

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000358.D
 Acq On : 20 Mar 2018 12:10
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

sam
 3/21/2018 11:44:10 AM

Quant Time: Mar 20 12:30:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 12:07:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	134167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	214226	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	223668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151224	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	168979	91.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.08%	
35) Dibromofluoromethane	5.52	113	135615	100.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.66%	
50) Toluene-d8	8.73	98	573659	101.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.48%	
62) 4-Bromofluorobenzene	11.15	95	240459	106.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	138398	95.76	ug/l	99
3) Chloromethane	1.32	50	131559	89.30	ug/l	94
4) Vinyl Chloride	1.41	62	148244	89.84	ug/l	94
5) Bromomethane	1.64	94	193250	104.94	ug/l	98
6) Chloroethane	1.71	64	107905	92.01	ug/l	99
7) Trichlorofluoromethane	1.93	101	268160	93.57	ug/l	99
8) Diethyl Ether	2.20	74	93690	91.83	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	149578	96.92	ug/l	98
10) Methyl Iodide	2.52	142	167722	107.56	ug/l	98
11) Tert butyl alcohol	3.10	59	276787	460.89	ug/l	100
12) 1,1-Dichloroethene	2.38	96	132032	90.15	ug/l	95
13) Acrolein	2.30	56	91480	354.07	ug/l	97
14) Allyl chloride	2.73	41	242471	92.84	ug/l	99
15) Acrylonitrile	3.16	53	559253	482.97	ug/l	100
16) Acetone	2.45	43	665675	537.14	ug/l	98
17) Carbon Disulfide	2.57	76	372100	86.97	ug/l	100
18) Methyl Acetate	2.79	43	275395	99.30	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	491020	95.23	ug/l	100
20) Methylene Chloride	2.87	84	145217	90.51	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	145571	89.90	ug/l	93
22) Diisopropyl ether	3.88	45	416516	95.83	ug/l	96
23) Vinyl Acetate	3.84	43	1977784	477.39	ug/l	99
24) 1,1-Dichloroethane	3.71	63	251465	91.96	ug/l	99
25) 2-Butanone	4.72	43	786966	531.30	ug/l	99
26) 2,2-Dichloropropane	4.60	77	205680	104.21	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	143014	96.69	ug/l	98
28) Bromochloromethane	5.04	49	117330	102.09	ug/l	100
29) Tetrahydrofuran	5.18	42	481386	504.94	ug/l	99
30) Chloroform	5.23	83	263283	101.98	ug/l	98
31) Cyclohexane	5.59	56	209108	99.67	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	235775	103.34	ug/l	100
36) 1,1-Dichloropropene	5.81	75	191161	98.21	ug/l	98
37) Ethyl Acetate	4.88	43	264365	102.19	ug/l	99
38) Carbon Tetrachloride	5.79	117	210050	107.04	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	241699	106.46	ug/l	95
40) Benzene	6.16	78	559674	101.35	ug/l	98
41) Methacrylonitrile	5.07	41	136244	100.30	ug/l	98
42) 1,2-Dichloroethane	6.21	62	215329	98.38	ug/l	100
43) Isopropyl Acetate	6.48	43	408470	109.40	ug/l	99
44) Trichloroethene	7.23	130	155589	97.23	ug/l	99
45) 1,2-Dichloropropane	7.52	63	142913	104.94	ug/l	97
46) Dibromomethane	7.67	93	109109	99.73	ug/l	98
47) Bromodichloromethane	7.91	83	210508	108.39	ug/l	98
48) Methyl methacrylate	7.79	41	200022	105.95	ug/l	100
49) 1,4-Dioxane	7.77	88	80248	1889.29	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1638787	565.18	ug/l	100
52) Toluene	8.79	92	417686	107.67	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	248332	110.79	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	256817	117.16	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	168591	108.32	ug/l	98
56) Ethyl methacrylate	9.19	69	274097	118.93	ug/l	97
57) 1,3-Dichloropropane	9.38	76	261726	103.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	617347	582.48	ug/l	99
59) 2-Hexanone	9.51	43	1417810	580.37	ug/l	99
60) Dibromochloromethane	9.59	129	194540	118.20	ug/l	97
61) 1,2-Dibromoethane	9.68	107	188569	109.29	ug/l	98
64) Tetrachloroethene	9.34	164	155891	97.59	ug/l	98
65) Chlorobenzene	10.15	112	485021	106.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	169008	110.32	ug/l	99
67) Ethyl Benzene	10.26	91	826308	106.41	ug/l	98
68) m/p-Xylenes	10.37	106	697592	230.57	ug/l	96
69) o-Xylene	10.71	106	333361	113.42	ug/l	98
70) Styrene	10.72	104	593341	121.66	ug/l	97
71) Bromoform	10.87	173	171939	128.31	ug/l #	97
73) Isopropylbenzene	11.03	105	948558	104.14	ug/l	99
74) N-amyl acetate	6.48	43	408470	93.68	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	331995	102.39	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	283973m	93.28	ug/l	
77) Bromobenzene	11.26	156	239955	100.37	ug/l	97
78) n-propylbenzene	11.37	91	1097061	99.89	ug/l	99
79) 2-Chlorotoluene	11.43	91	617927	99.15	ug/l	98
80) 1,3,5-Trimethylbenzene	11.52	105	818920	105.55	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	107568	120.39	ug/l	95
82) 4-Chlorotoluene	11.52	91	772364	100.82	ug/l	96
83) tert-Butylbenzene	11.78	119	804256	106.25	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	843615	105.76	ug/l	99
85) sec-Butylbenzene	11.96	105	1005227	106.08	ug/l	100
86) p-Isopropyltoluene	12.07	119	927788	110.02	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	477032	101.68	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	496309	101.80	ug/l	98
89) n-Butylbenzene	12.40	91	855387	104.32	ug/l	99
90) Hexachloroethane	12.60	117	149901	110.82	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	484462	106.61	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	90056	102.60	ug/l	99

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ClientSampleId :
VSTDICC100

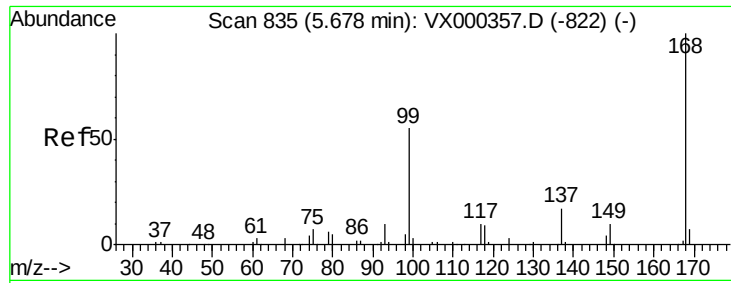
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	324847	99.24	ug/l	100
94) Hexachlorobutadiene	13.79	225	137441	106.44	ug/l	98
95) Naphthalene	13.85	128	1159183	102.05	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	313077	94.68	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 134167

Ion Ratio Lower Upper

168 100

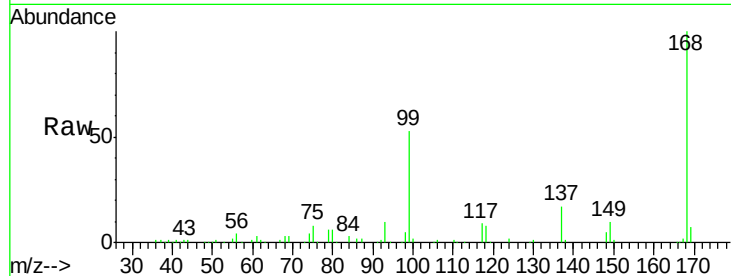
99 52.8 45.8 68.6

Manual Integrations

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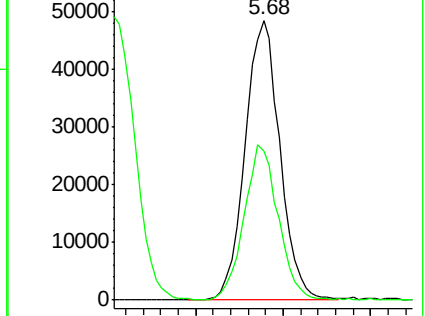
sam

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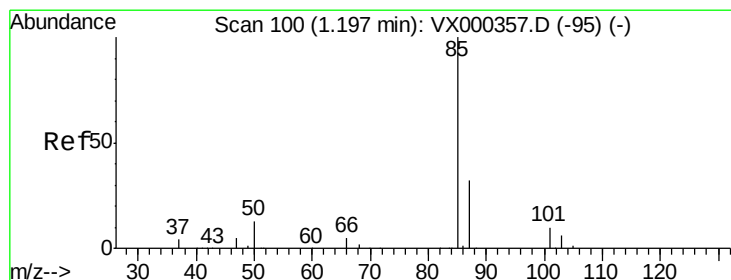
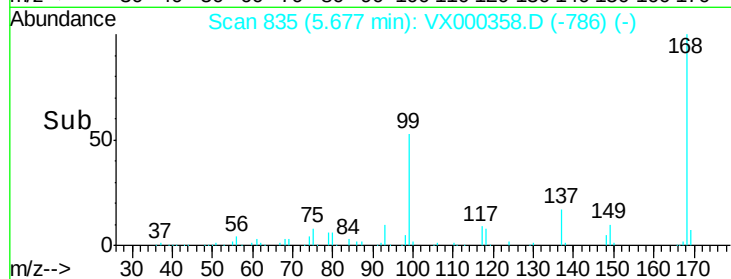


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#2

Dichlorodifluoromethane

Concen: 95.76 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000358.D

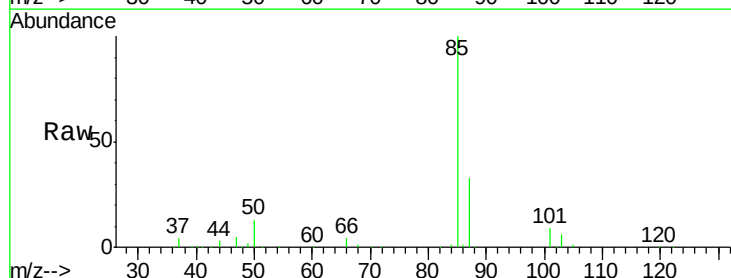
Acq: 20 Mar 2018 12:10

Tgt Ion: 85 Resp: 138398

Ion Ratio Lower Upper

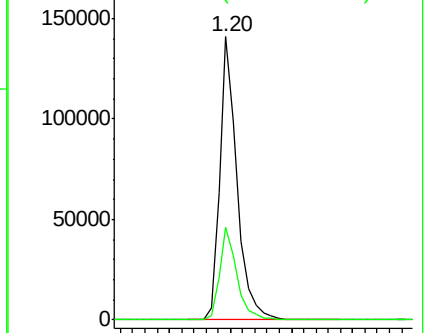
85 100

87 32.8 16.8 50.3

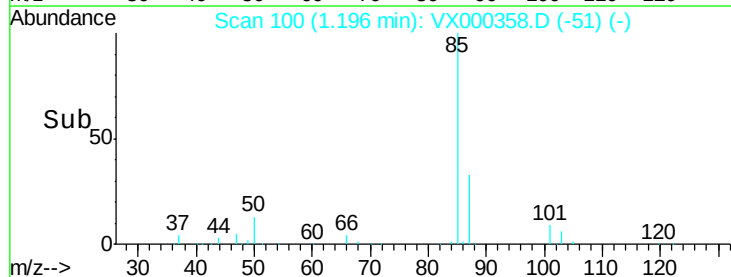


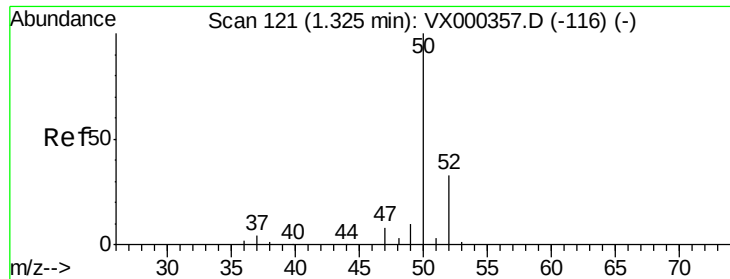
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



Time-->





#3

Chloromethane

Concen: 89.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 131559

Ion Ratio Lower Upper

50 100

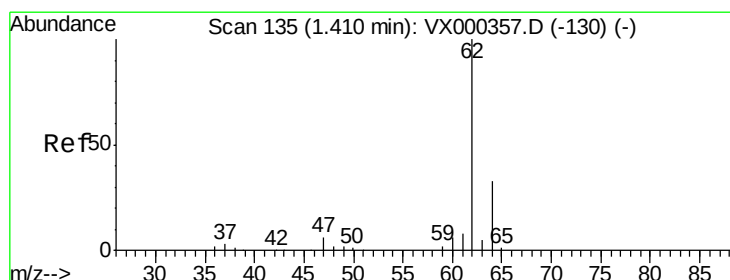
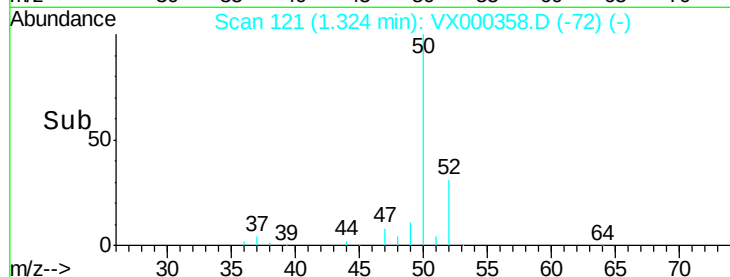
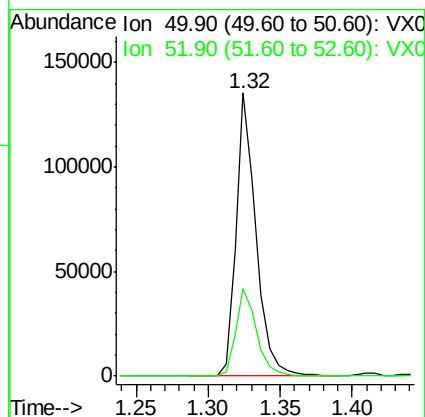
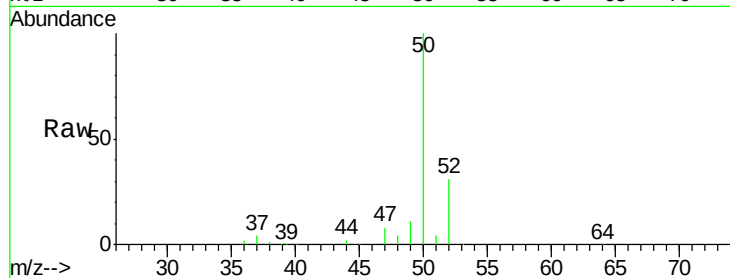
52 31.1 27.5 41.3

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#4

Vinyl Chloride

Concen: 89.84 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000358.D

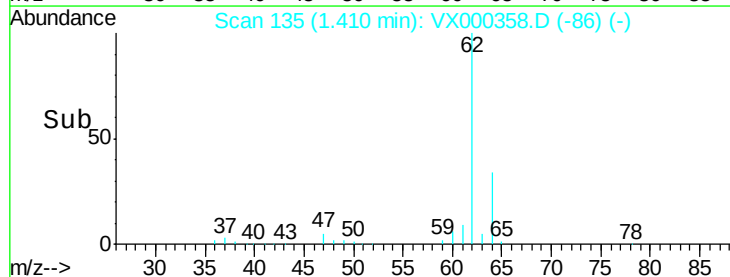
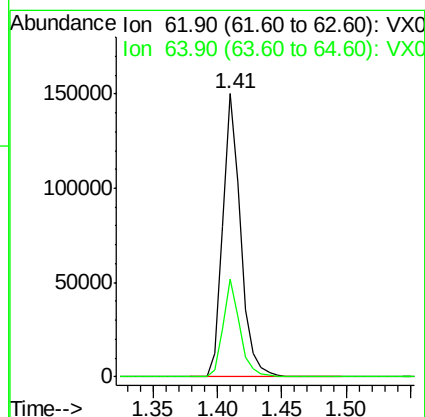
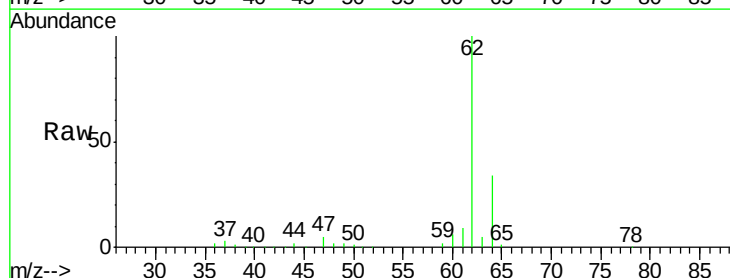
Acq: 20 Mar 2018 12:10

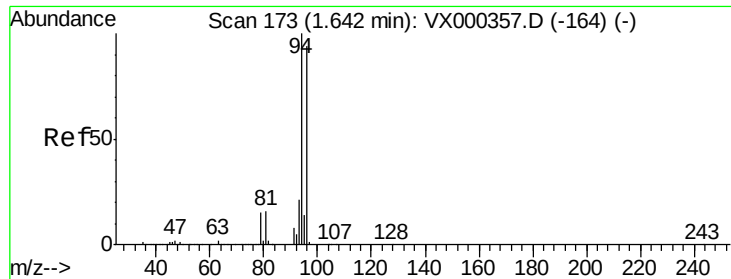
Tgt Ion: 62 Resp: 148244

Ion Ratio Lower Upper

62 100

64 34.3 24.8 37.2





#5

Bromomethane

Concen: 104.94 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 193250

Ion Ratio Lower Upper

94 100

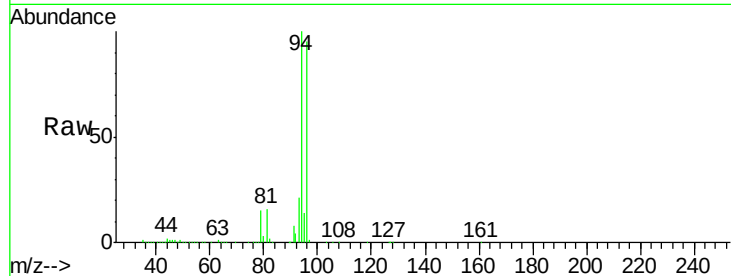
96 94.7 77.7 116.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200000

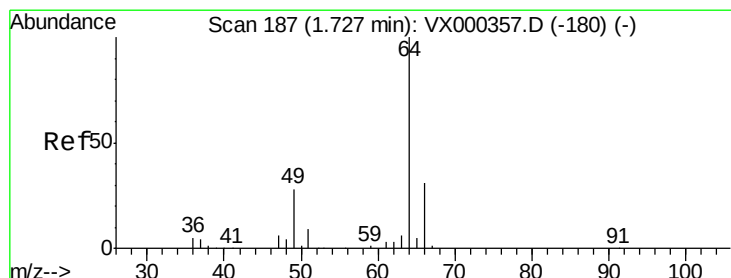
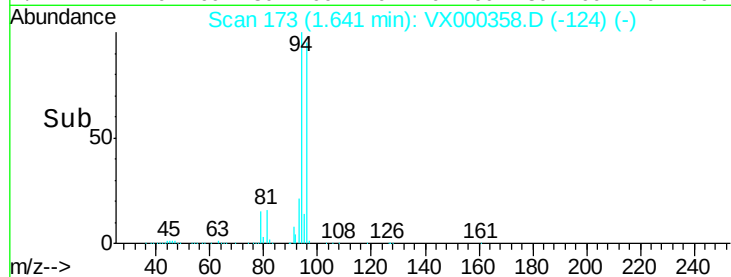
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 92.01 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000358.D

