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	201538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	206268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	87469	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
35) Dibromofluoromethane	5.51	113	68005	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
50) Toluene-d8	8.73	98	266959	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.15	95	97699	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	27096	18.75	ug/l	97
3) Chloromethane	1.32	50	28597	18.78	ug/l	97
4) Vinyl Chloride	1.40	62	34851	21.66	ug/l	99
5) Bromomethane	1.64	94	23885	12.43	ug/l	98
6) Chloroethane	1.73	64	22140	24.26	ug/l	99
7) Trichlorofluoromethane	1.93	101	61427	21.15	ug/l	99
8) Diethyl Ether	2.19	74	21820	21.03	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	35403	21.86	ug/l	96
10) Methyl Iodide	2.51	142	14983	12.82	ug/l	97
11) Tert butyl alcohol	3.07	59	63410	107.68	ug/l	99
12) 1,1-Dichloroethene	2.38	96	29654	20.86	ug/l	98
13) Acrolein	2.29	56	15685	93.14	ug/l	98
14) Allyl chloride	2.73	41	54746	21.75	ug/l	98
15) Acrylonitrile	3.15	53	123977	103.95	ug/l	99
16) Acetone	2.45	43	155641	109.29	ug/l	99
17) Carbon Disulfide	2.57	76	74878	19.81	ug/l	98
18) Methyl Acetate	2.78	43	66784	22.37	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	108553	20.65	ug/l	100
20) Methylene Chloride	2.86	84	36874	22.42	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	32310	20.38	ug/l	93
22) Diisopropyl ether	3.88	45	106017	23.86	ug/l	97
23) Vinyl Acetate	3.83	43	502044	119.18	ug/l	98
24) 1,1-Dichloroethane	3.70	63	62512	22.37	ug/l	98
25) 2-Butanone	4.71	43	163994	102.45	ug/l	97
26) 2,2-Dichloropropane	4.59	77	40227	20.54	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	31276	21.10	ug/l	96
28) Bromochloromethane	5.03	49	22093	19.18	ug/l	98
29) Tetrahydrofuran	5.18	42	97543	99.04	ug/l	99
30) Chloroform	5.22	83	54576	20.84	ug/l	95
31) Cyclohexane	5.58	56	42747	19.79	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	47885	20.27	ug/l	99
36) 1,1-Dichloropropene	5.81	75	39814	21.09	ug/l	99
37) Ethyl Acetate	4.87	43	52386	20.31	ug/l	99
38) Carbon Tetrachloride	5.79	117	41103	20.75	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	47789	20.81	ug/l	98
40) Benzene	6.15	78	117853	21.50	ug/l	97
41) Methacrylonitrile	5.07	41	27396	20.15	ug/l	97
42) 1,2-Dichloroethane	6.20	62	47941	22.29	ug/l	99
43) Isopropyl Acetate	6.48	43	79114	20.61	ug/l	99
44) Trichloroethene	7.22	130	33377	21.25	ug/l	98
45) 1,2-Dichloropropane	7.52	63	31040	22.12	ug/l	96
46) Dibromomethane	7.66	93	23373	21.22	ug/l	97
47) Bromodichloromethane	7.91	83	42196	21.77	ug/l	99
48) Methyl methacrylate	7.79	41	38627	20.73	ug/l	98
49) 1,4-Dioxane	7.77	88	16959	432.94	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	310967	104.66	ug/l	99
52) Toluene	8.79	92	79314	20.69	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	46248	20.59	ug/l	90
54) cis-1,3-Dichloropropene	9.05	75	45127	20.72	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	32960	20.91	ug/l	97
56) Ethyl methacrylate	9.19	69	49009	20.52	ug/l	97
57) 1,3-Dichloropropane	9.38	76	55317	21.94	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	112941	98.53	ug/l	98
59) 2-Hexanone	9.51	43	268957	106.61	ug/l	98
60) Dibromochloromethane	9.59	129	34426	21.05	ug/l	99
61) 1,2-Dibromoethane	9.68	107	34399	20.35	ug/l	100
64) Tetrachloroethene	9.34	164	32214	20.13	ug/l	99
65) Chlorobenzene	10.15	112	93779	20.43	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	32956	21.14	ug/l	97
67) Ethyl Benzene	10.26	91	161725	20.78	ug/l	98
68) m/p-Xylenes	10.37	106	124880	40.78	ug/l	99
69) o-Xylene	10.71	106	59730	20.15	ug/l	97
70) Styrene	10.72	104	100194	20.42	ug/l	99
71) Bromoform	10.87	173	26725	19.65	ug/l #	97
73) Isopropylbenzene	11.02	105	165652	21.98	ug/l	99
74) N-amyl acetate	6.48	43	79114	22.26	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	60033	22.52	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	53362m	21.83	ug/l	
77) Bromobenzene	11.26	156	42263	21.05	ug/l	97
78) n-propylbenzene	11.37	91	195652	21.78	ug/l	99
79) 2-Chlorotoluene	11.43	91	110468	21.28	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	140442	22.17	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	15665	20.75	ug/l	94
82) 4-Chlorotoluene	11.52	91	131819	21.27	ug/l	99
83) tert-Butylbenzene	11.78	119	138161	21.62	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	143897	21.66	ug/l	98
85) sec-Butylbenzene	11.96	105	175981	22.26	ug/l	100
86) p-Isopropyltoluene	12.07	119	153191	21.82	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	80402	21.18	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	80381	20.17	ug/l	97
89) n-Butylbenzene	12.40	91	142839	21.85	ug/l	98
90) Hexachloroethane	12.60	117	24607	22.26	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	79718	21.42	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16136	21.71	ug/l	96

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MSVOA_X
ClientSampleId :
VX0323WBSD01

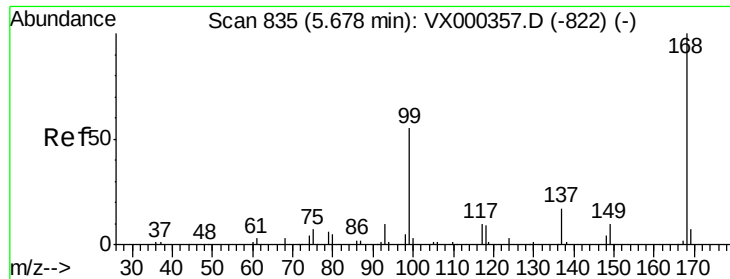
Manual Integrations
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Quant Time: Mar 24 06:40:27 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54551	20.45	ug/l	99
94) Hexachlorobutadiene	13.79	225	25655	23.23	ug/l	98
95) Naphthalene	13.84	128	200215	21.55	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	58021	22.01	ug/l	99

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



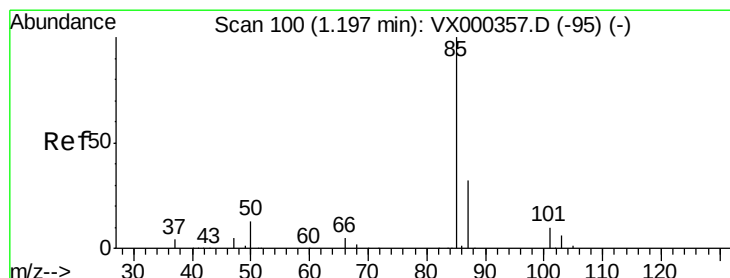
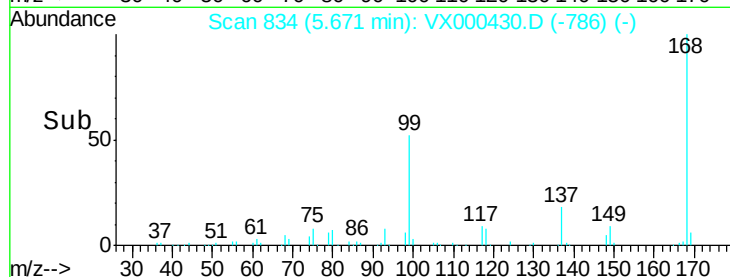
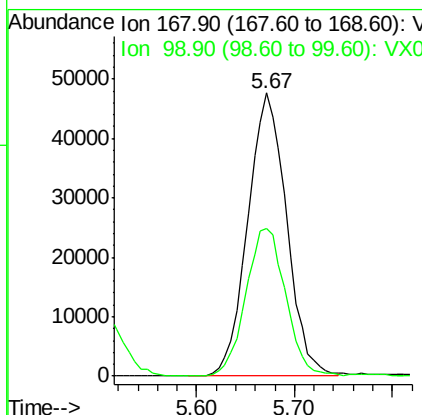
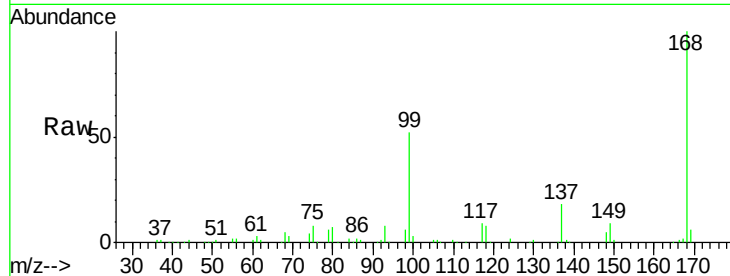
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	131146		
99	52.0	45.8	68.6	

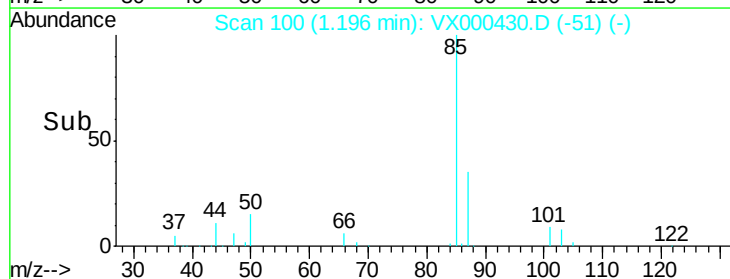
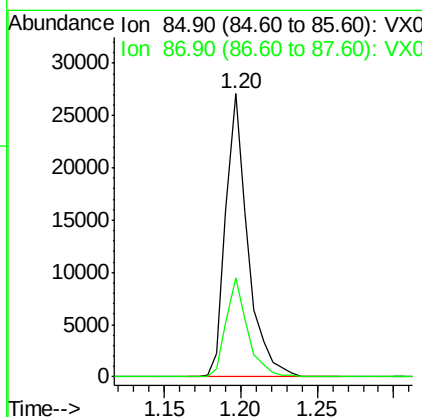
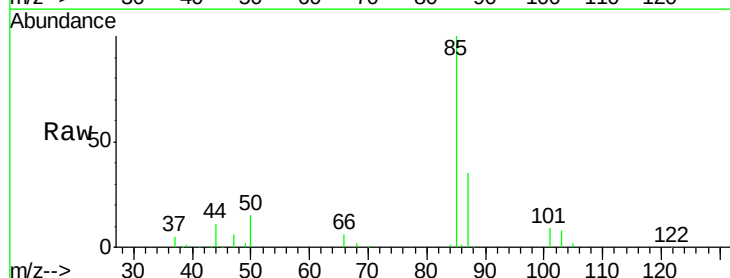
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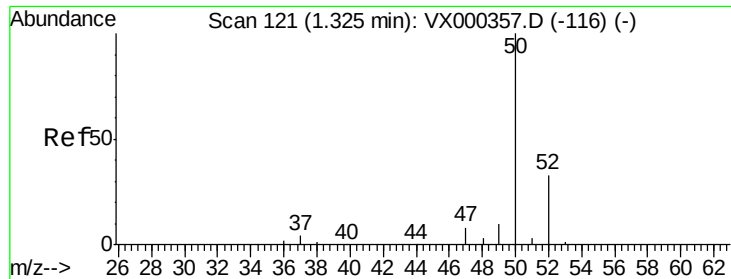
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#2
Dichlorodifluoromethane
Concen: 18.75 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	27096		
87	35.0	16.8	50.3	





#3

Chloromethane

Concen: 18.78 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 50 Resp: 28597

Ion Ratio Lower Upper

50 100

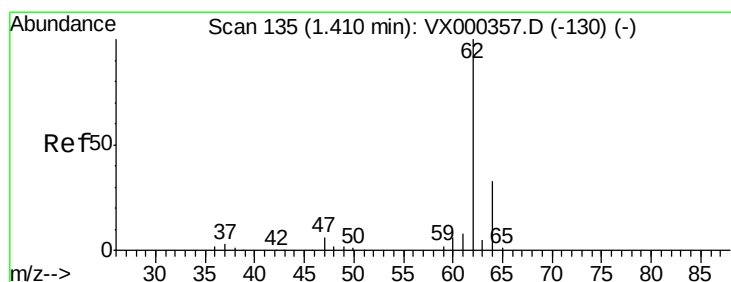
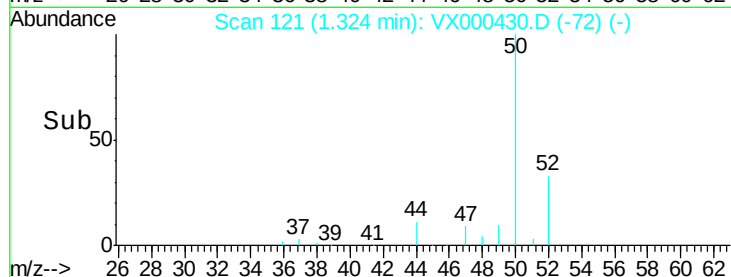
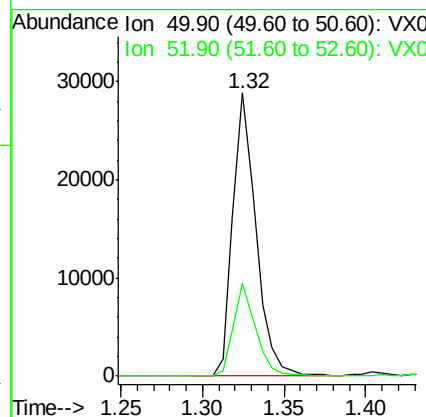
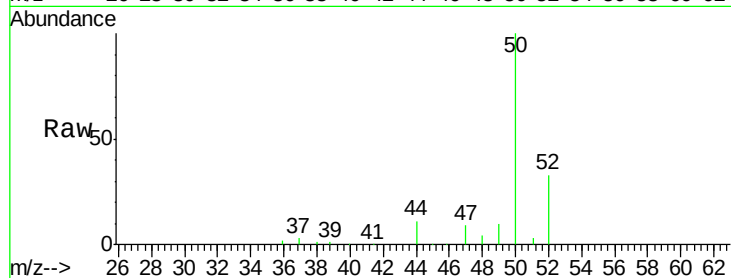
52 32.6 27.5 41.3

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#4

Vinyl Chloride

Concen: 21.66 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000430.D

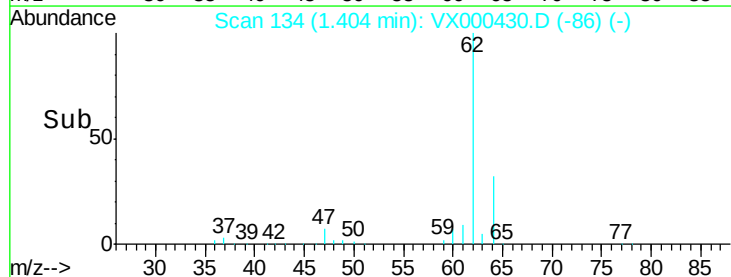
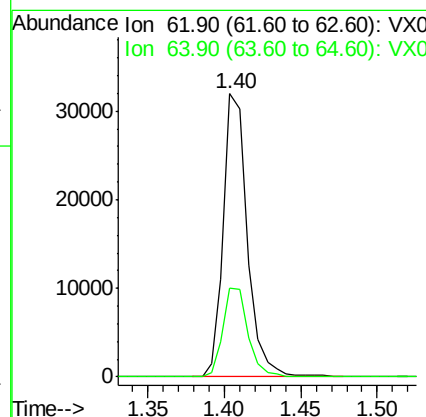
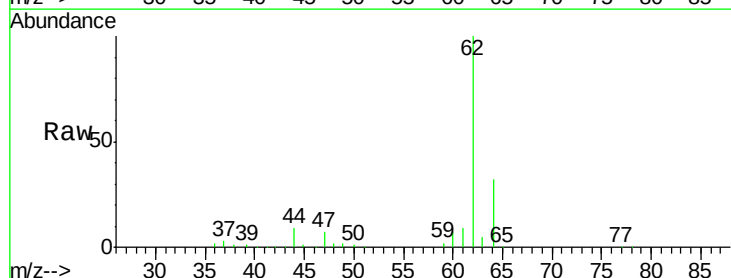
Acq: 23 Mar 2018 15:57

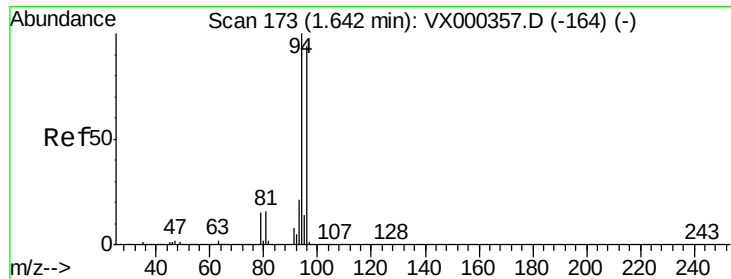
Tgt Ion: 62 Resp: 34851

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2





#5

Bromomethane

Concen: 12.43 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 94 Resp: 23885

Ion Ratio Lower Upper

94 100

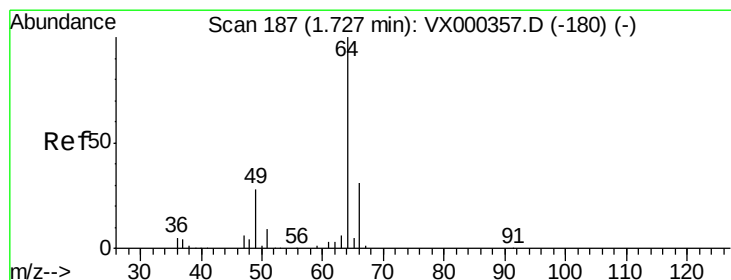
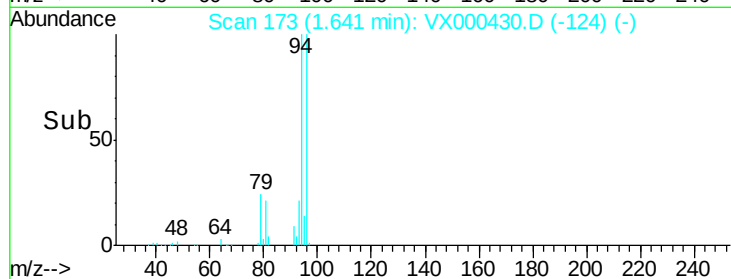
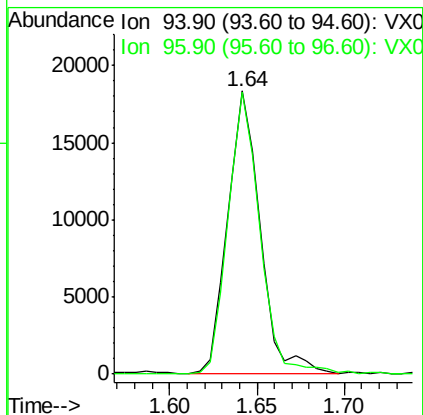
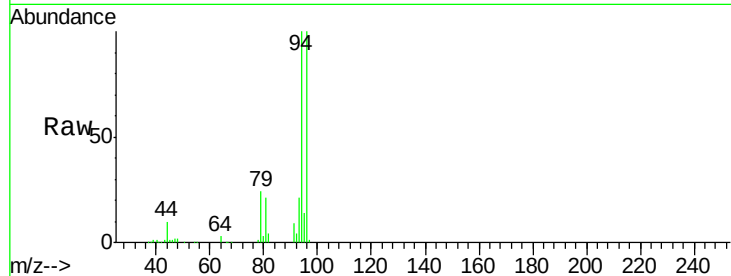
96 99.4 77.7 116.5

Manual Integrations

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#6

Chloroethane

Concen: 24.26 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000430.D

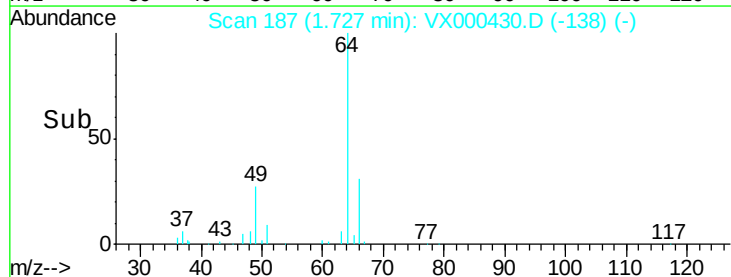
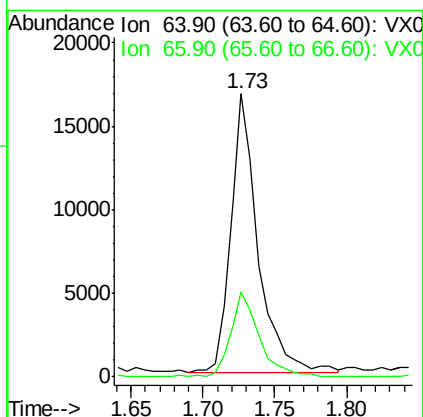
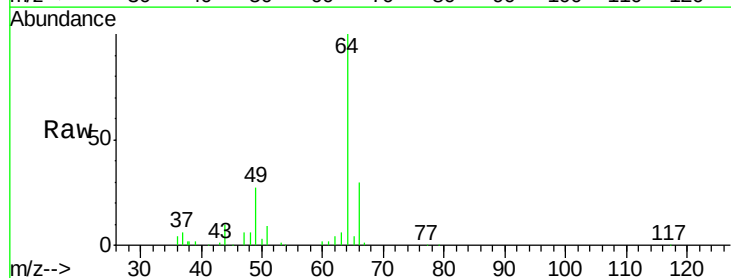
Acq: 23 Mar 2018 15:57

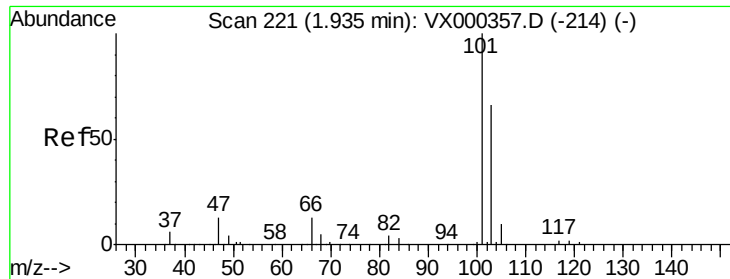
Tgt Ion: 64 Resp: 22140

Ion Ratio Lower Upper

64 100

66 30.5 24.8 37.2





#7

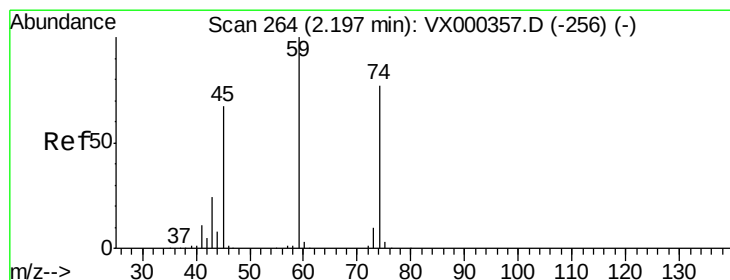
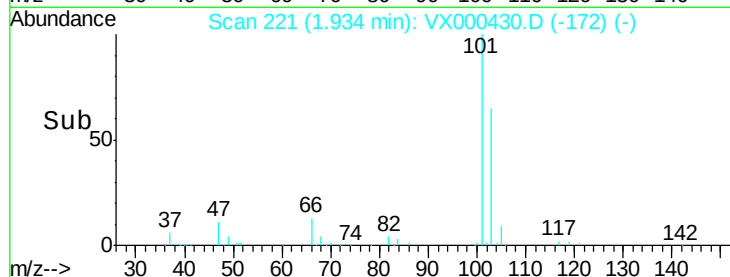
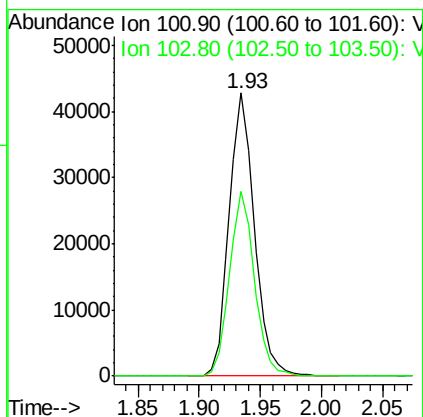
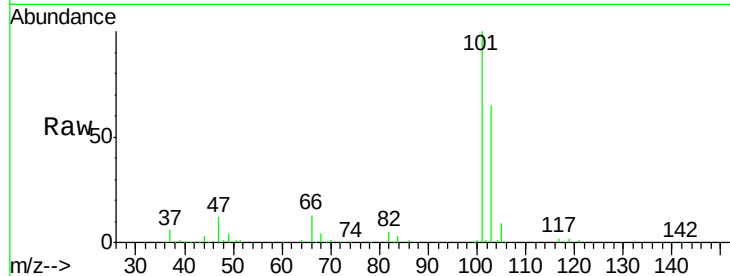
Trichlorofluoromethane
 Concen: 21.15 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
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 ClientSampleId :
 VX0323WBSD01

Tot Ion:101 Resp: 61427
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.6 77.4

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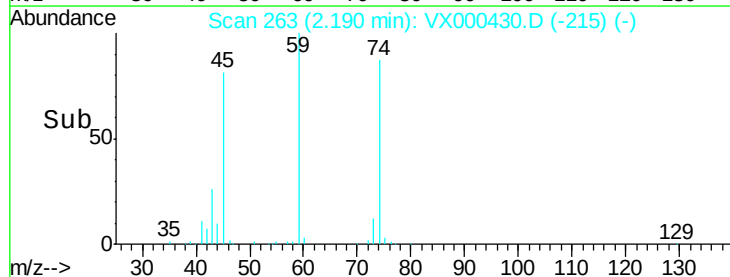
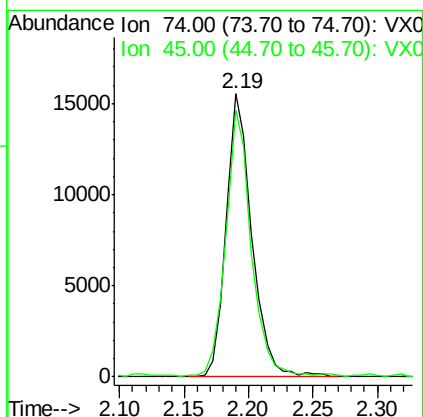
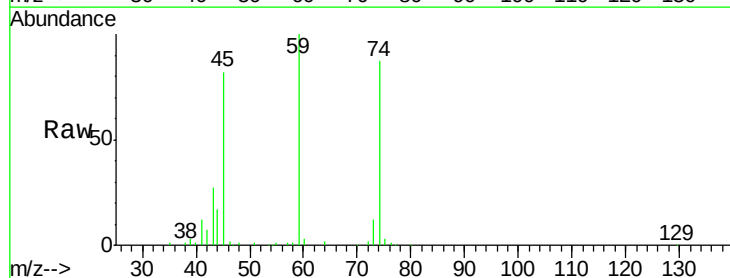
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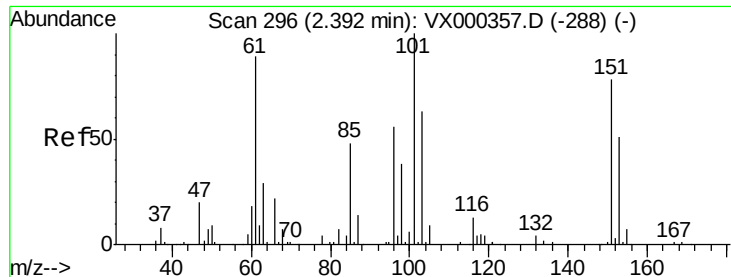


#8

Diethyl Ether
 Concen: 21.03 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion: 74 Resp: 21820
 Ion Ratio Lower Upper
 74 100
 45 92.5 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.86 ug/l

RT: 2.39 min Scan# 296

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

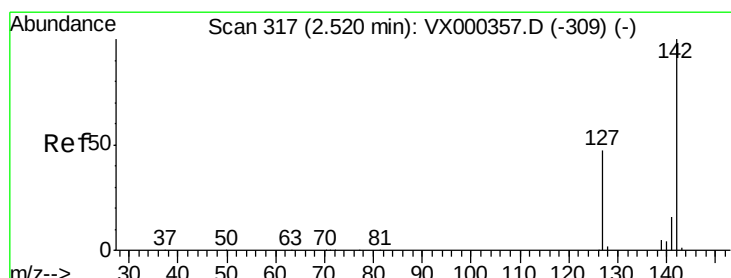
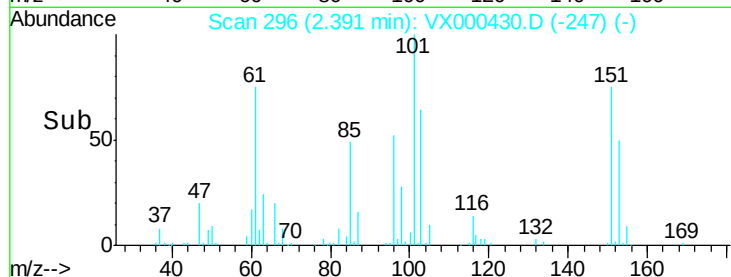
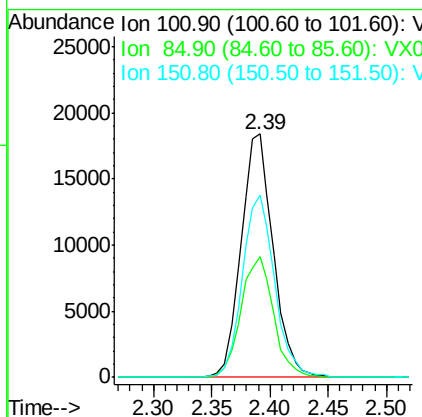
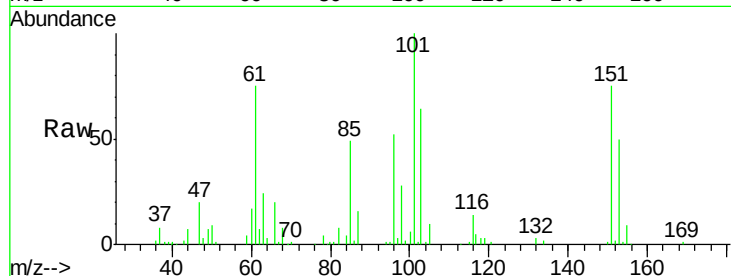
ClientSampleId :

VX0323WBSD01

Tot Ion:	101	Resp:	35403
Ion Ratio	Lower	Upper	
101	100		
85	50.1	37.6	56.4
151	74.9	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 12.82 ug/l

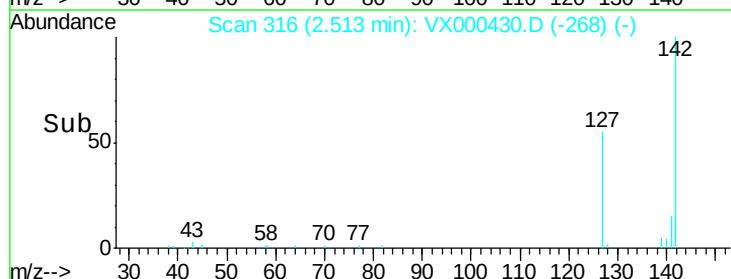
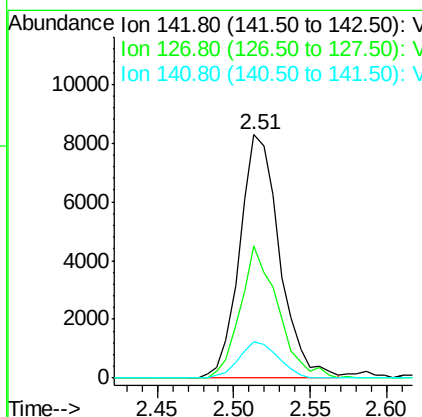
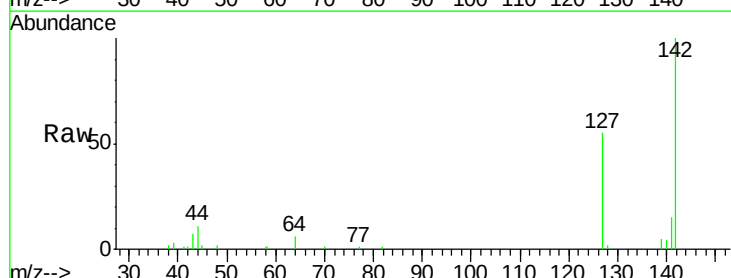
RT: 2.51 min Scan# 316