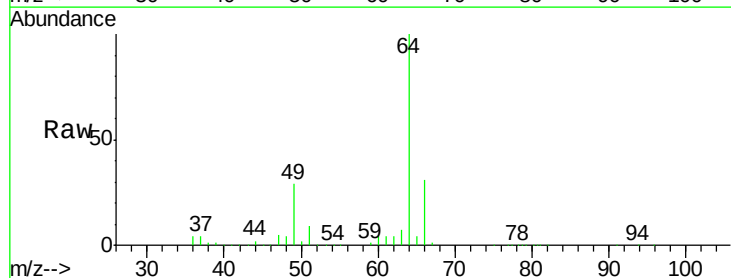
Acq: 20 Mar 2018 12:10

Tgt Ion: 64 Resp: 107905

Ion Ratio Lower Upper

64 100

66 30.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

80000

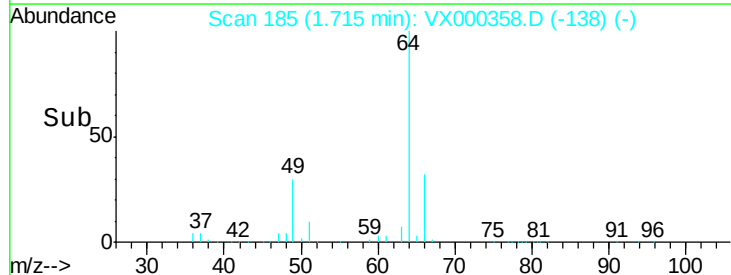
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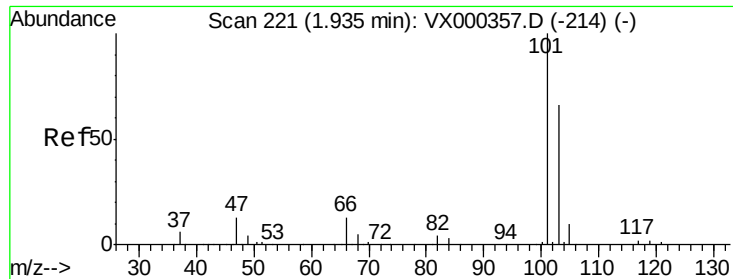
40000

20000

0

Time-->





#7

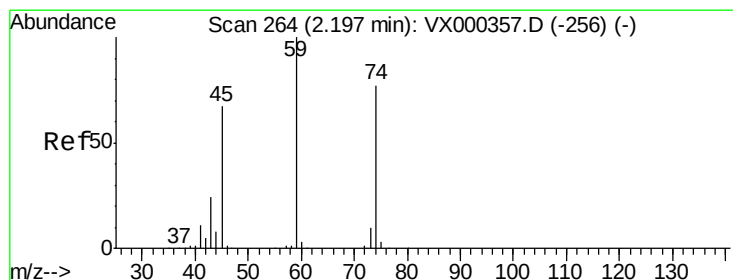
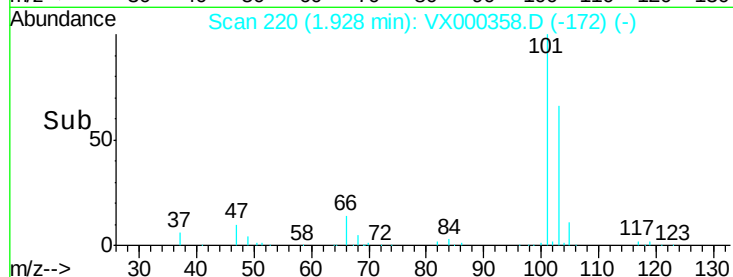
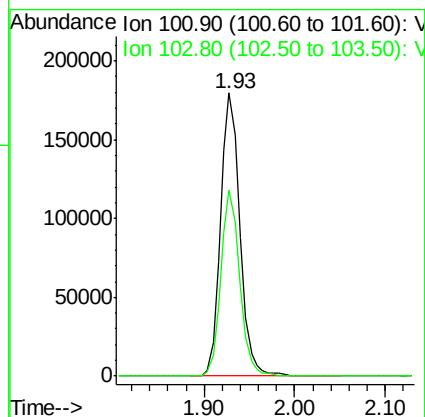
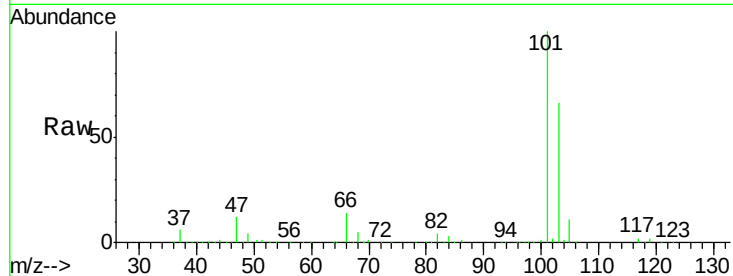
Trichlorofluoromethane
Concen: 93.57 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

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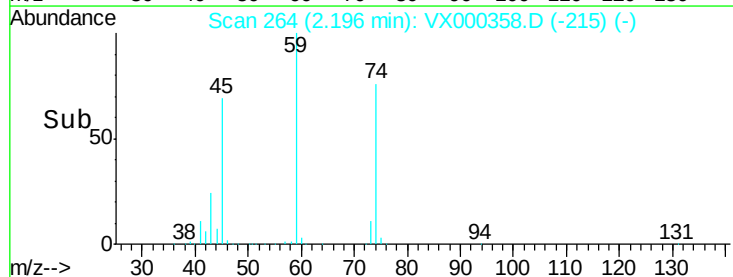
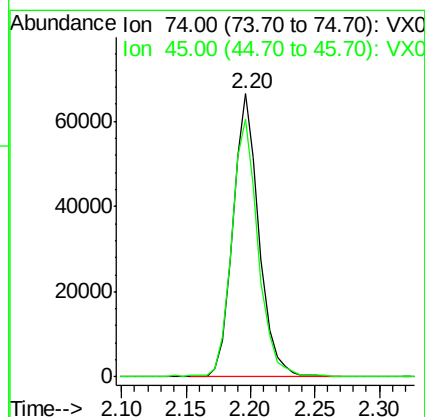
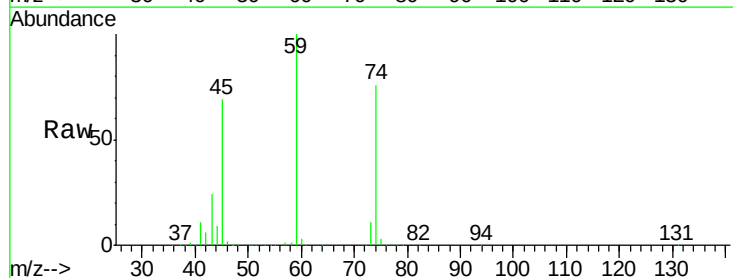
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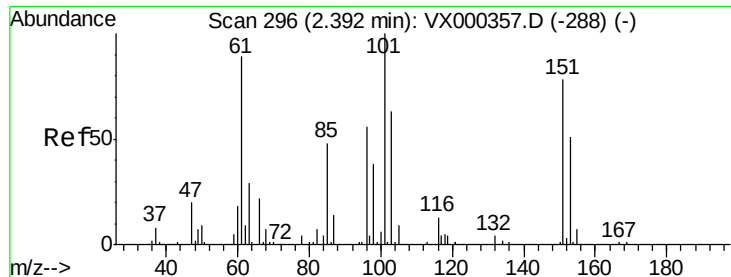


#8

Diethyl Ether
Concen: 91.83 ug/l
RT: 2.20 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	45.1	135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.92 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

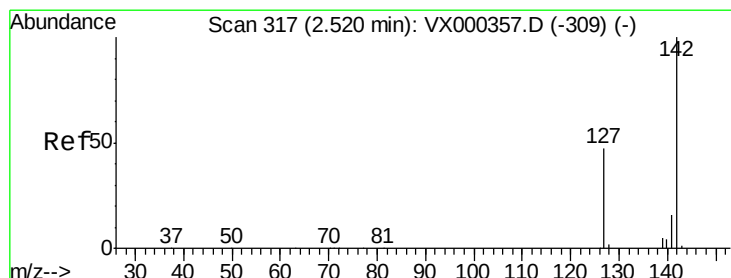
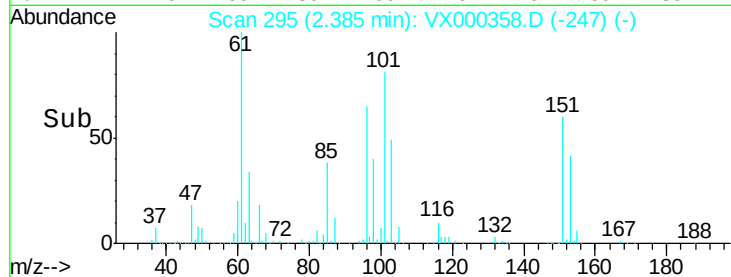
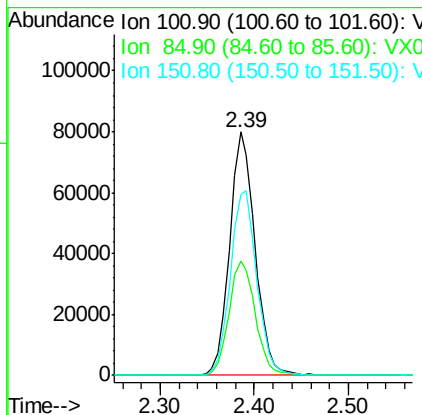
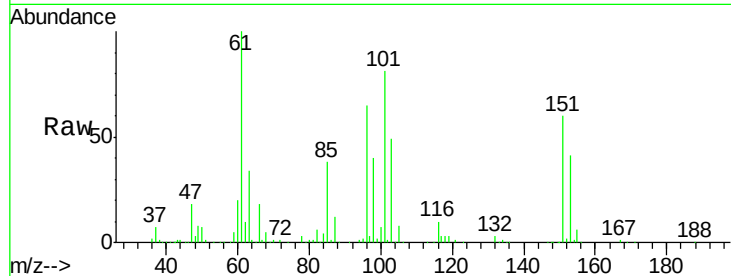
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	149578
Ion Ratio	Lower	Upper	
101	100		
85	49.0	37.6	56.4
151	79.1	62.6	93.8

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#10

Methyl Iodide

Concen: 107.56 ug/l

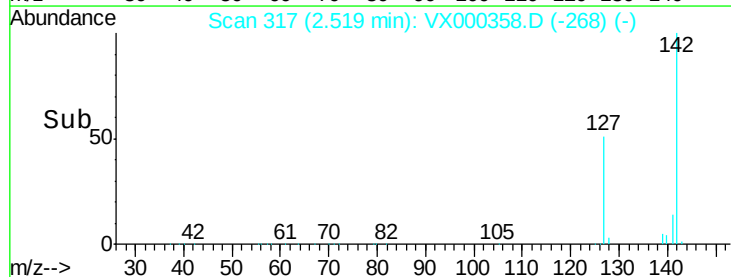
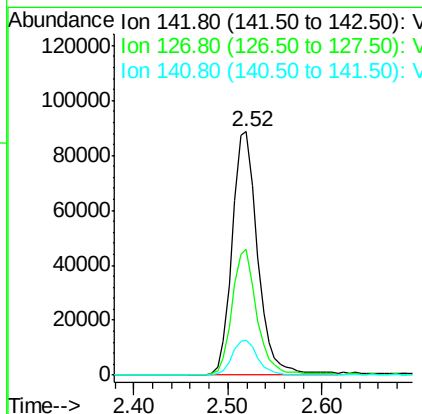
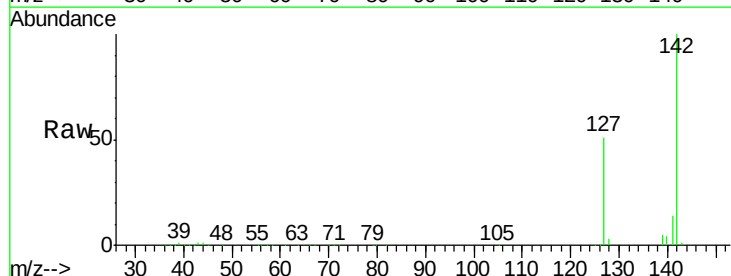
RT: 2.52 min Scan# 317

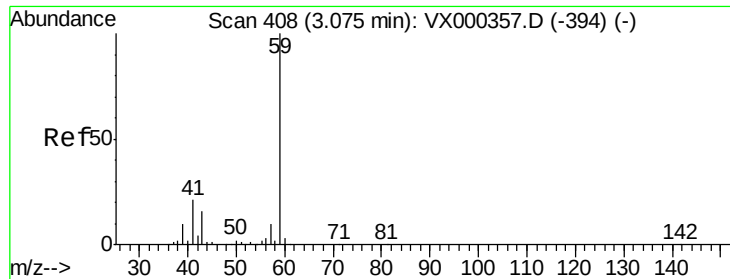
Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Tgt Ion:	142	Resp:	167722
Ion Ratio	Lower	Upper	
142	100		
127	50.5	39.2	58.8
141	14.4	11.7	17.5





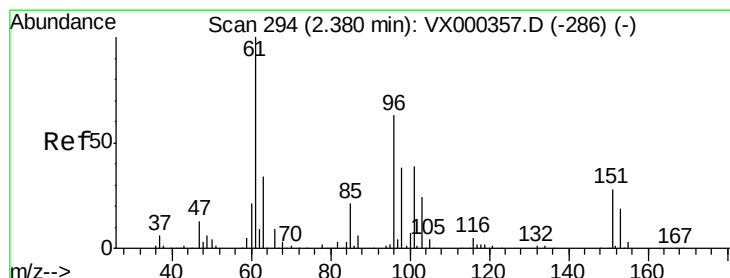
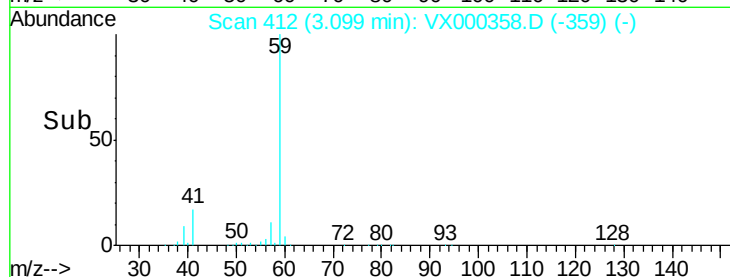
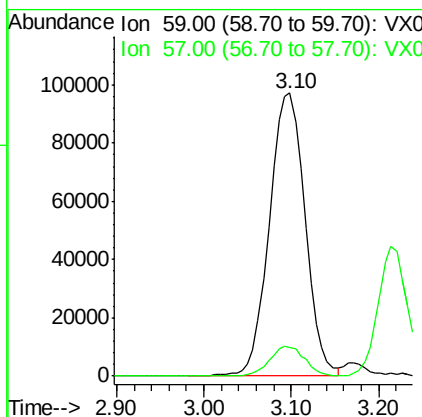
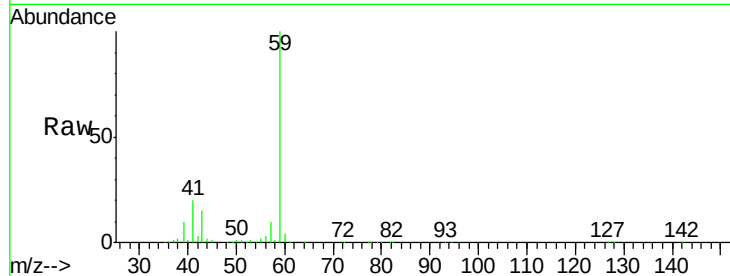
#11
Tert butyl alcohol
Concen: 460.89 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.02 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 59 Resp: 276787
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6

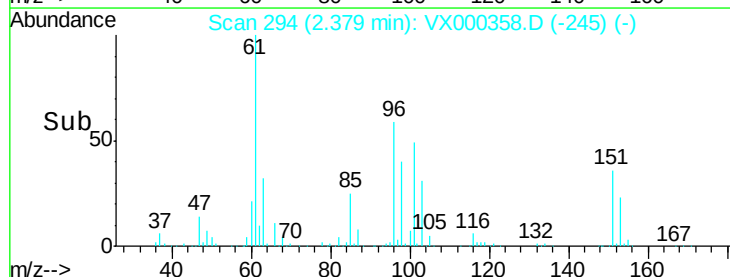
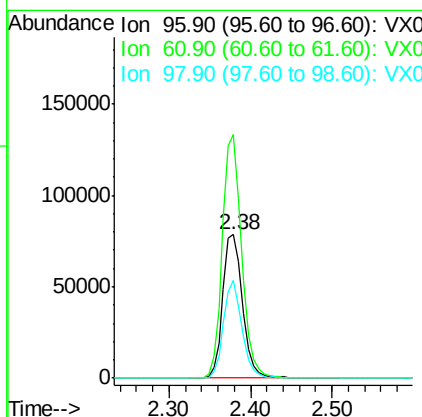
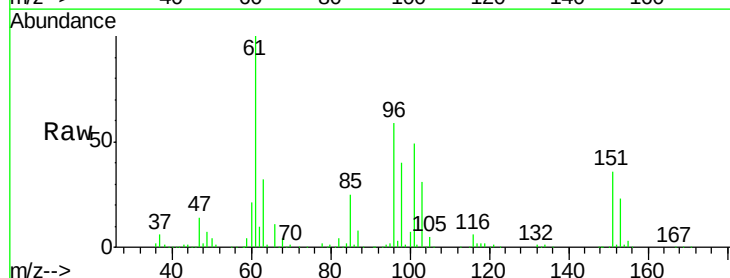
Manual Integrations
APPROVED

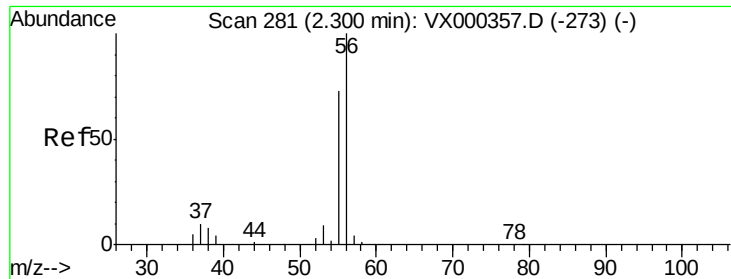
sam
3/21/2018 11:44:10 AM



#12
1,1-Dichloroethene
Concen: 90.15 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion: 96 Resp: 132032
Ion Ratio Lower Upper
96 100
61 169.4 131.2 196.8
98 68.3 49.8 74.8





#13

Acrolein

Concen: 354.07 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 91480

Ion Ratio Lower Upper

56 100

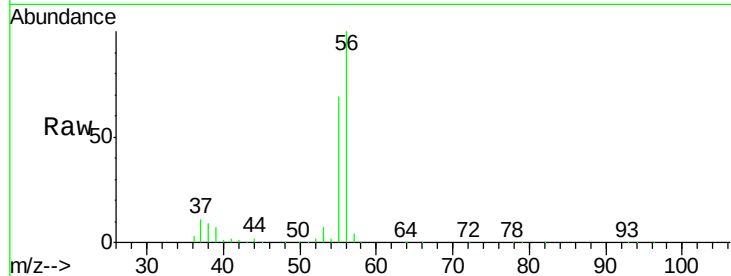
55 70.7 58.8 88.2

Manual Integrations

APPROVED

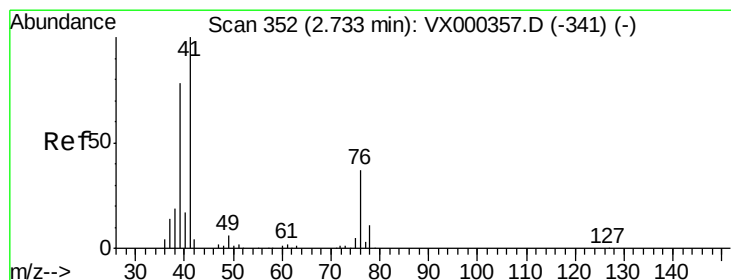
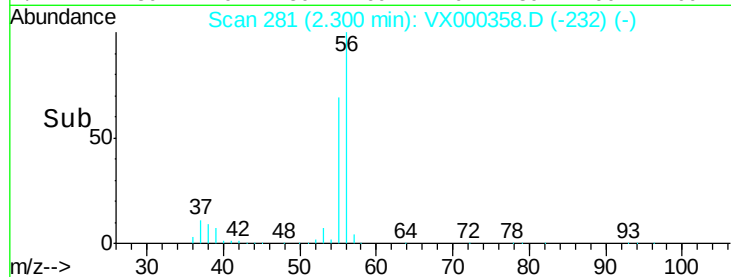
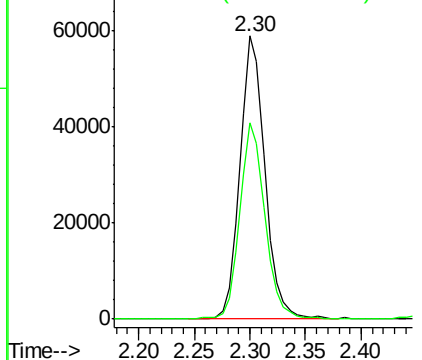
sam

3/21/2018 11:44:10 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 92.84 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

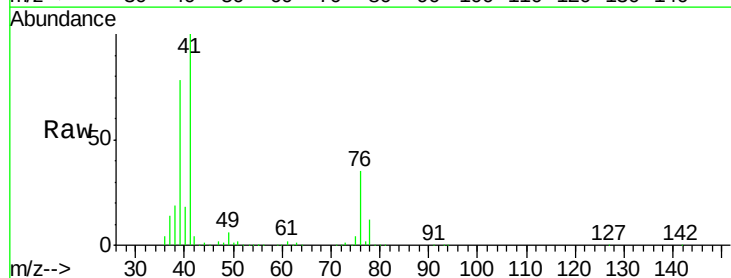
Tgt Ion: 41 Resp: 242471

Ion Ratio Lower Upper

41 100

39 72.8 57.6 86.4

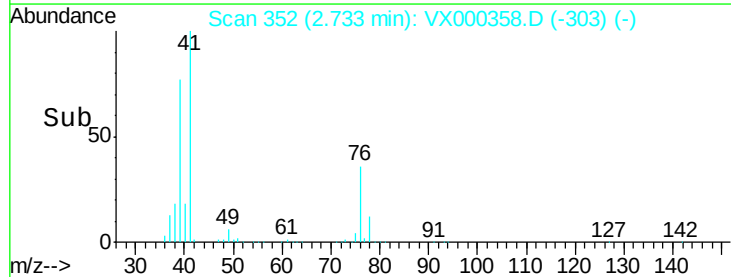
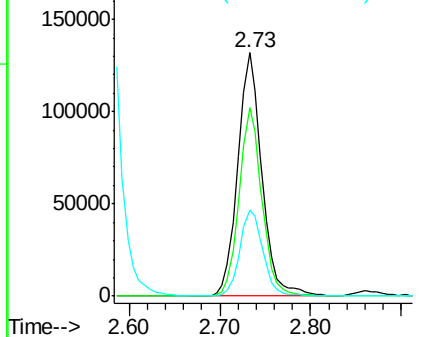
76 34.0 27.3 40.9

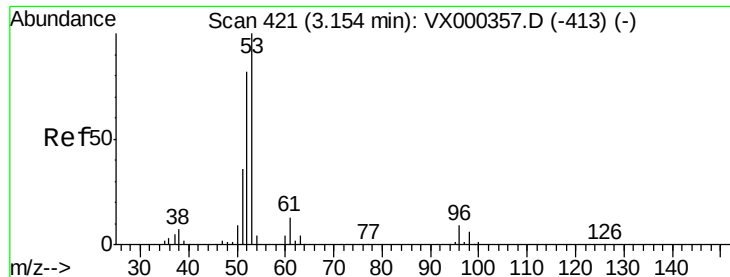


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 482.97 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

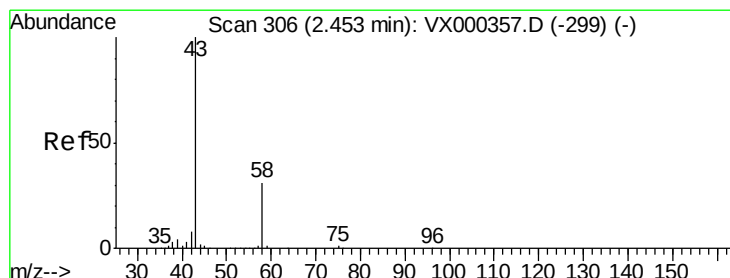
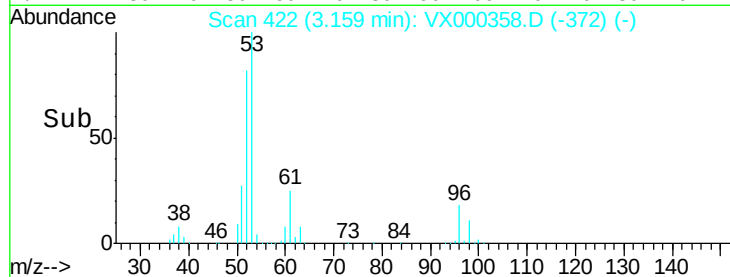
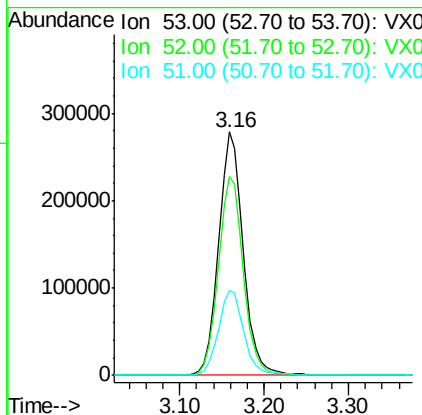
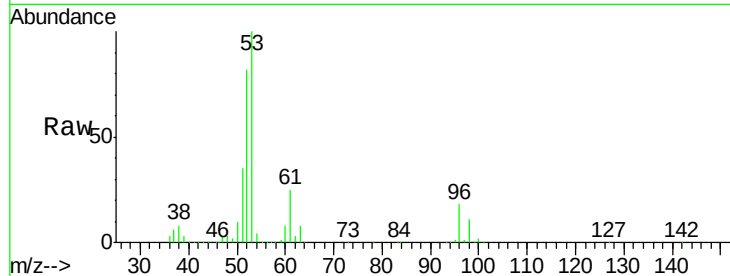
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	559253
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.6	99.8
51	36.5	29.3	43.9

Manual Integrations
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sam
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#16

Acetone

Concen: 537.14 ug/l

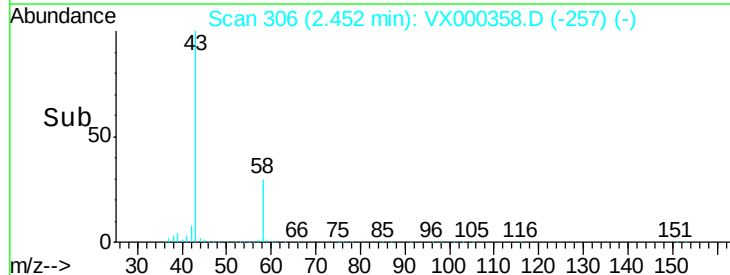
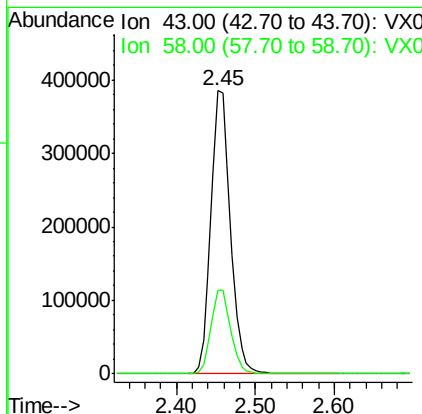
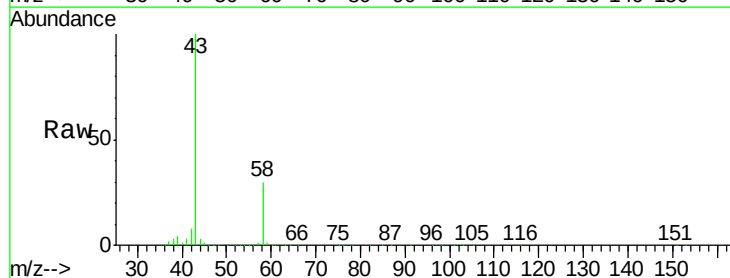
RT: 2.45 min Scan# 306

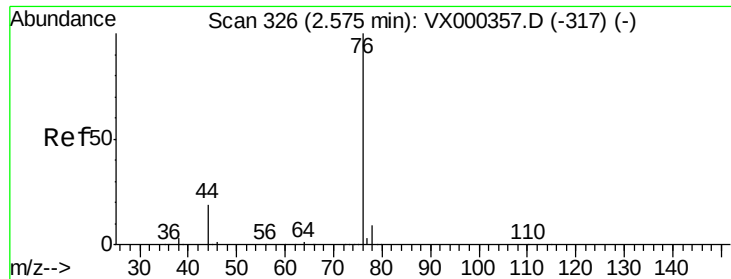
Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Tgt Ion:	43	Resp:	665675
Ion Ratio	Lower	Upper	
43	100		
58	29.8	24.7	37.1





#17

Carbon Disulfide

Concen: 86.97 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 372100

Ion Ratio Lower Upper

76 100

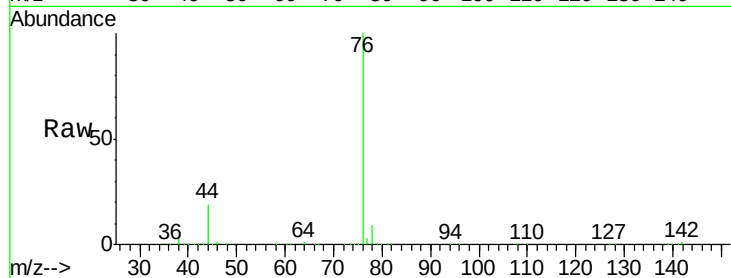
78 8.9 7.0 10.6

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

250000

200000

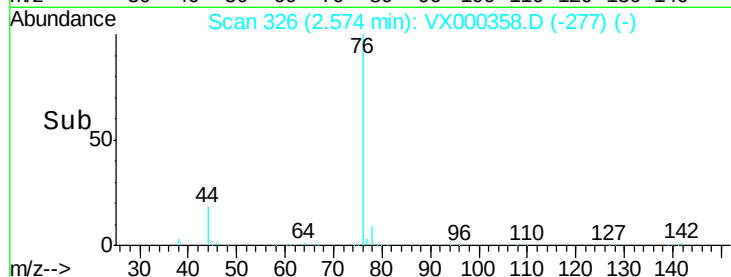
150000

100000

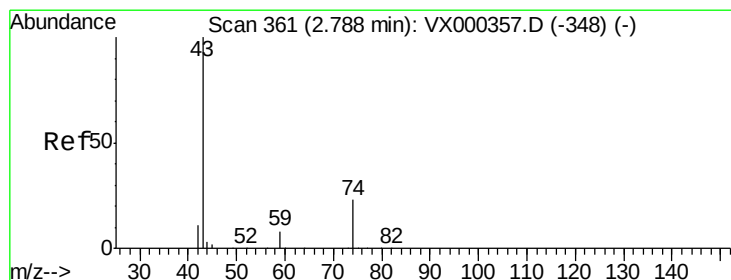
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 99.30 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX000358.D

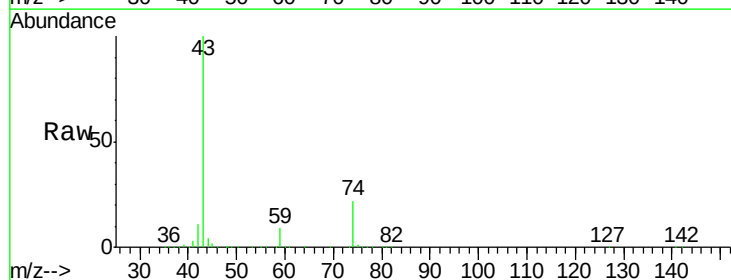
Acq: 20 Mar 2018 12:10

Tgt Ion: 43 Resp: 275395

Ion Ratio Lower Upper

43 100

74 23.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

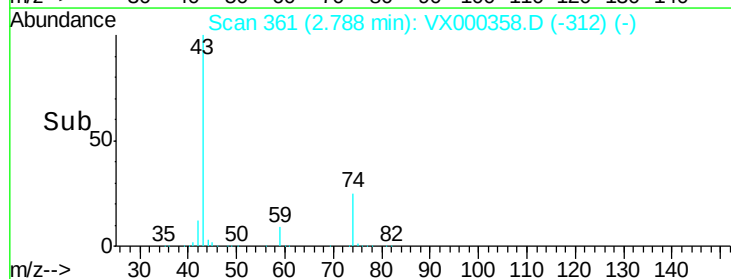
150000

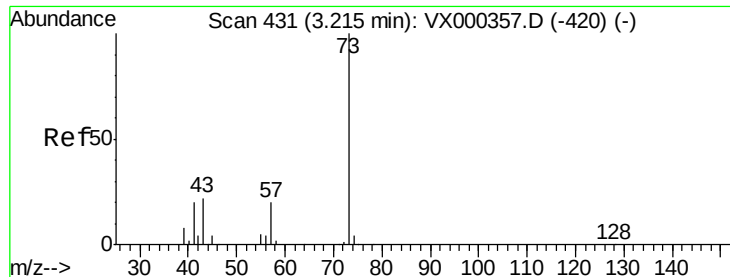
100000

50000

0

Time-->





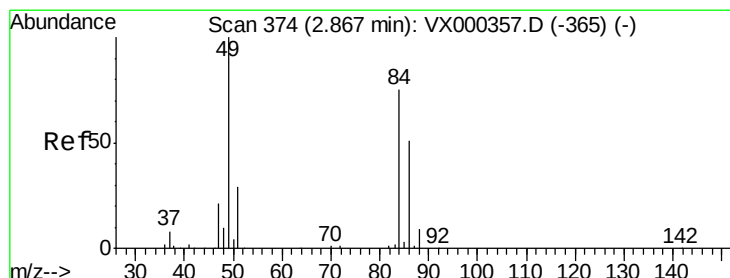
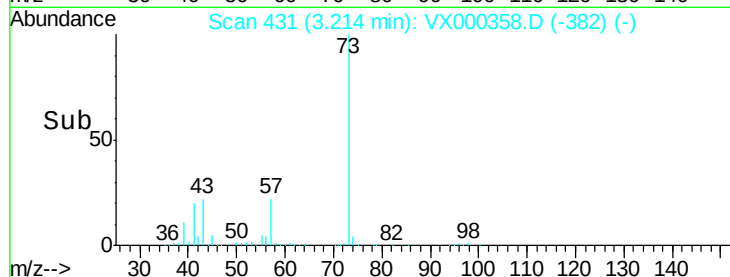
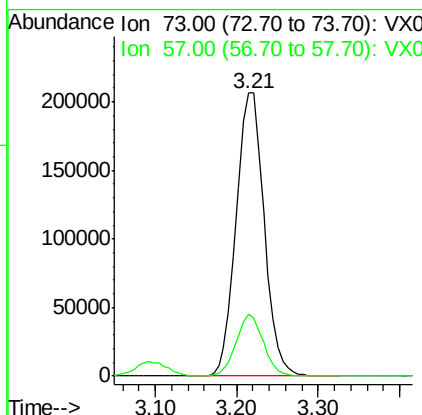
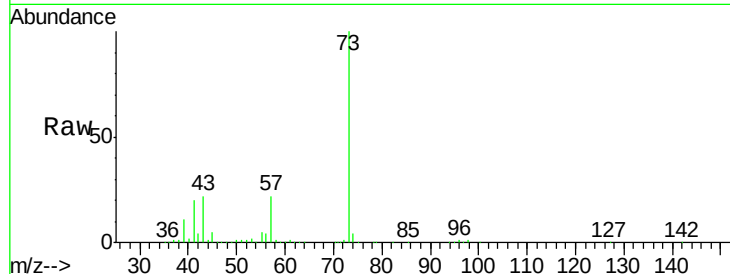
#19
Methyl tert-butyl Ether
Concen: 95.23 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.2	25.8

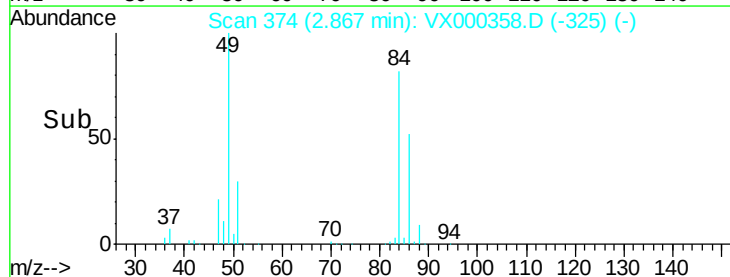
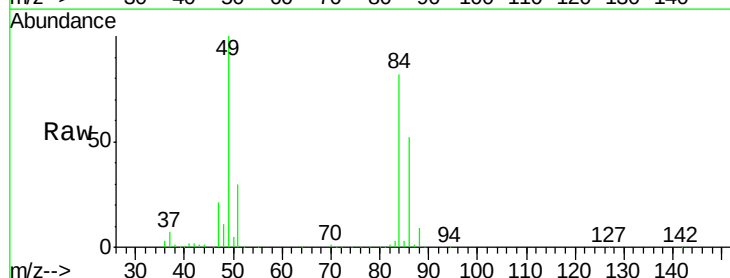
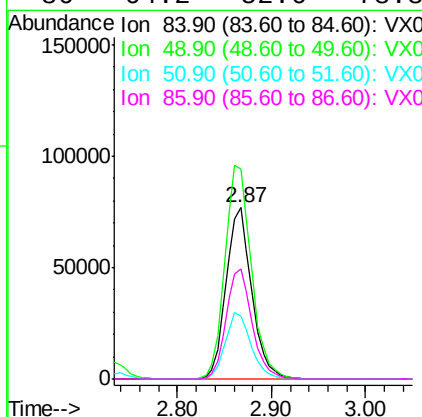
Manual Integrations
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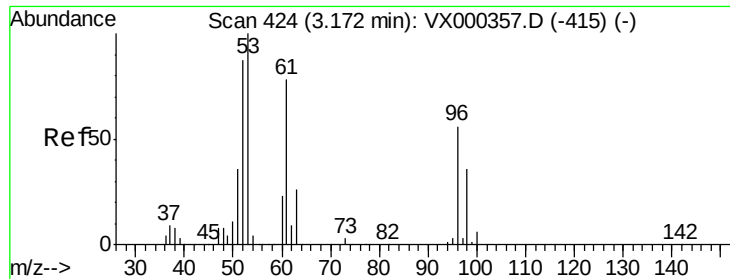
sam
3/21/2018 11:44:10 AM



#20
Methylene Chloride
Concen: 90.51 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	100.6	151.0
51	36.7	31.6	47.4
86	64.2	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 89.90 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

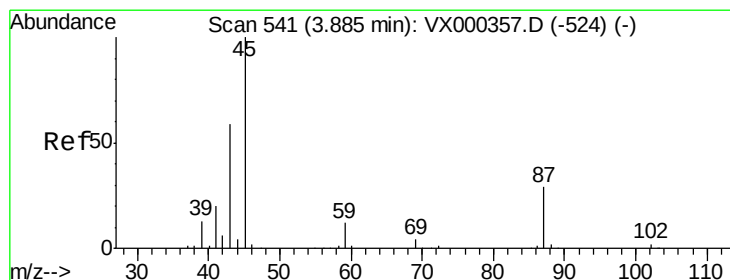
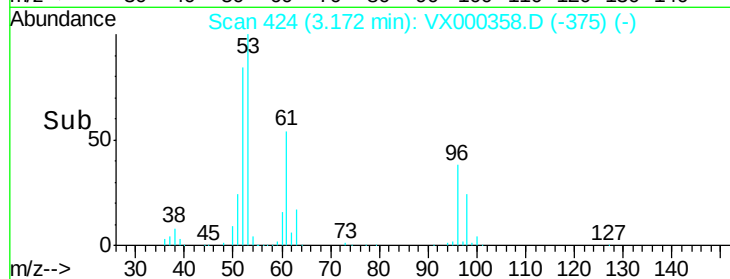
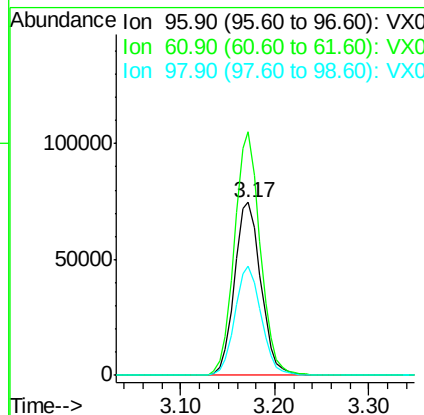
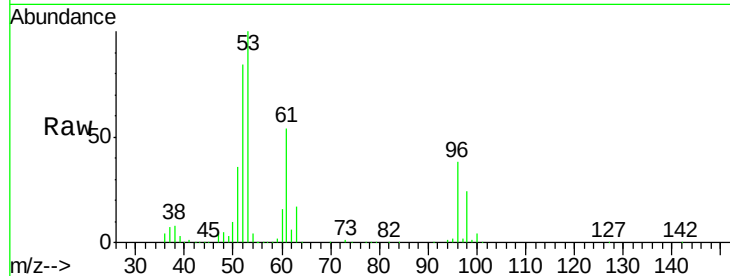
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	14571
Ion	Ratio	Lower	Upper
96	100		
61	140.7	104.0	156.0
98	63.5	52.1	78.1