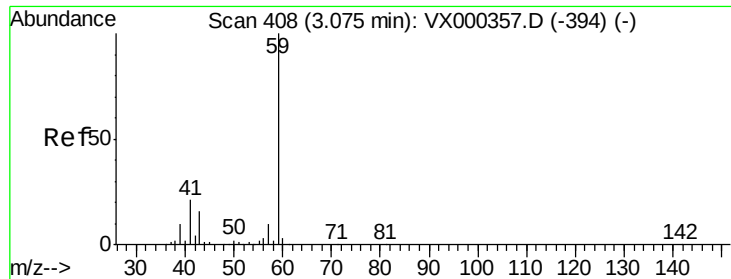
Delta R.T. -0.01 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tgt Ion:	142	Resp:	14983
Ion Ratio	Lower	Upper	
142	100		
127	51.7	39.2	58.8
141	14.9	11.7	17.5





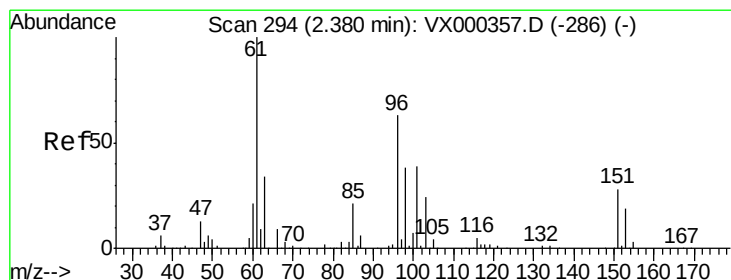
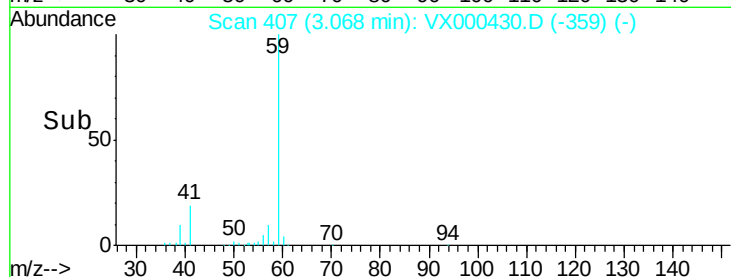
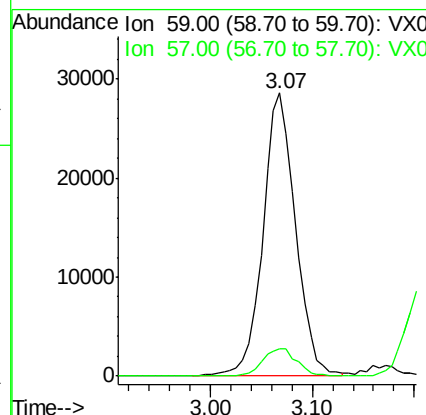
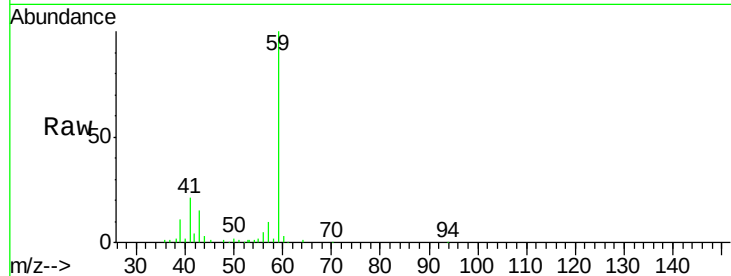
#11
Tert butyl alcohol
Concen: 107.68 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	63410		
57	57	10.3		8.4	12.6

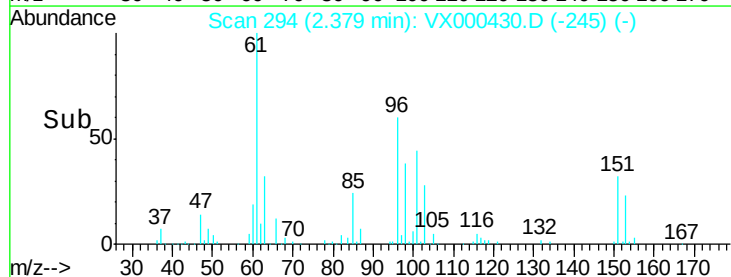
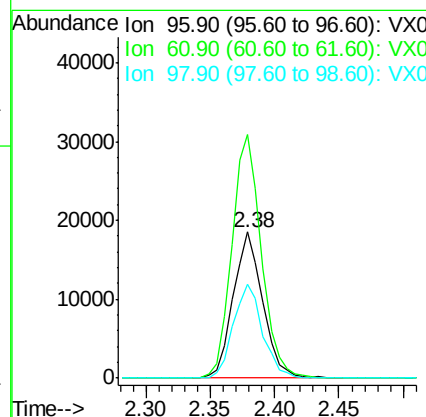
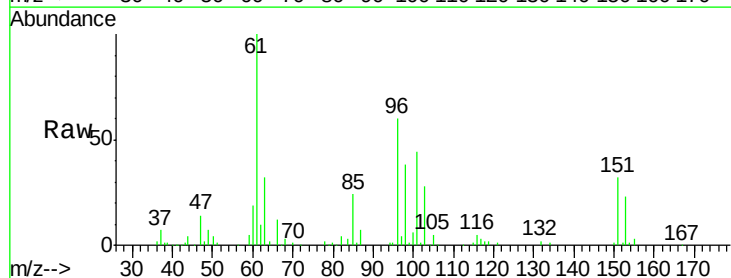
Manual Integrations
APPROVED

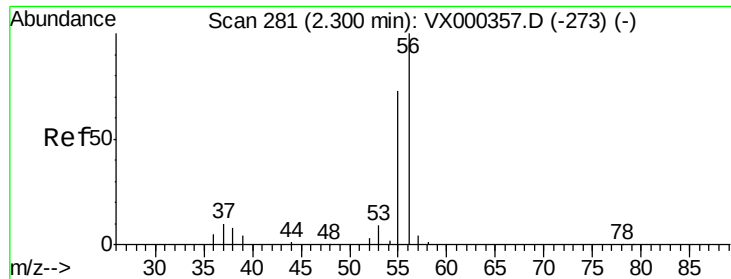
sam
3/26/2018 2:36:28 PM



#12
1,1-Dichloroethene
Concen: 20.86 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	29654		
61	61	166.8		131.2	196.8
98	98	64.1		49.8	74.8





#13

Acrolein

Concen: 93.14 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 56 Resp: 15685

Ion Ratio Lower Upper

56 100

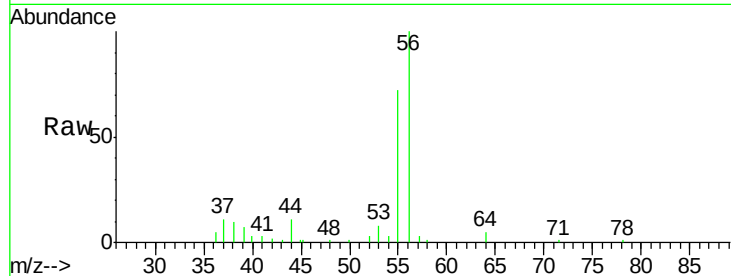
55 72.2 58.8 88.2

Manual Integrations

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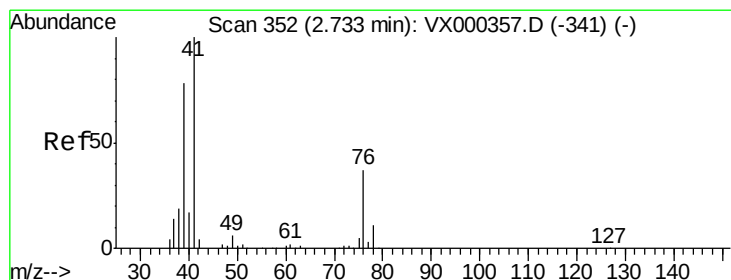
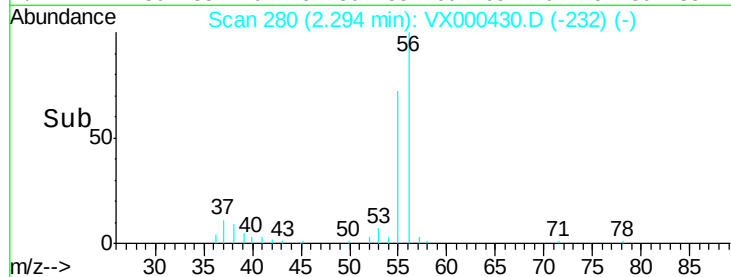
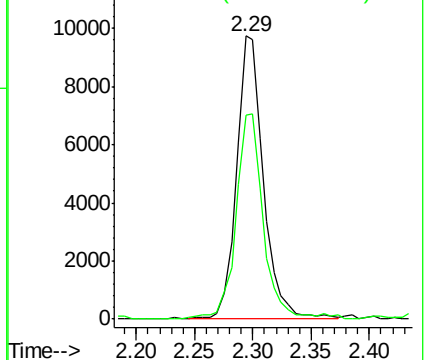
sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.75 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

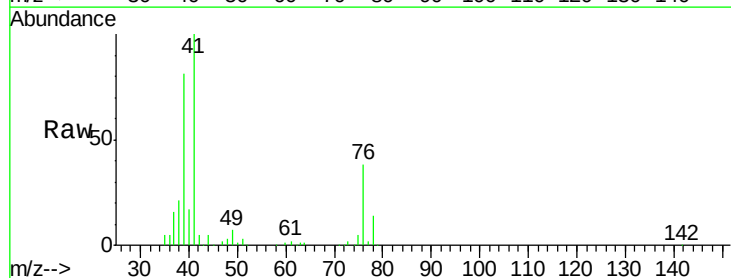
Tgt Ion: 41 Resp: 54746

Ion Ratio Lower Upper

41 100

39 70.7 57.6 86.4

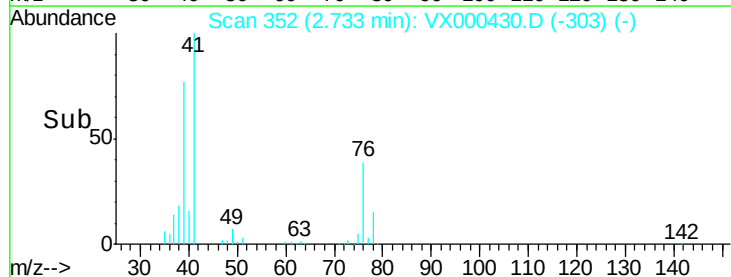
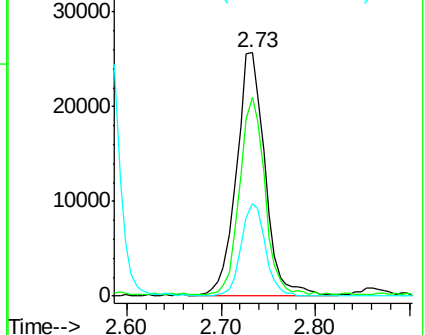
76 32.0 27.3 40.9

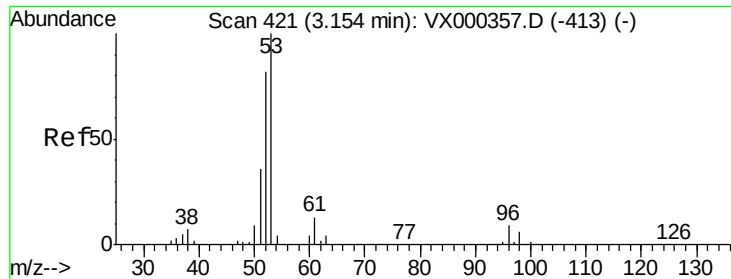


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 103.95 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

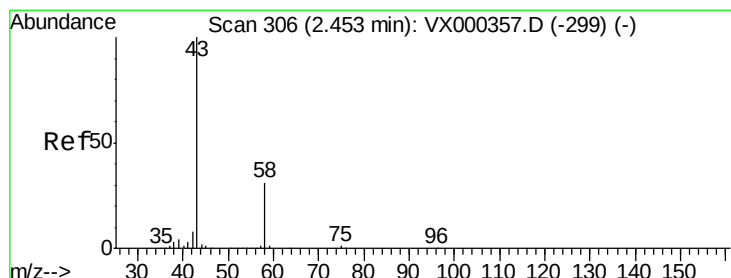
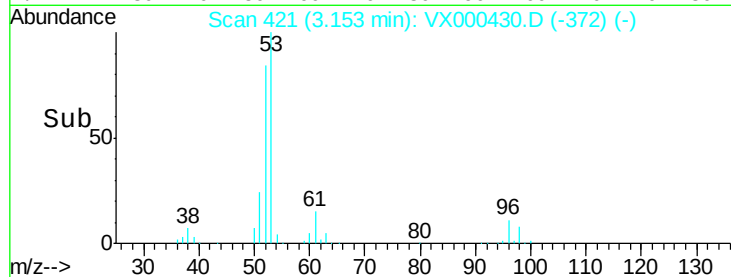
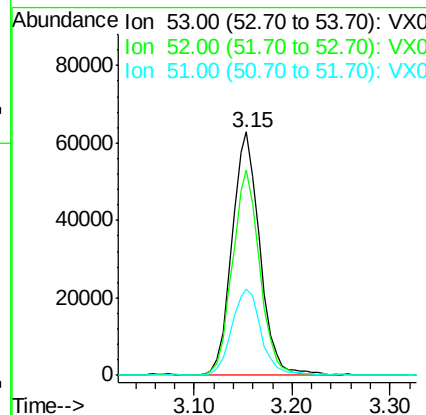
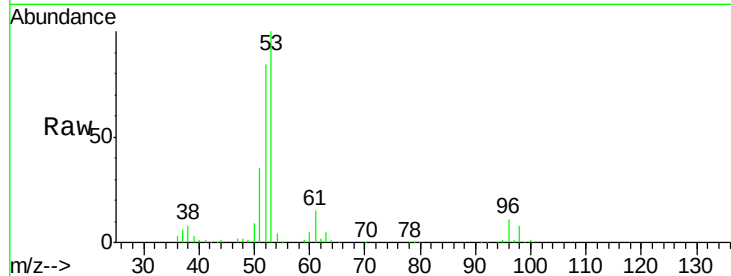
ClientSampleId :

VX0323WBSD01

Tot Ion:	53	Resp:	123977
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.6	99.8
51	37.7	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 109.29 ug/l

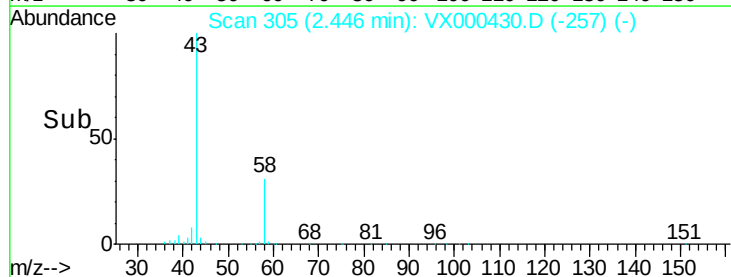
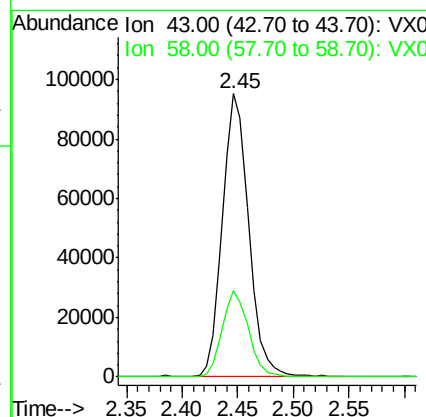
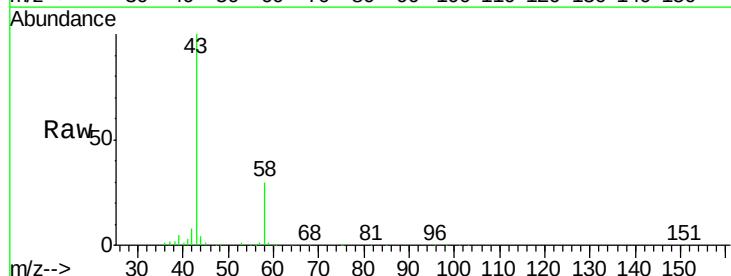
RT: 2.45 min Scan# 305

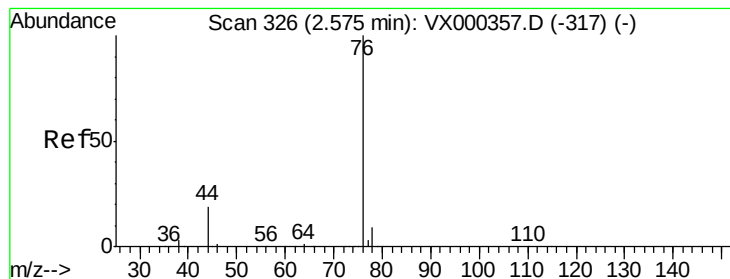
Delta R.T. -0.01 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tgt Ion:	43	Resp:	155641
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.7	37.1





#17

Carbon Disulfide

Concen: 19.81 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 76 Resp: 74878

Ion Ratio Lower Upper

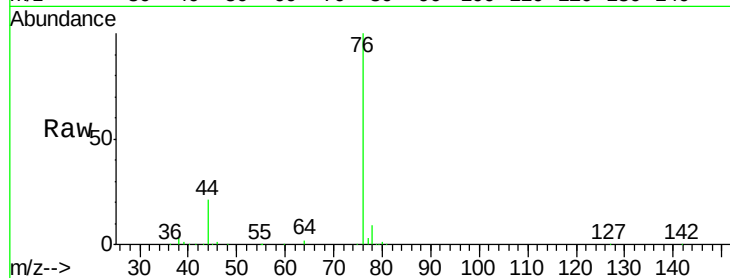
76 100

78 9.4 7.0 10.6

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

50000

40000

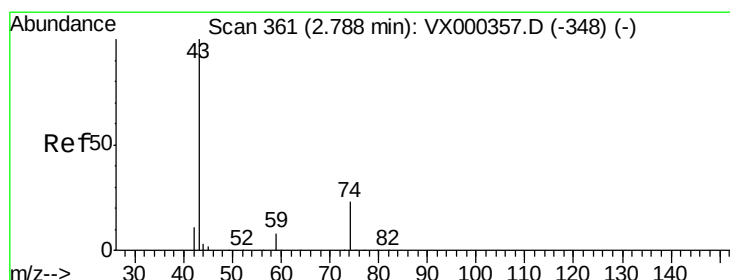
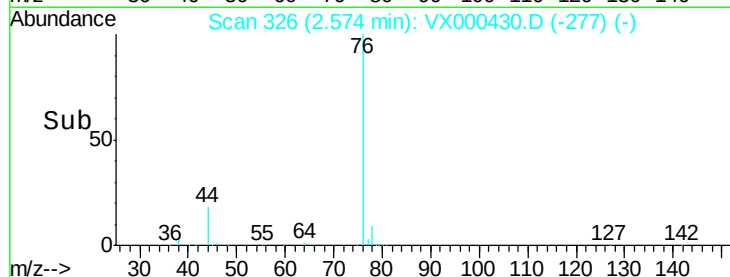
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 22.37 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000430.D

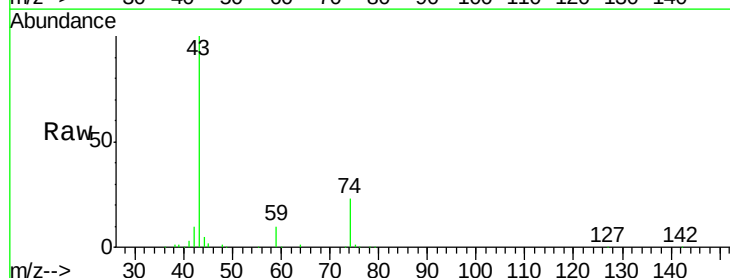
Acq: 23 Mar 2018 15:57

Tgt Ion: 43 Resp: 66784

Ion Ratio Lower Upper

43 100

74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

40000

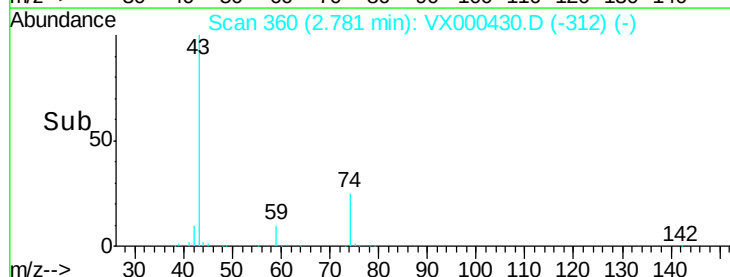
30000

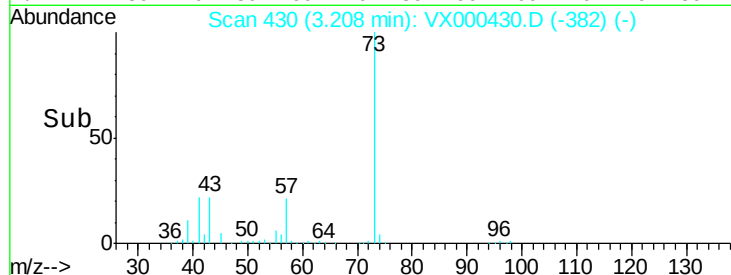
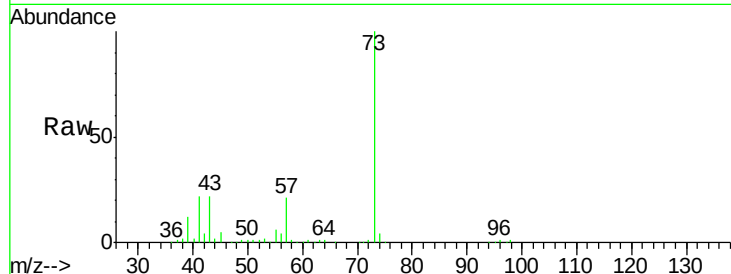
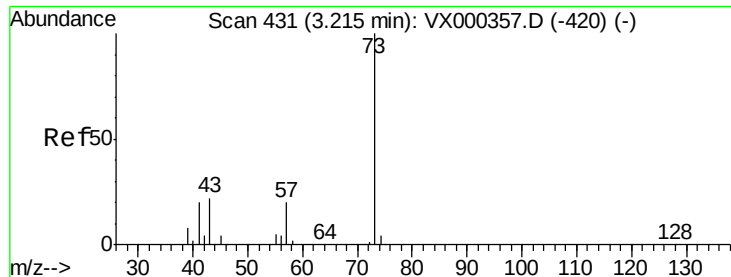
20000

10000

0

Time-->





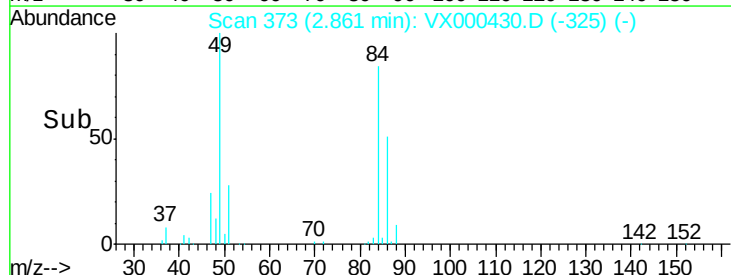
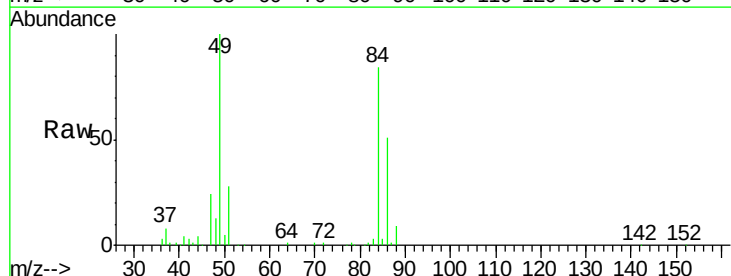
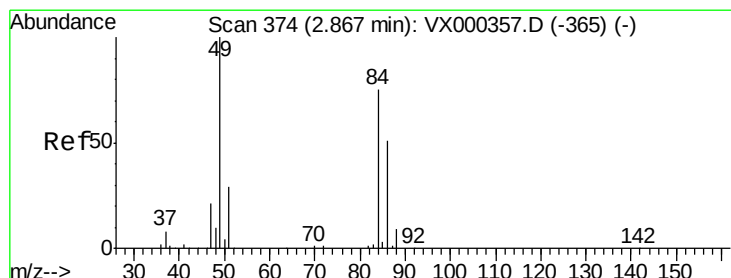
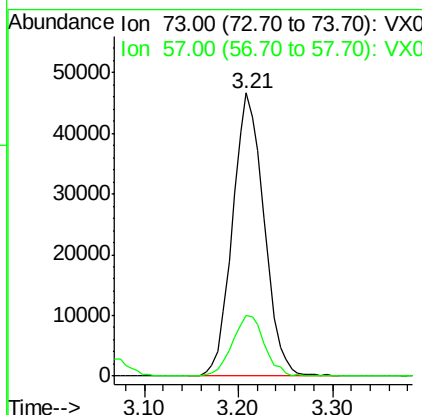
#19
Methyl tert-butyl Ether
Concen: 20.65 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tot Ion: 73 Resp: 108553
Ion Ratio Lower Upper
73 100
57 21.4 17.2 25.8

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBSD01

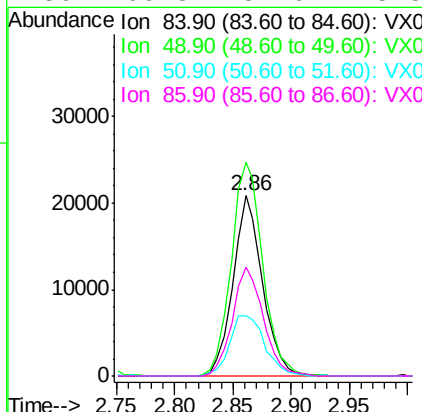
Manual Integrations
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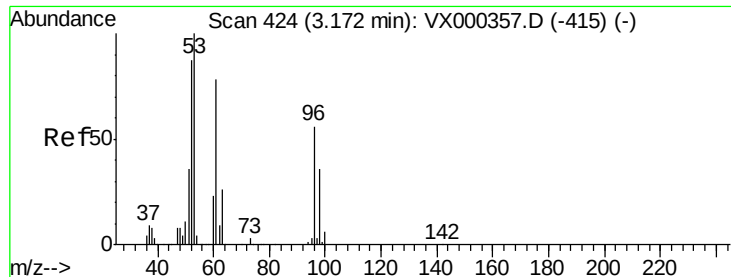
sam
3/26/2018 2:36:28 PM



#20
Methylene Chloride
Concen: 22.42 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion: 84 Resp: 36874
Ion Ratio Lower Upper
84 100
49 118.4 100.6 151.0
51 33.3 31.6 47.4
86 60.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 20.38 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

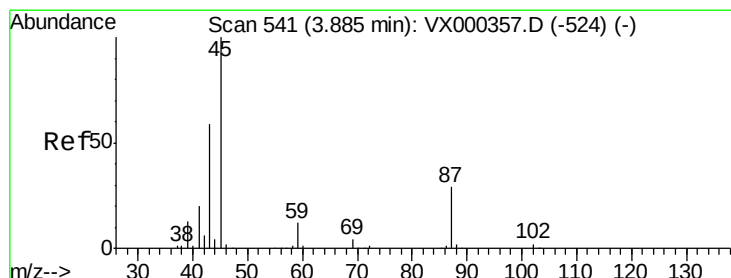
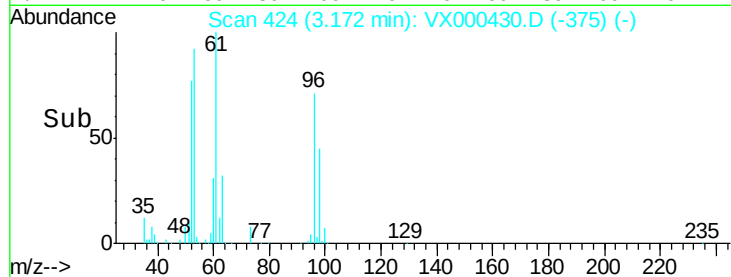
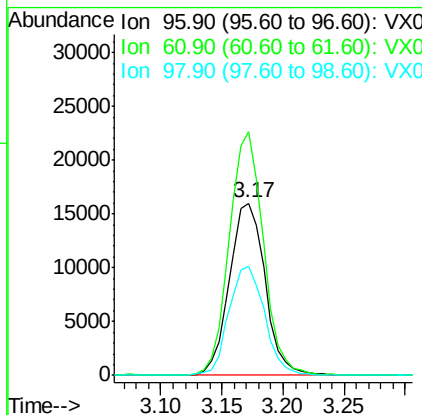
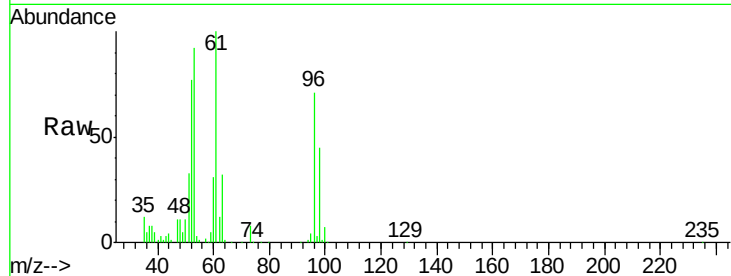
ClientSampleId :

VX0323WBSD01

Tot Ion:	96	Resp:	32310
Ion	Ratio	Lower	Upper
96	100		
61	141.3	104.0	156.0
98	63.6	52.1	78.1

Manual Integrations
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3/26/2018 2:36:28 PM



#22

Diisopropyl ether

Concen: 23.86 ug/l

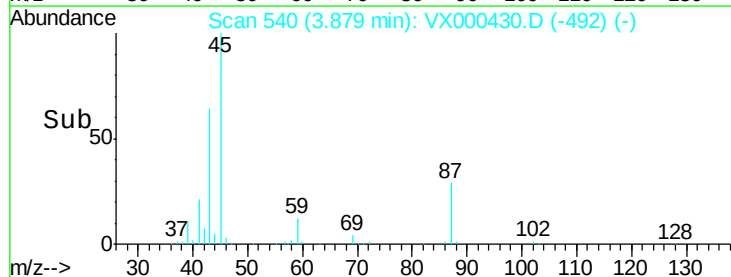
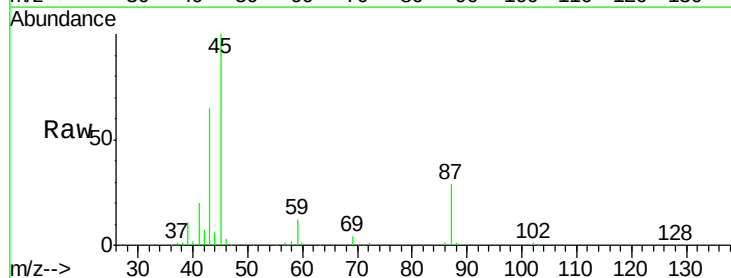
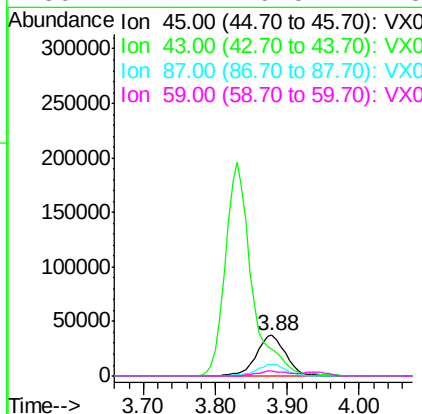
RT: 3.88 min Scan# 540

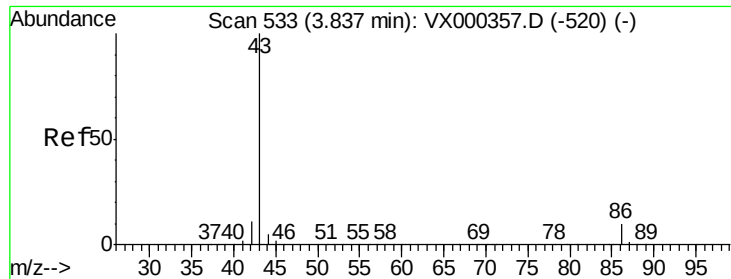
Delta R.T. -0.01 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tgt Ion:	45	Resp:	106017
Ion	Ratio	Lower	Upper
45	100		
43	64.3	53.9	80.9
87	28.6	22.6	34.0
59	12.4	9.5	14.3