Manual Integrations
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sam
3/21/2018 11:44:10 AM



#22

Diisopropyl ether

Concen: 95.83 ug/l

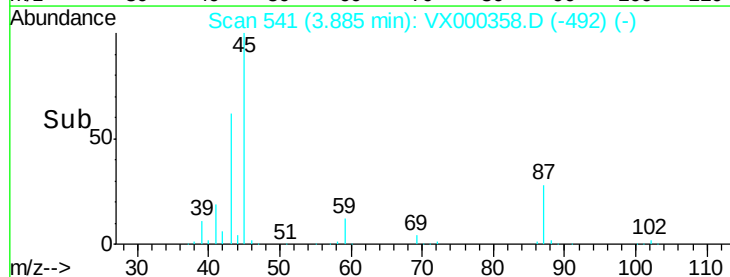
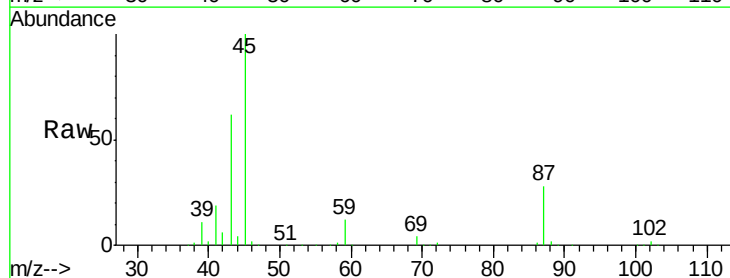
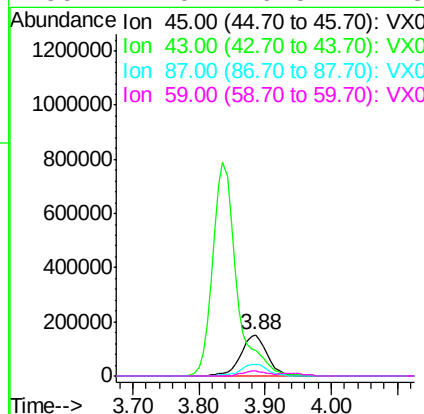
RT: 3.88 min Scan# 541

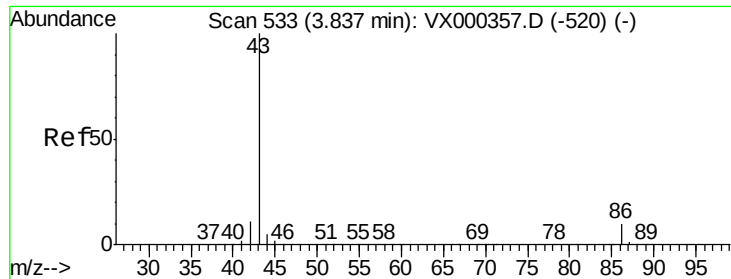
Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Tgt Ion:	45	Resp:	416516
Ion	Ratio	Lower	Upper
45	100		
43	62.0	53.9	80.9
87	28.2	22.6	34.0
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 477.39 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1977784

Ion Ratio Lower Upper

43 100

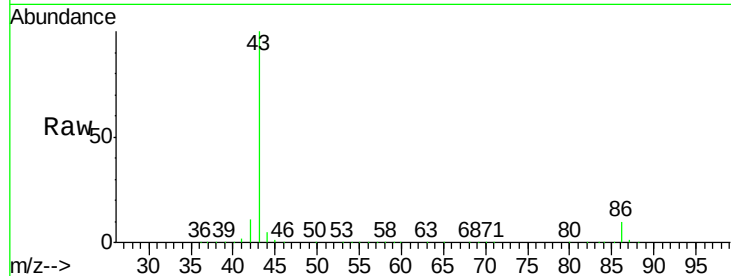
86 10.3 8.6 12.8

Manual Integrations

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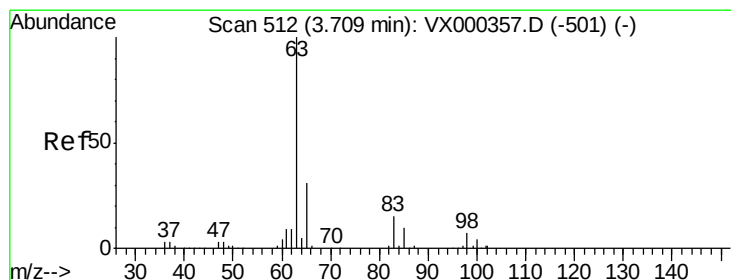
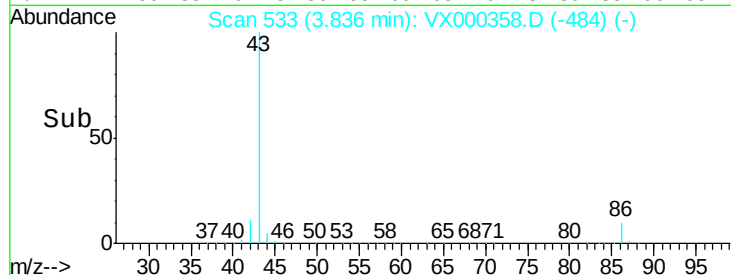
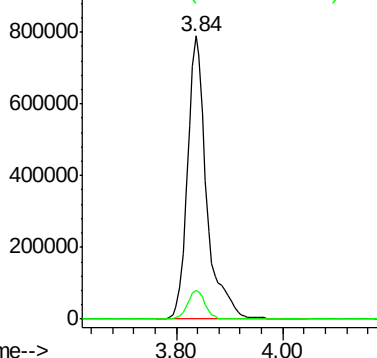
Sam

3/21/2018 11:44:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 91.96 ug/l

RT: 3.71 min Scan# 512

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

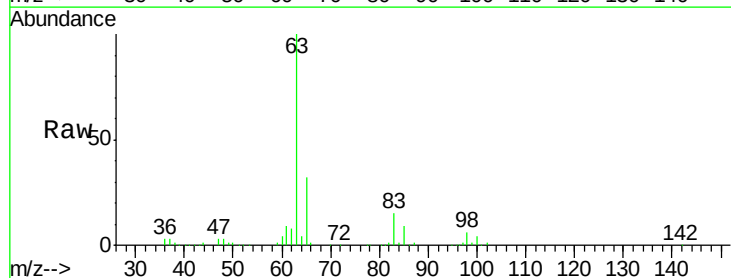
Tgt Ion: 63 Resp: 251465

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

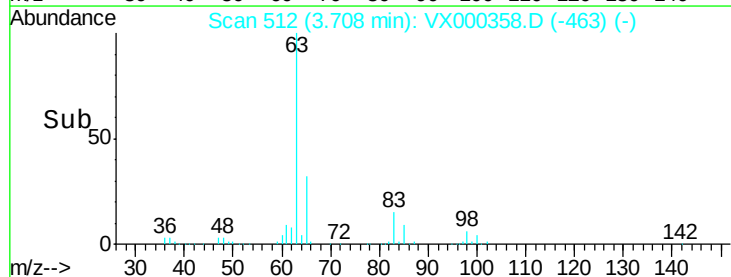
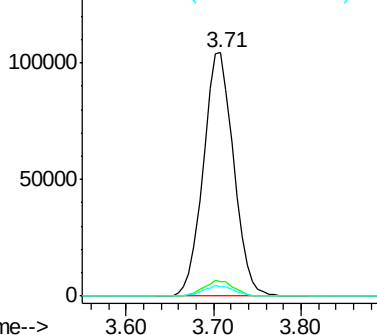
100 3.9 2.0 5.8

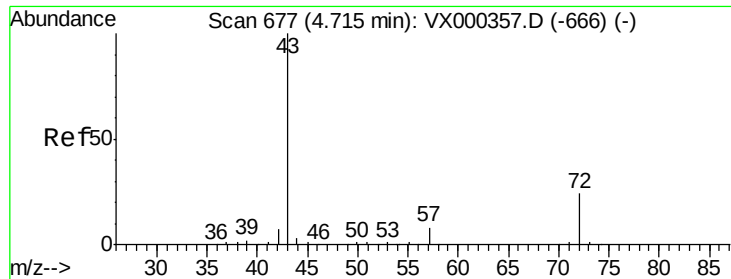


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 531.30 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 786966

Ion Ratio Lower Upper

43 100

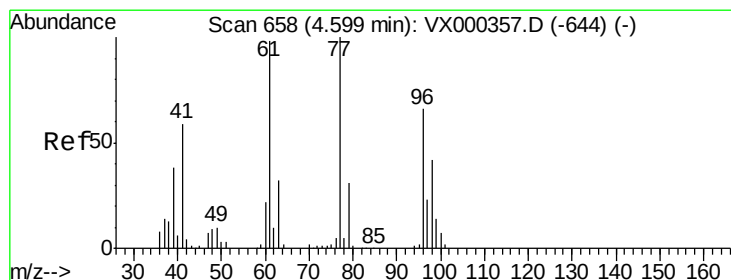
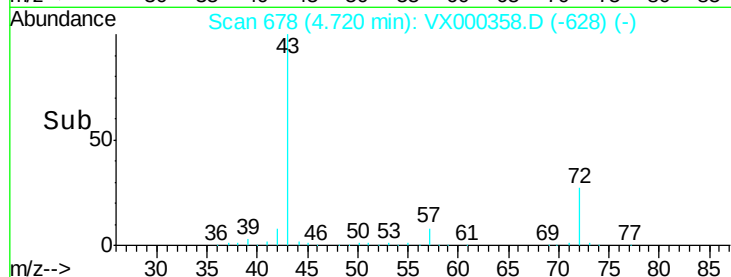
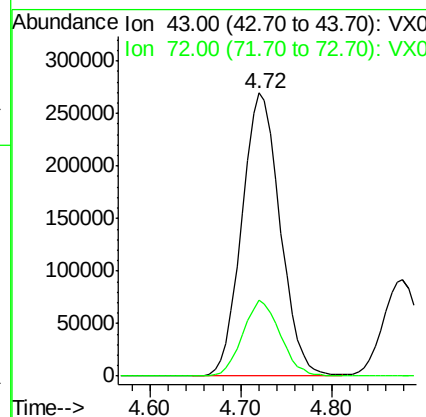
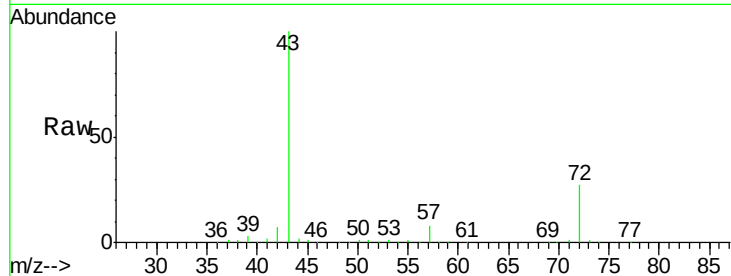
72 26.9 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 104.21 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX000358.D

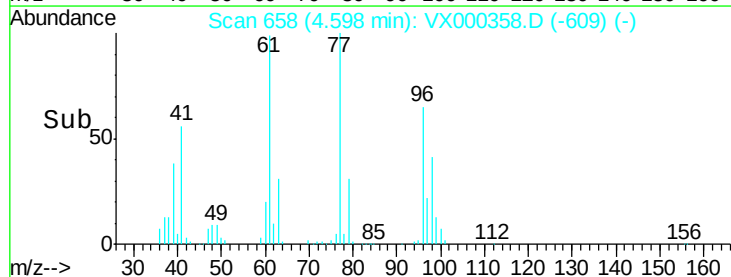
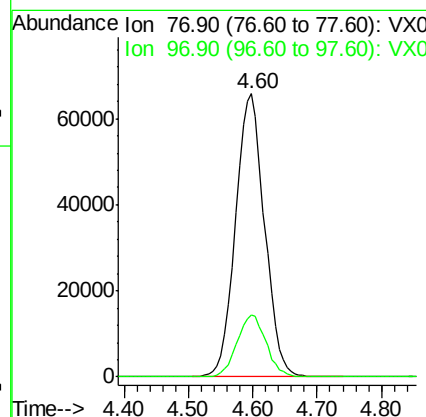
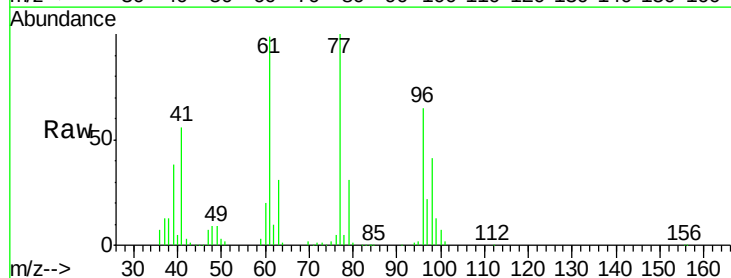
Acq: 20 Mar 2018 12:10

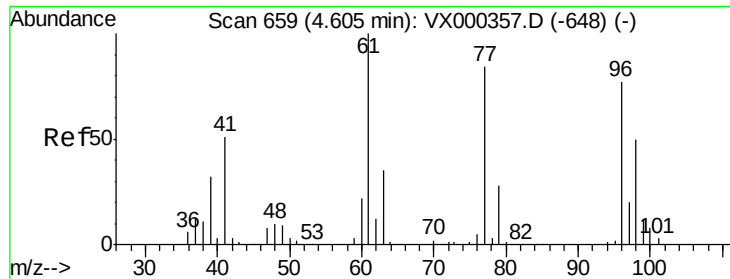
Tgt Ion: 77 Resp: 205680

Ion Ratio Lower Upper

77 100

97 21.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 96.69 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

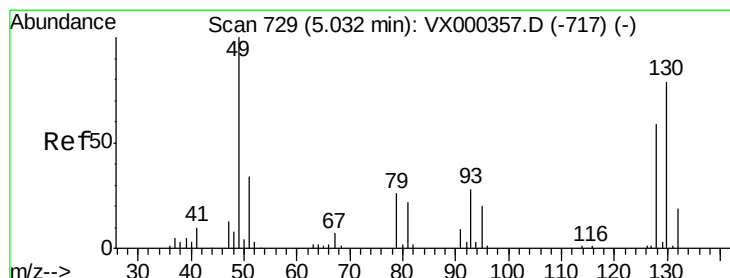
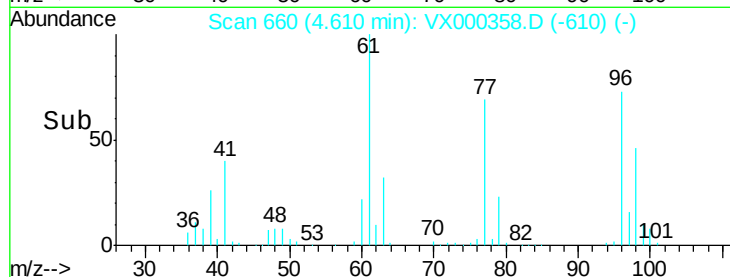
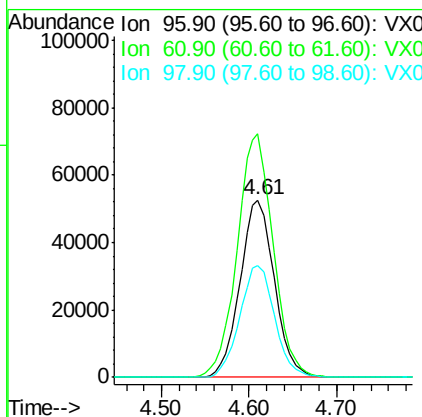
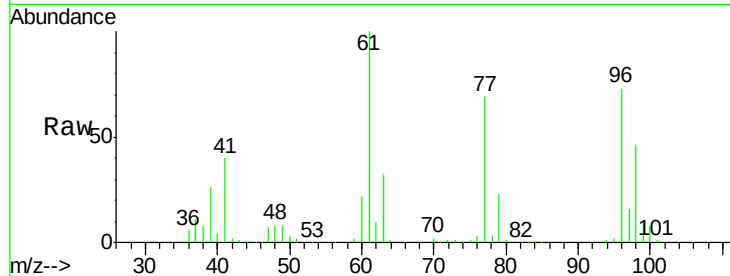
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	143014
Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	291.6
98	64.2	0.0	132.0

Manual Integrations
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sam
3/21/2018 11:44:10 AM



#28

Bromochloromethane

Concen: 102.09 ug/l

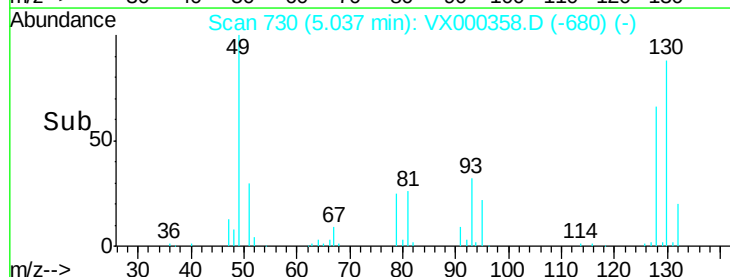
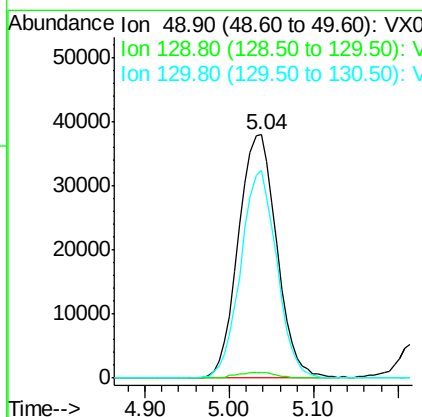
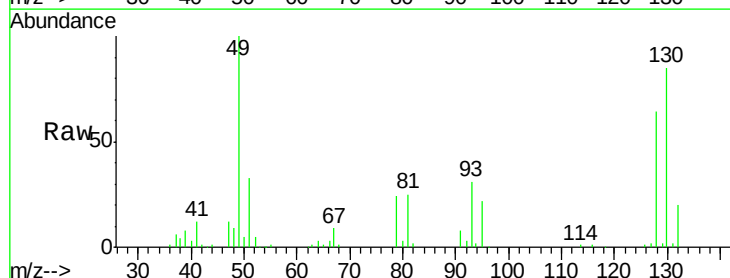
RT: 5.04 min Scan# 730

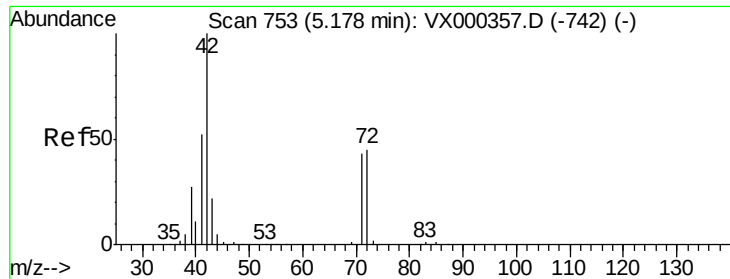
Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Tgt Ion:	49	Resp:	117330
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	80.1	64.0	96.0





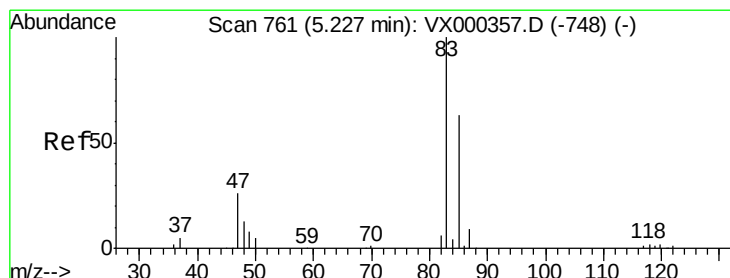
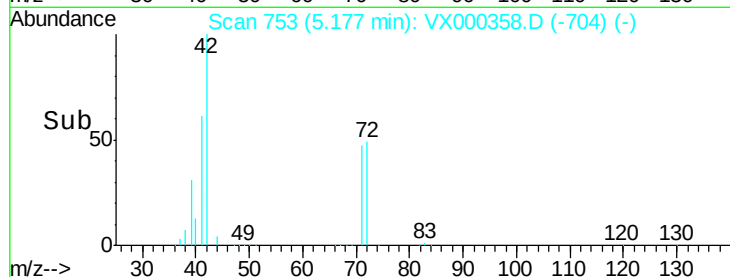
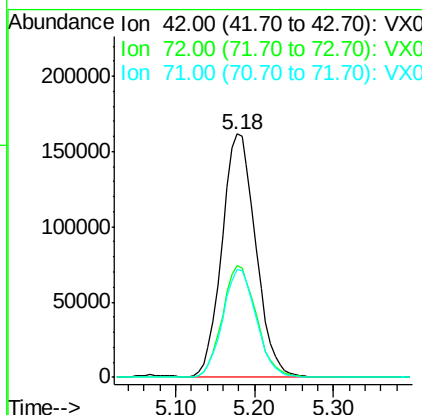
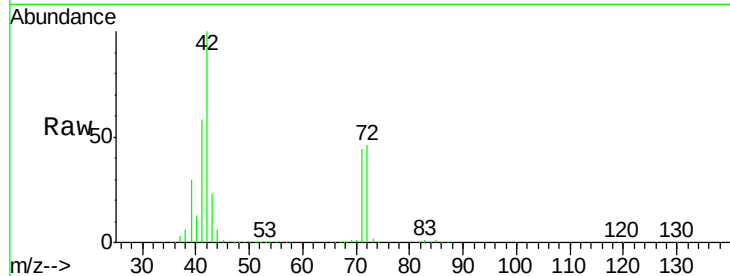
#29
Tetrahydrofuran
Concen: 504.94 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.9	56.9
71	44.0	34.4	51.6

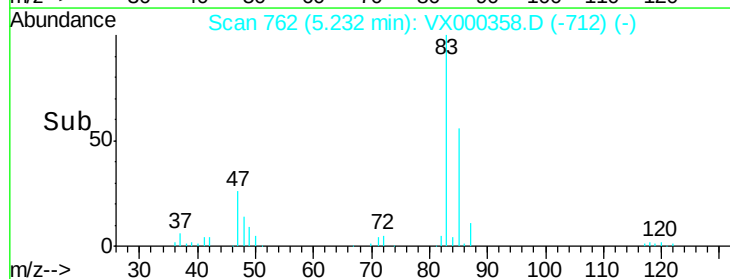
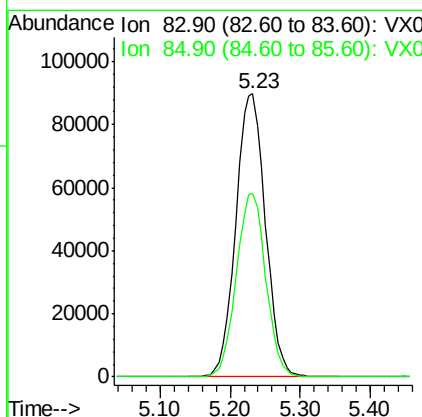
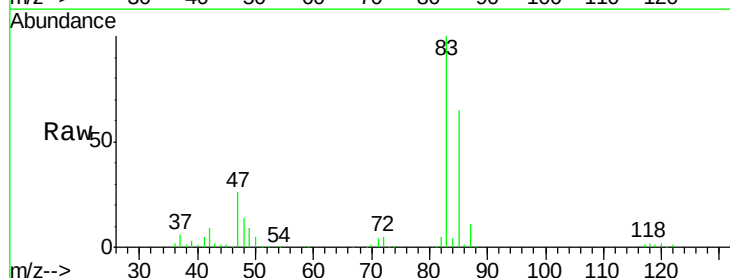
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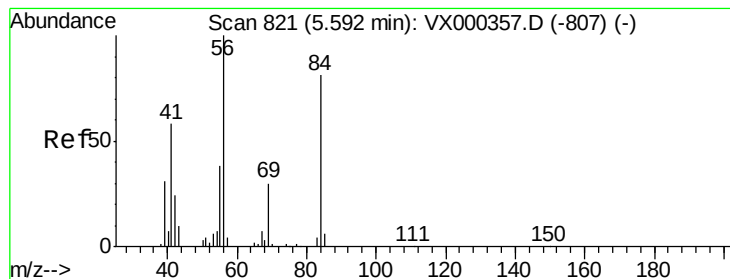
sam
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#30
Chloroform
Concen: 101.98 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.3	79.9





#31

Cyclohexane

Concen: 99.67 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

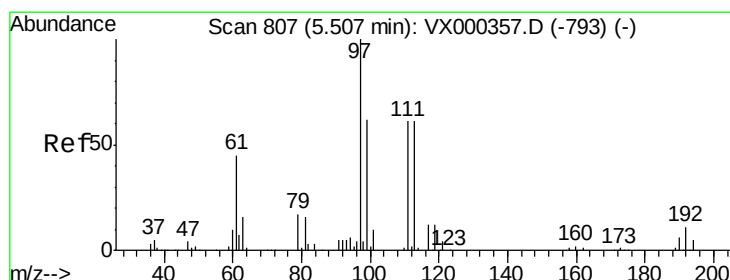
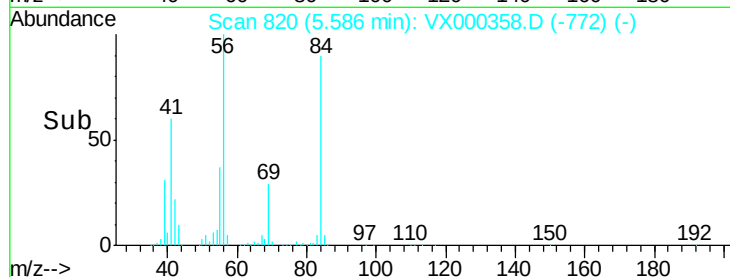
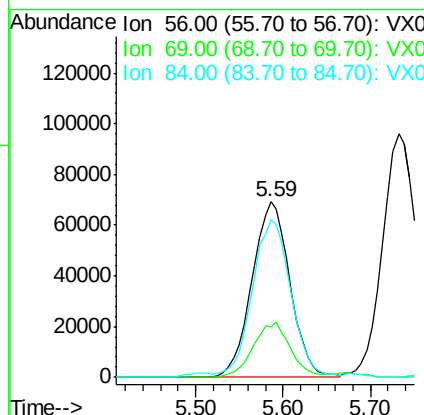
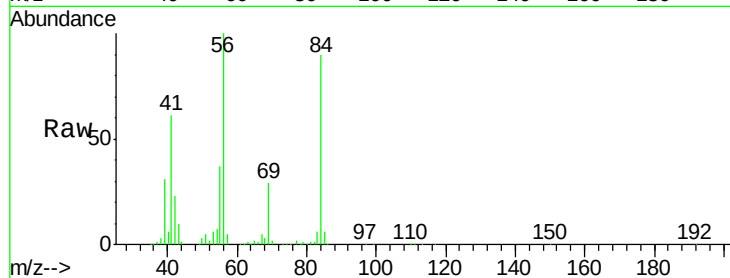
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	209108
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.0
84	89.0	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 103.34 ug/l

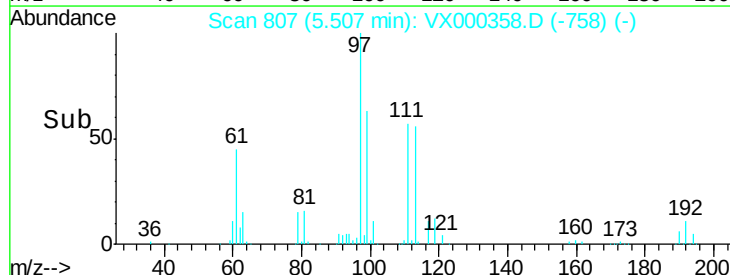
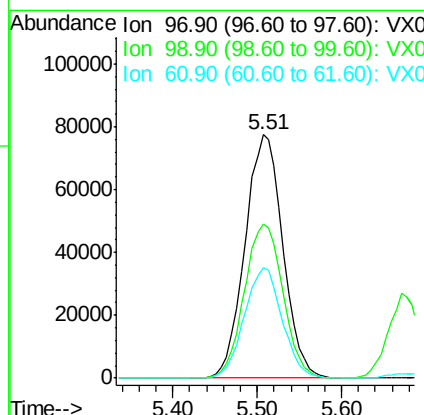
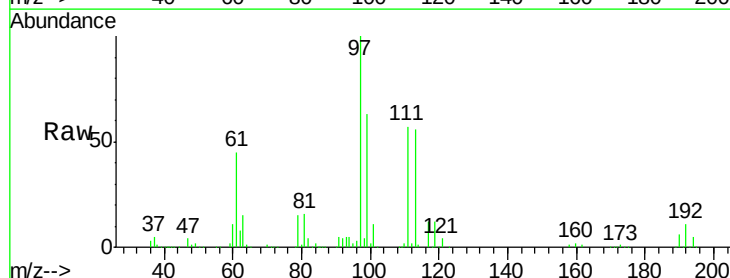
RT: 5.51 min Scan# 807

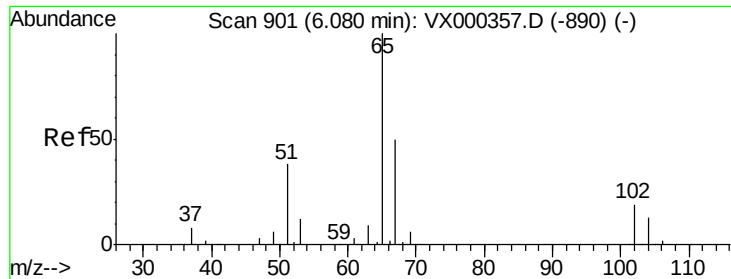
Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Tgt Ion:	97	Resp:	235775
Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.1	78.1
61	45.2	36.2	54.4





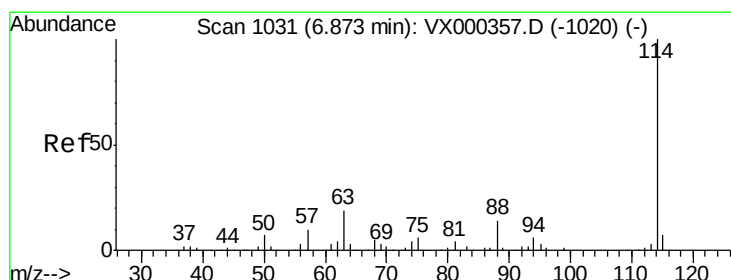
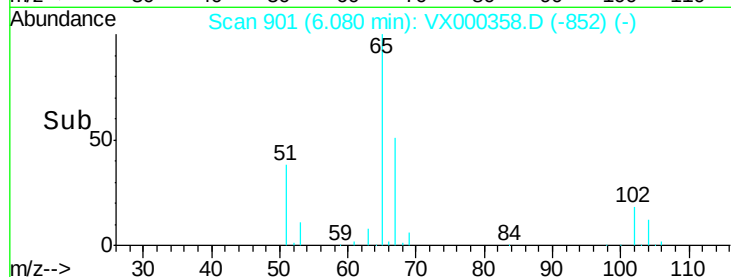
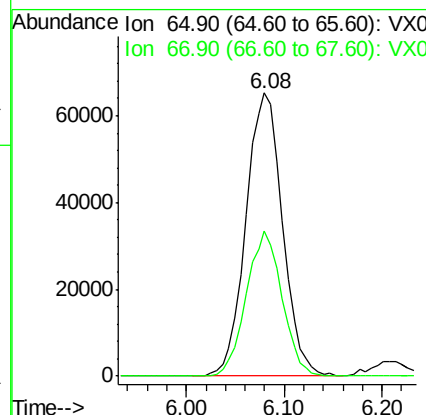
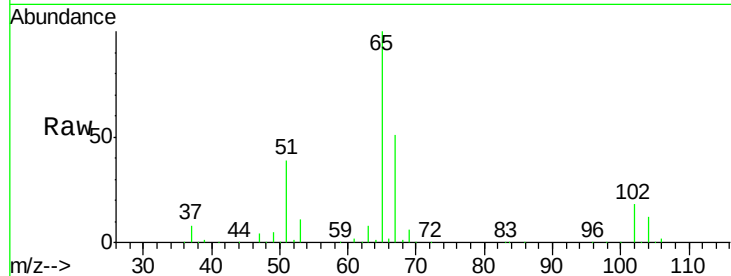
#33
 1,2-Dichloroethane-d4
 Concen: 91.04 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	103.2

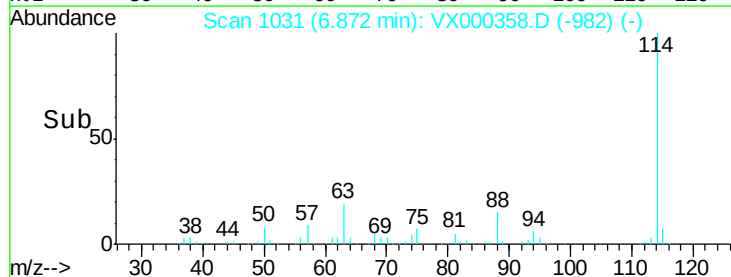
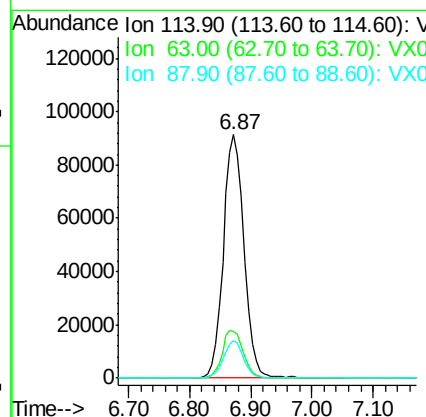
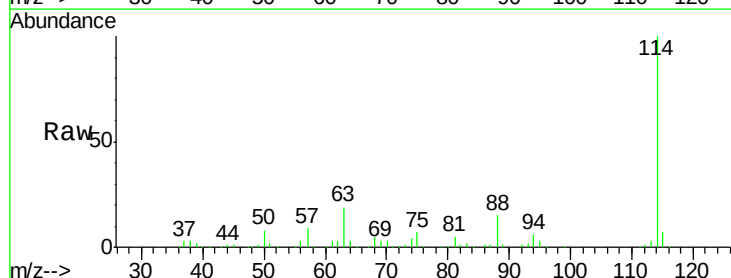
Manual Integrations
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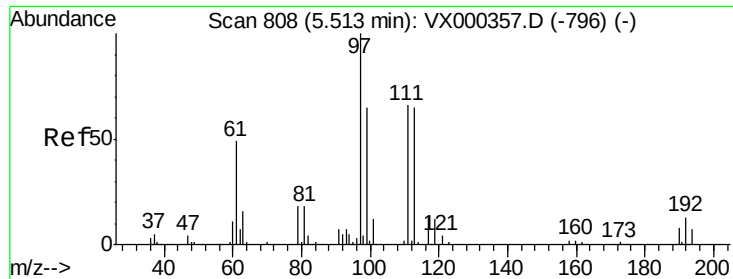
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.4
88	15.4	0.0	27.0





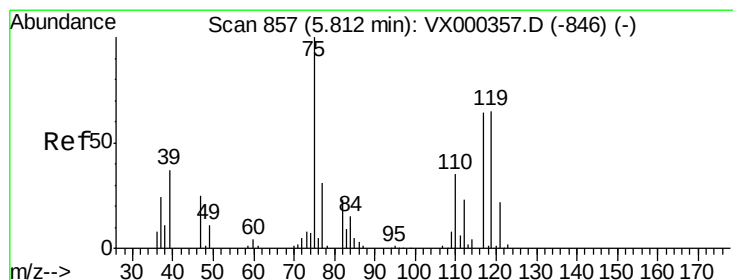
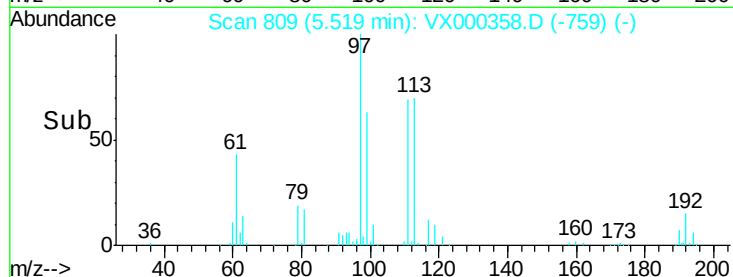
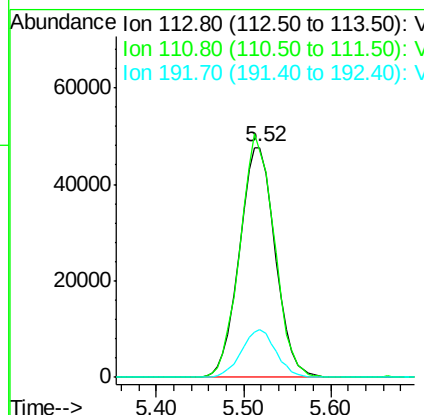
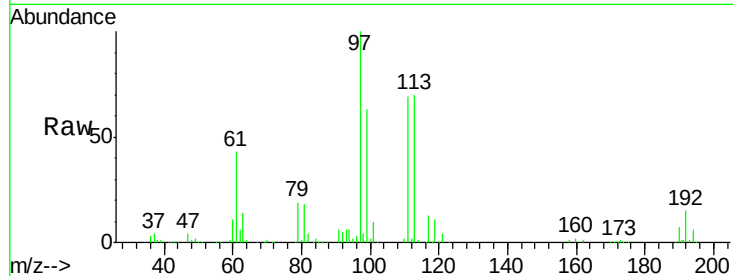
#35
 Dibromofluoromethane
 Concen: 100.33 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	135615		
111	101.3	82.4	123.6	
192	20.1	15.8	23.6	

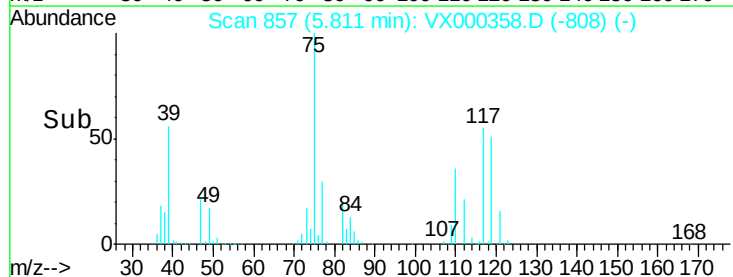
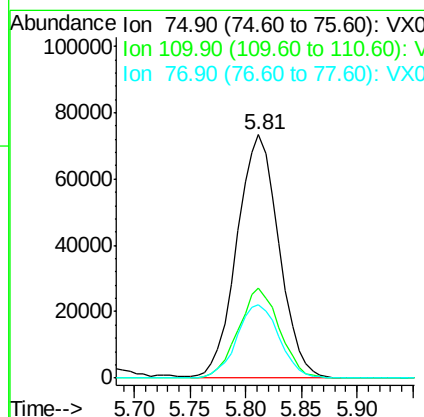
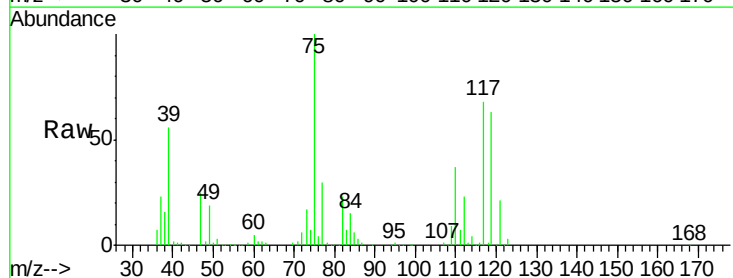
Manual Integrations
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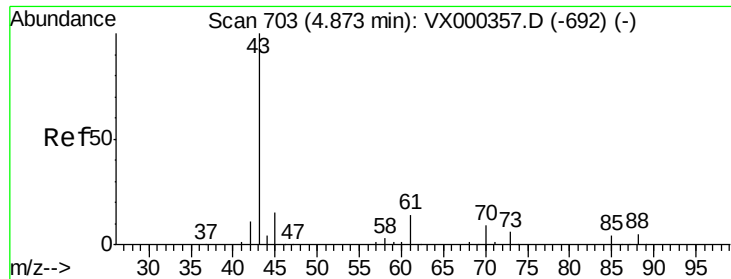
sam
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#36
 1,1-Dichloropropene
 Concen: 98.21 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	191161		
110	36.7	17.9	53.7	
77	31.0	24.0	36.0	