#23

Vinyl Acetate

Concen: 119.18 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 43 Resp: 502044

Ion Ratio Lower Upper

43 100

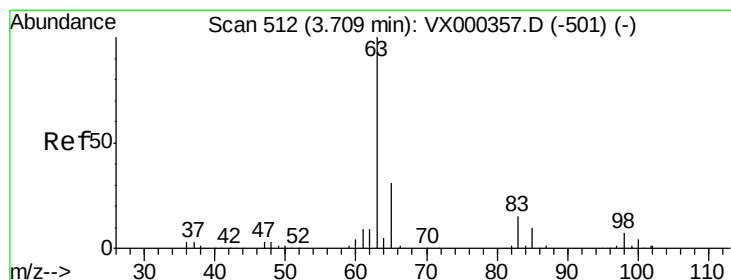
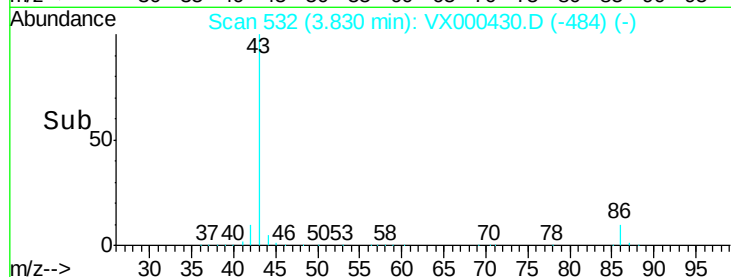
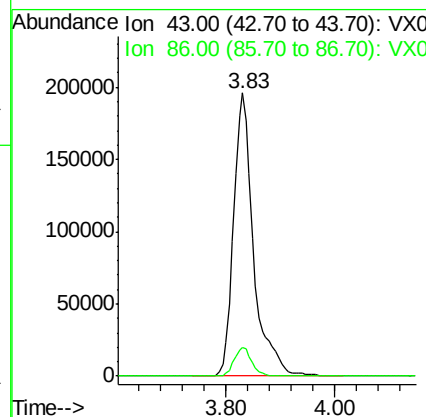
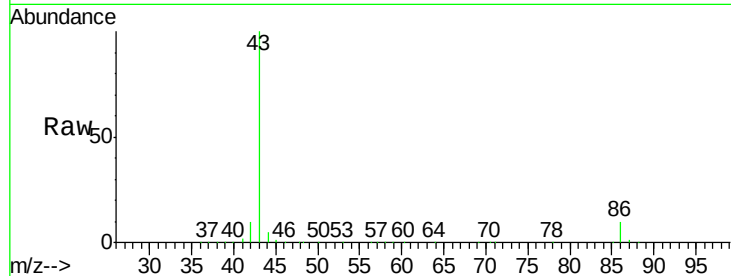
86 9.9 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.37 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

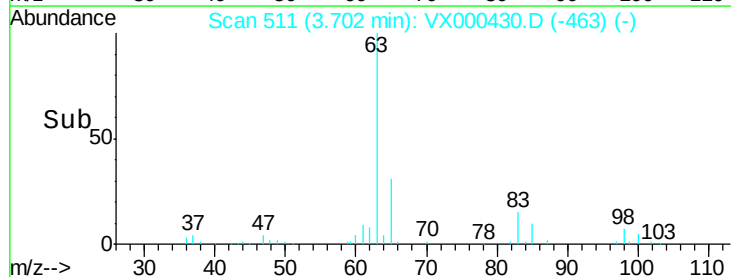
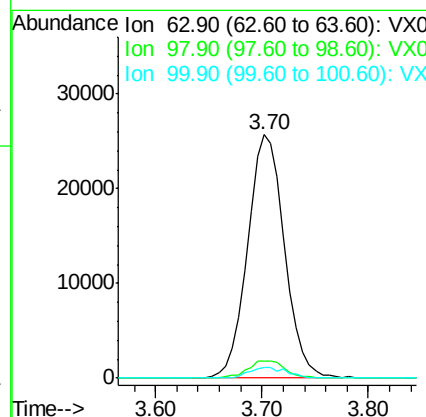
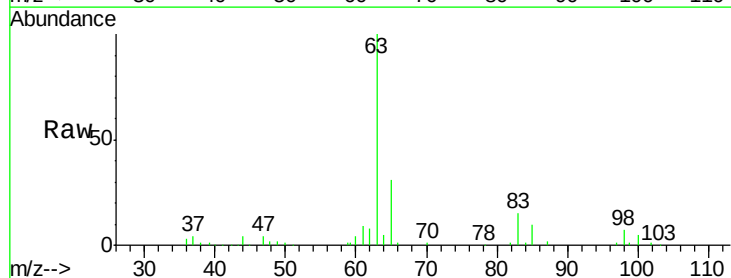
Tgt Ion: 63 Resp: 62512

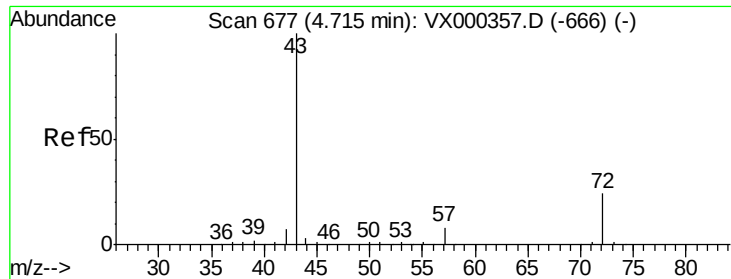
Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

100 4.5 2.0 5.8





#25

2-Butanone

Concen: 102.45 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 43 Resp: 163994

Ion Ratio Lower Upper

43 100

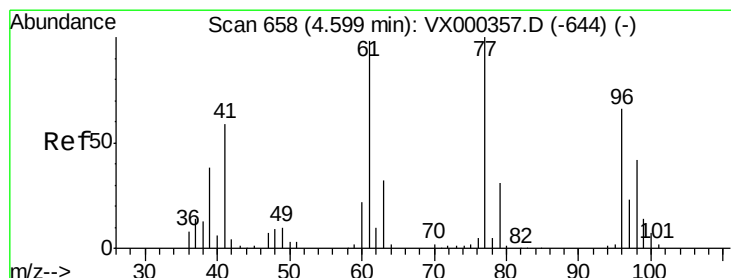
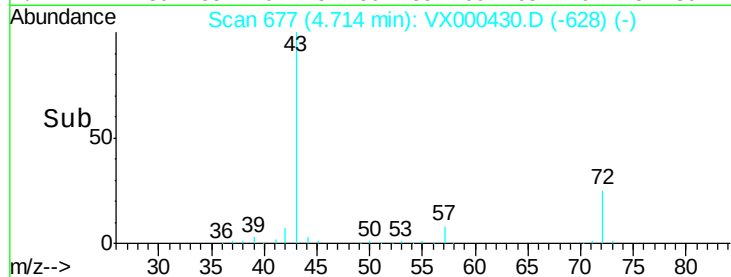
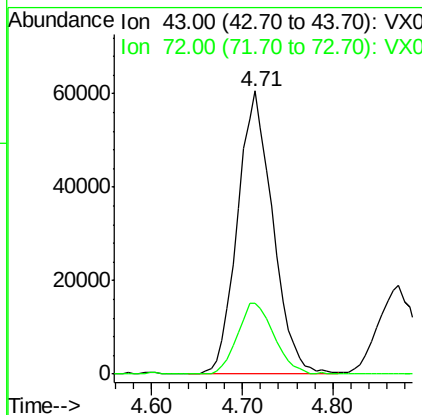
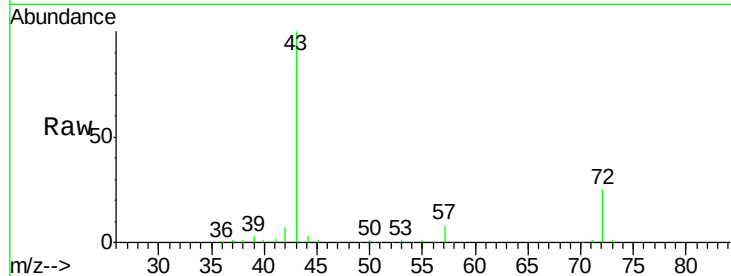
72 24.8 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.54 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000430.D

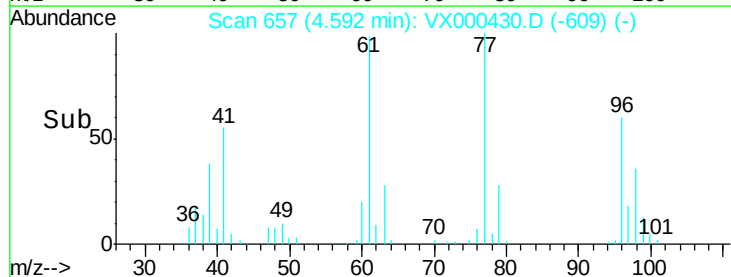
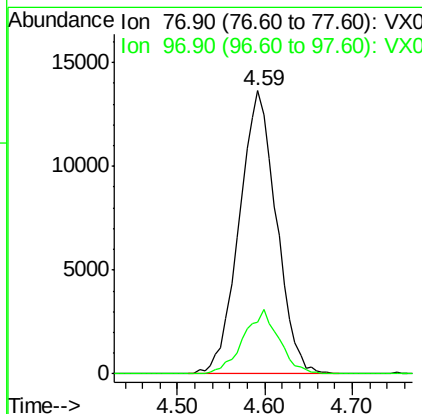
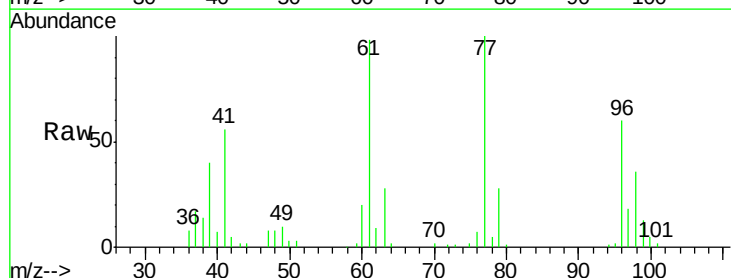
Acq: 23 Mar 2018 15:57

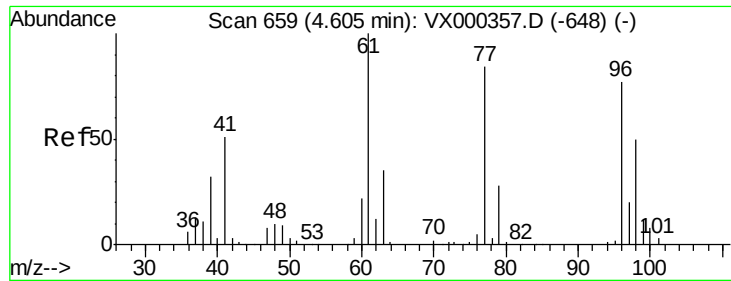
Tgt Ion: 77 Resp: 40227

Ion Ratio Lower Upper

77 100

97 21.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 21.10 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

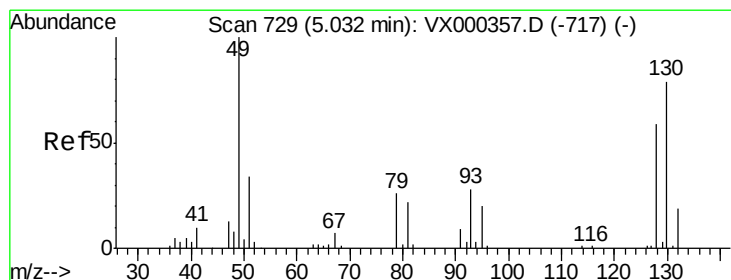
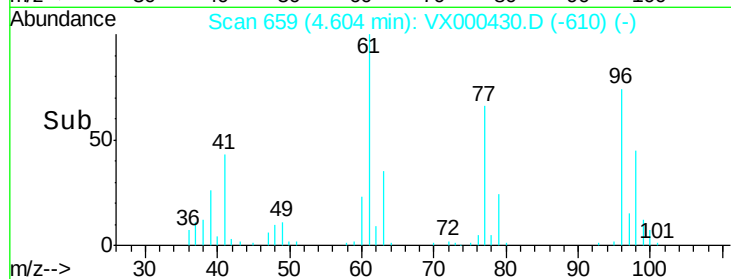
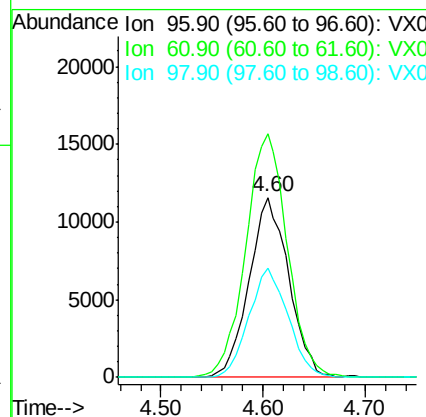
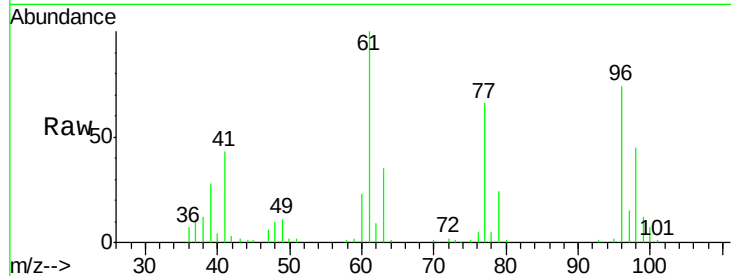
ClientSampleId :

VX0323WBSD01

Tot Ion:	96	Resp:	31276
Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	291.6
98	59.9	0.0	132.0

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#28

Bromochloromethane

Concen: 19.18 ug/l

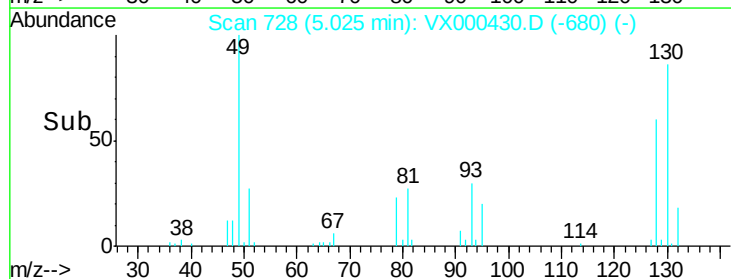
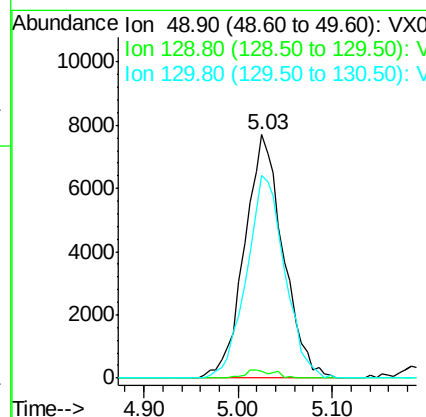
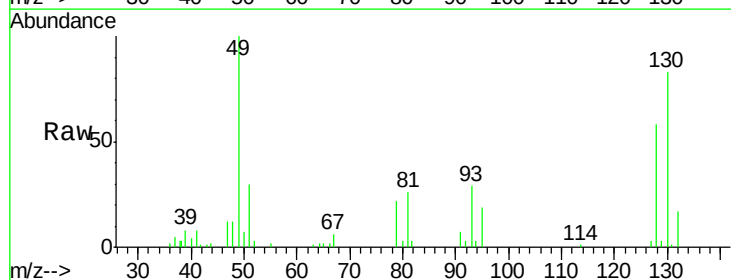
RT: 5.03 min Scan# 728

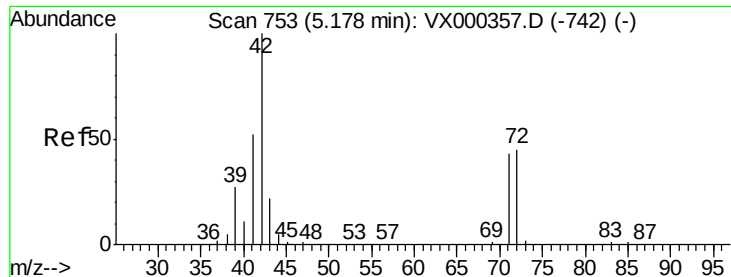
Delta R.T. -0.01 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tgt Ion:	49	Resp:	22093
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	82.2	64.0	96.0





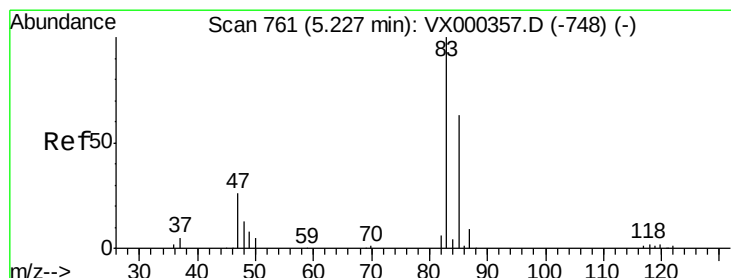
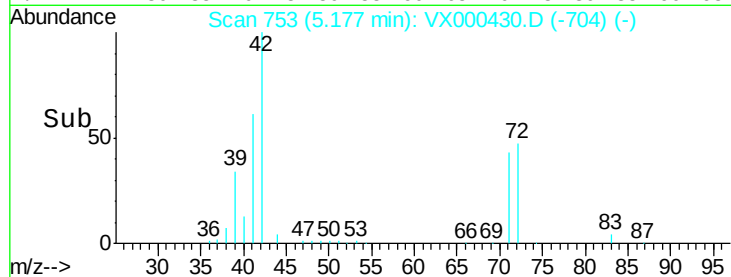
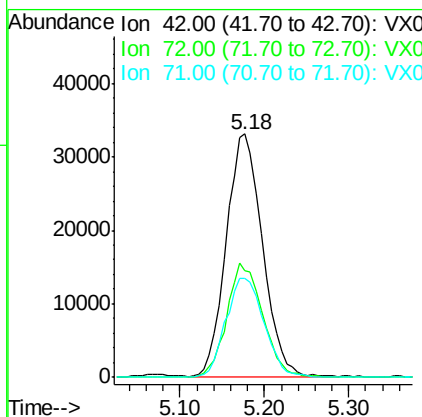
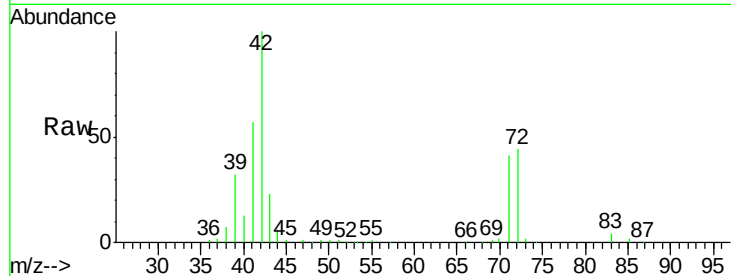
#29
Tetrahydrofuran
Concen: 99.04 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.9	56.9
71	42.8	34.4	51.6

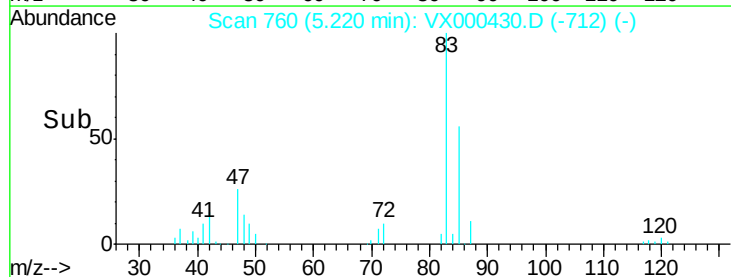
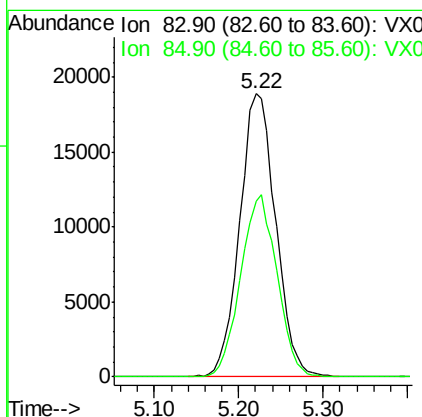
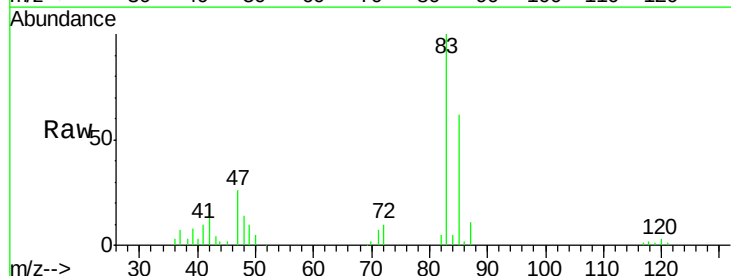
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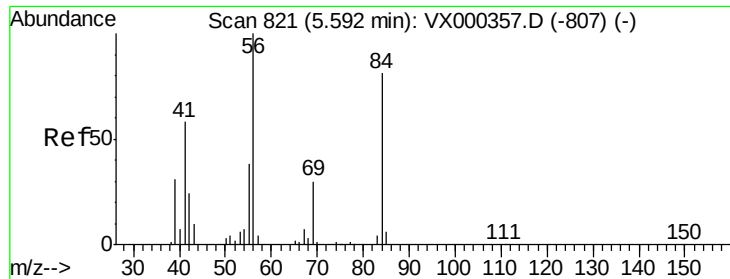
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#30
Chloroform
Concen: 20.84 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	53.3	79.9





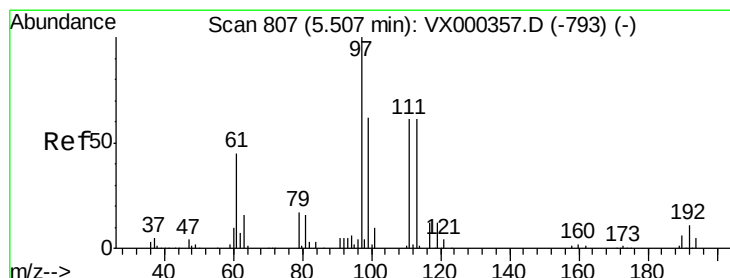
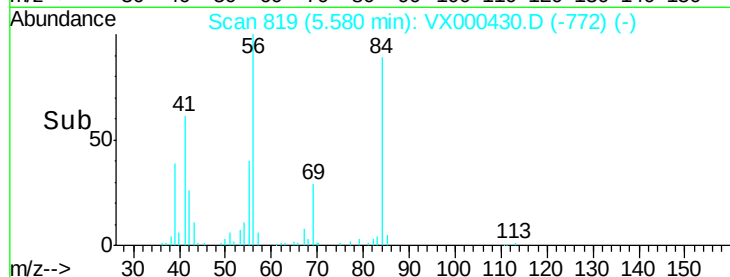
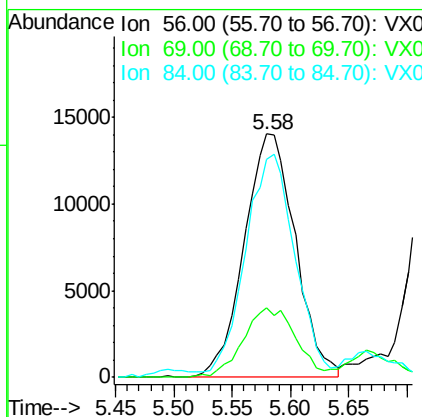
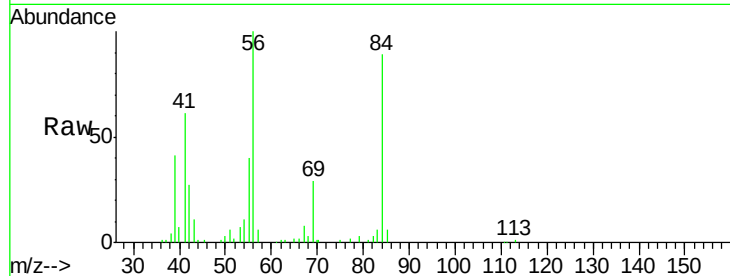
#31
Cyclohexane
Concen: 19.79 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.4	35.0
84	87.0	71.0	106.4

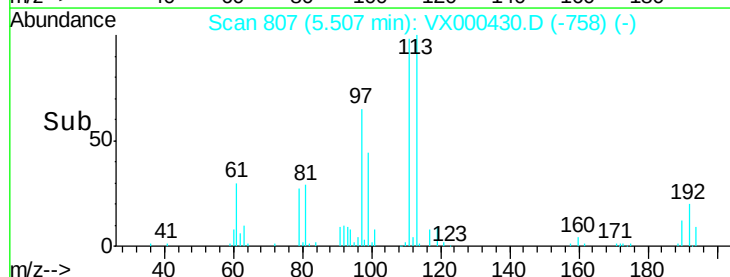
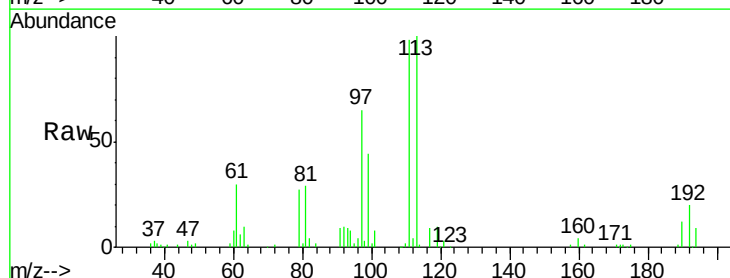
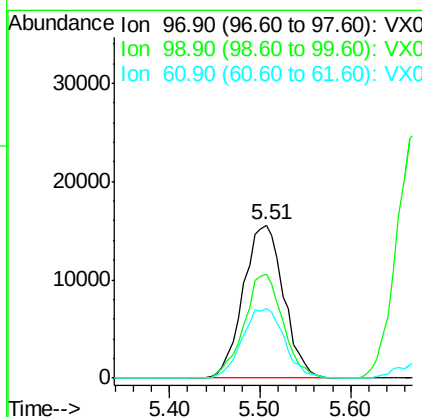
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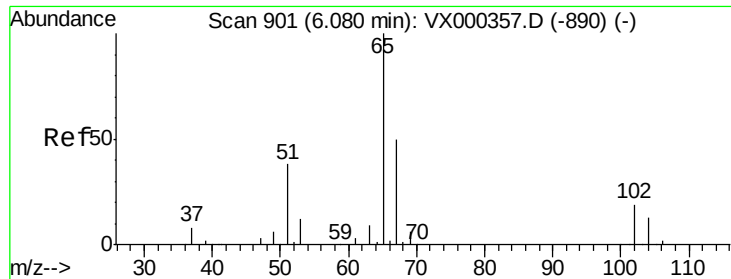
sam
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#32
1,1,1-Trichloroethane
Concen: 20.27 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.1	78.1
61	47.2	36.2	54.4





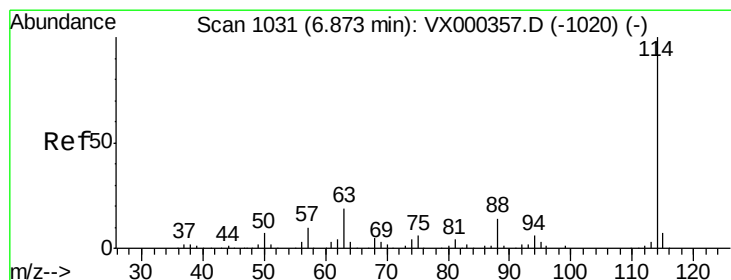
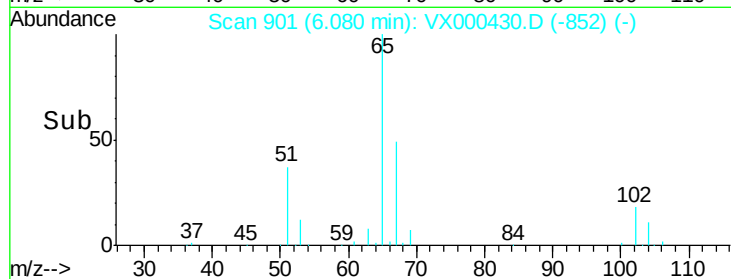
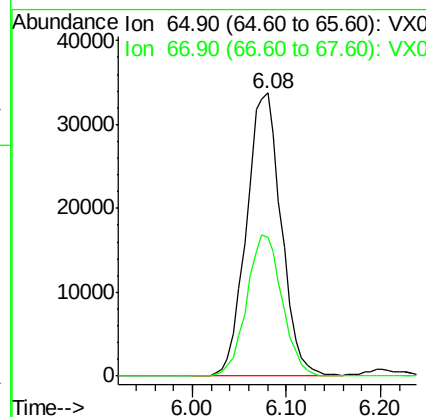
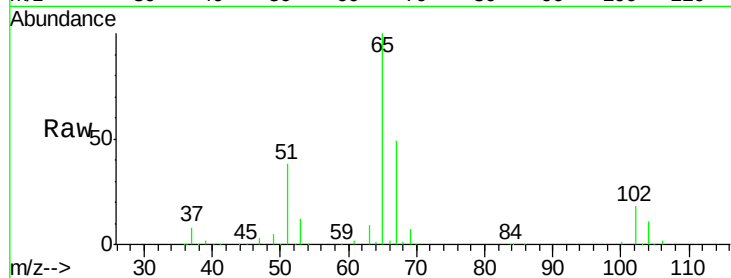
#33
 1,2-Dichloroethane-d4
 Concen: 51.09 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
 MSVOA_X
 ClientSampled :
 VX0323WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	103.2

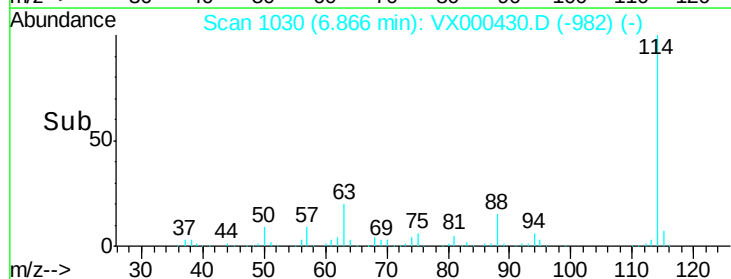
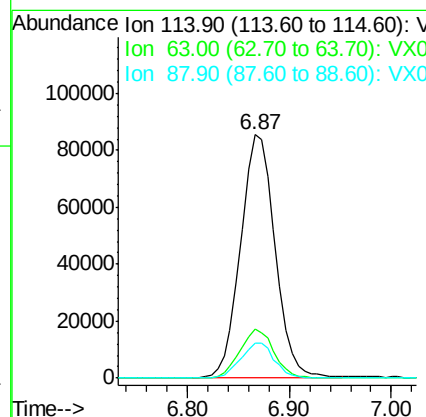
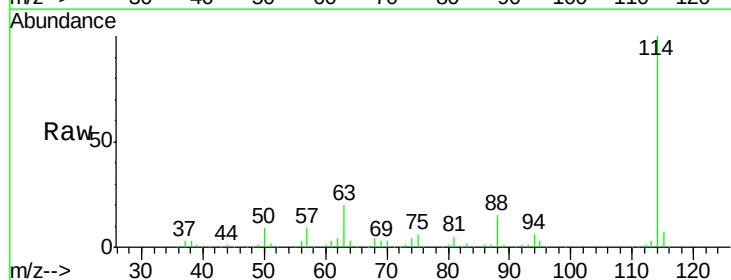
Manual Integrations
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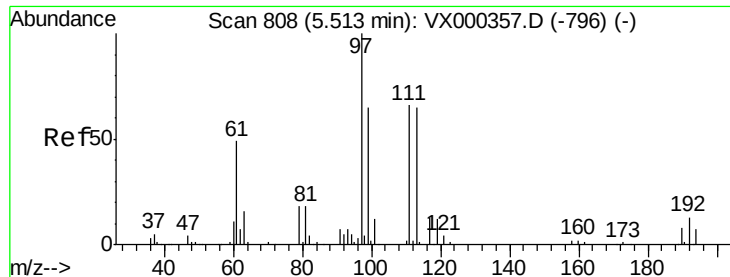
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	38.4
88	14.5	0.0	27.0





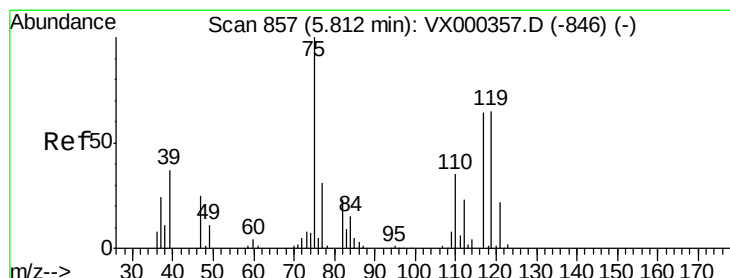
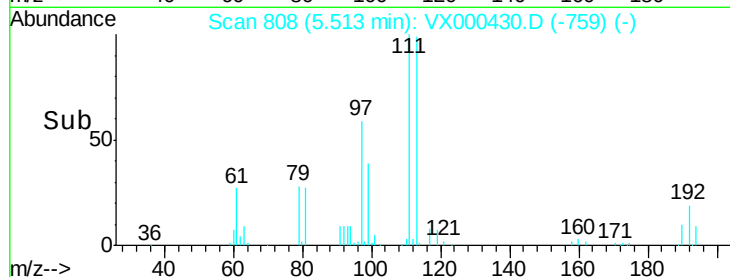
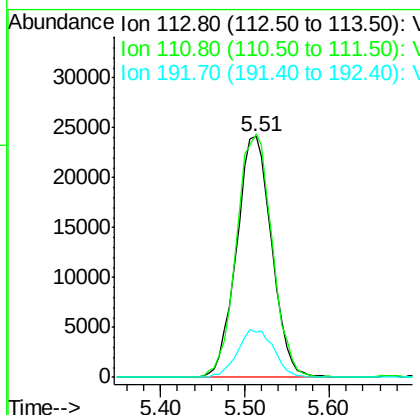
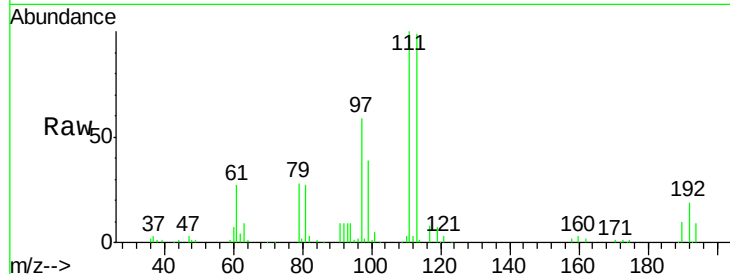
#35
 Dibromofluoromethane
 Concen: 53.55 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	68005		
111	102.6		82.4	123.6
192	20.5		15.8	23.6

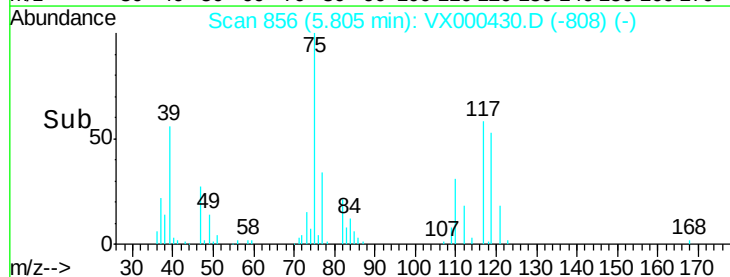
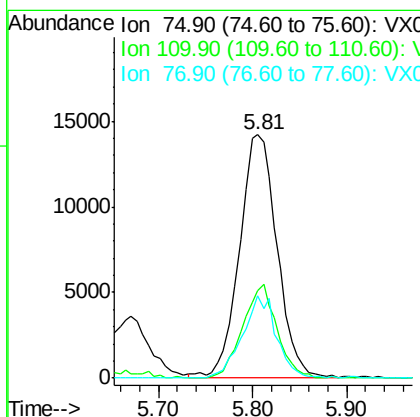
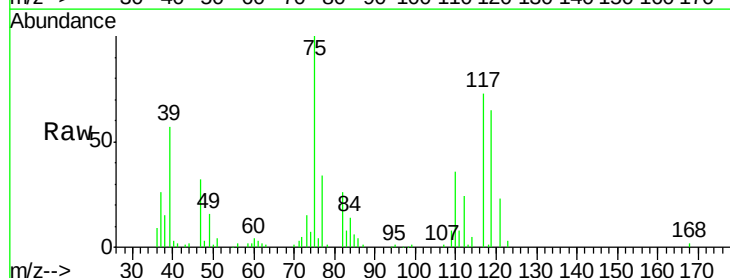
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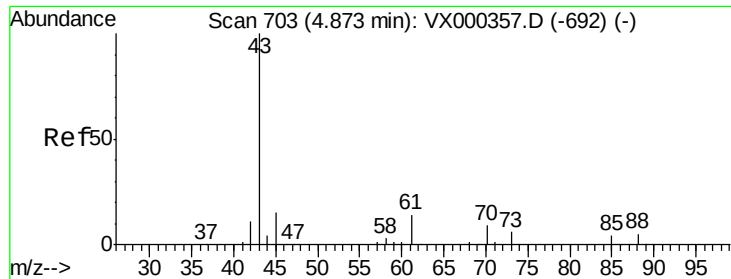
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#36
 1,1-Dichloropropene
 Concen: 21.09 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39814		
110	35.0		17.9	53.7
77	30.8		24.0	36.0





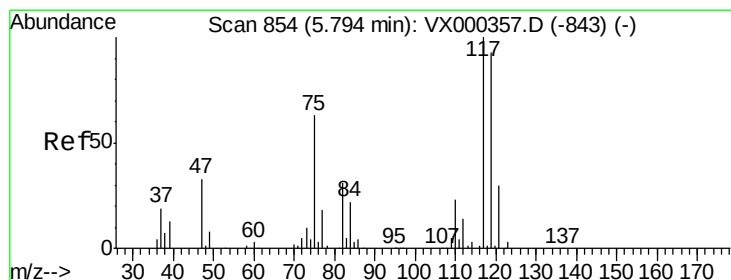
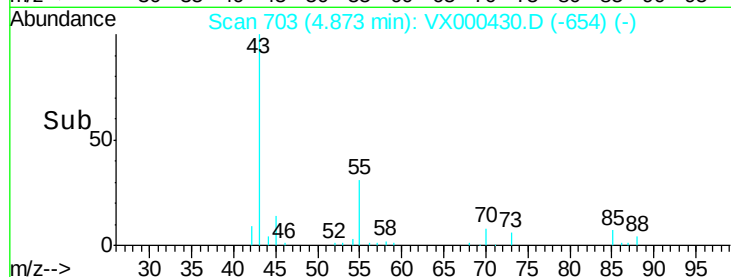
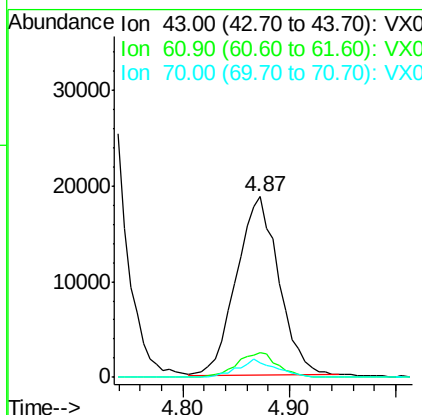
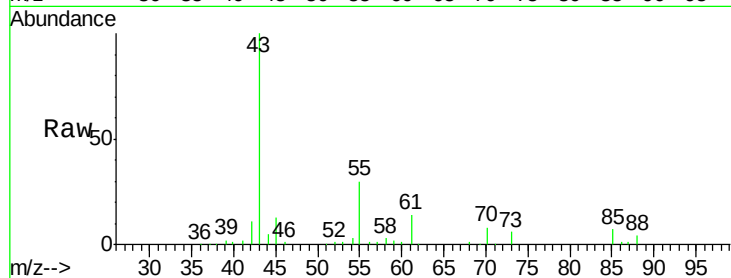
#37
Ethyl Acetate
Concen: 20.31 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampled :
VX0323WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	9.2	7.7	11.5

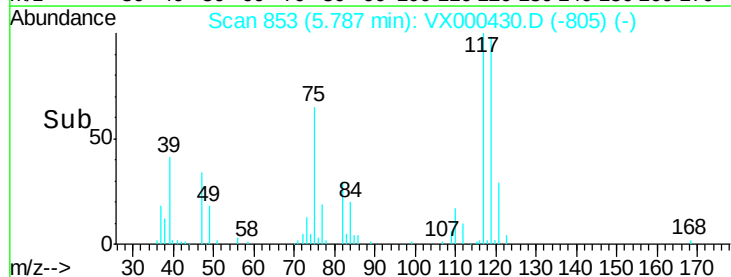
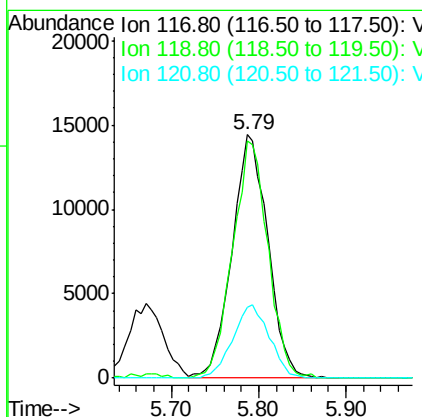
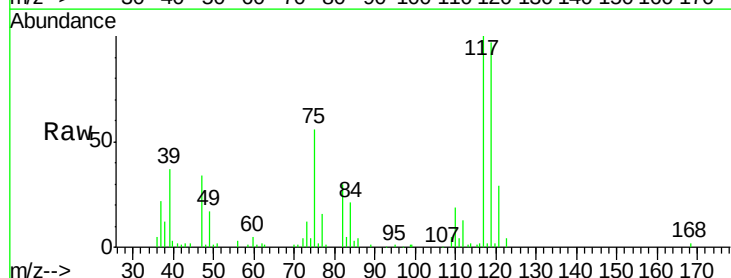
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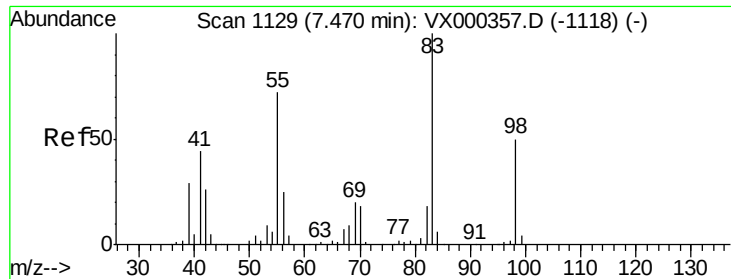
sam
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#38
Carbon Tetrachloride
Concen: 20.75 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.4	116.2
121	29.0	24.8	37.2





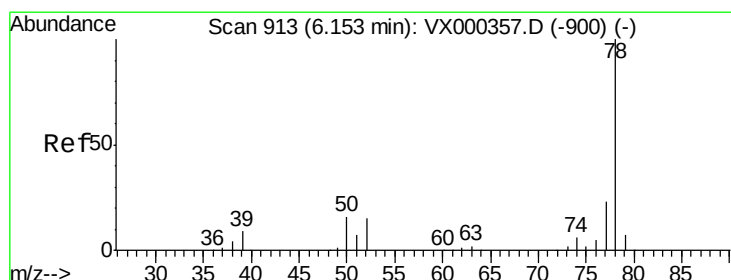
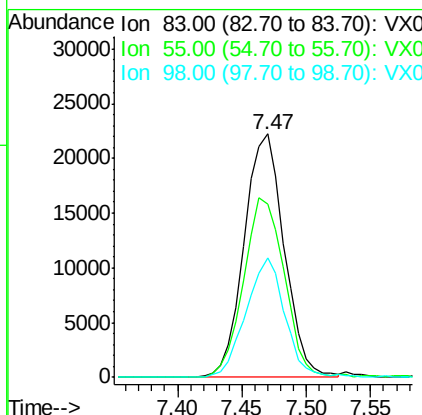
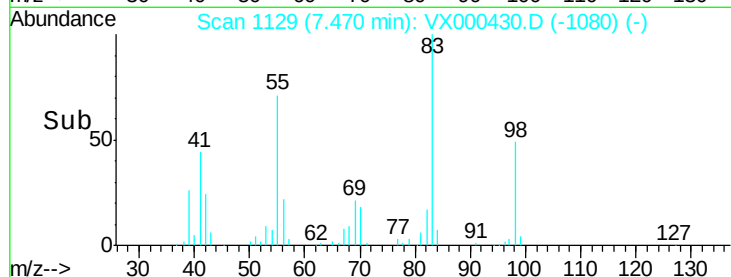
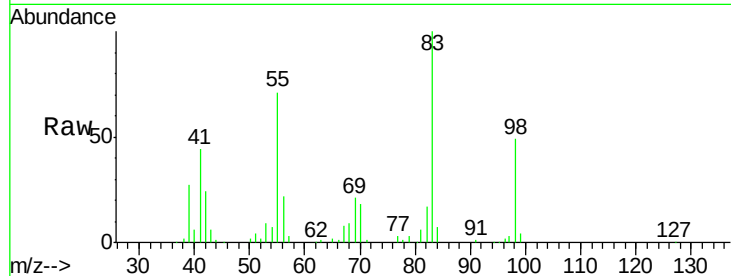
#39
Methylvlcyclohexane
Concen: 20.81 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBSD01

Tot Ion	83	Resp	47789
Ion Ratio	100	Lower	Upper
83	100		
55	71.2	55.5	83.3
98	49.0	38.2	57.4

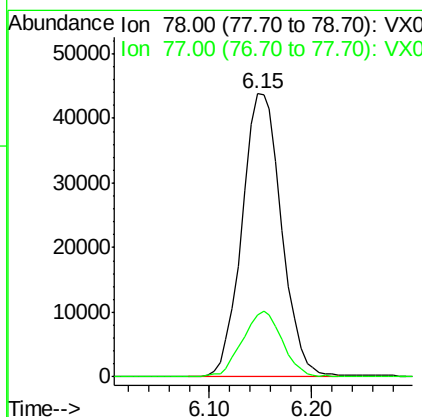
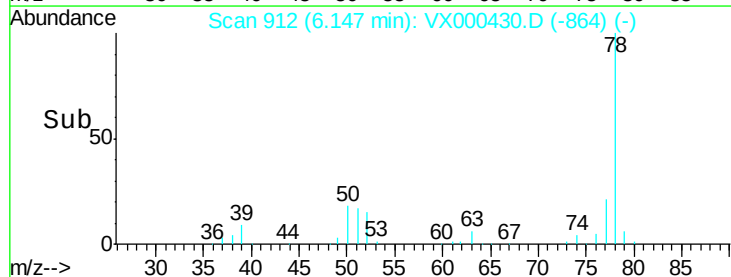
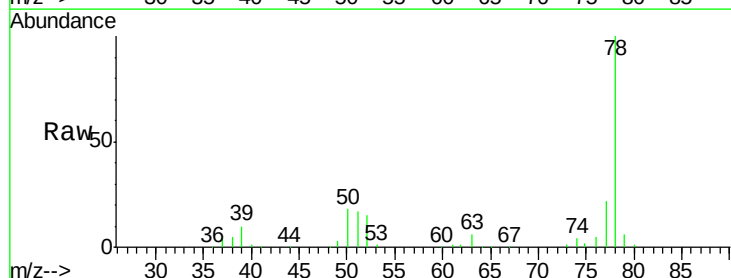
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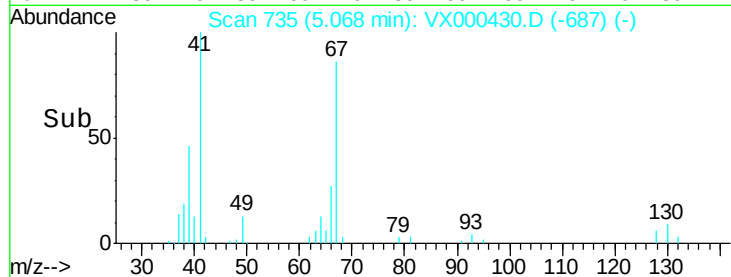
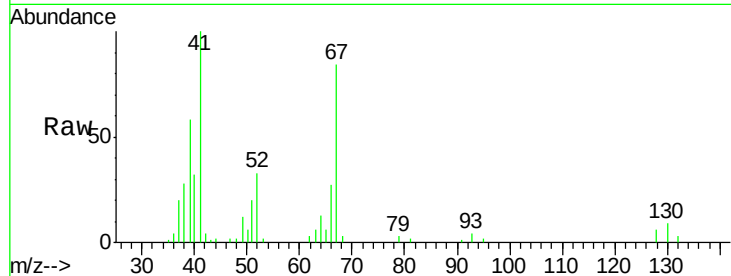
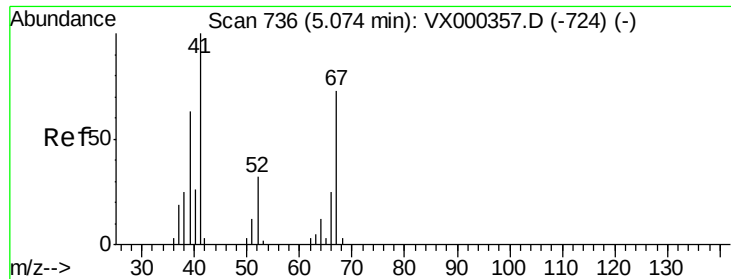
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#40
Benzene
Concen: 21.50 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion	78	Resp	117853
Ion Ratio	100	Lower	Upper
78	100		
77	21.9	18.7	28.1





#41

Methacrylonitrile

Concen: 20.15 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tot Ion:	41	Resp:	27396
Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.7	68.5
67	76.6	57.8	86.8
52	35.4	26.7	40.1

Instrument :

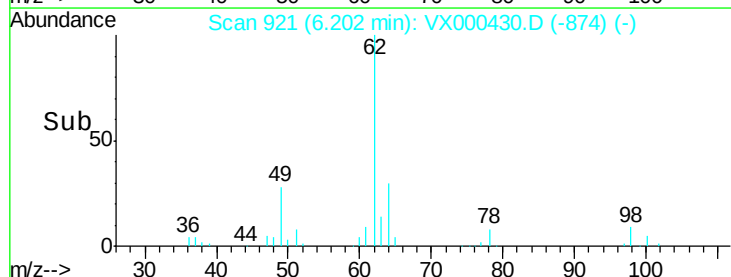
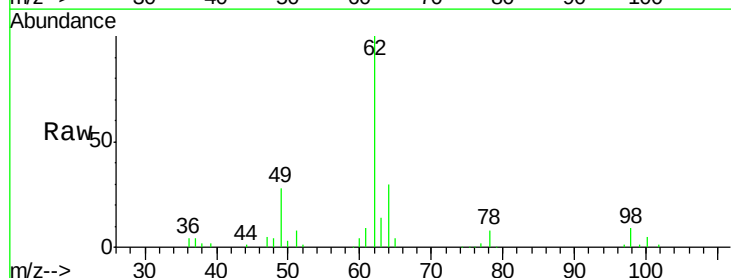
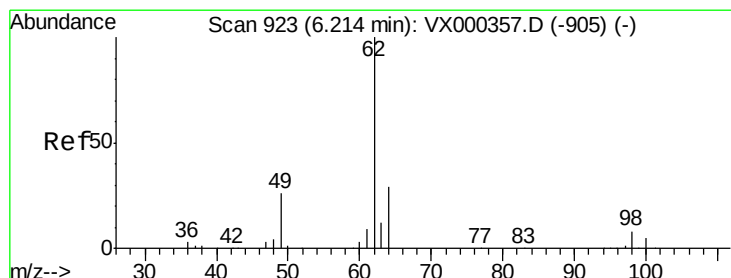
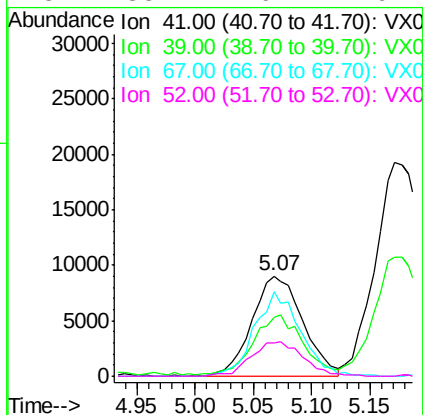
MSVOA_X

ClientSampleId :

VX0323WBSD01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.29 ug/l

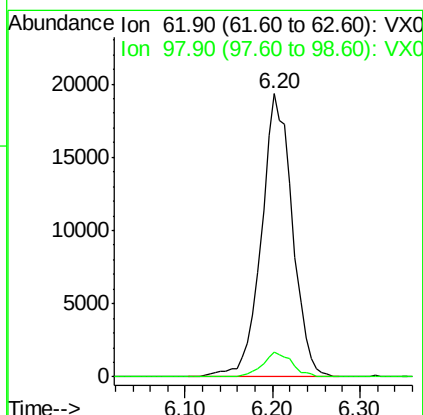
RT: 6.20 min Scan# 921

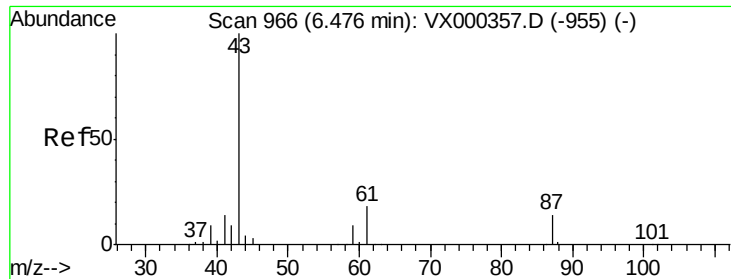
Delta R.T. -0.01 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tgt Ion:	62	Resp:	47941
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.61 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

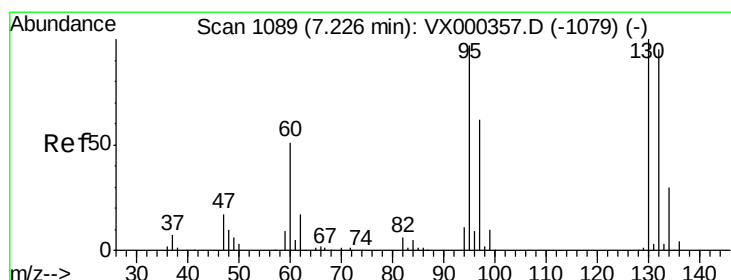
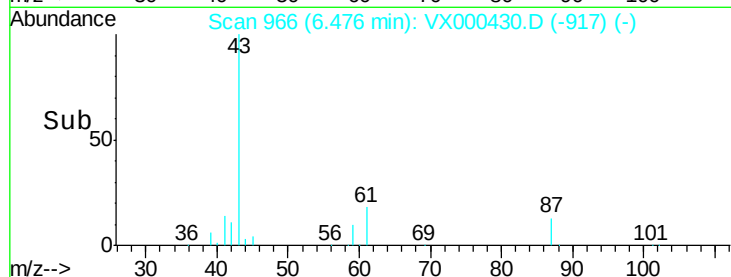
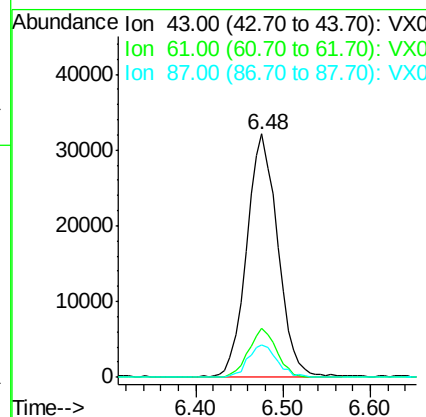
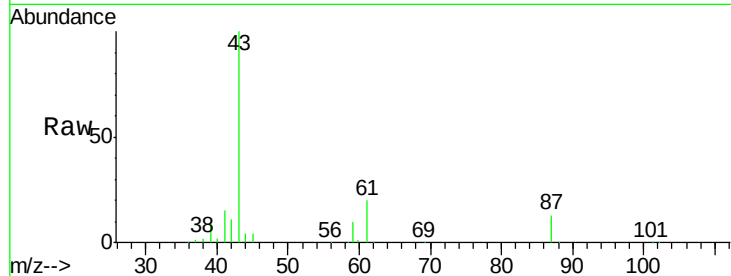
ClientSampleId :

VX0323WBSD01

Tot Ion:	43	Resp:	79114
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	12.7	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 21.25 ug/l

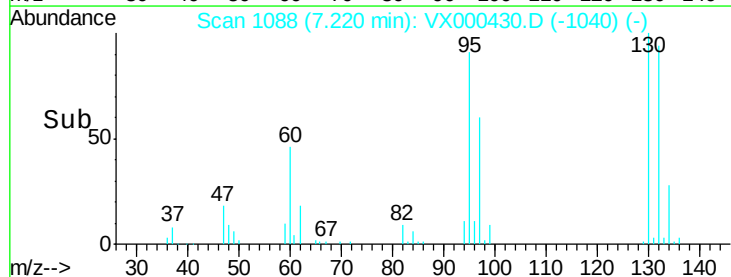
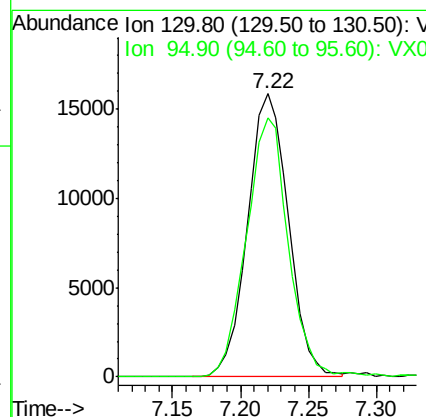
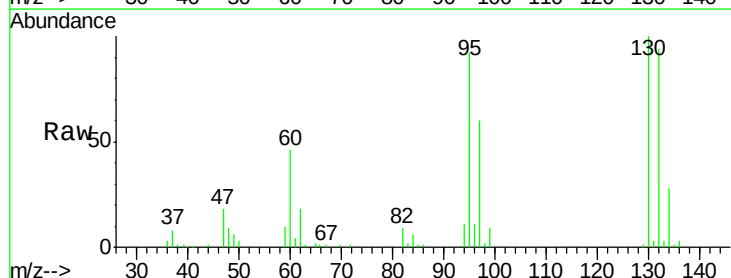
RT: 7.22 min Scan# 1088

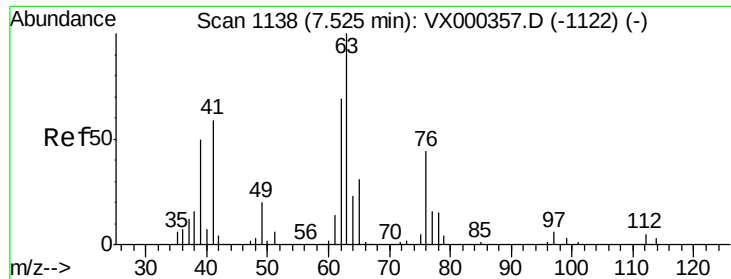
Delta R.T. -0.01 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tgt Ion:	130	Resp:	33377
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	186.0





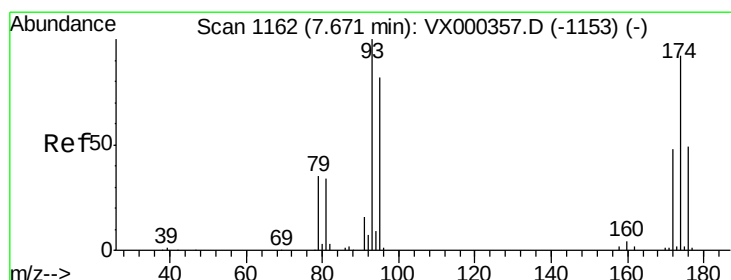
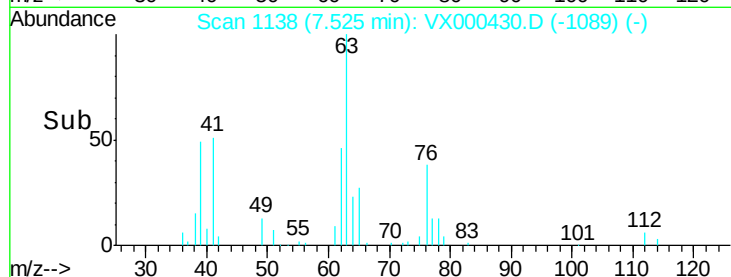
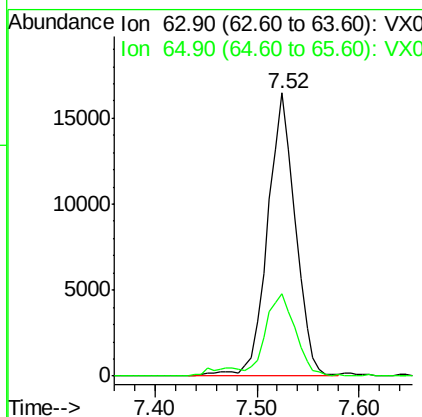
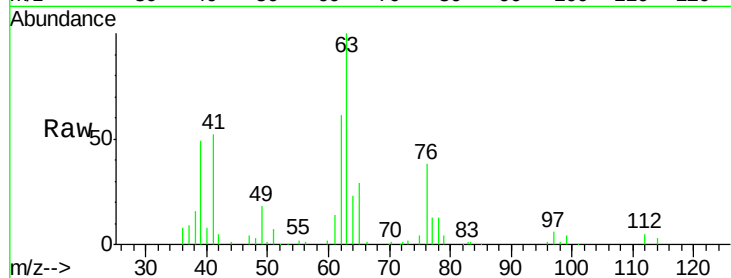
#45
 1,2-Dichloropropane
 Concen: 22.12 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
 MSVOA_X
 ClientSampled :
 VX0323WBSD01

Tot Ion: 63 Resp: 31040
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.6 36.8

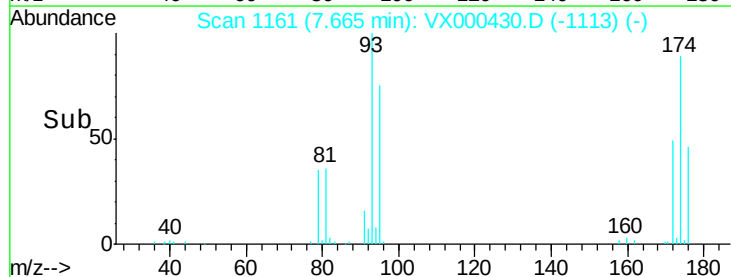
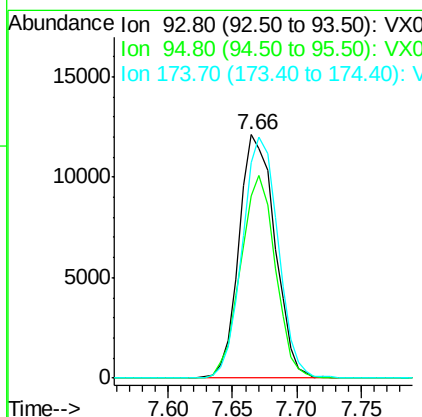
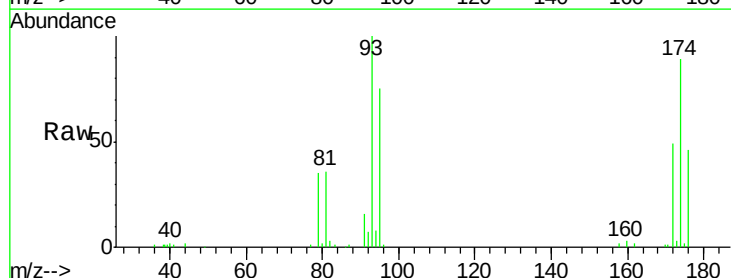
Manual Integrations
 APPROVED

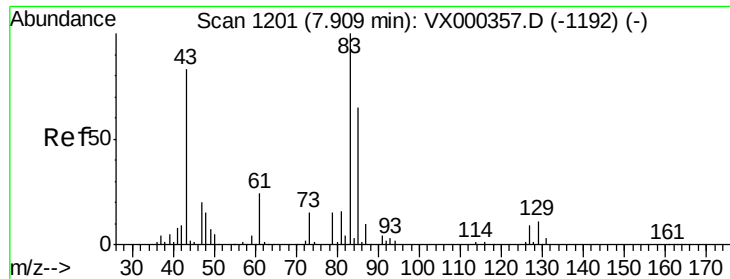
sam
 3/26/2018 2:36:28 PM



#46
 Dibromomethane
 Concen: 21.22 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion: 93 Resp: 23373
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.5 99.7
 174 98.4 76.0 114.0