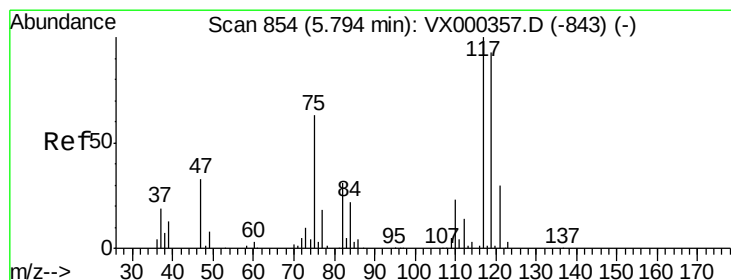
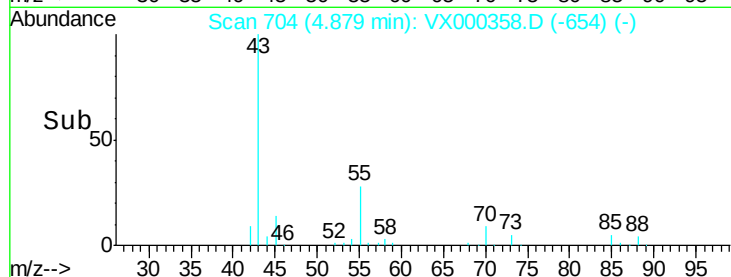
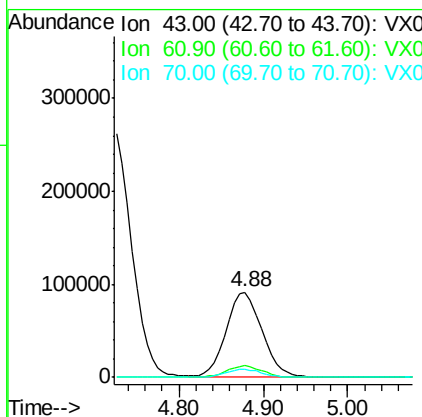
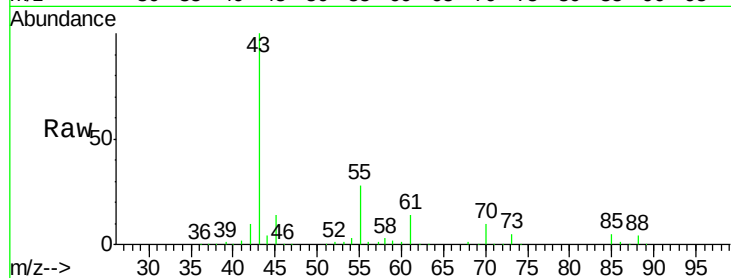
#37
Ethyl Acetate
Concen: 102.19 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.1	16.7
70	9.4	7.7	11.5

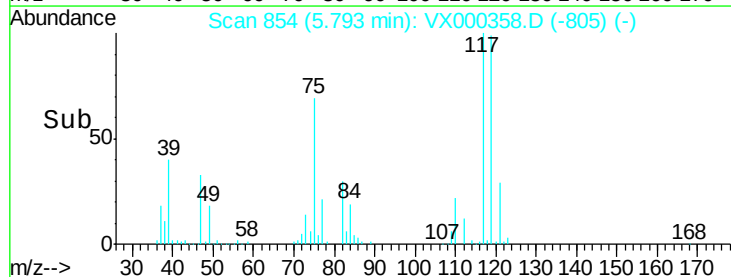
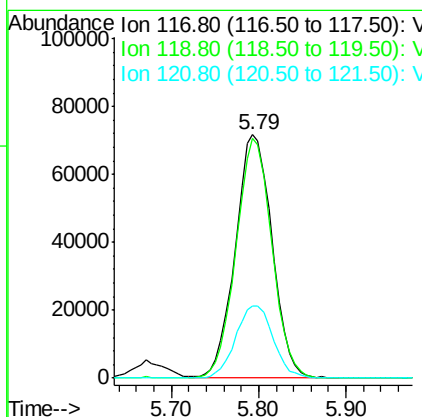
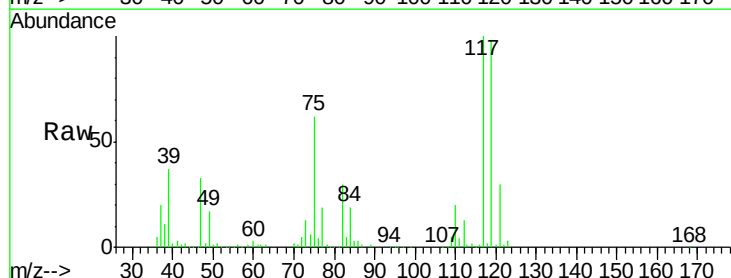
Manual Integrations
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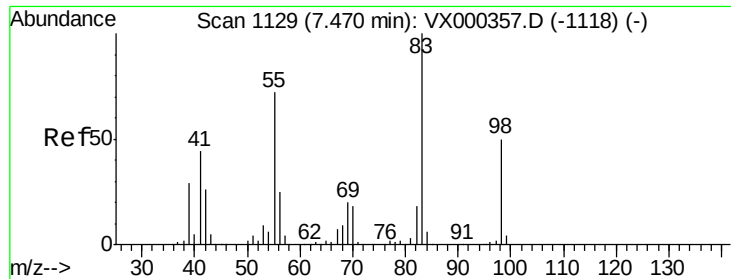
sam
3/21/2018 11:44:10 AM



#38
Carbon Tetrachloride
Concen: 107.04 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.4	116.2
121	29.6	24.8	37.2





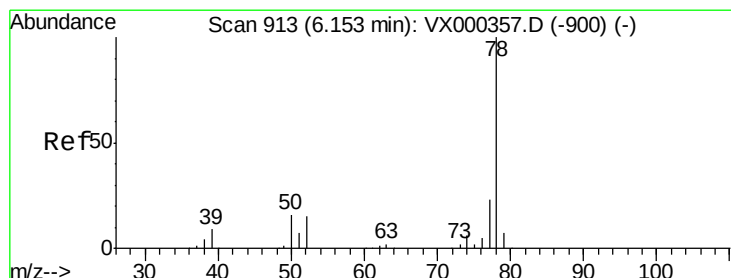
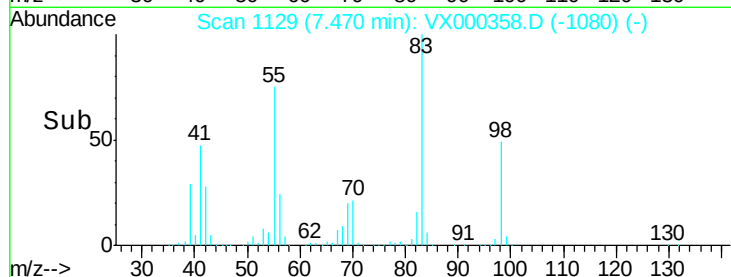
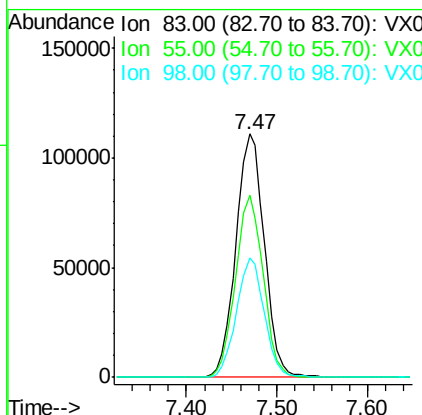
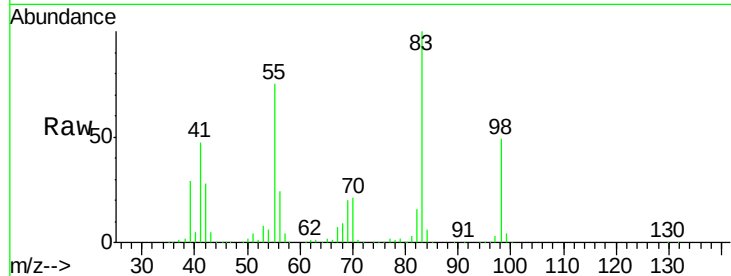
#39
Methylvlcyclohexane
Concen: 106.46 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	241699		
55	74.6		55.5	83.3
98	49.2		38.2	57.4

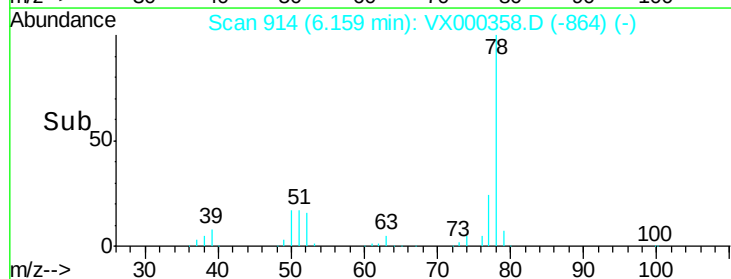
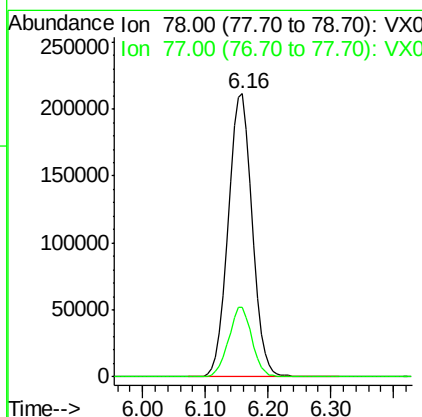
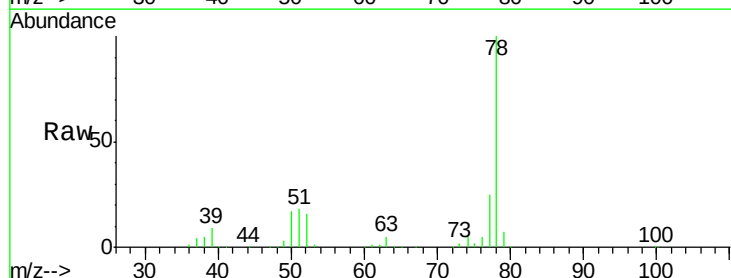
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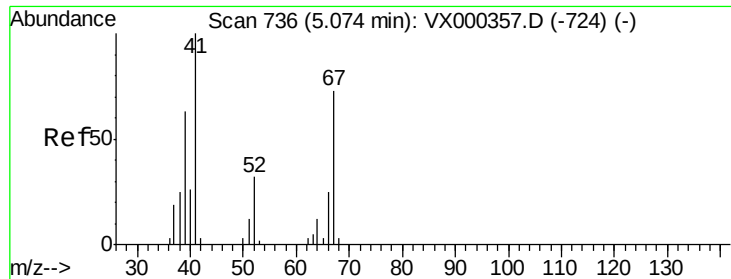
3/21/2018 11:44:10 AM



#40
Benzene
Concen: 101.35 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.01 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	559674		
77	24.5		18.7	28.1





#41

Methacrylonitrile

Concen: 100.30 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

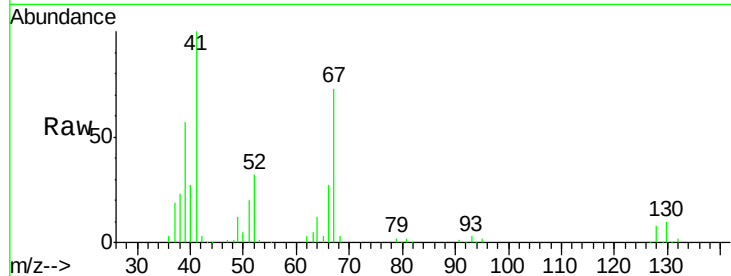
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	136244
Ion	Ratio	Lower	Upper
41	100		
39	57.8	45.7	68.5
67	74.5	57.8	86.8
52	32.4	26.7	40.1

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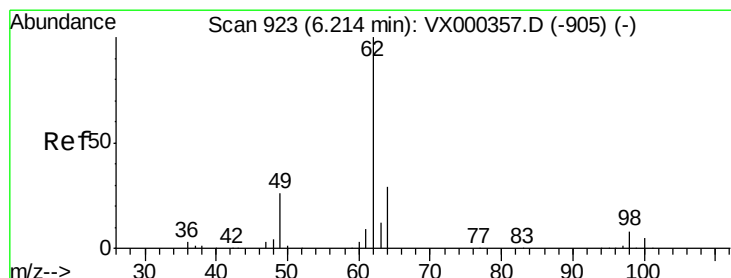
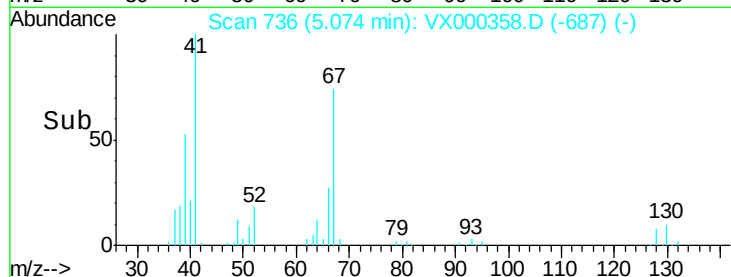
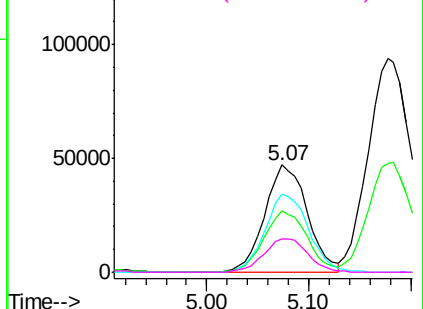
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 98.38 ug/l

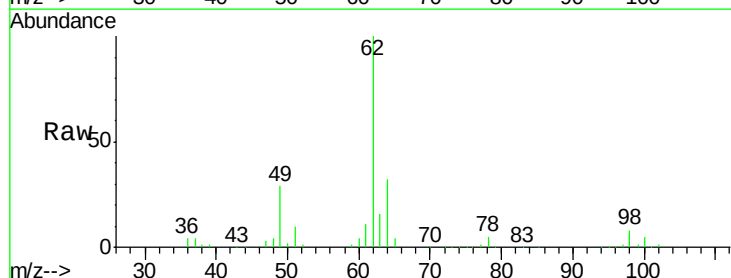
RT: 6.21 min Scan# 922

Delta R.T. -0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

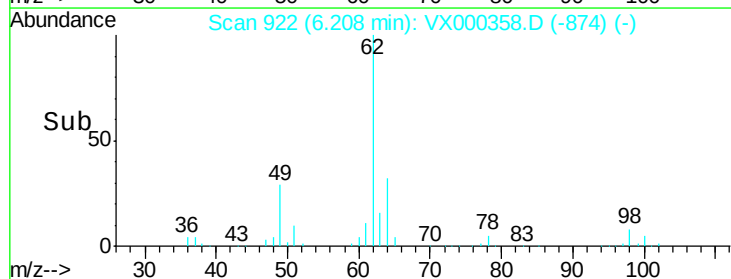
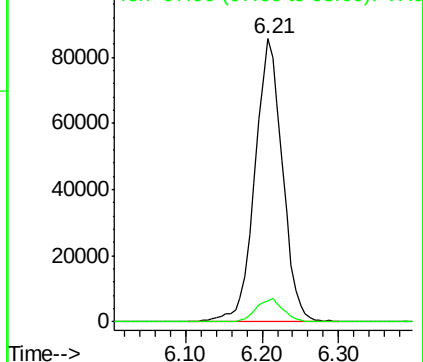
Tgt Ion:	62	Resp:	215329
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8

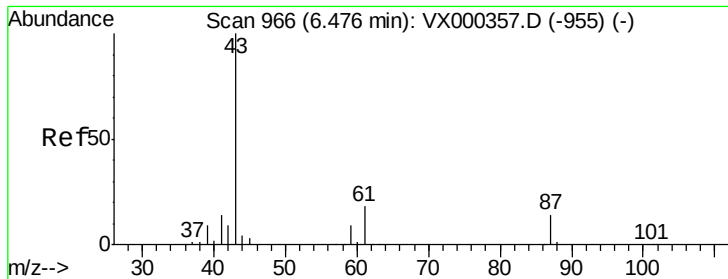


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

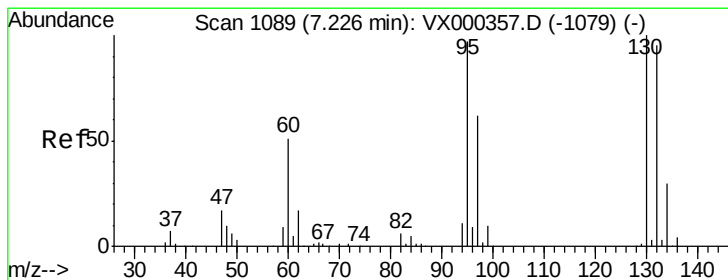
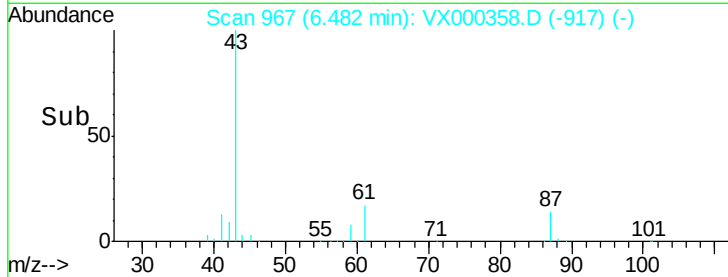
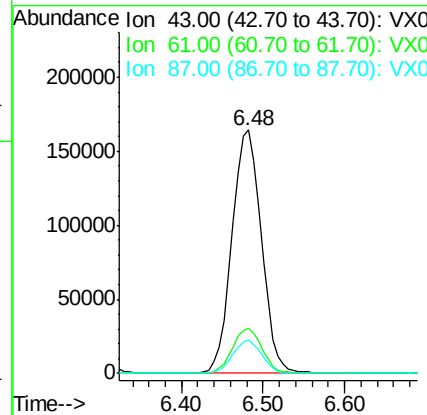
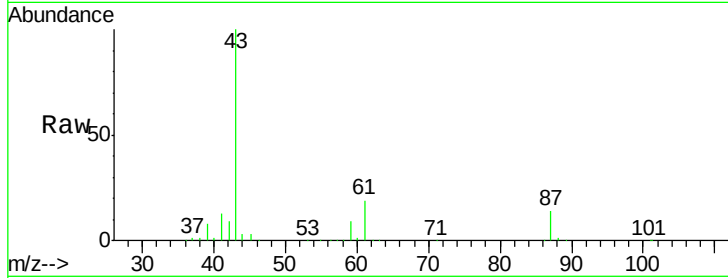
Isopropyl Acetate
 Concen: 109.40 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	43	Resp	408470
Ion Ratio	Lower	Upper	
43	100		
61	18.6	14.4	21.6
87	13.4	11.0	16.4

Manual Integrations
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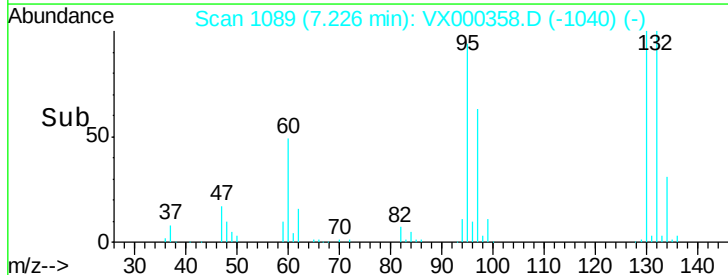
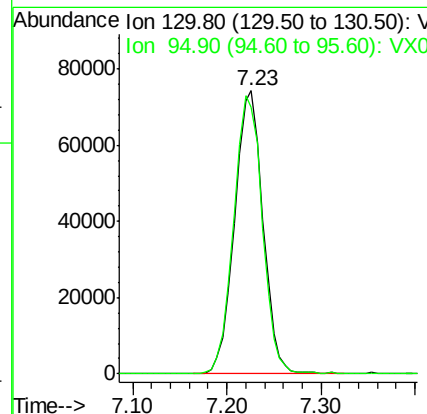
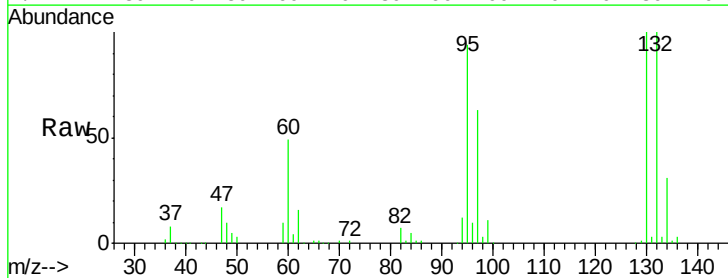
sam
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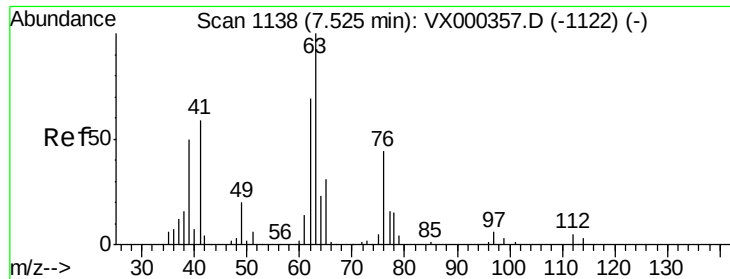