#47

Bromodichloromethane

Concen: 21.77 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

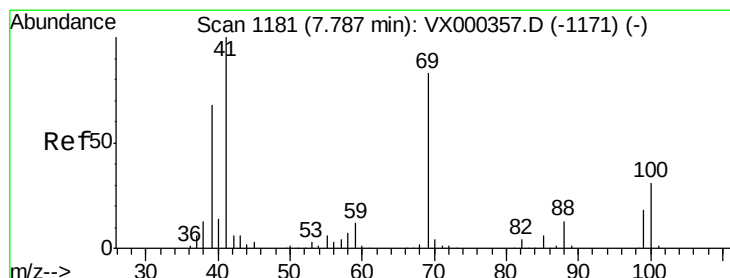
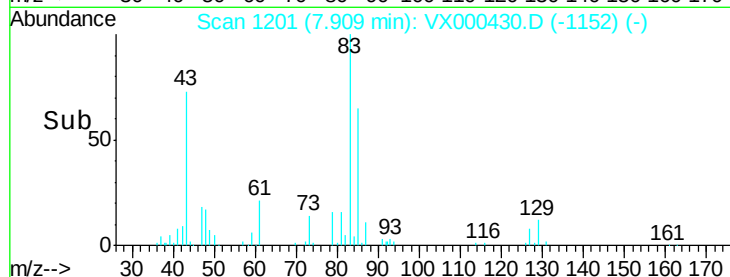
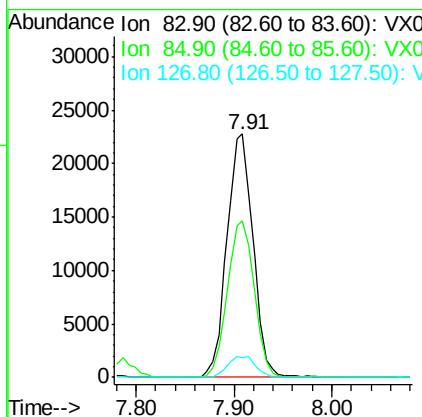
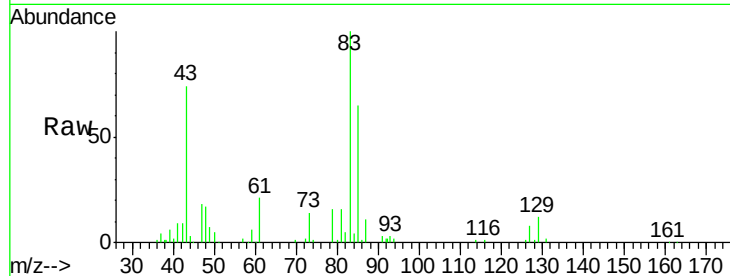
ClientSampleId :

VX0323WBSD01

Tot Ion:	83	Resp:	42196
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0
127	8.3	7.0	10.6

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 20.73 ug/l

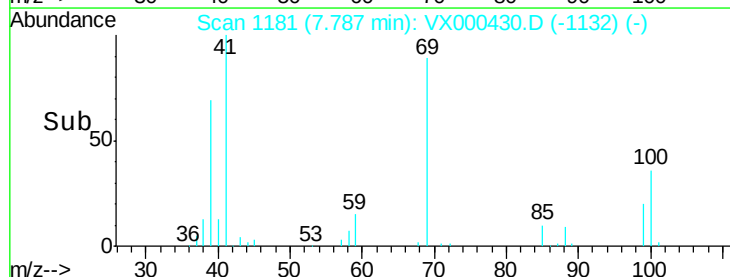
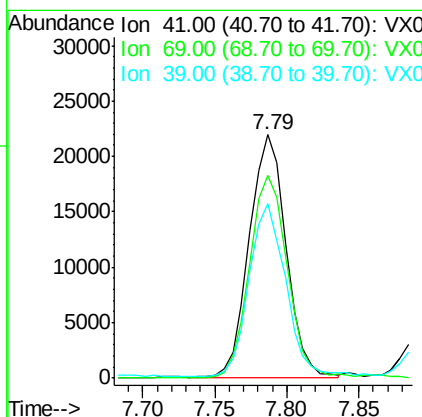
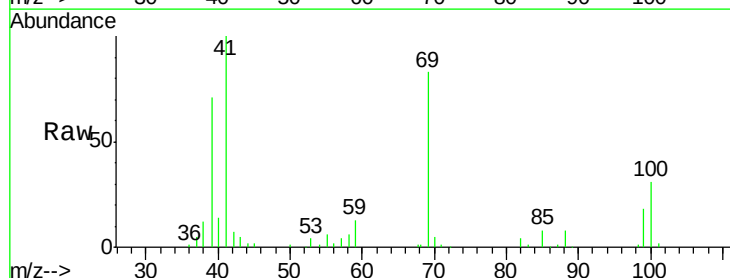
RT: 7.79 min Scan# 1181

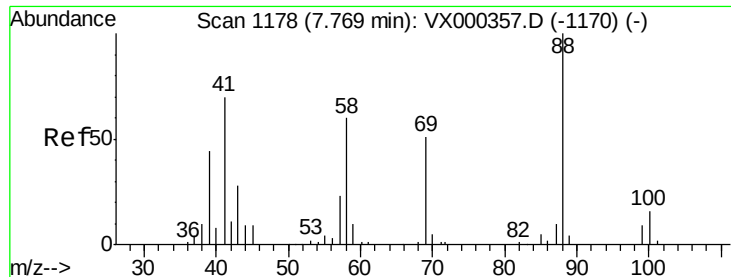
Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tgt Ion:	41	Resp:	38627
Ion	Ratio	Lower	Upper
41	100		
69	86.3	68.2	102.4
39	71.5	54.6	81.8





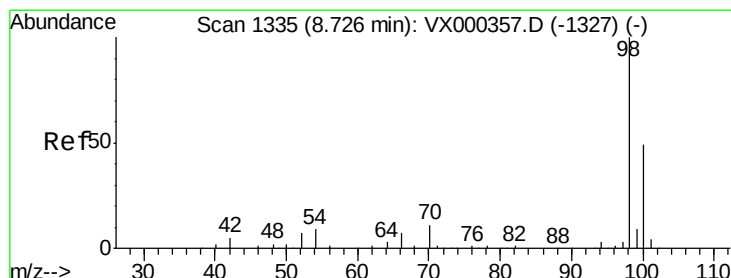
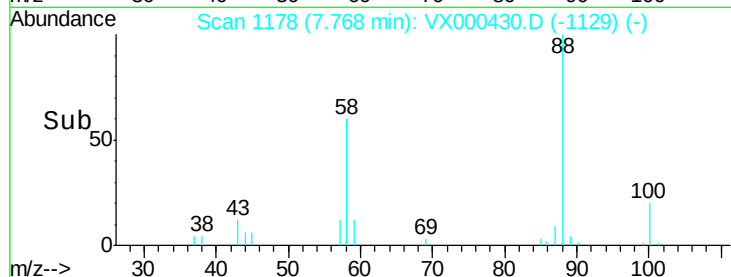
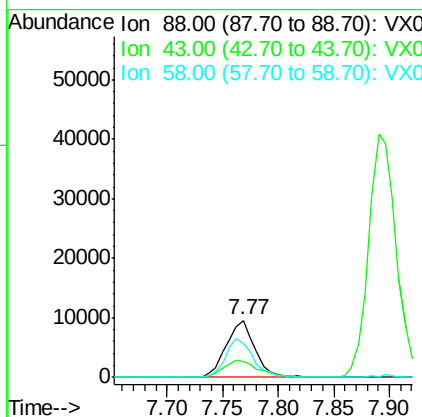
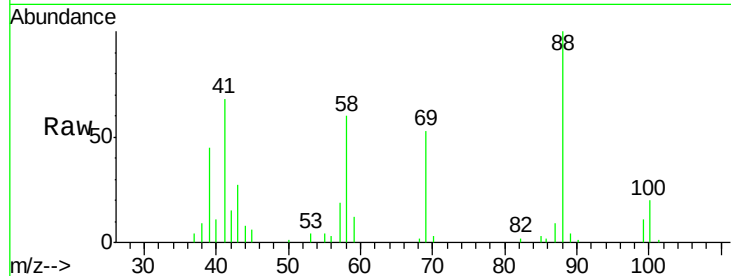
#49
1,4-Dioxane
Concen: 432.94 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampled :
VX0323WBSD01

Tot Ion	88	Resp	16959
Ion Ratio	Lower	Upper	
88	100		
43	35.6	26.8	40.2
58	66.2	52.2	78.2

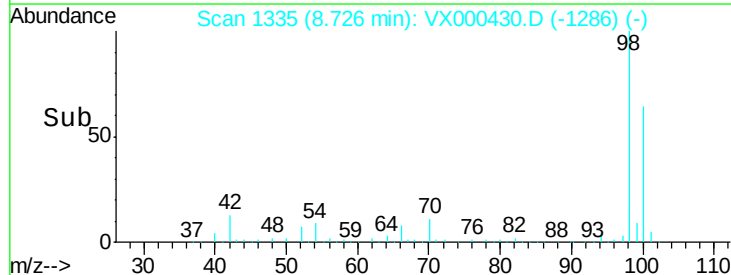
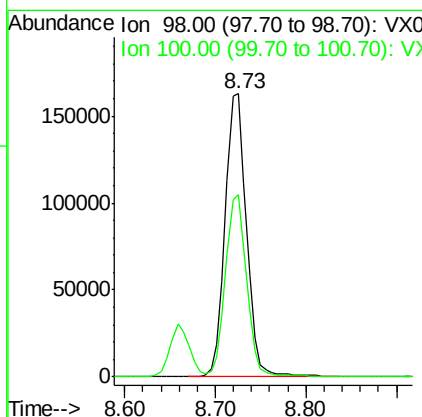
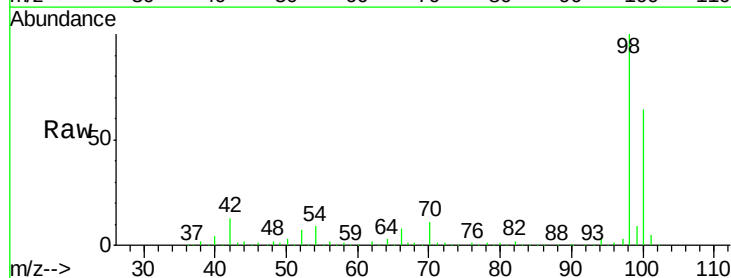
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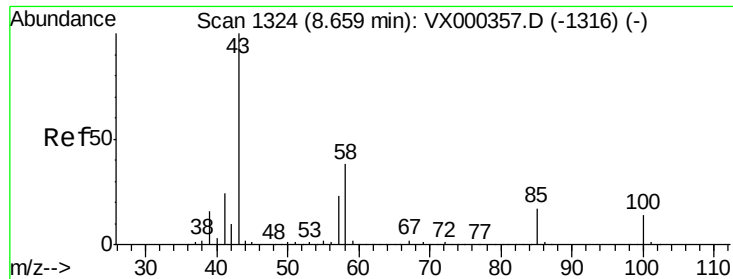
sam
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#50
Toluene-d8
Concen: 50.76 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion	98	Resp	266959
Ion Ratio	Lower	Upper	
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 104.66 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 43 Resp: 310967

Ion Ratio Lower Upper

43 100

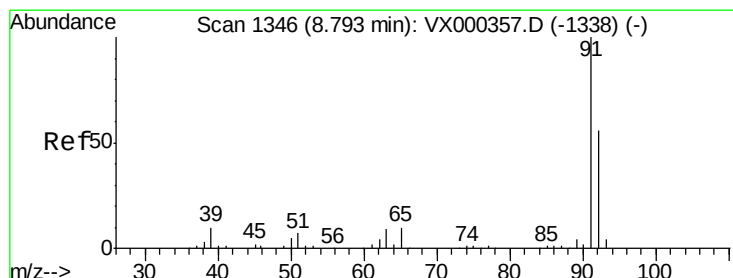
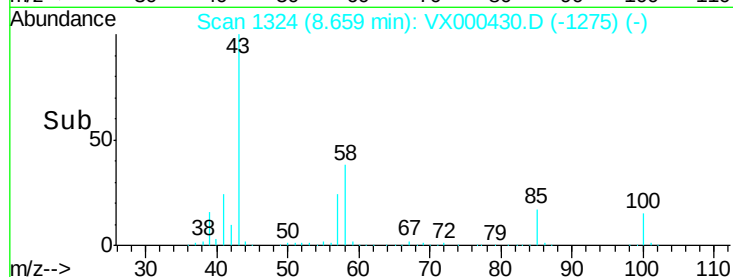
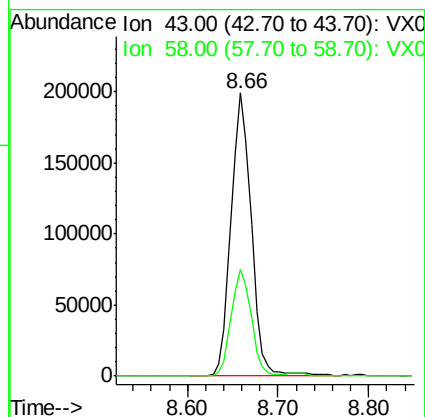
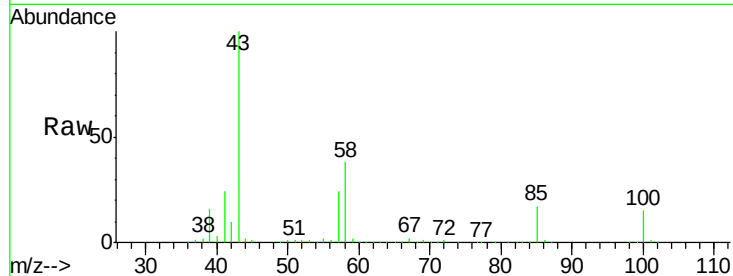
58 37.1 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 20.69 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000430.D

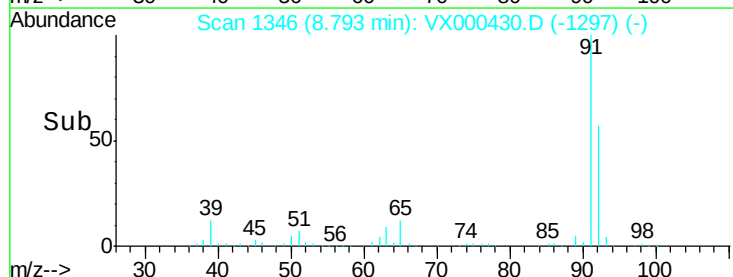
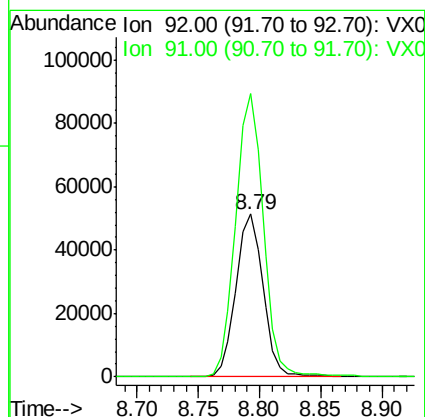
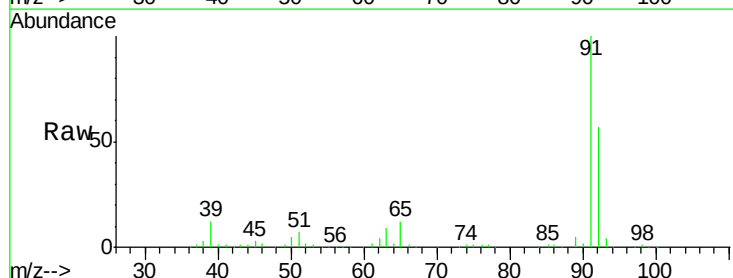
Acq: 23 Mar 2018 15:57

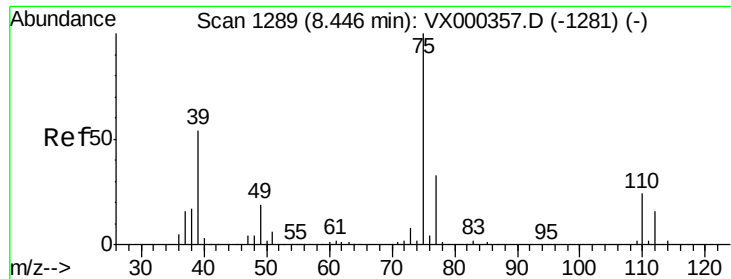
Tgt Ion: 92 Resp: 79314

Ion Ratio Lower Upper

92 100

91 177.4 140.2 210.2





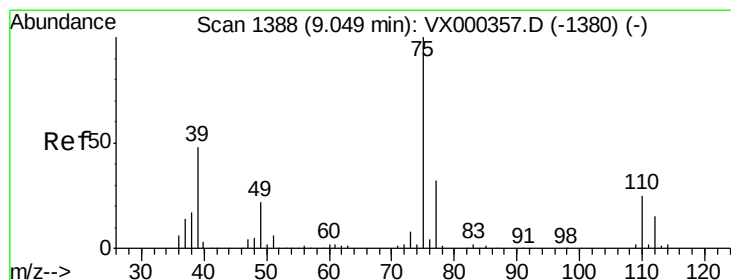
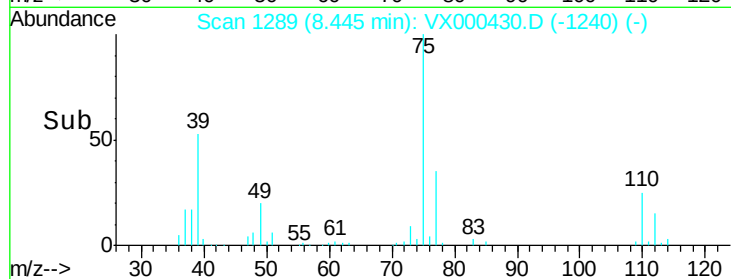
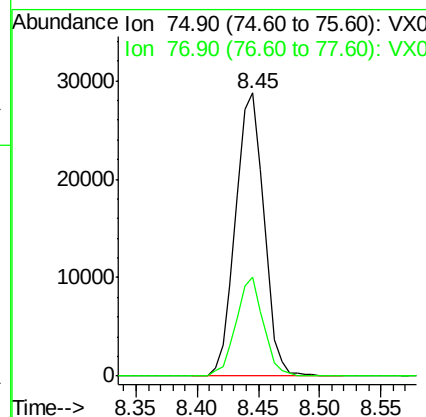
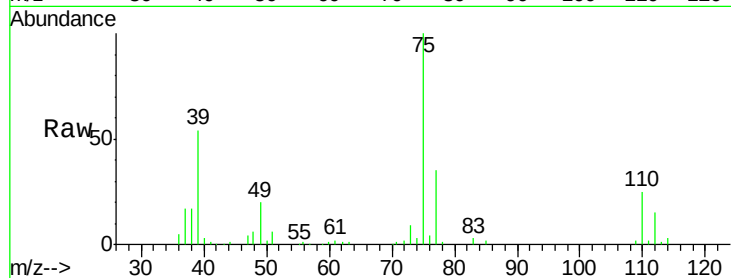
#53
 t-1,3-Dichloropropene
 Concen: 20.59 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.2	24.0	36.0

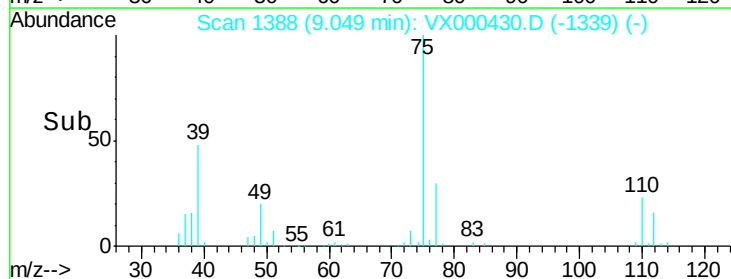
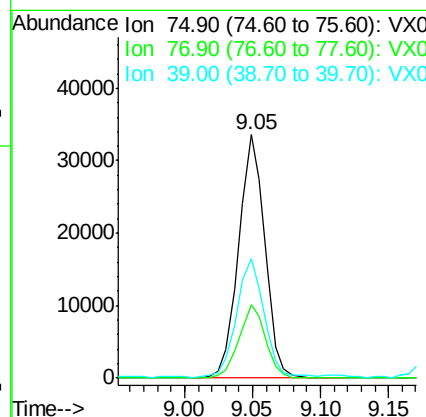
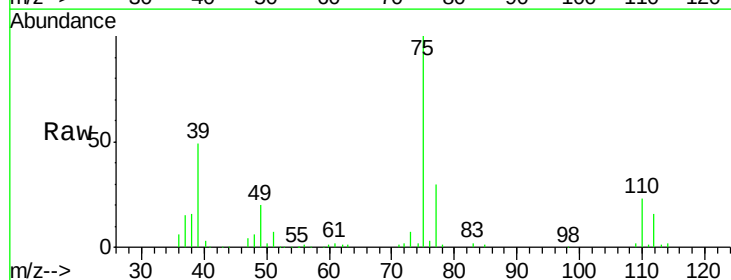
Manual Integrations
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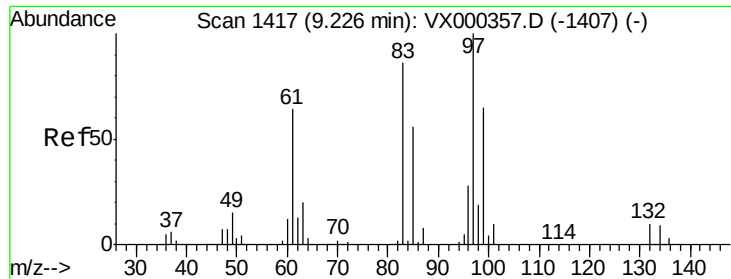
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 20.72 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.1	39.1
39	48.8	39.8	59.6





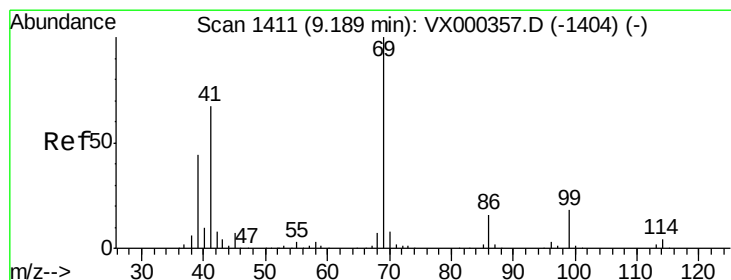
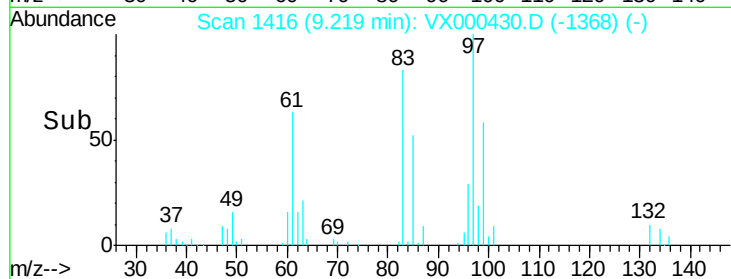
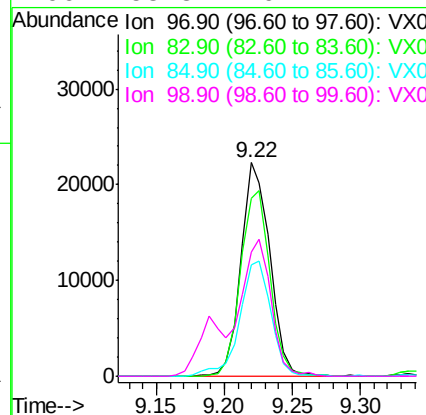
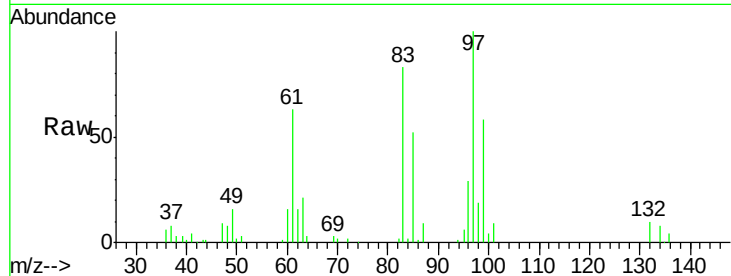
#55
 1,1,2-Trichloroethane
 Concen: 20.91 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBSD01

Tot Ion:	97	Resp:	32960
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.9	101.9
85	52.2	42.8	64.2
99	58.3	49.4	74.2

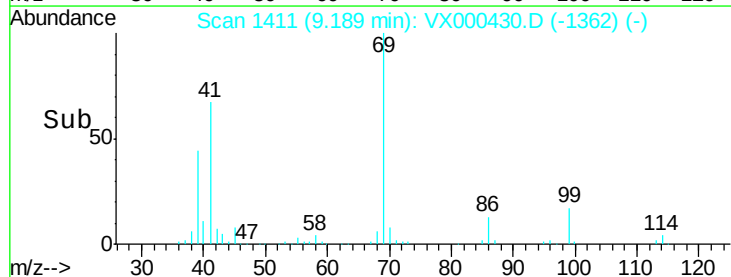
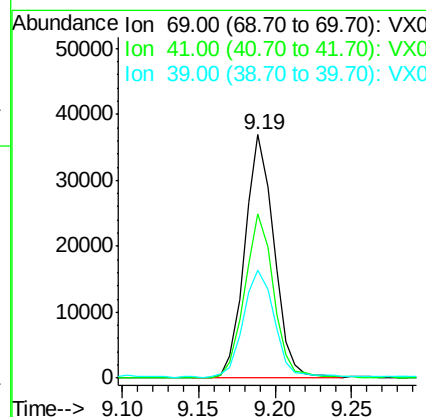
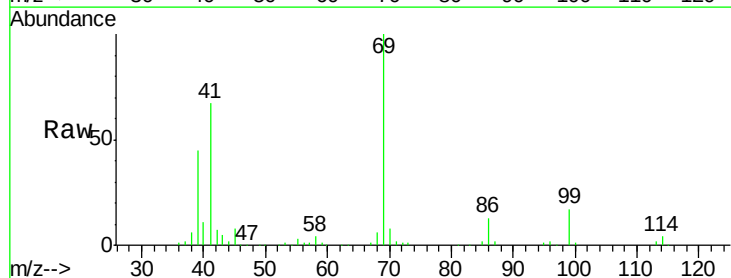
Manual Integrations
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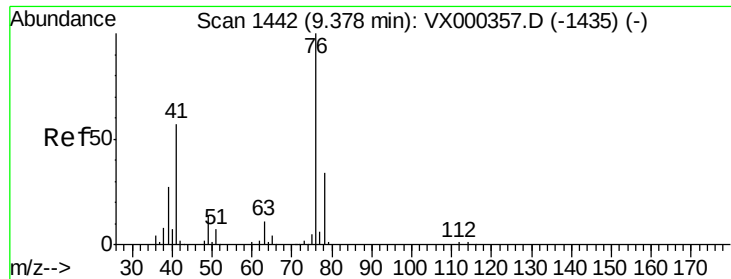
sam
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#56
 Ethyl methacrylate
 Concen: 20.52 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion:	69	Resp:	49009
Ion	Ratio	Lower	Upper
69	100		
41	67.8	53.0	79.6
39	47.2	35.3	52.9





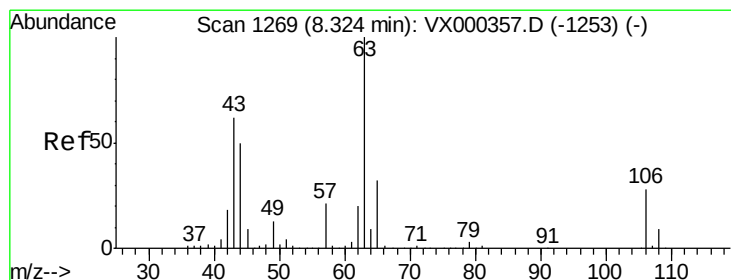
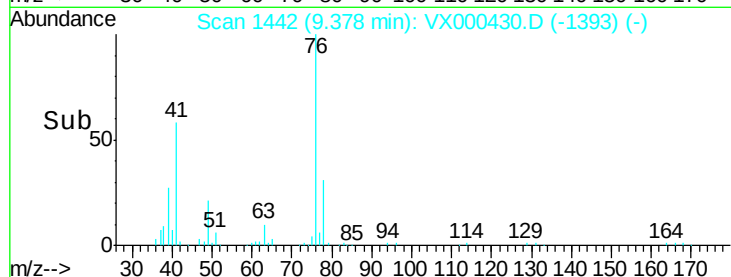
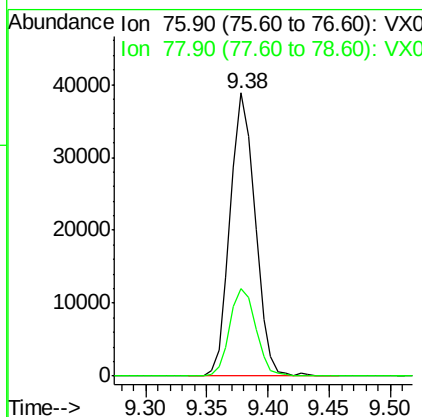
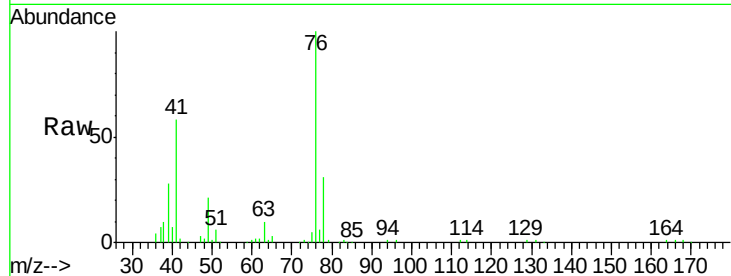
#57
 1,3-Dichloropropane
 Concen: 21.94 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBSD01

Tot Ion: 76 Resp: 55317
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.4 39.6

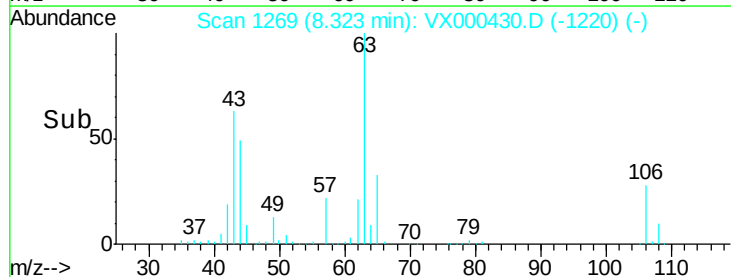
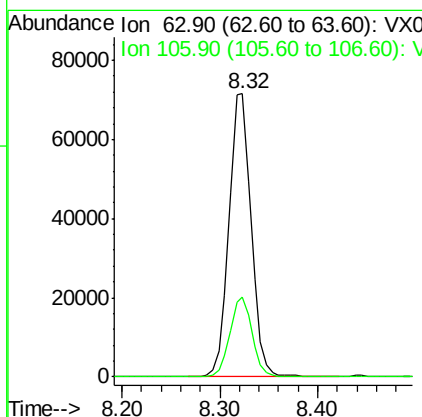
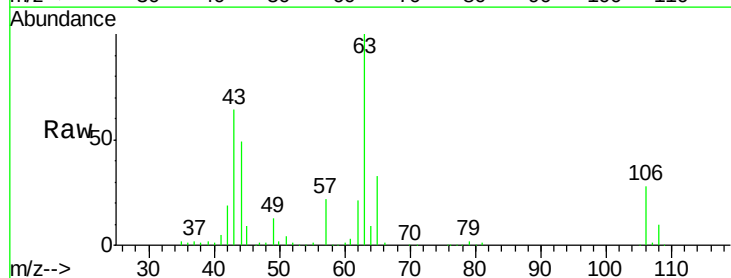
Manual Integrations
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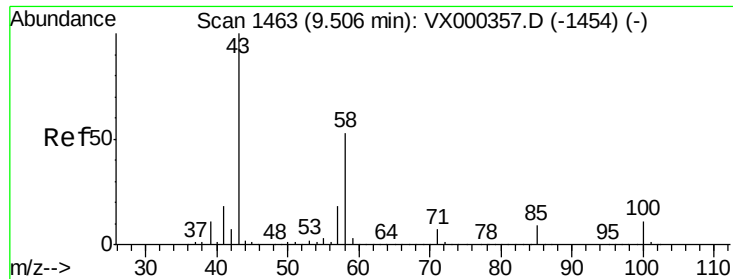
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 98.53 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion: 63 Resp: 112941
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.2 34.8





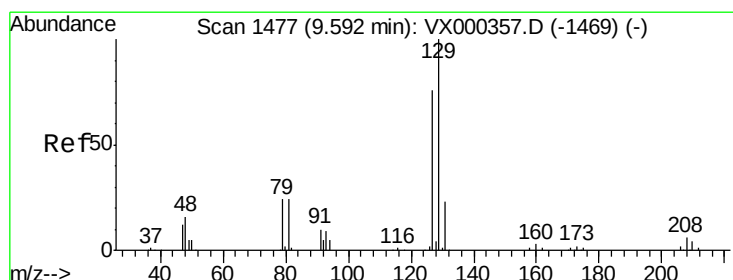
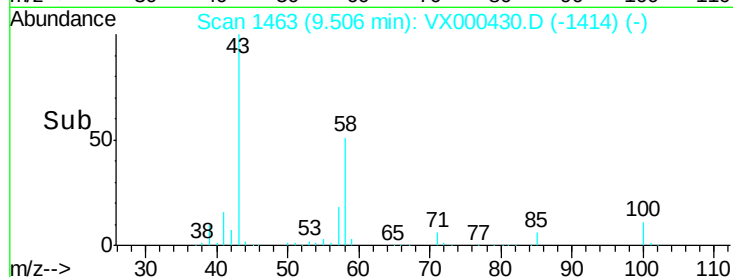
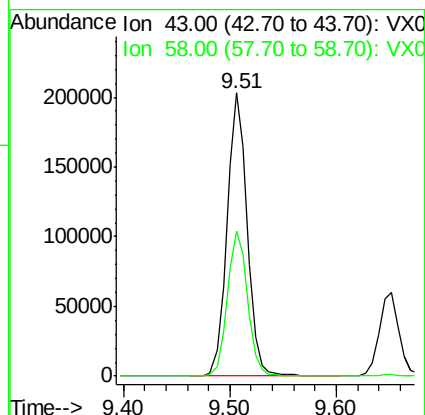
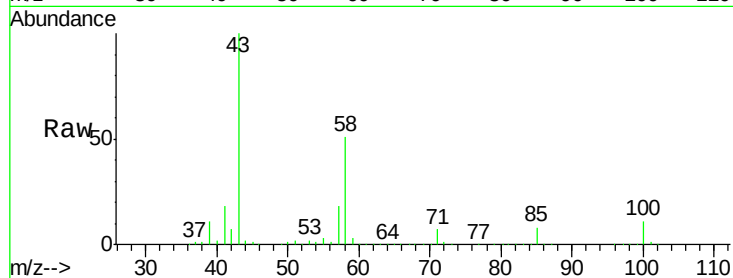
#59
2-Hexanone
Concen: 106.61 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBSD01

Tot Ion: 43 Resp: 268957
Ion Ratio Lower Upper
43 100
58 51.9 26.6 79.7

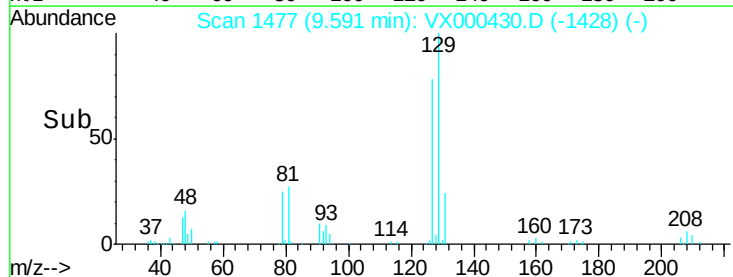
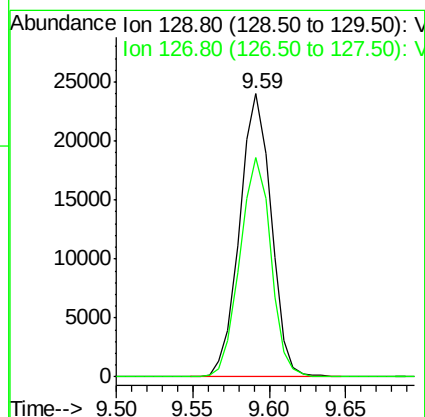
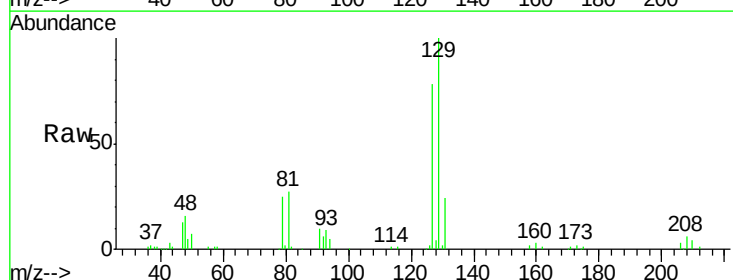
Manual Integrations
APPROVED

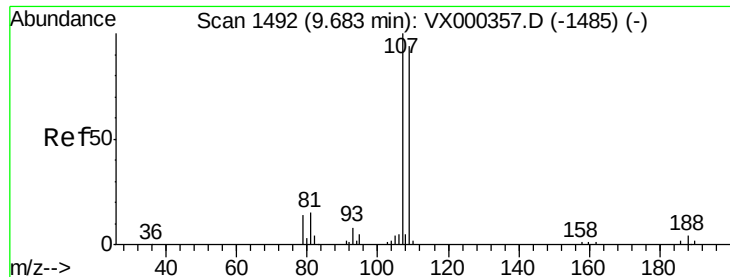
sam
3/26/2018 2:36:28 PM



#60
Dibromochloromethane
Concen: 21.05 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion: 129 Resp: 34426
Ion Ratio Lower Upper
129 100
127 76.1 37.9 113.6





#61

1,2-Dibromoethane

Concen: 20.35 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion:107 Resp: 34399

Ion Ratio Lower Upper

107 100

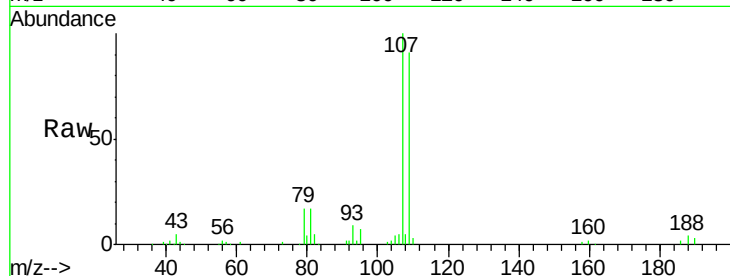
109 95.3 76.1 114.1

Manual Integrations

APPROVED

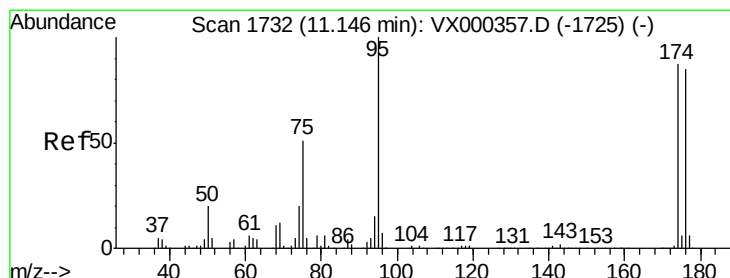
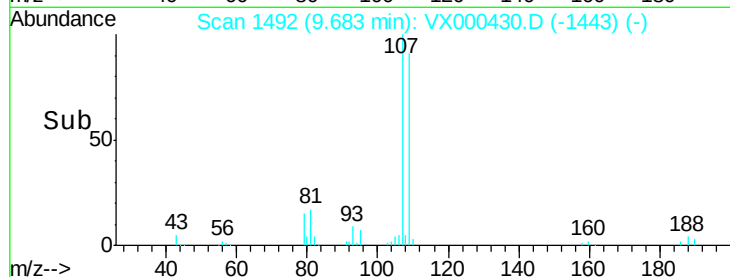
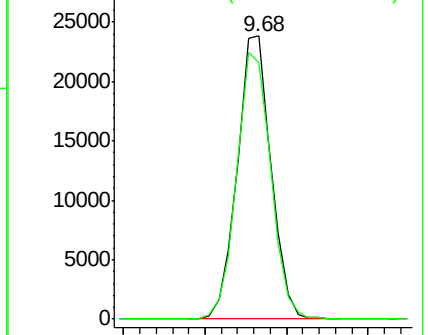
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.70 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

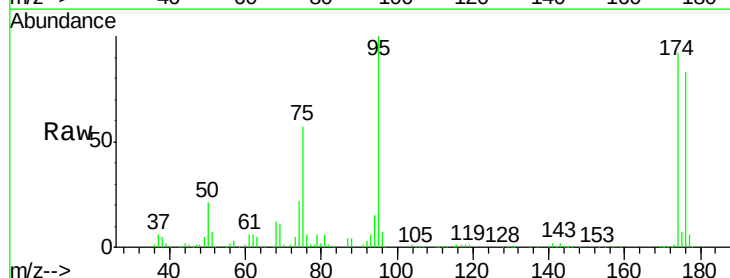
Tgt Ion: 95 Resp: 97699

Ion Ratio Lower Upper

95 100

174 92.9 0.0 173.6

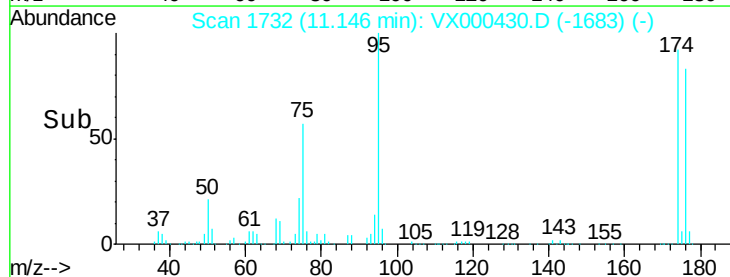
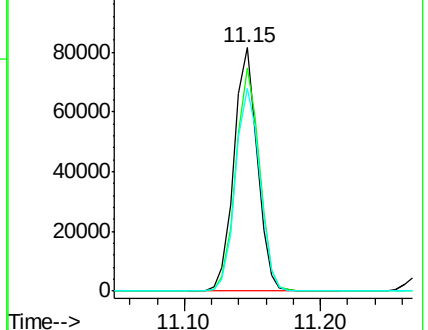
176 86.8 0.0 164.6

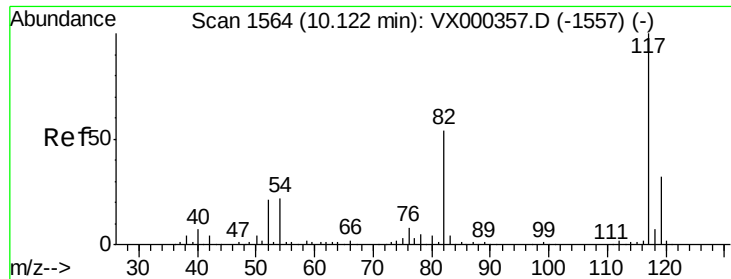


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





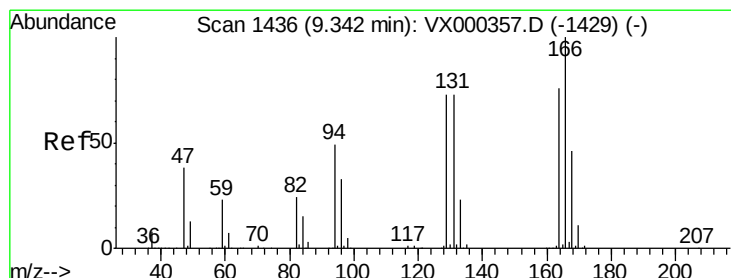
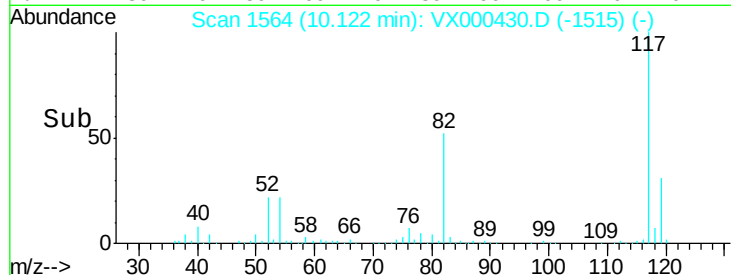
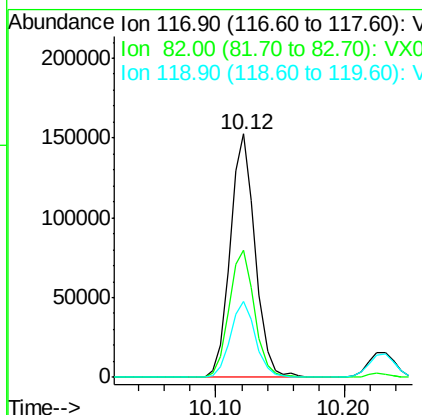
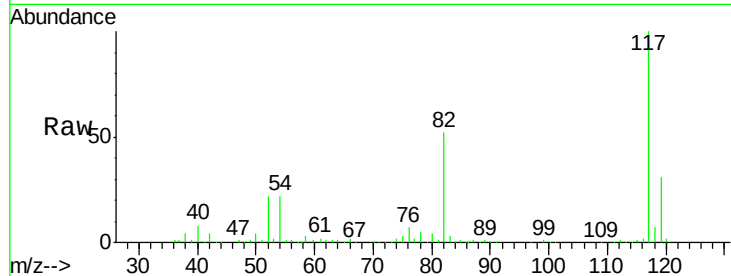
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.8	65.8
119	31.1	24.9	37.3

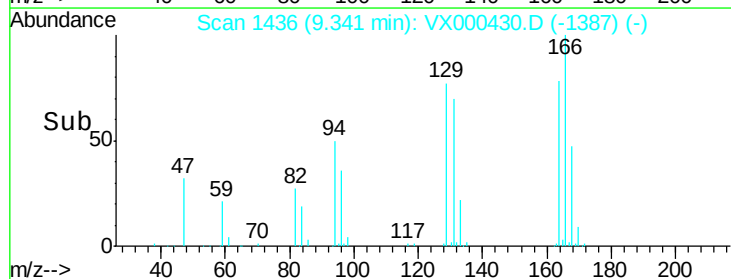
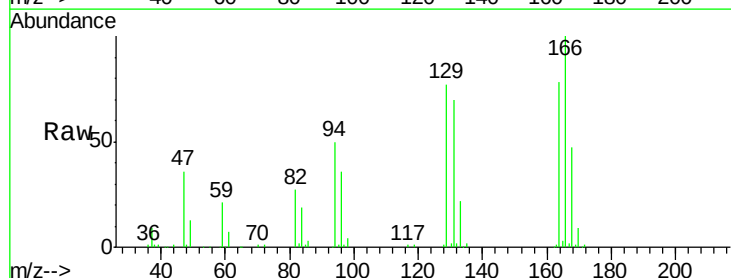
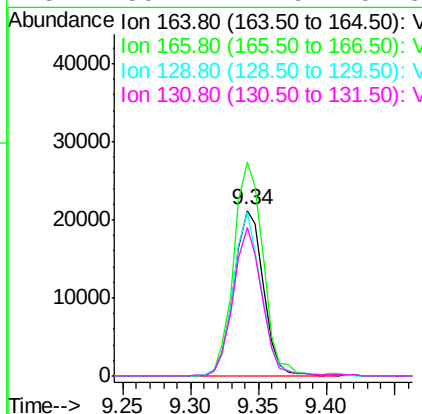
Manual Integrations
APPROVED

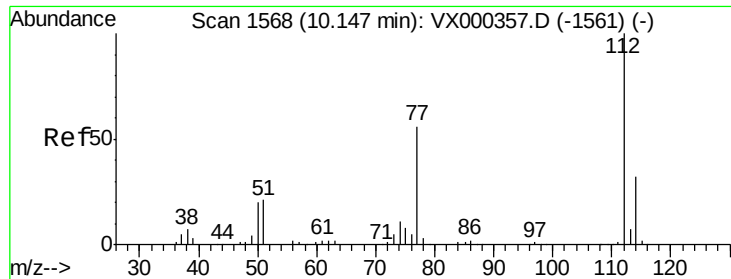
sam
3/26/2018 2:36:28 PM



#64
Tetrachloroethene
Concen: 20.13 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.0	151.6
129	98.6	79.0	118.4
131	89.7	71.9	107.9





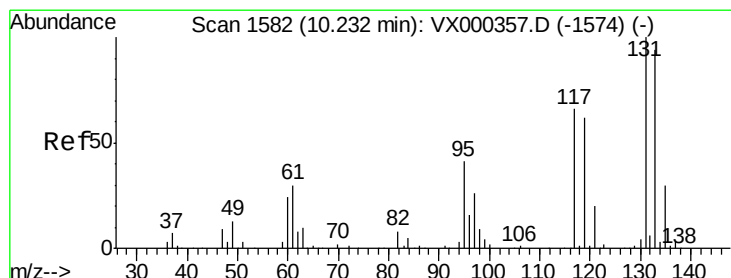
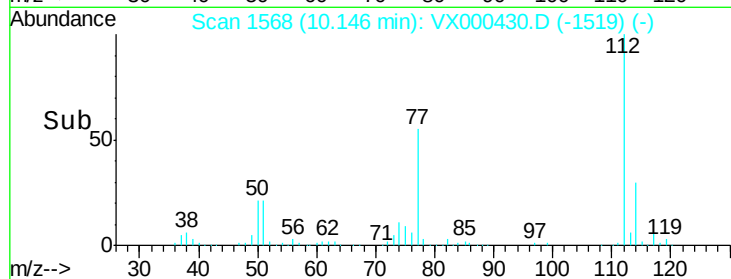
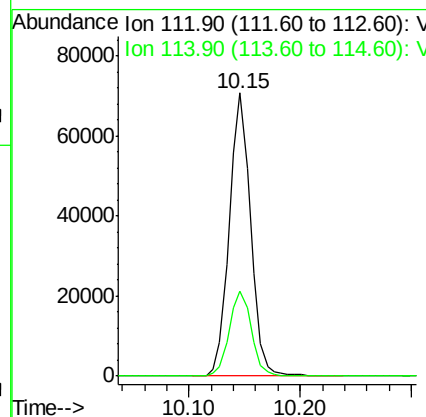
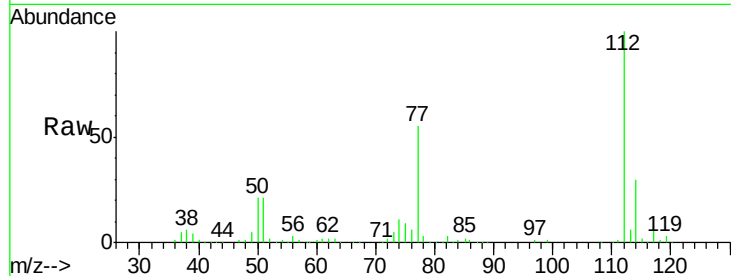
#65
Chlorobenzene
Concen: 20.43 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampled :
VX0323WBSD01

Tot Ion:112 Resp: 93779
Ion Ratio Lower Upper
112 100
114 29.9 25.7 38.5

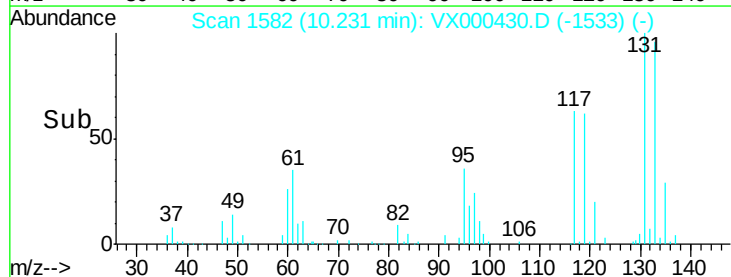
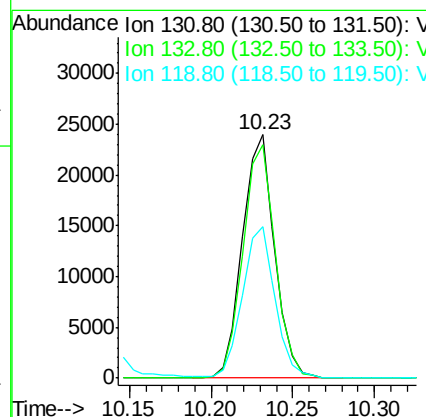
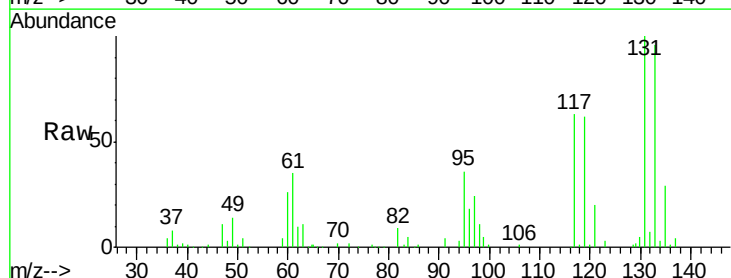
Manual Integrations
APPROVED

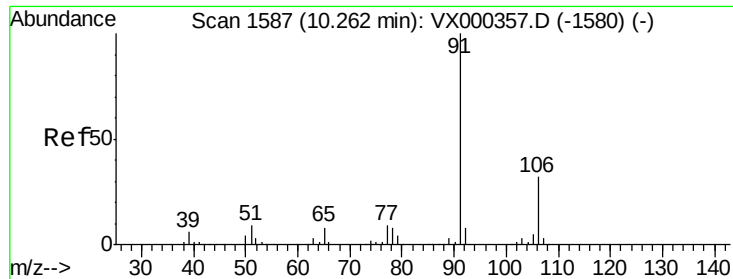
sam
3/26/2018 2:36:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.14 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion:131 Resp: 32956
Ion Ratio Lower Upper
131 100
133 96.0 47.1 141.3
119 63.1 33.1 99.2





#67

Ethyl Benzene

Concen: 20.78 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 91 Resp: 161725

Ion Ratio Lower Upper

91 100

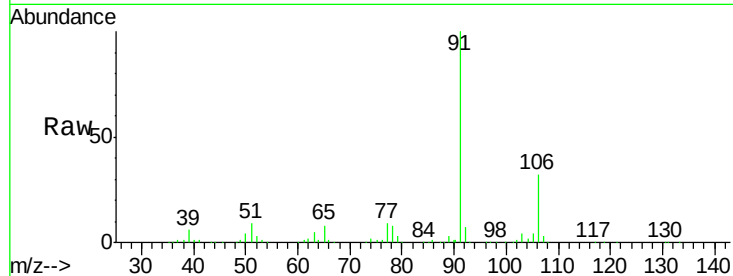
106 32.2 25.0 37.6

Manual Integrations

APPROVED

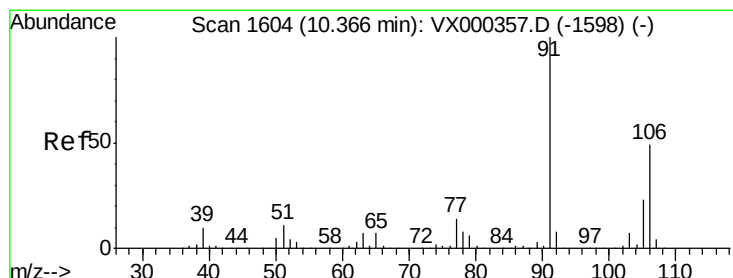
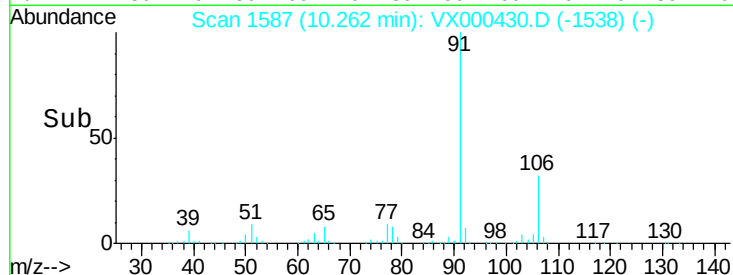
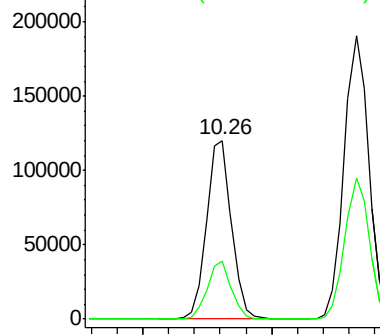
sam

3/26/2018 2:36:28 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.78 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000430.D

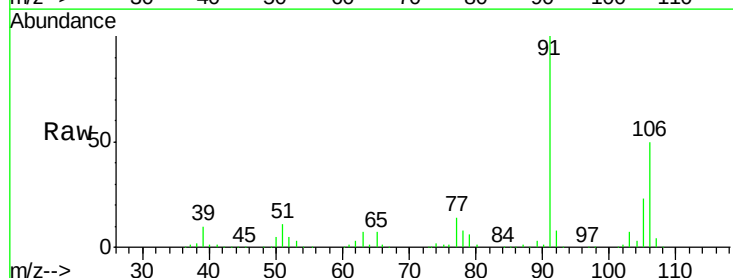
Acq: 23 Mar 2018 15:57

Tgt Ion: 106 Resp: 124880

Ion Ratio Lower Upper

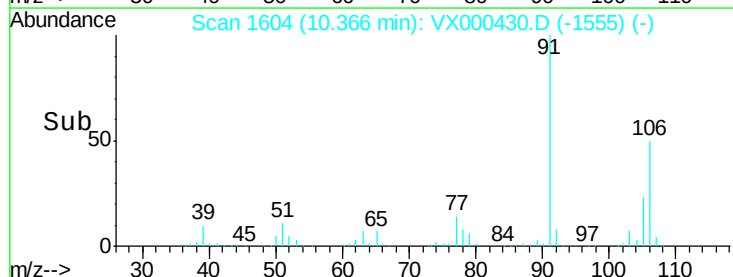
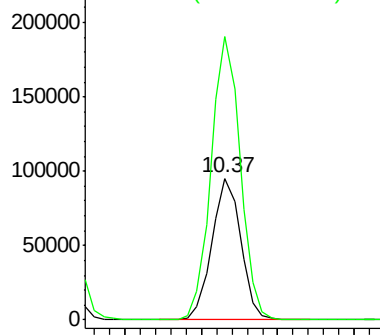
106 100

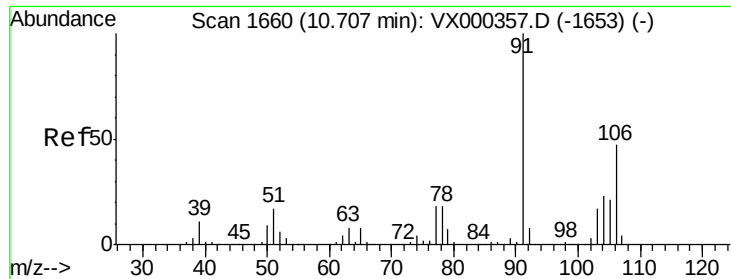
91 202.3 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





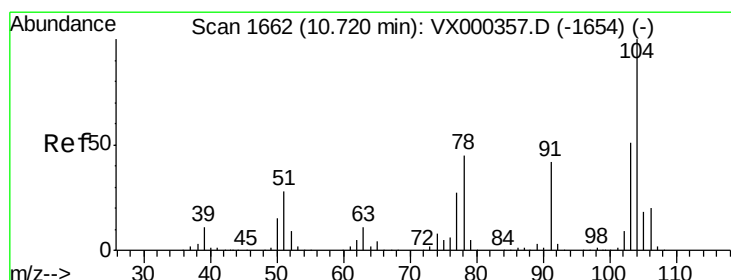
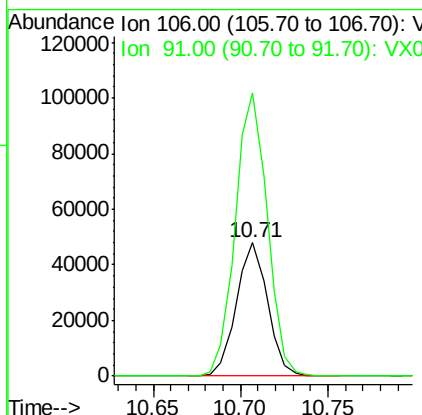
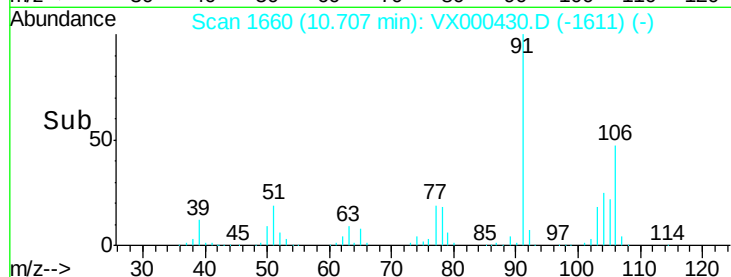
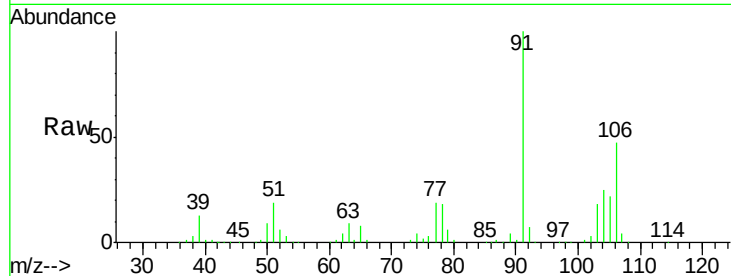
#69
o-Xylene
Concen: 20.15 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBSD01

Tot Ion:106 Resp: 59730
Ion Ratio Lower Upper
106 100
91 217.2 106.5 319.6

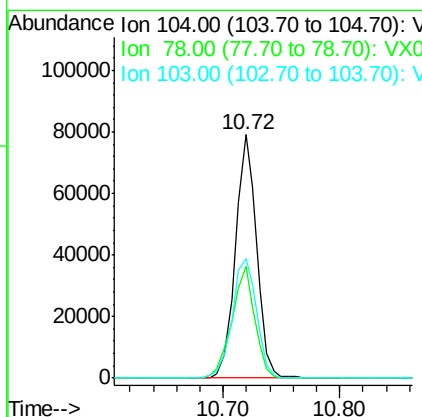
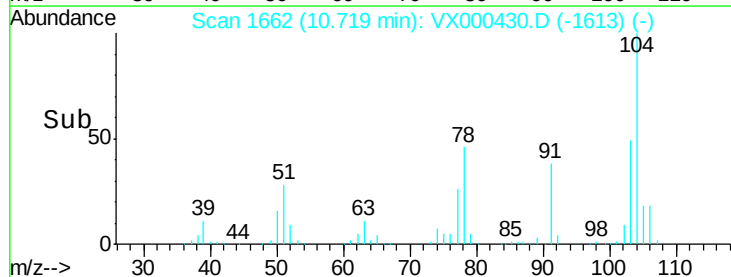
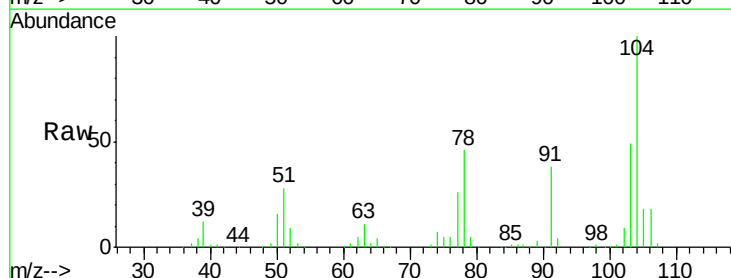
Manual Integrations
APPROVED

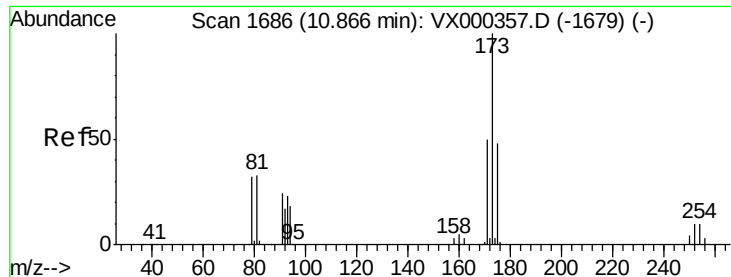
sam
3/26/2018 2:36:28 PM



#70
Styrene
Concen: 20.42 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion:104 Resp: 100194
Ion Ratio Lower Upper
104 100
78 49.6 40.5 60.7
103 56.2 45.7 68.5





#71

Bromoform

Concen: 19.65 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion:173 Resp: 26725