#44

Trichloroethene
 Concen: 97.23 ug/l
 RT: 7.23 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion	130	Resp	155589
Ion Ratio	Lower	Upper	
130	100		
95	94.2	0.0	186.0





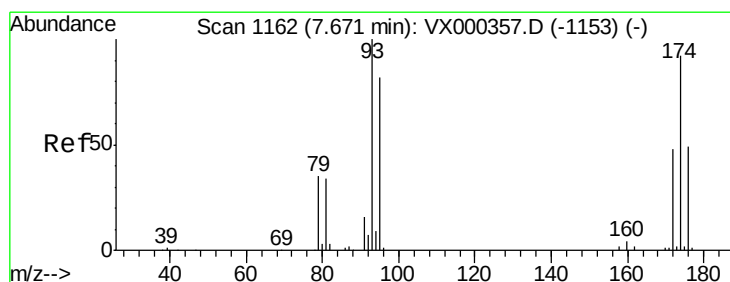
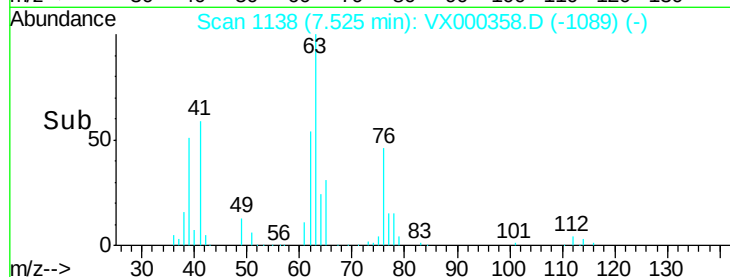
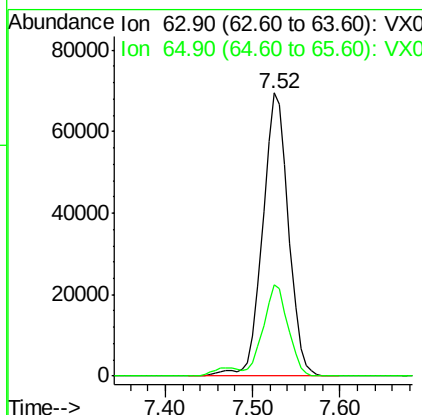
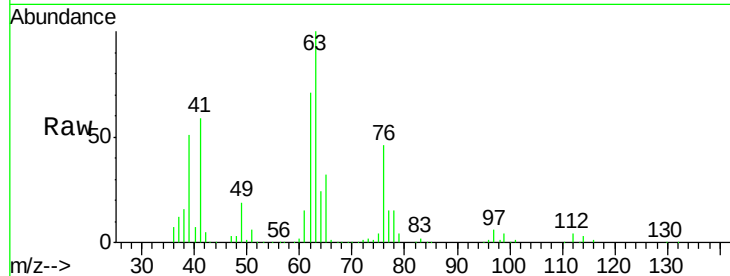
#45
 1,2-Dichloropropane
 Concen: 104.94 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 142913
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 36.8

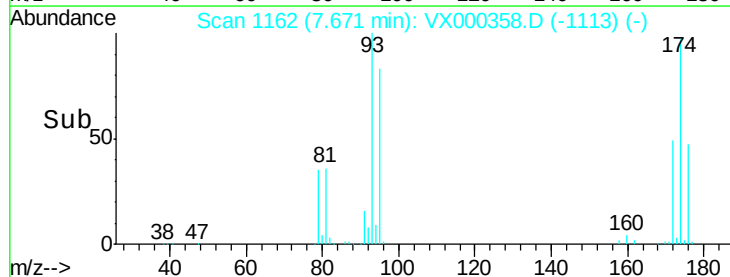
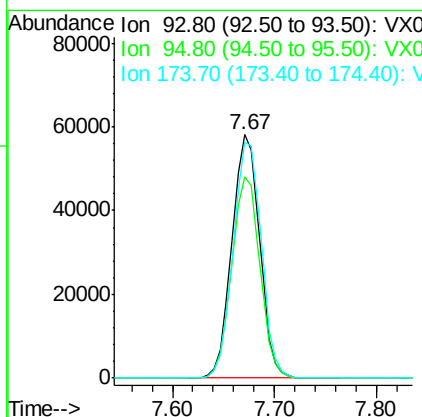
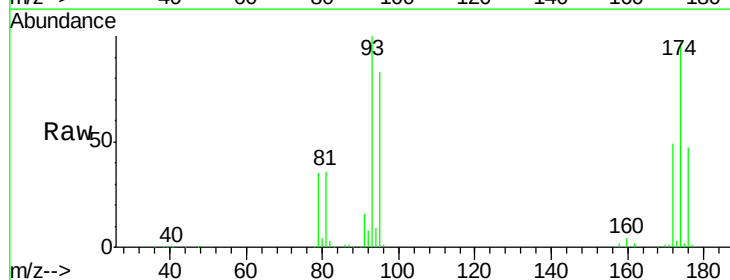
Manual Integrations
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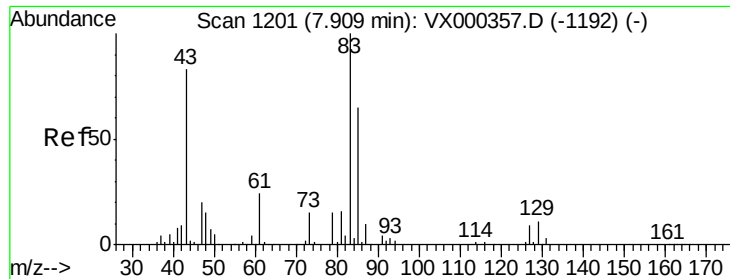
sam
 3/21/2018 11:44:10 AM



#46
 Dibromomethane
 Concen: 99.73 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion: 93 Resp: 109109
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.5 99.7
 174 98.7 76.0 114.0





#47

Bromodichloromethane

Concen: 108.39 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

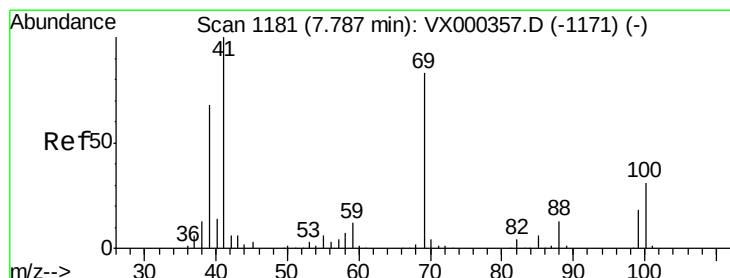
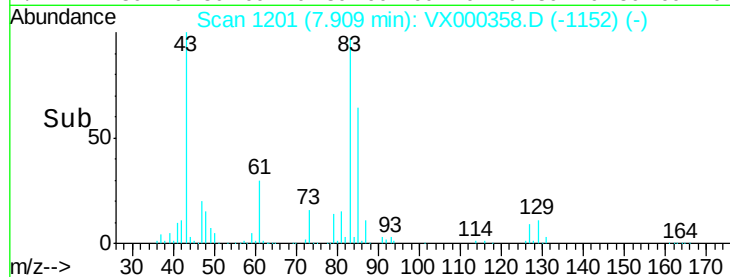
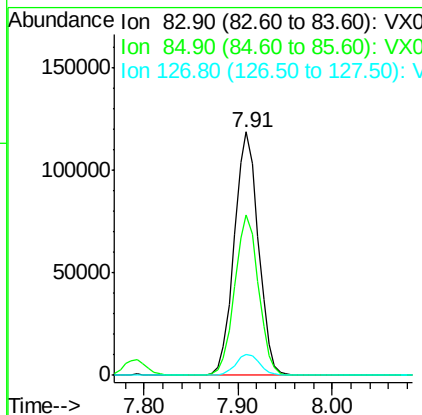
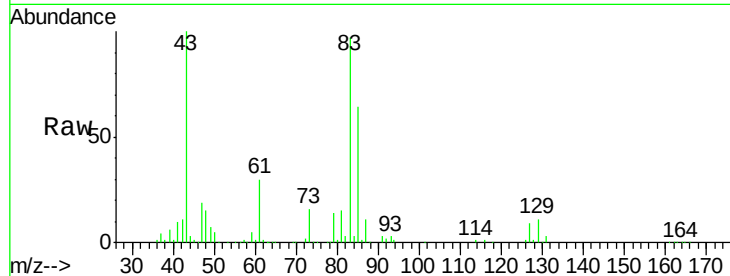
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	210508
Ion Ratio	Lower	Upper	
83	100		
85	65.9	51.4	77.0
127	8.8	7.0	10.6

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 105.95 ug/l

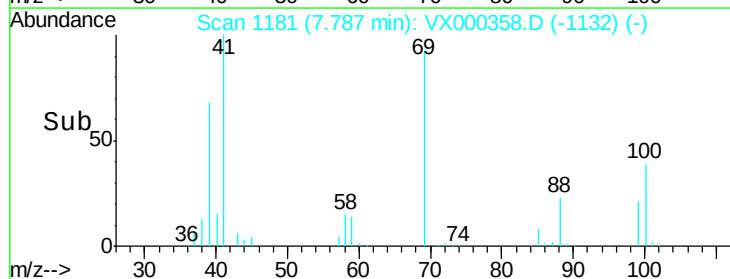
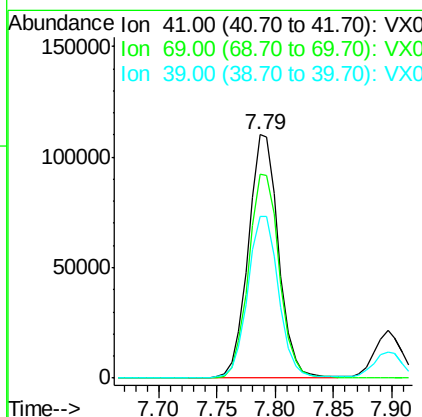
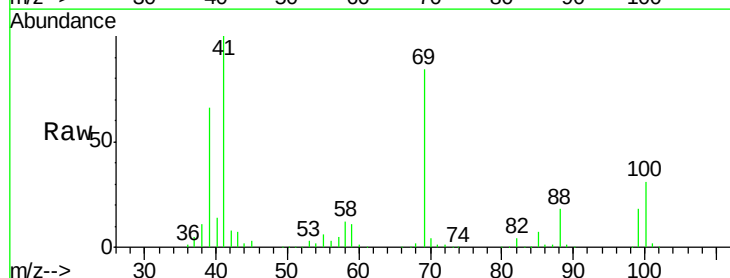
RT: 7.79 min Scan# 1181

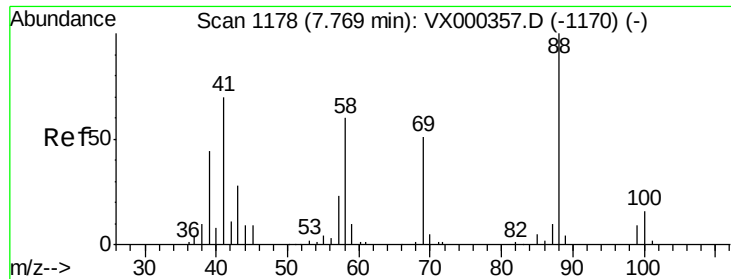
Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Tgt Ion:	41	Resp:	200022
Ion Ratio	Lower	Upper	
41	100		
69	85.2	68.2	102.4
39	67.5	54.6	81.8





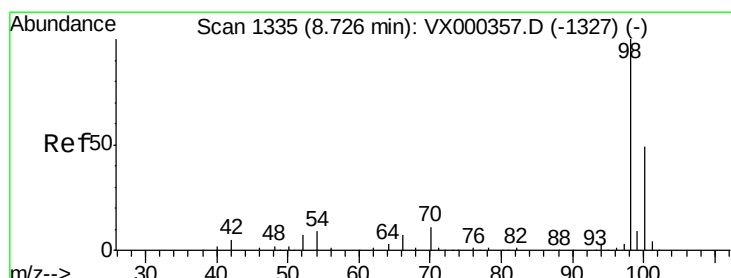
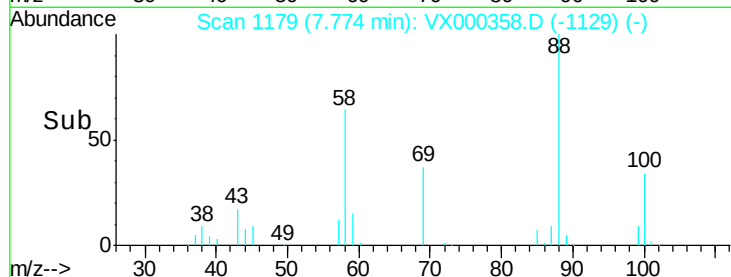
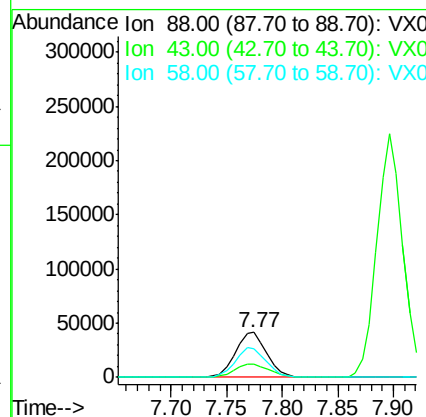
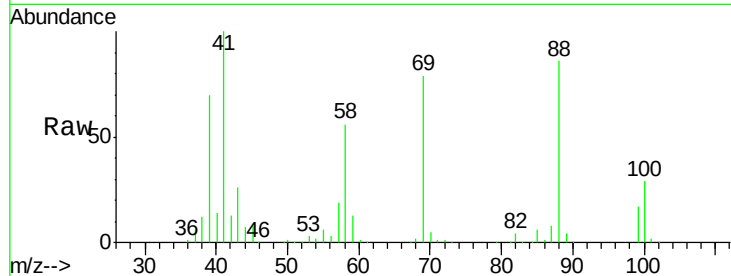
#49
1,4-Dioxane
Concen: 1889.29 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	26.8	40.2
58	66.2	52.2	78.2

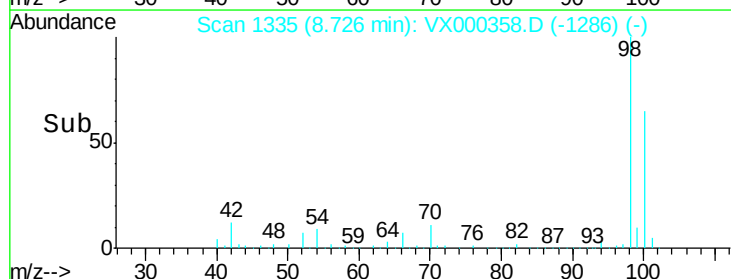
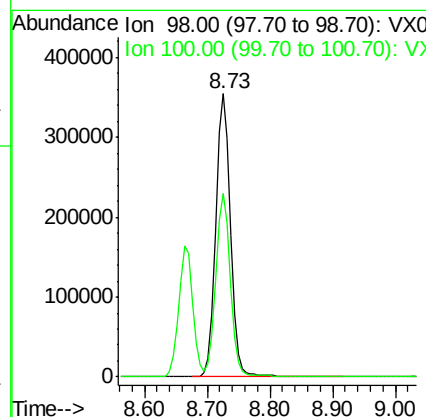
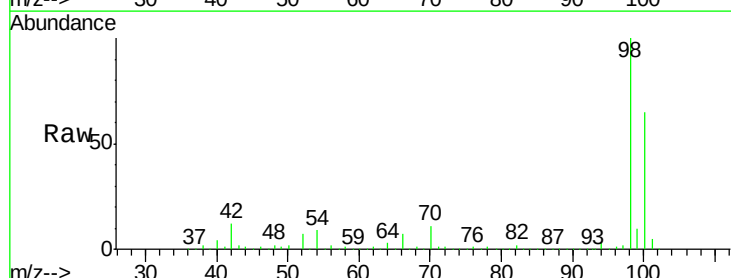
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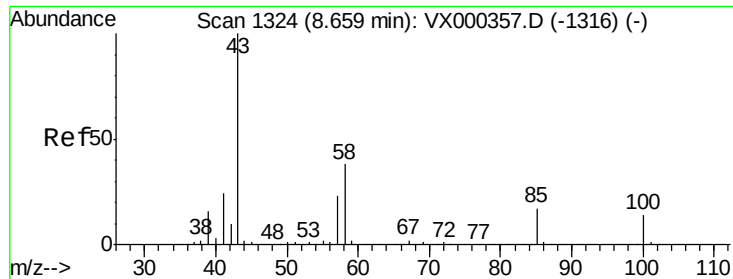
sam
3/21/2018 11:44:10 AM



#50
Toluene-d8
Concen: 101.74 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 565.18 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1638787

Ion Ratio Lower Upper

43 100

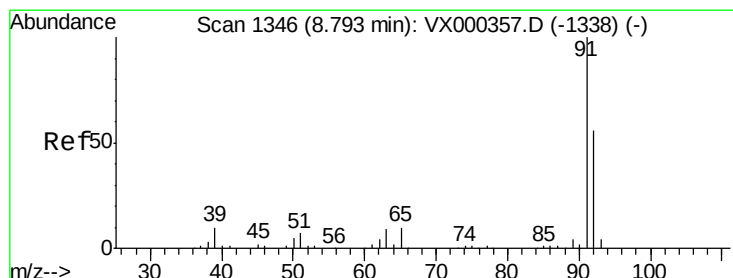
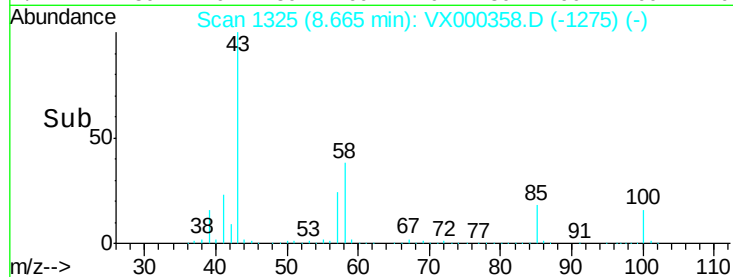
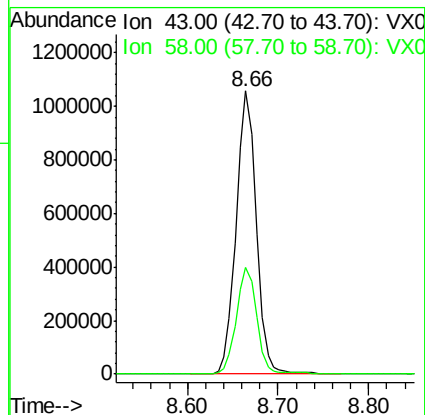
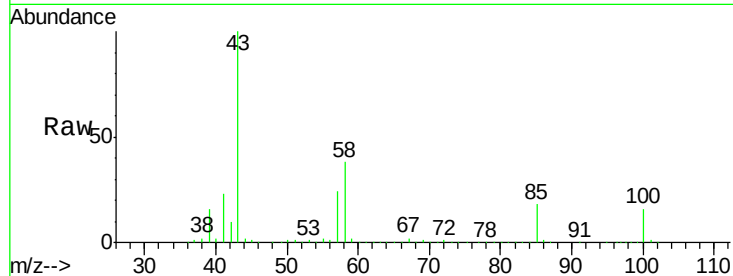
58 37.7 30.3 45.5