Ion Ratio Lower Upper

173 100

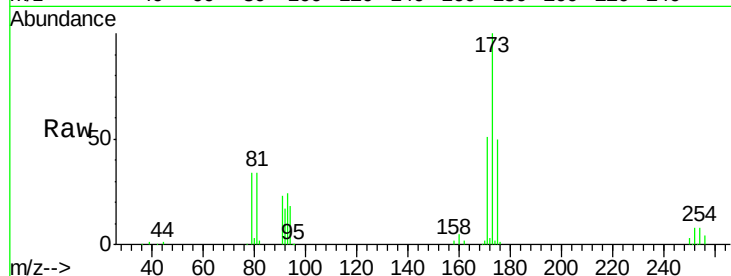
175 48.9 25.4 76.4

254 0.0 0.0 0.0

Manual Integrations
APPROVED

sam

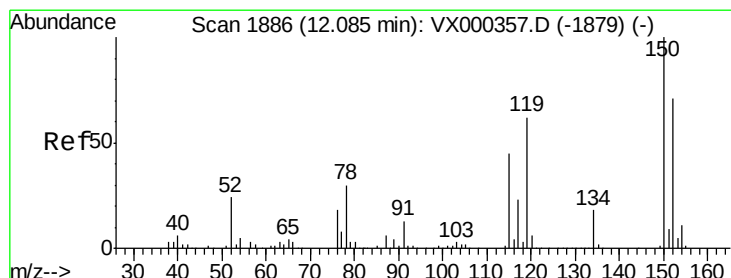
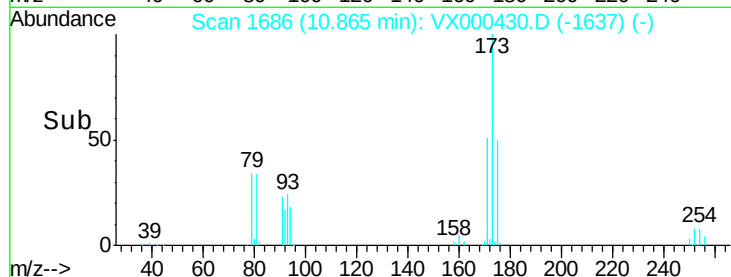
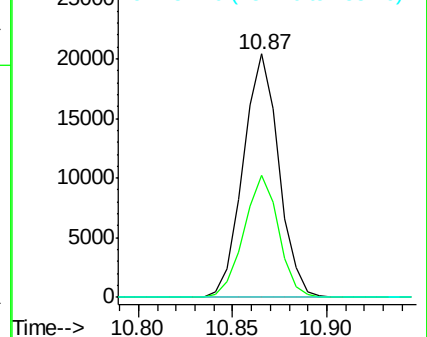
3/26/2018 2:36:28 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

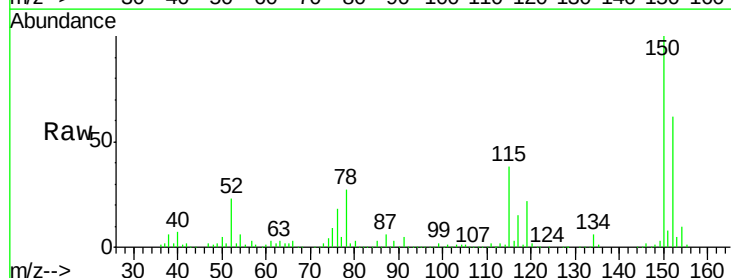
Tgt Ion:152 Resp: 113727

Ion Ratio Lower Upper

152 100

115 67.9 39.8 119.3

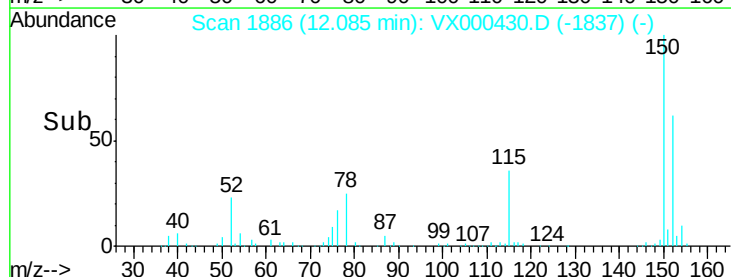
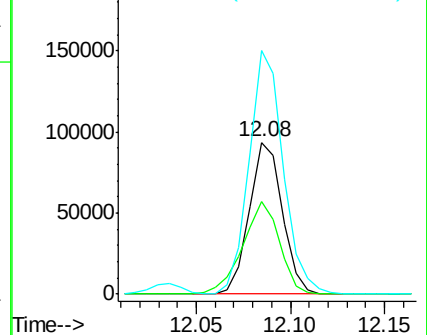
150 166.6 0.0 344.4

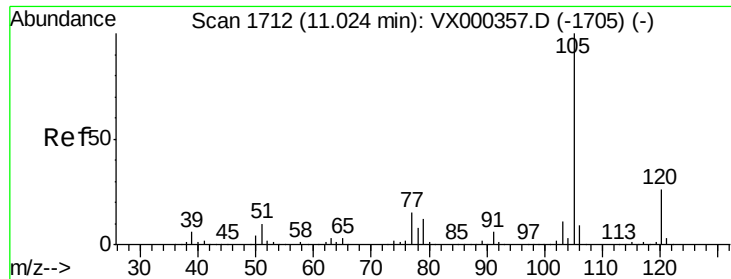


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.98 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 105 Resp: 165652

Ion Ratio Lower Upper

105 100

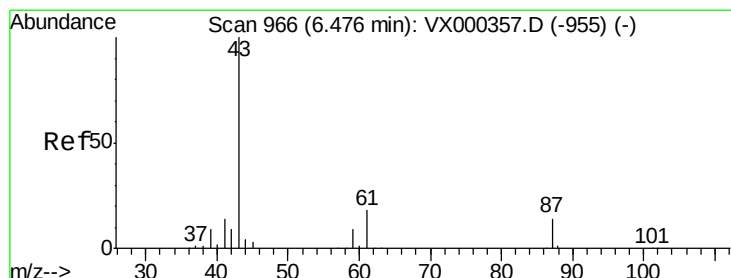
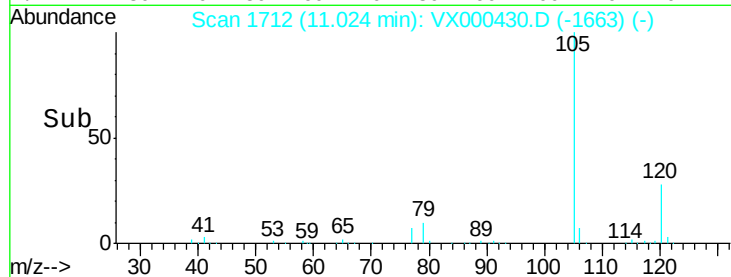
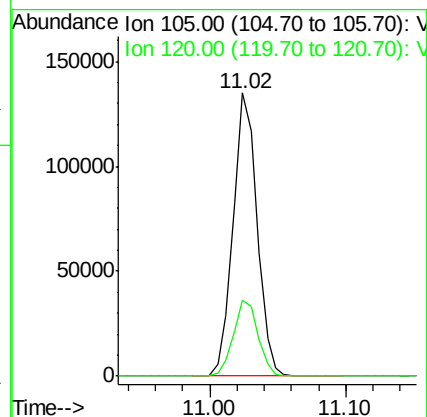
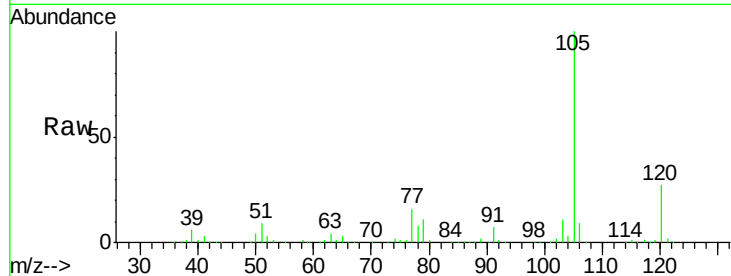
120 27.7 13.6 40.7

Manual Integrations

APPROVED

sam

3/26/2018 2:36:28 PM



#74

N-ethyl acetate

Concen: 22.26 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tgt Ion: 43 Resp: 79114

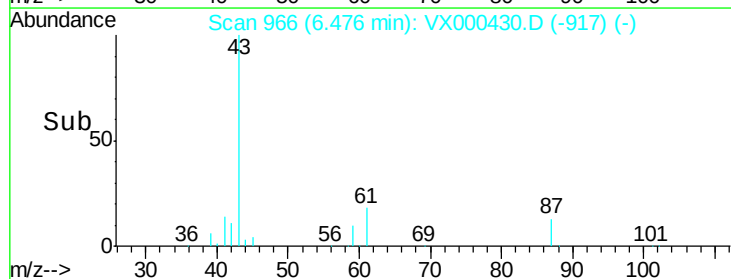
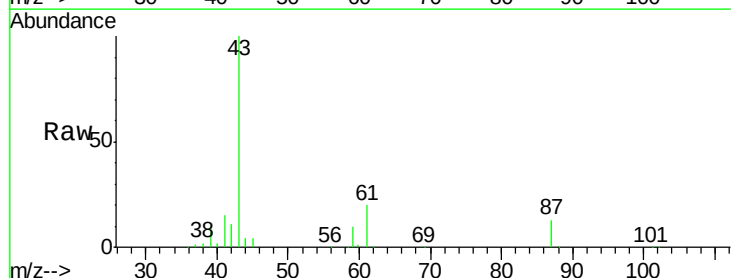
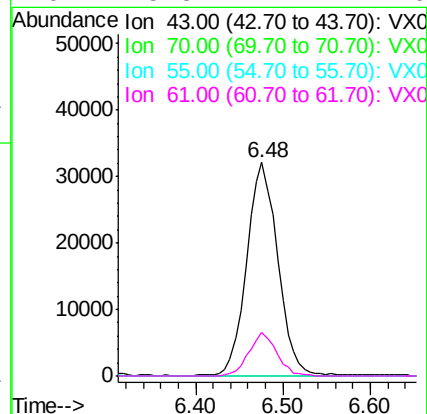
Ion Ratio Lower Upper

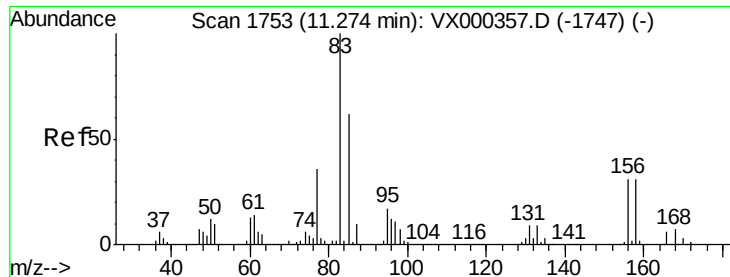
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.3 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.52 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

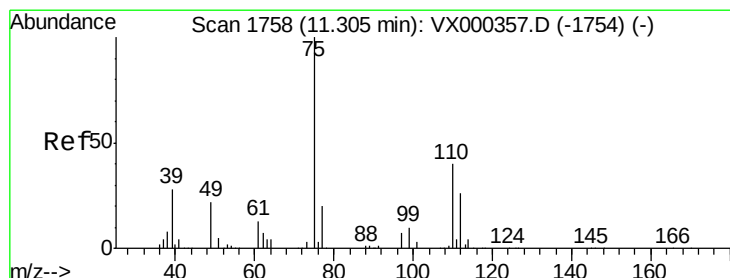
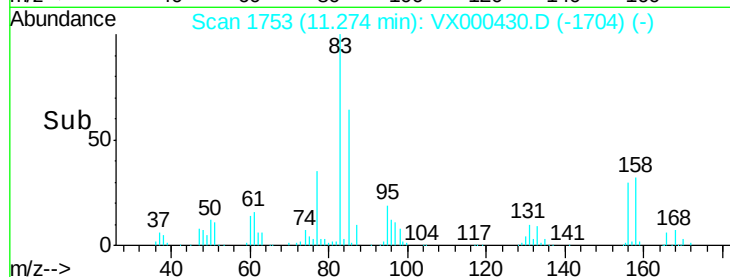
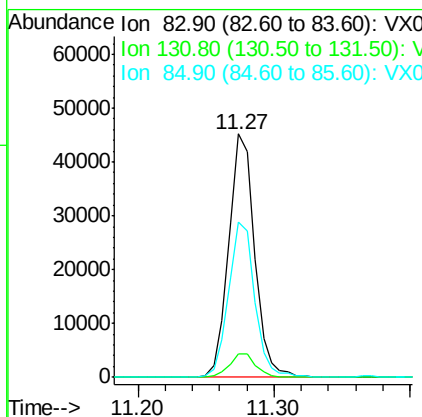
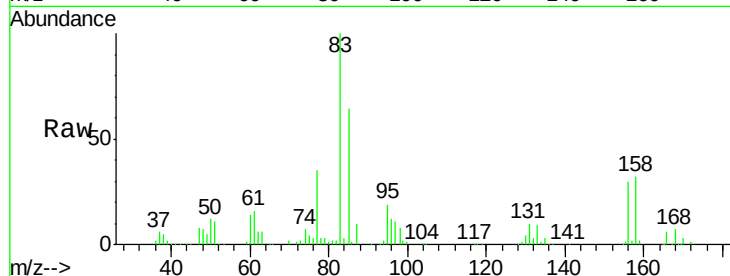
ClientSampleId :

VX0323WBSD01

Tot Ion:	83	Resp:	60033
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	64.6	32.5	97.5

Manual Integrations
APPROVED

sam
3/26/2018 2:36:28 PM



#76

1,2,3-Trichloropropane

Concen: 21.83 ug/l m

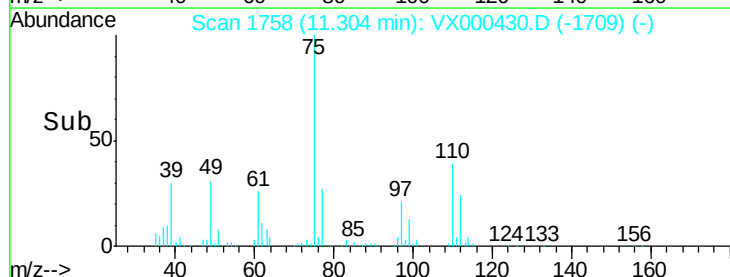
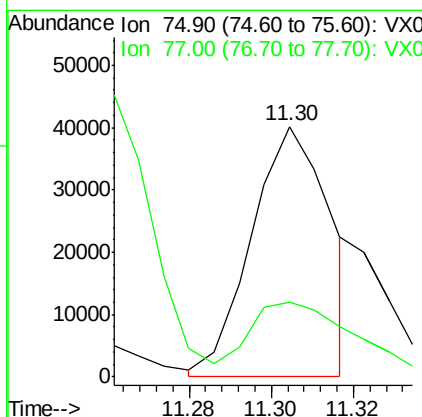
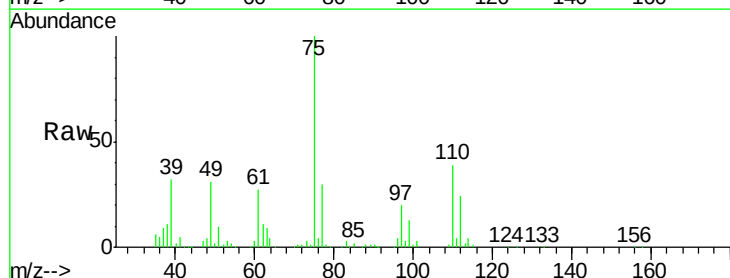
RT: 11.30 min Scan# 1758

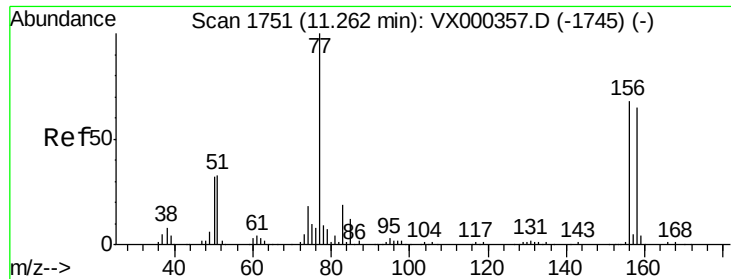
Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tgt Ion:	75	Resp:	53362
Ion	Ratio	Lower	Upper
75	100		
77	40.4	21.4	64.2





#77

Bromobenzene

Concen: 21.05 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion:156 Resp: 42263

Ion Ratio Lower Upper

156 100

77 140.6 73.4 220.2

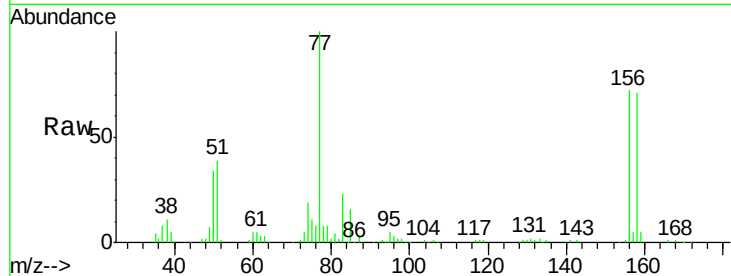
158 97.2 48.5 145.6

Manual Integrations

APPROVED

sam

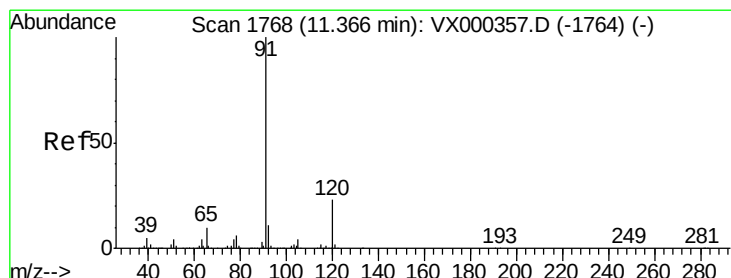
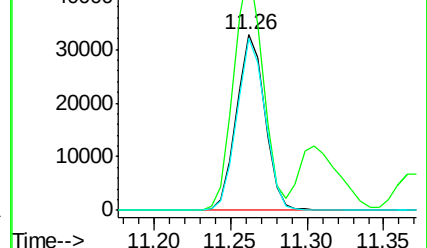
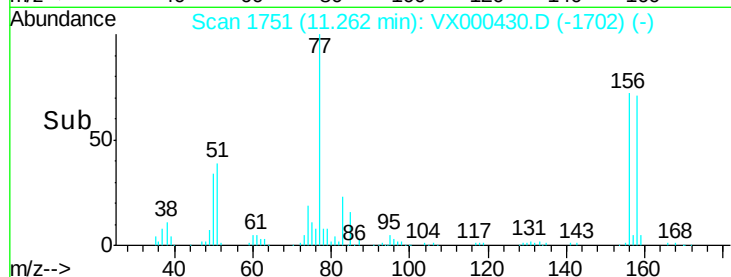
3/26/2018 2:36:28 PM



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: 21.78 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000430.D

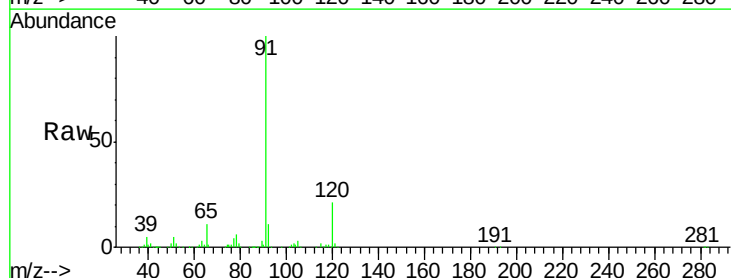
Acq: 23 Mar 2018 15:57

Tgt Ion: 91 Resp: 195652

Ion Ratio Lower Upper

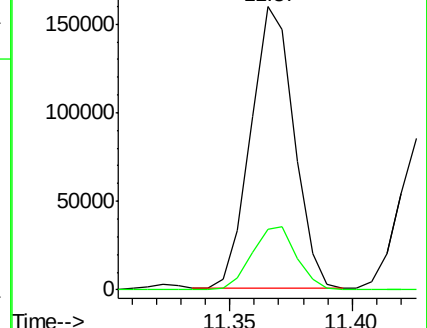
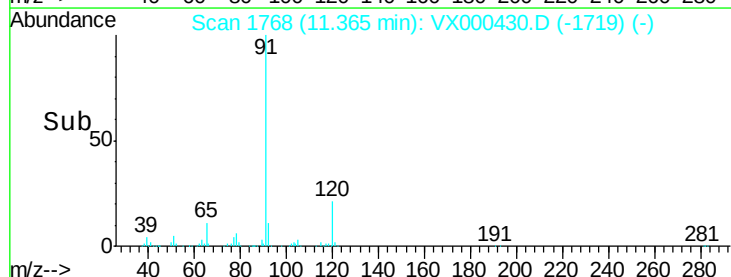
91 100

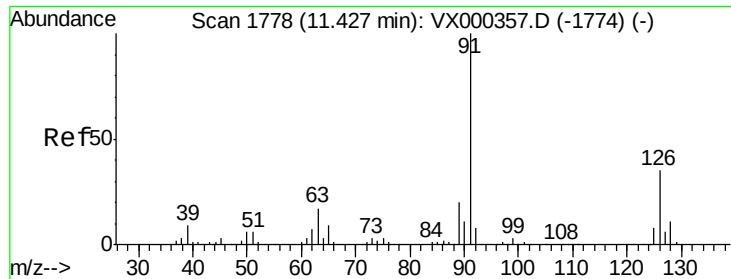
120 23.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.28 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 91 Resp: 110468

Ion Ratio Lower Upper

91 100

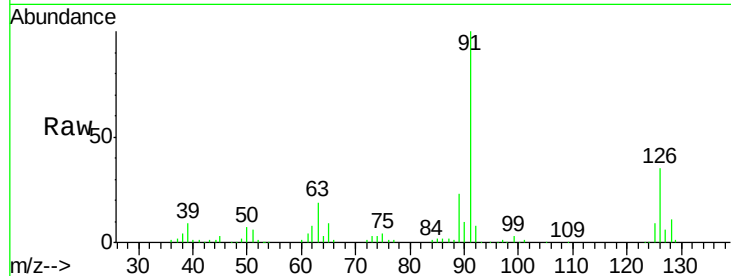
126 35.8 17.7 53.1

Manual Integrations

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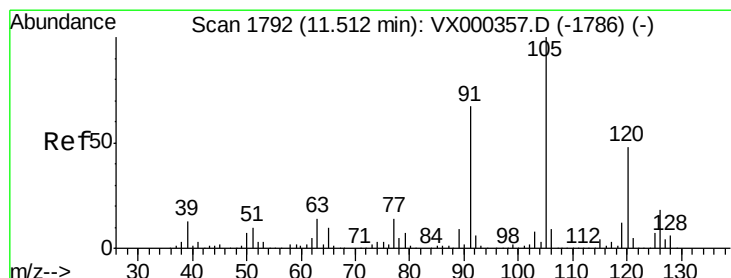
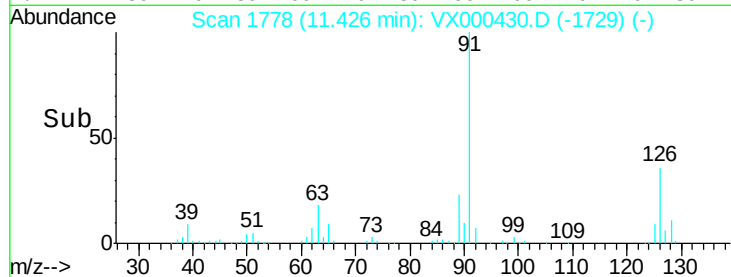
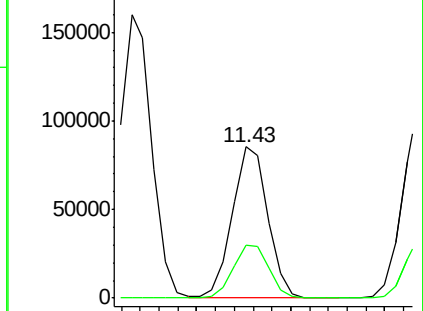
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.17 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000430.D

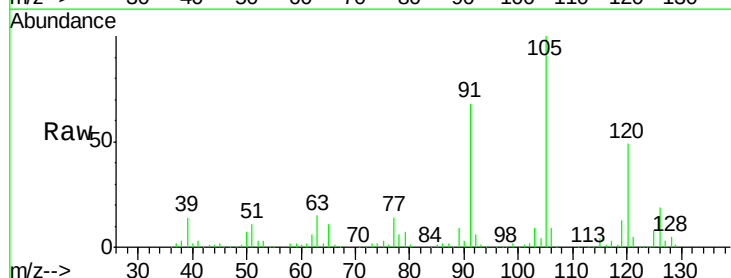
Acq: 23 Mar 2018 15:57

Tgt Ion: 105 Resp: 140442

Ion Ratio Lower Upper

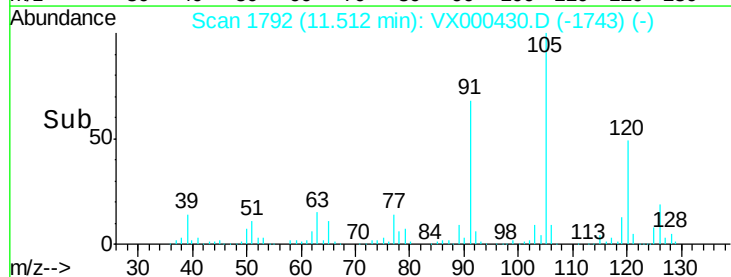
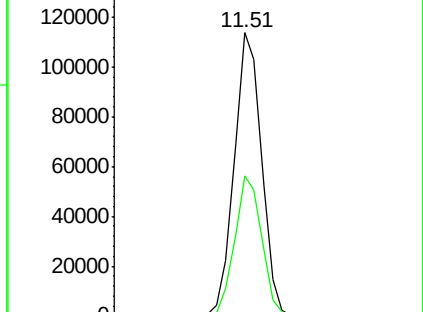
105 100

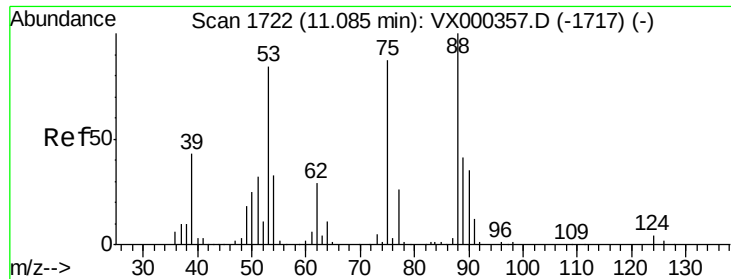
120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.75 ug/l

RT: 11.08 min Scan# 1722

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion: 75 Resp: 15665

Ion Ratio Lower Upper

75 100

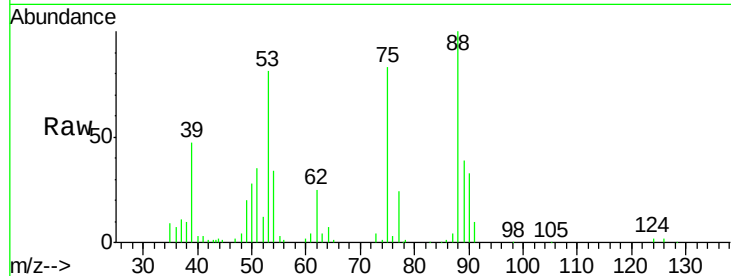
53 110.4 80.7 121.1

89 49.1 39.4 59.0

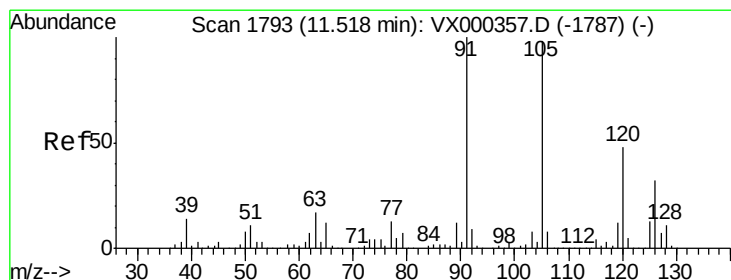
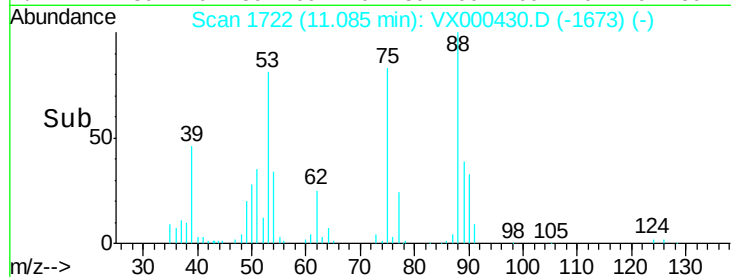
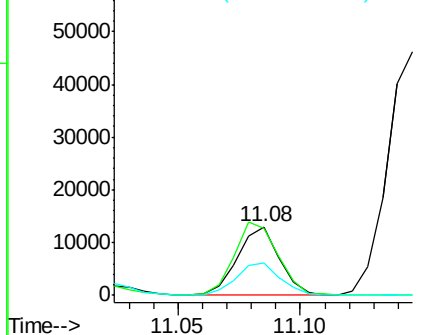
Manual Integrations
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sam

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



#82

4-Chlorotoluene

Concen: 21.27 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX000430.D

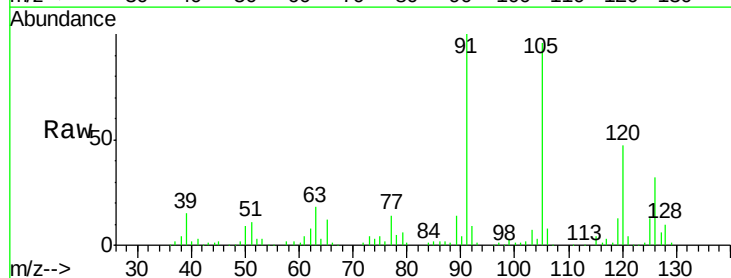
Acq: 23 Mar 2018 15:57

Tgt Ion: 91 Resp: 131819

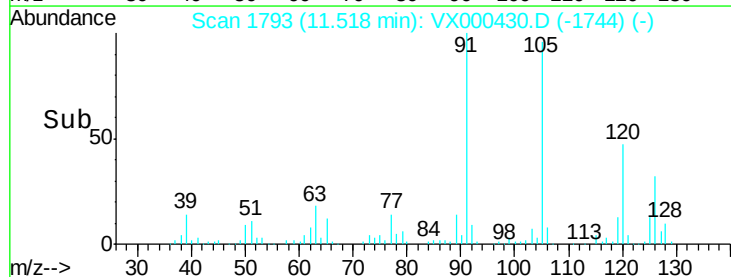
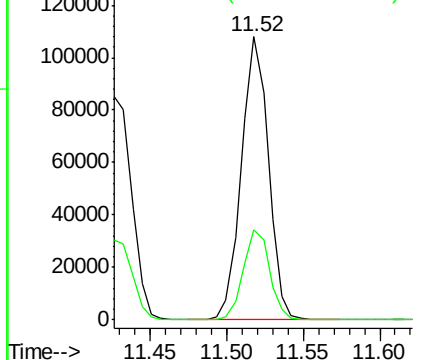
Ion Ratio Lower Upper

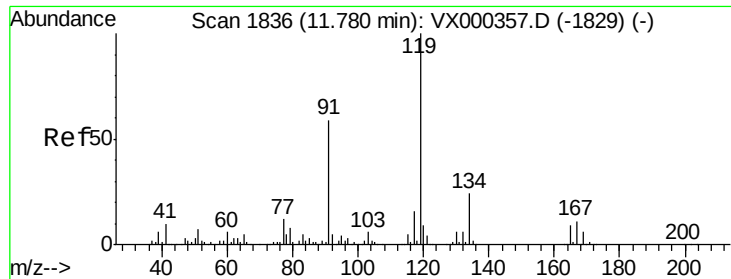
91 100

126 31.2 15.4 46.1



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





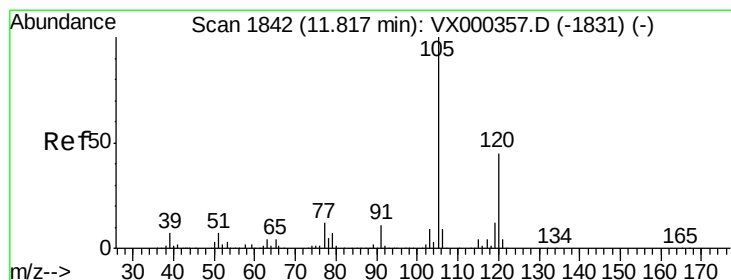
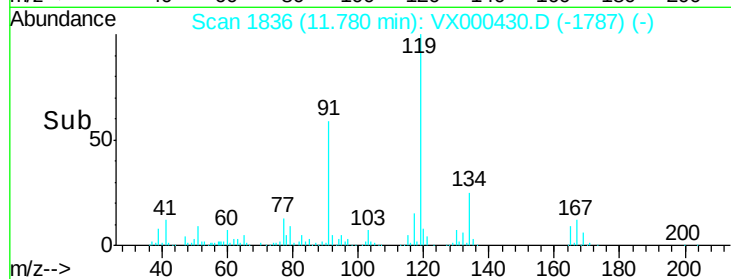
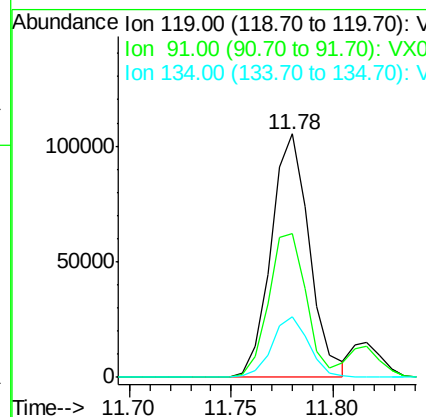
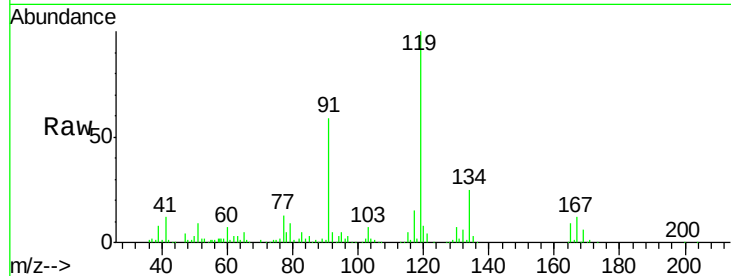
#83
 tert-Butylbenzene
 Concen: 21.62 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138161		
91	57.8	28.8	86.4	
134	23.7	11.4	34.1	

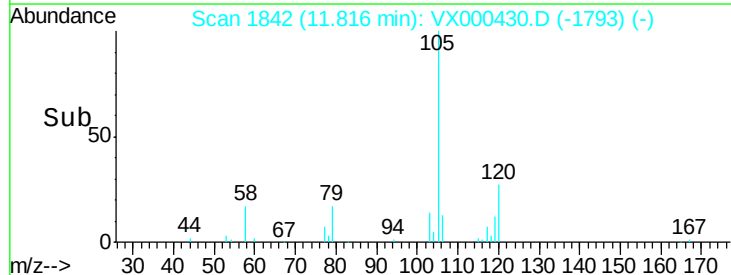
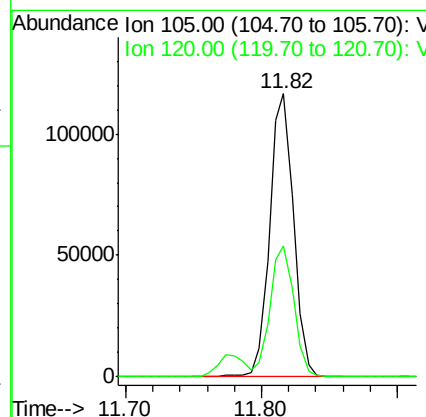
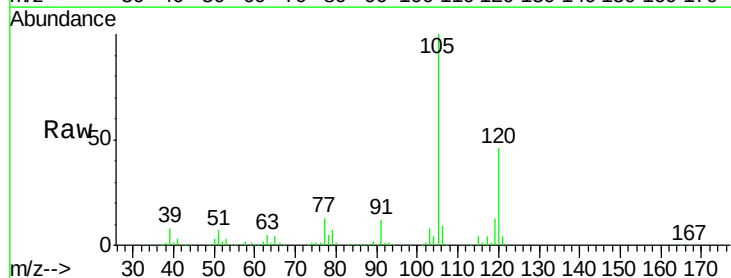
Manual Integrations
 APPROVED

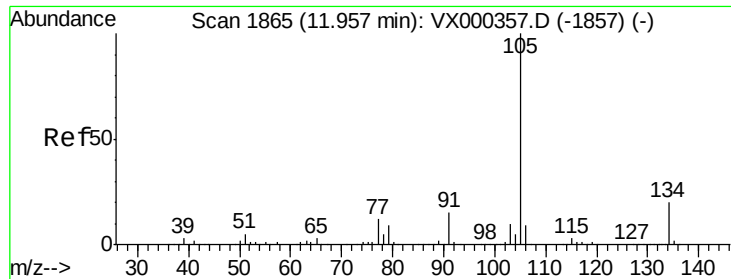
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.66 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143897		
120	46.5	22.4	67.3	





#85

sec-Butylbenzene

Concen: 22.26 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

ClientSampleId :

VX0323WBSD01

Tot Ion:105 Resp: 175981

Ion Ratio Lower Upper

105 100

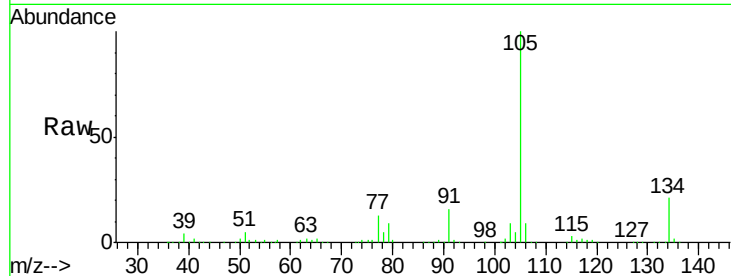
134 20.3 10.3 30.8

Manual Integrations

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sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.96

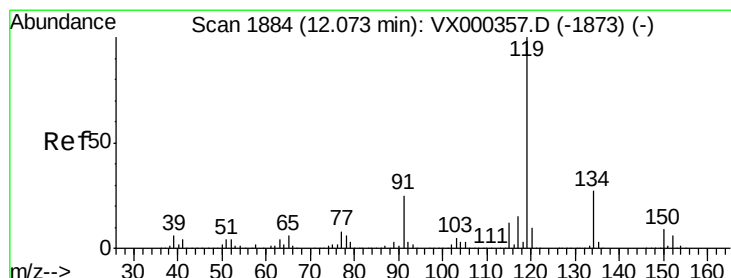
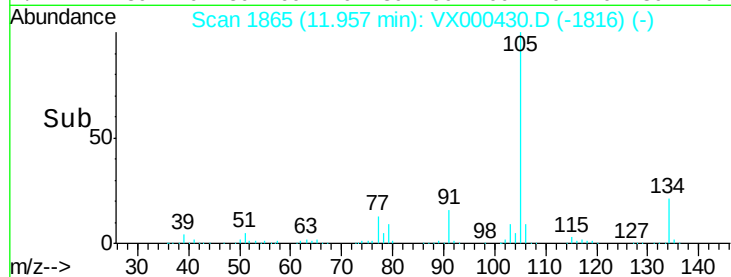
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.82 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

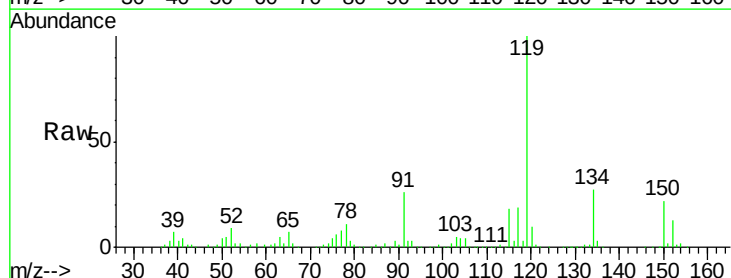
Tgt Ion:119 Resp: 153191

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 25.9 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): VX0

12.07

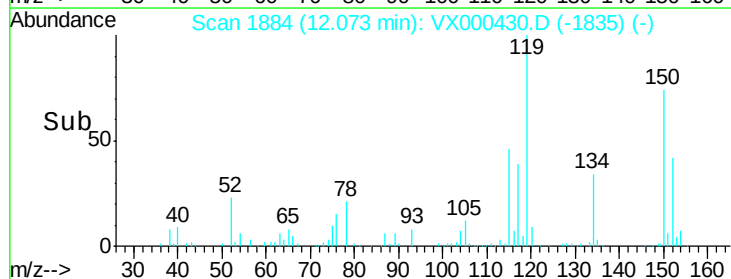
150000

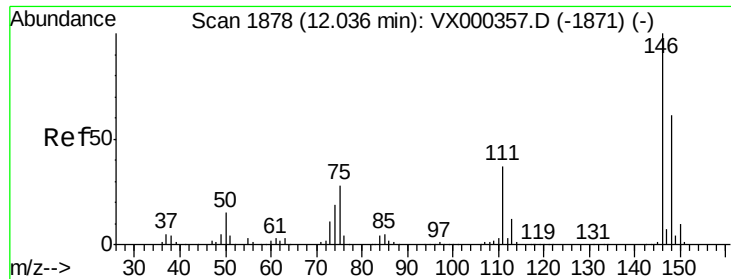
100000

50000

0

Time-->





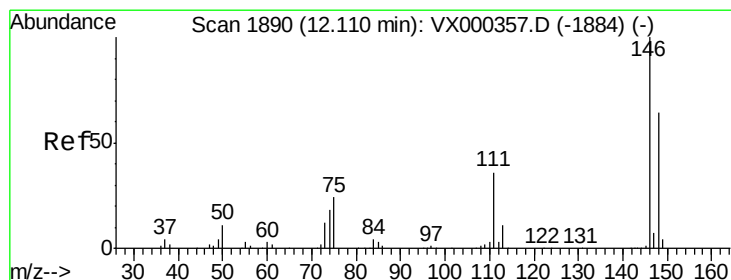
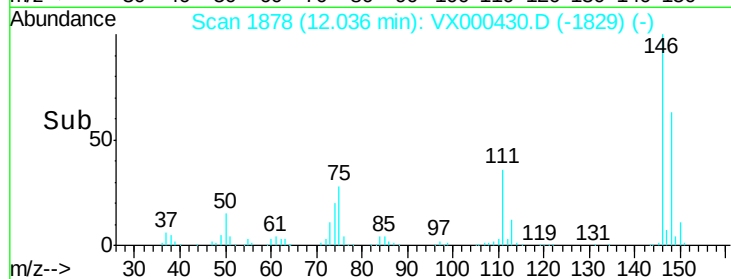
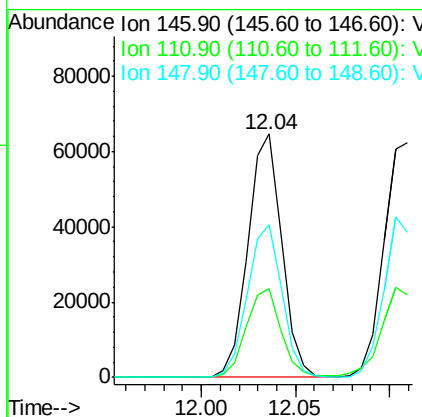
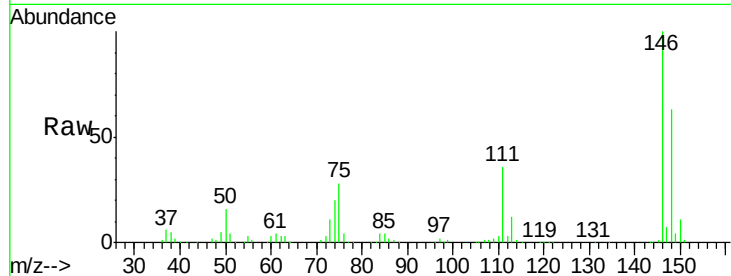
#87
 1,3-Dichlorobenzene
 Concen: 21.18 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.5	58.5
148	63.6	32.4	97.0

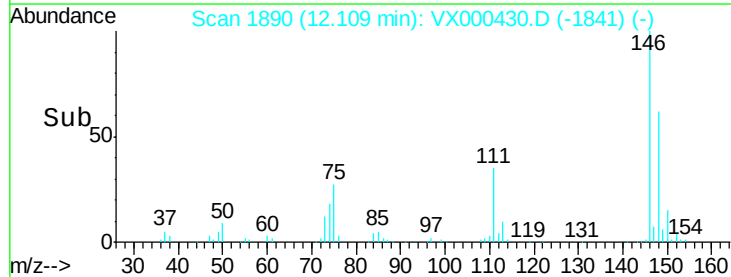
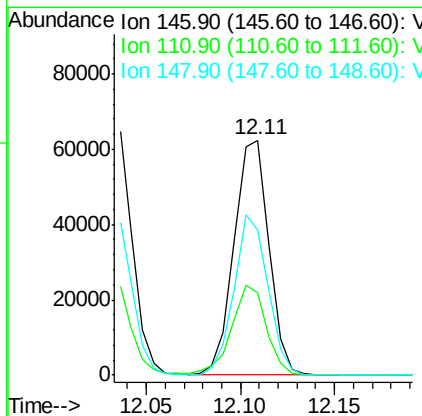
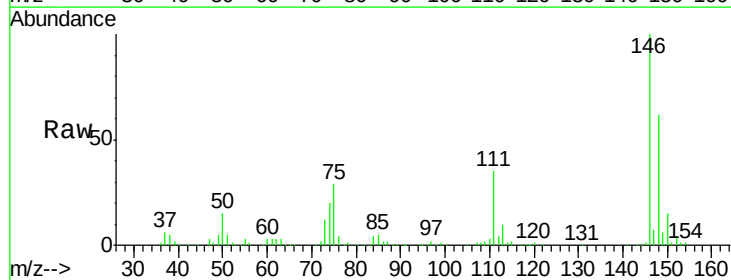
Manual Integrations
 APPROVED

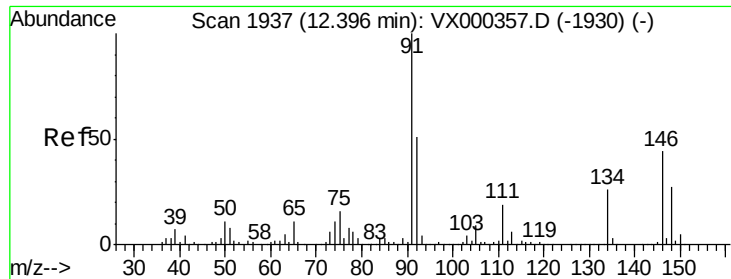
sam
 3/26/2018 2:36:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	65.9	31.0	93.0





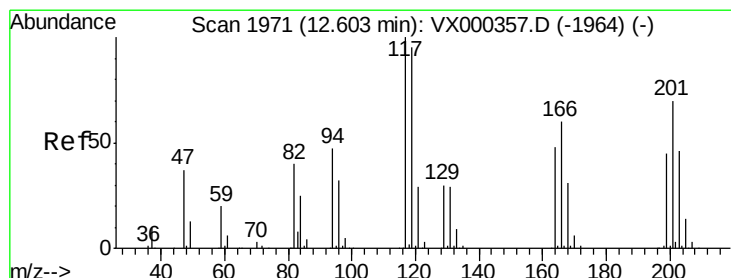
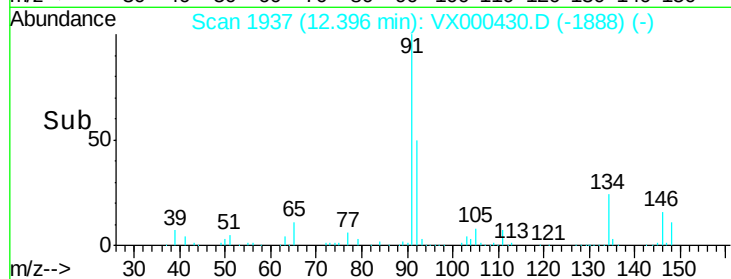
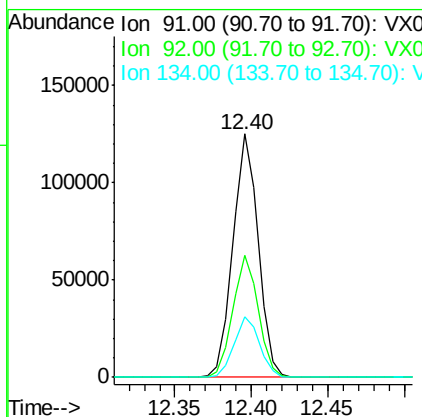
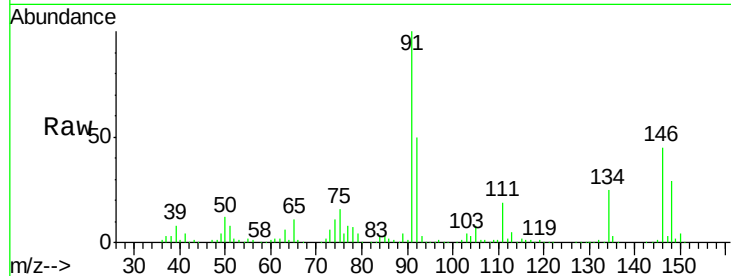
#89
n-Butylbenzene
Concen: 21.85 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Instrument :
MSVOA_X
ClientSampleId :
VX0323WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	25.9	77.8
134	25.1	13.1	39.3

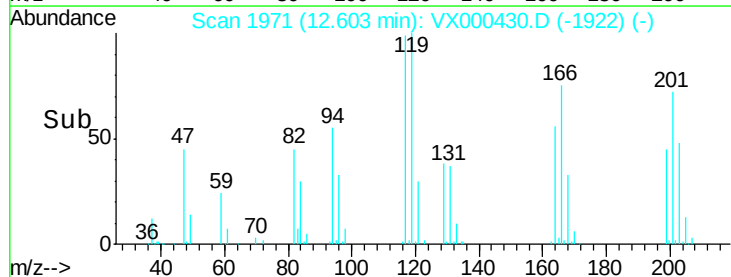
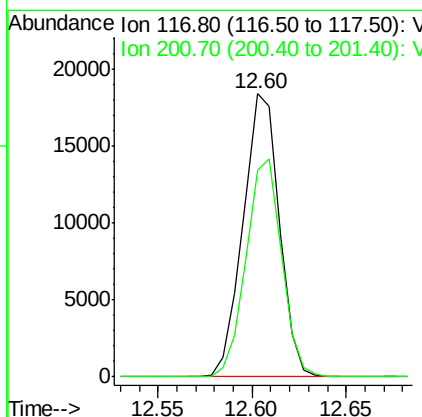
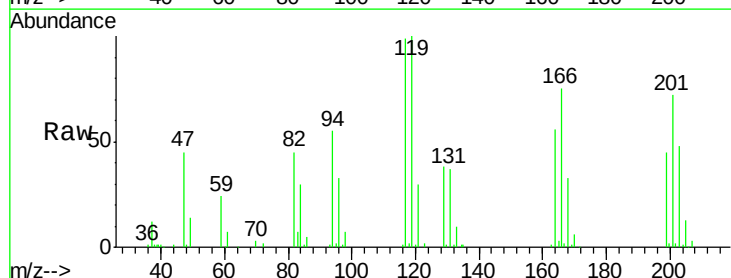
Manual Integrations
APPROVED

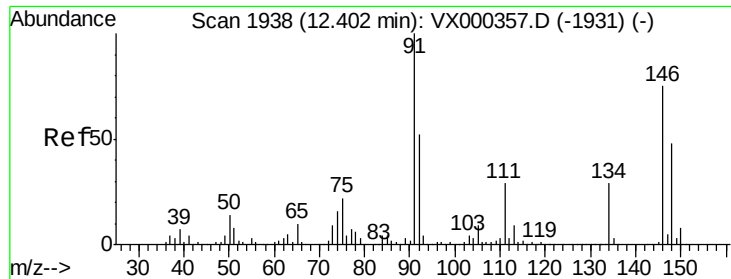
sam
3/26/2018 2:36:28 PM



#90
Hexachloroethane
Concen: 22.26 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000430.D
Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.6	37.9	113.6





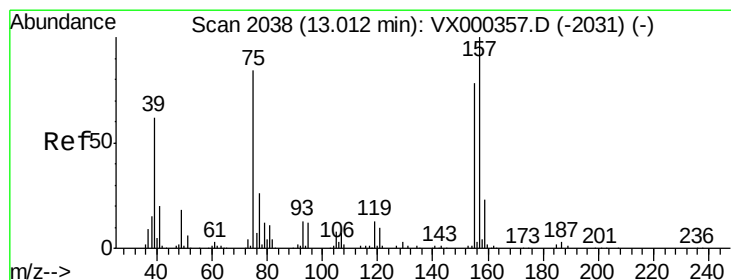
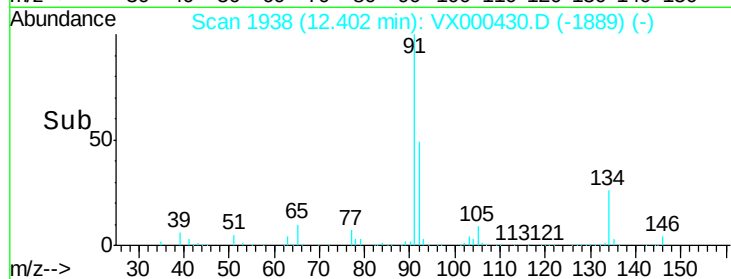
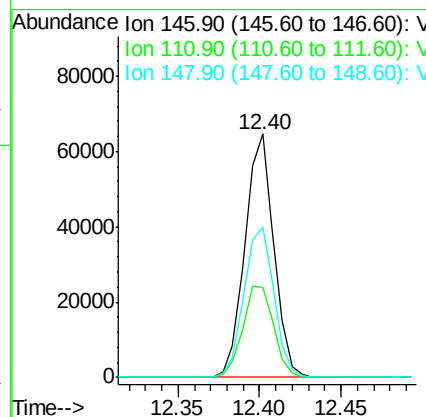
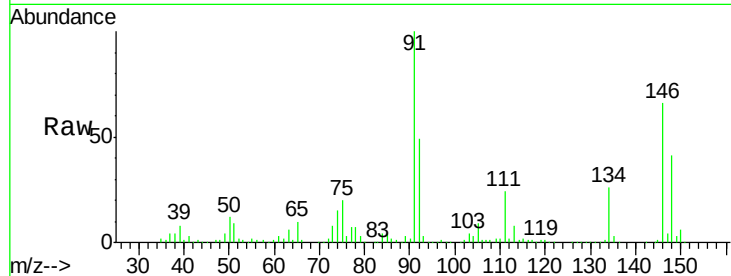
#91
 1,2-Dichlorobenzene
 Concen: 21.42 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	64.3	31.2	93.6

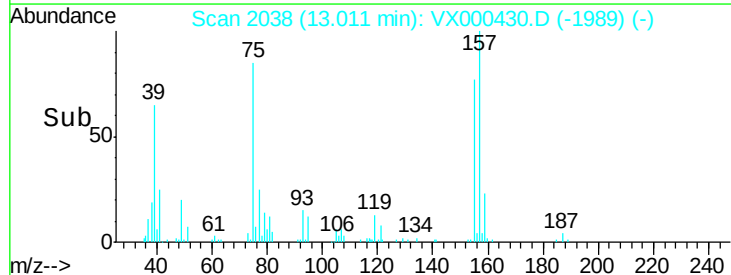
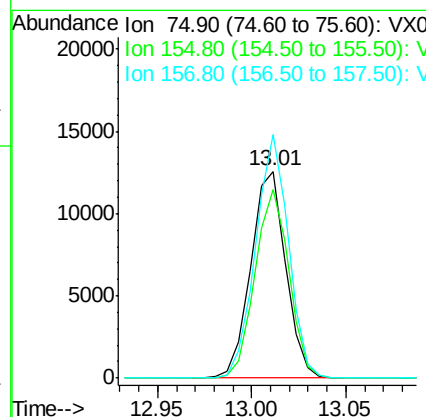
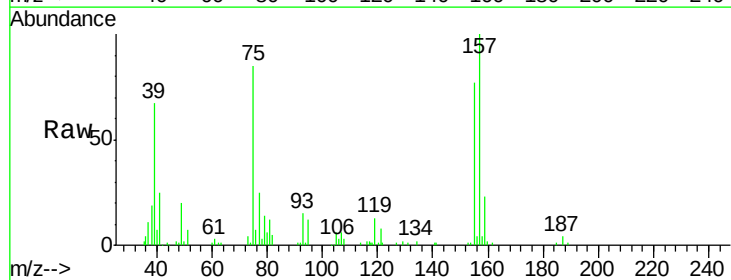
Manual Integrations
 APPROVED

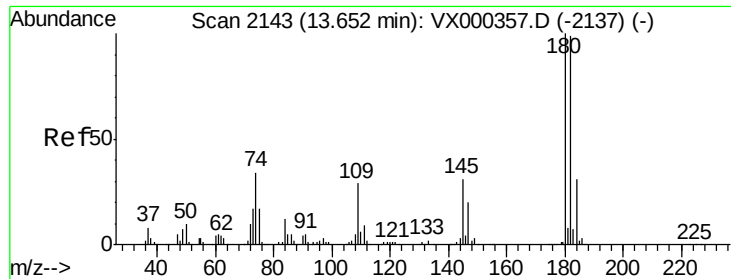
sam
 3/26/2018 2:36:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.71 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	45.0	134.8
157	110.6	58.1	174.2





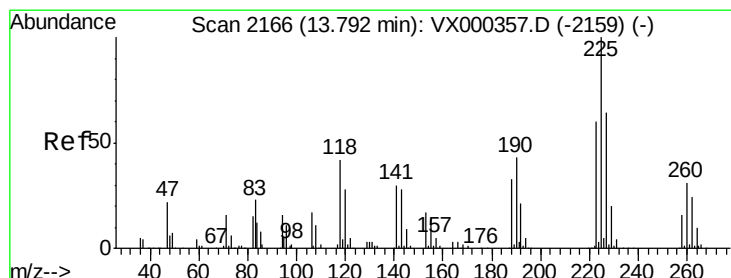
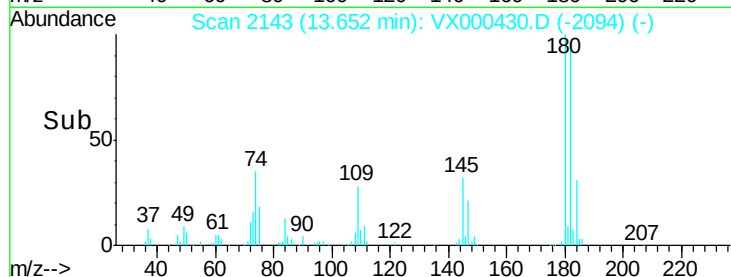
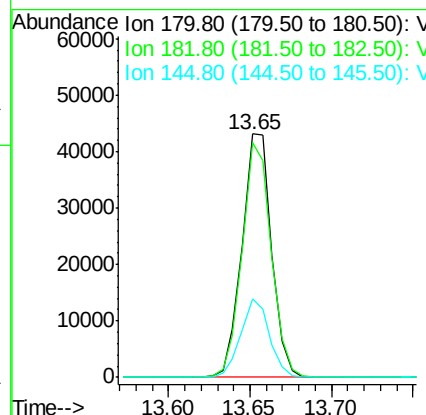
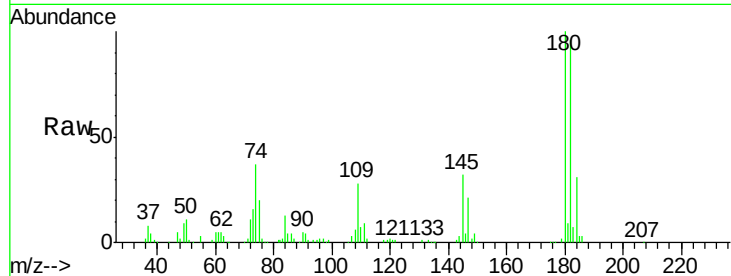
#93
 1,2,4-Trichlorobenzene
 Concen: 20.45 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.9
145	31.3	15.1	45.3

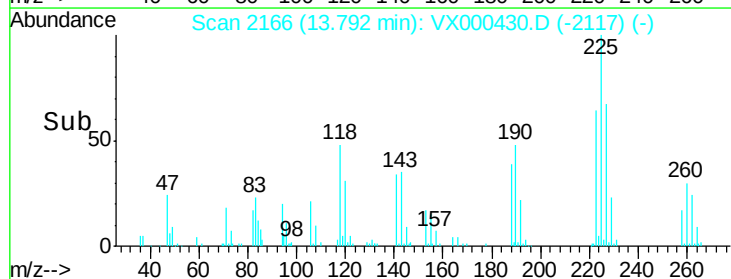
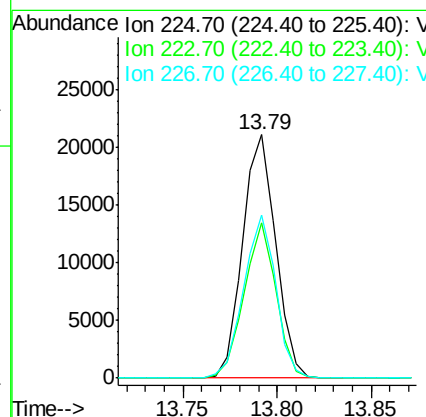
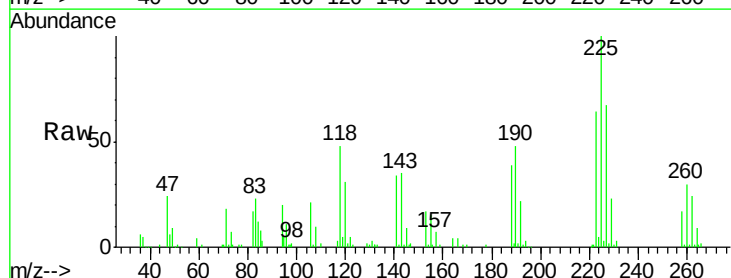
Manual Integrations
 APPROVED

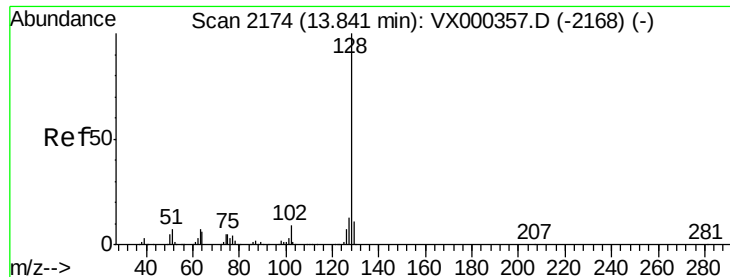
sam
 3/26/2018 2:36:28 PM



#94
 Hexachlorobutadiene
 Concen: 23.23 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000430.D
 Acq: 23 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.0	96.0
227	65.1	32.6	98.0





#95

Naphthalene

Concen: 21.55 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Instrument :

MSVOA_X

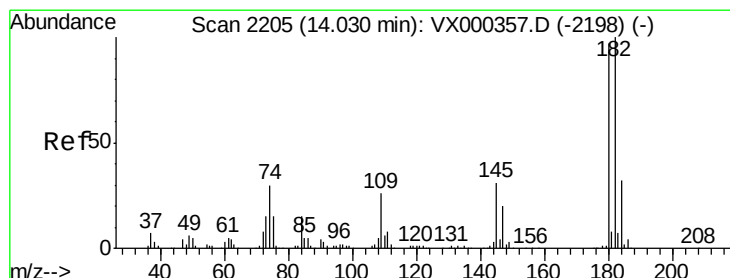
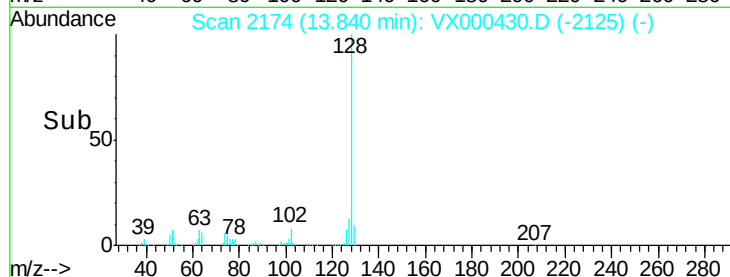
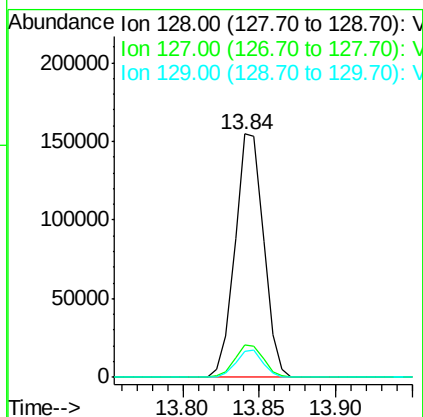
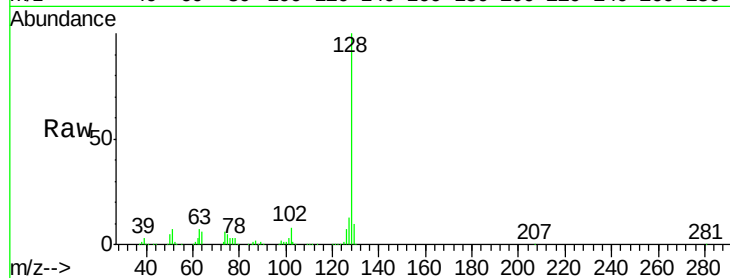
ClientSampleId :

VX0323WBSD01

Tot Ion:	128	Resp:	200215
Ion Ratio		Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.7	8.9	13.3

Manual Integrations
APPROVED

sam
3/26/2018 2:36:28 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.01 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000430.D

Acq: 23 Mar 2018 15:57

Tgt Ion:	180	Resp:	58021
Ion Ratio		Lower	Upper
180	100		
182	93.1	47.4	142.3
145	31.6	15.8	47.3