Manual Integrations

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sam

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#52

Toluene

Concen: 107.67 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000358.D

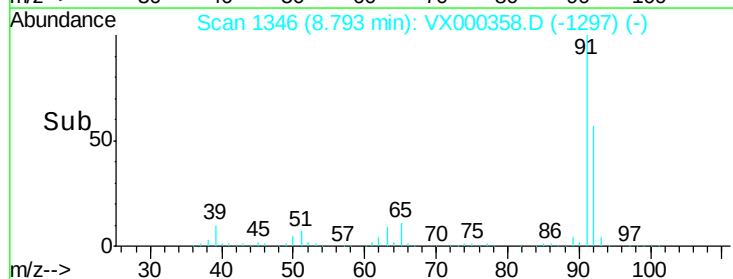
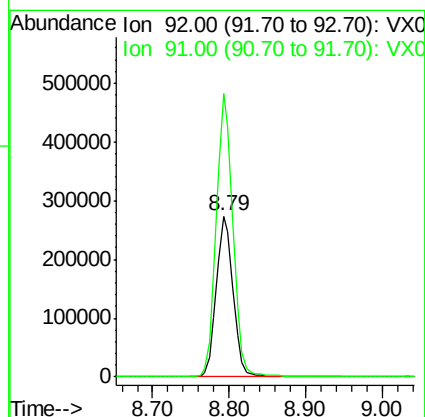
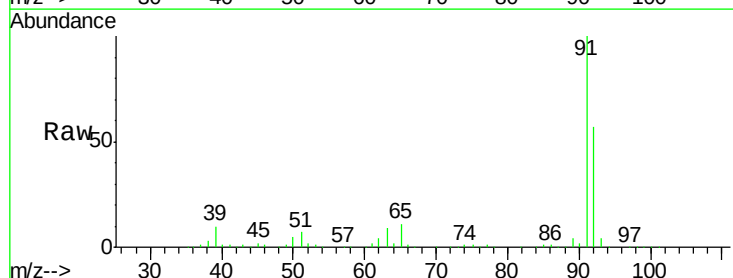
Acq: 20 Mar 2018 12:10

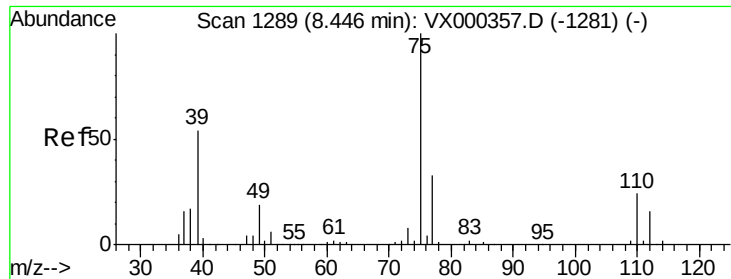
Tgt Ion: 92 Resp: 417686

Ion Ratio Lower Upper

92 100

91 174.4 140.2 210.2





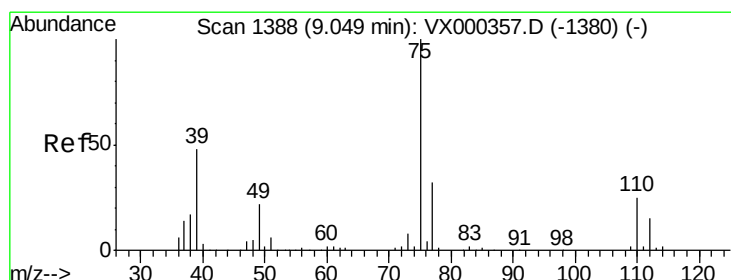
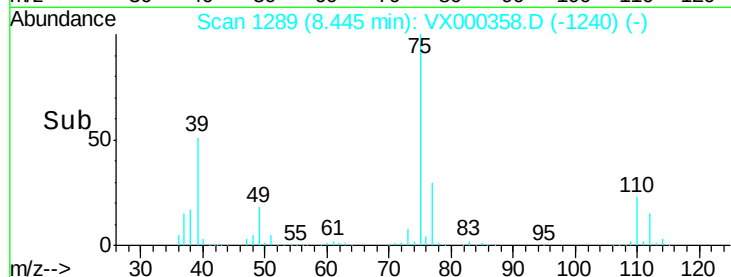
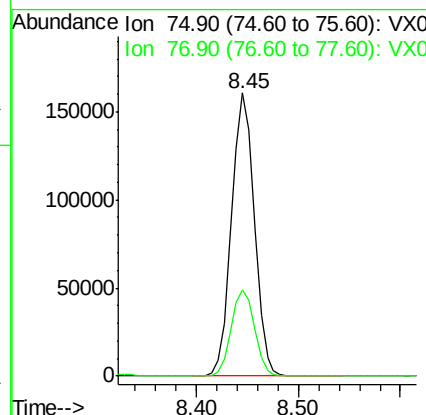
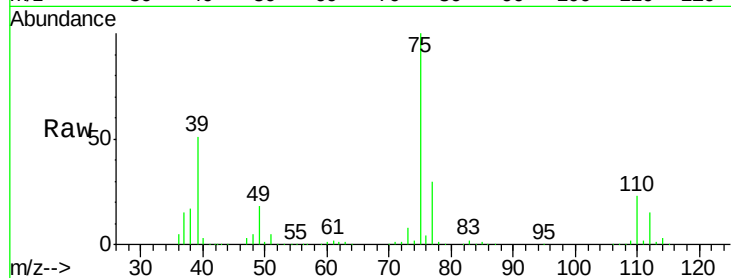
#53
 t-1,3-Dichloropropene
 Concen: 110.79 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 248332
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.0 36.0

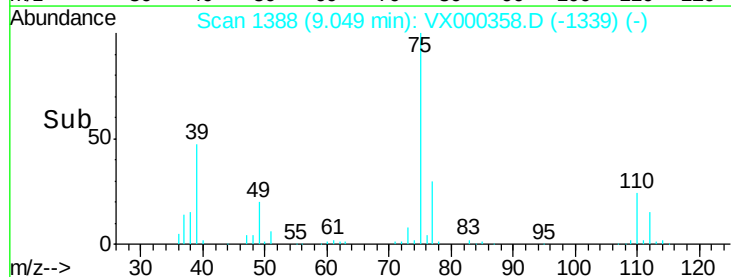
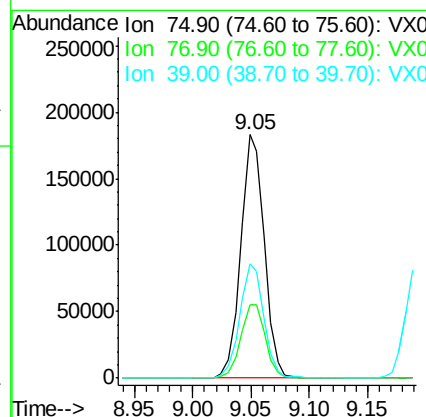
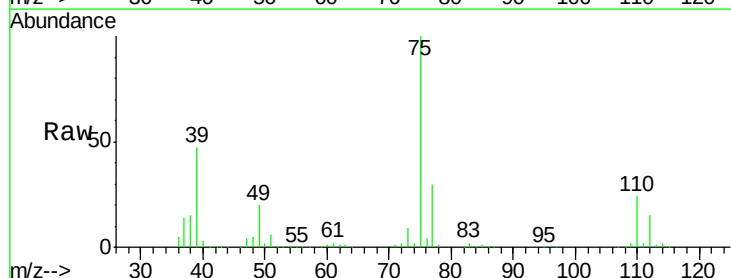
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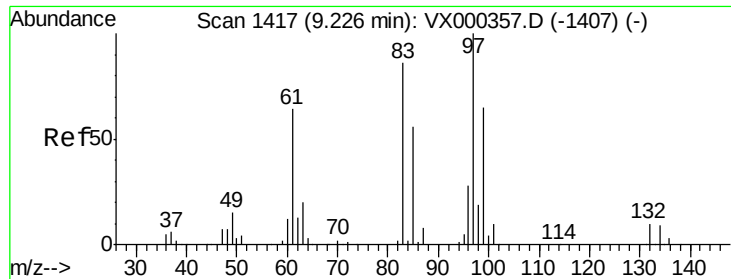
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 117.16 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion: 75 Resp: 256817
 Ion Ratio Lower Upper
 75 100
 77 29.9 26.1 39.1
 39 47.0 39.8 59.6





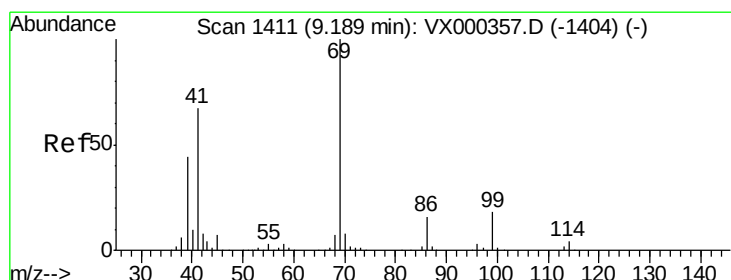
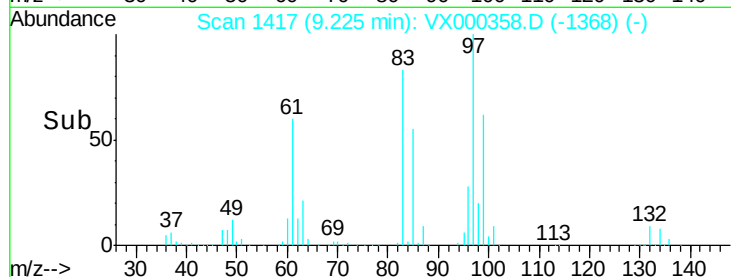
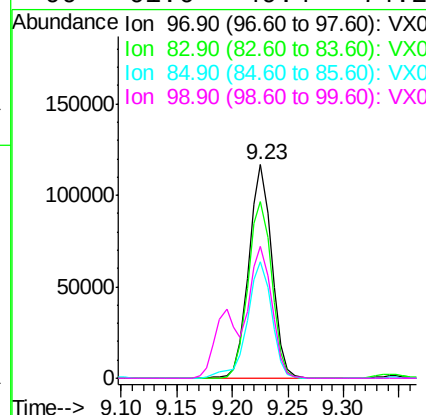
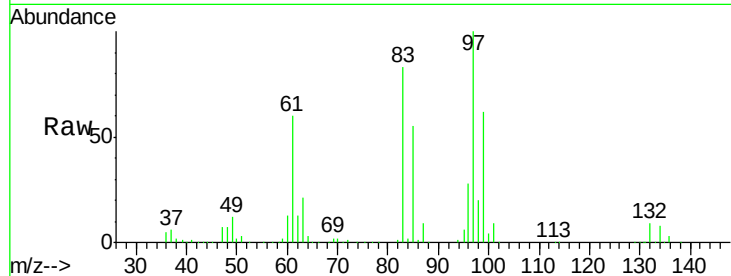
#55
 1,1,2-Trichloroethane
 Concen: 108.32 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	168591
Ion Ratio	Lower	Upper	
97	100		
83	82.6	67.9	101.9
85	54.5	42.8	64.2
99	61.6	49.4	74.2

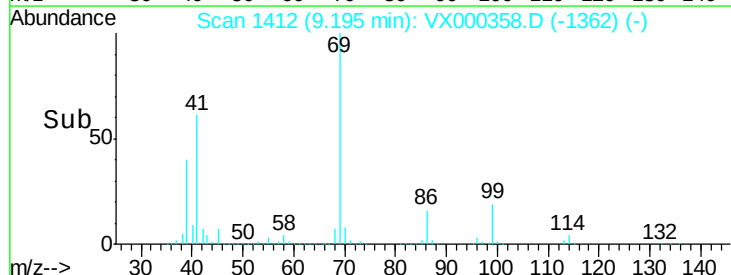
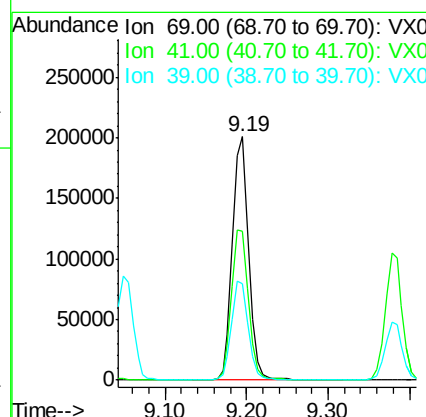
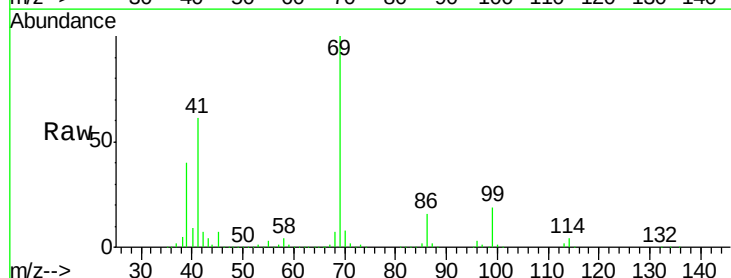
Manual Integrations
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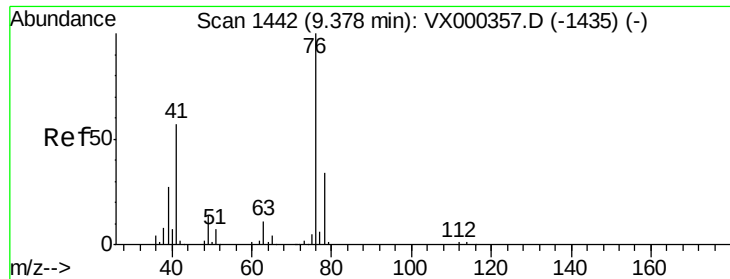
sam
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#56
 Ethyl methacrylate
 Concen: 118.93 ug/l
 RT: 9.19 min Scan# 1412
 Delta R.T. 0.01 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion:	69	Resp:	274097
Ion Ratio	Lower	Upper	
69	100		
41	64.6	53.0	79.6
39	42.0	35.3	52.9





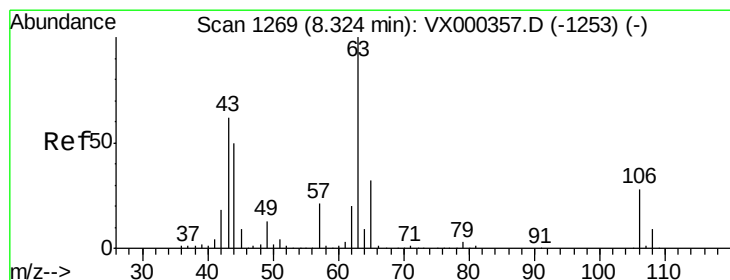
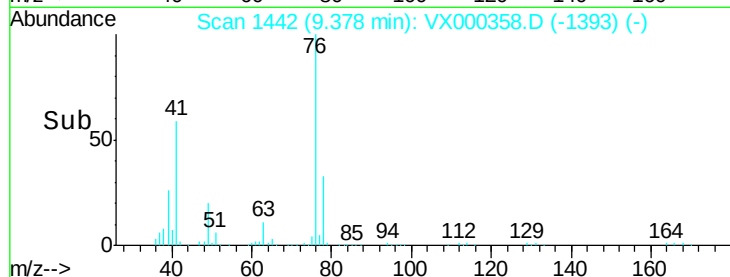
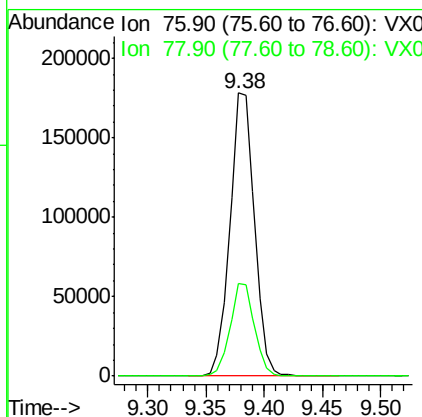
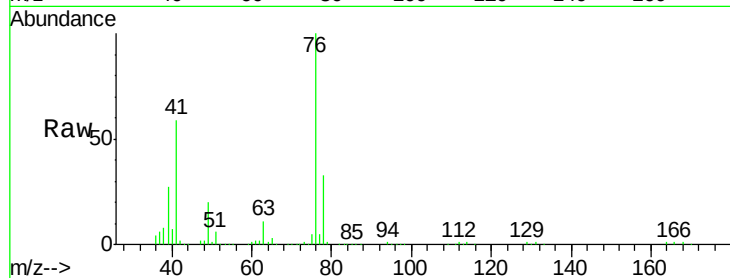
#57
 1,3-Dichloropropane
 Concen: 103.79 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.4	39.6

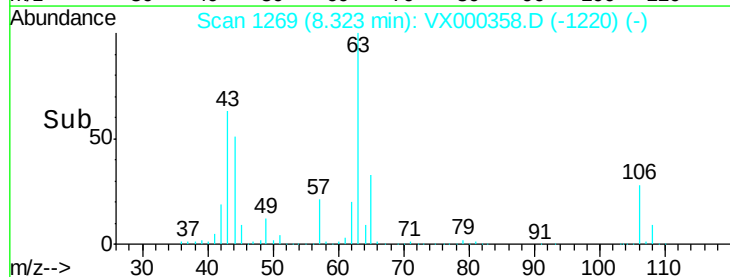
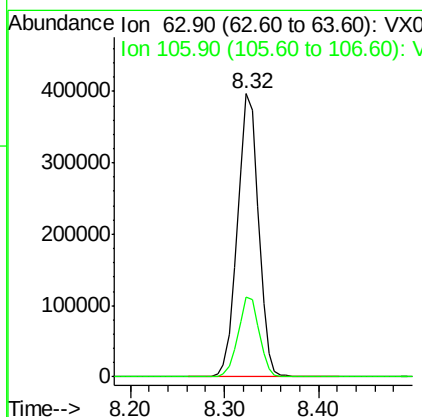
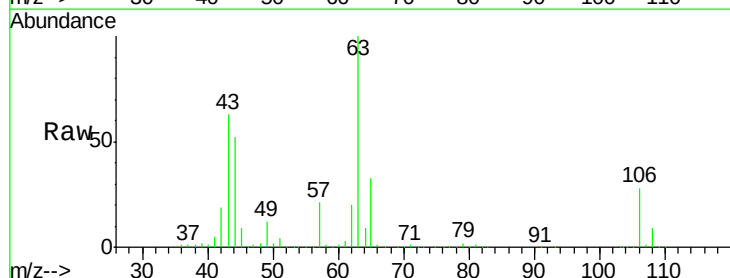
Manual Integrations
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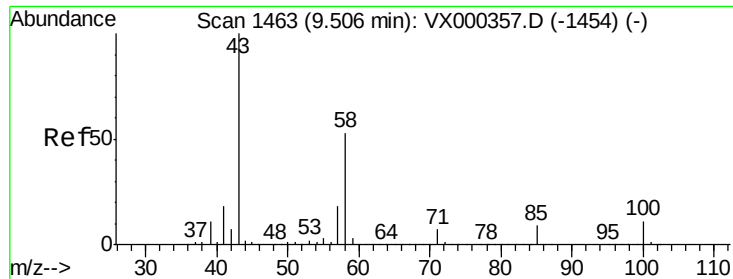
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 582.48 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.2	34.8





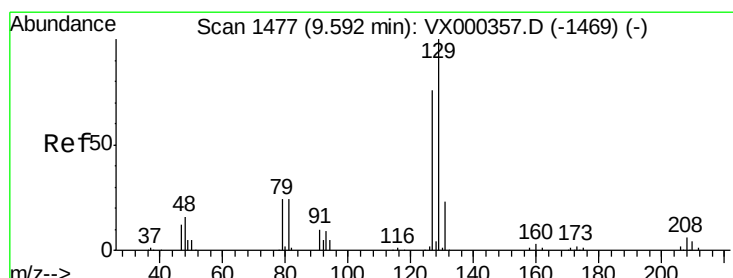
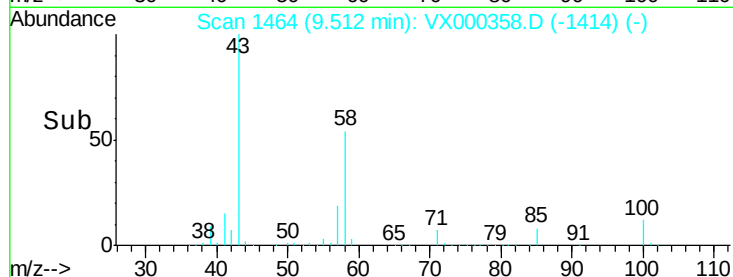
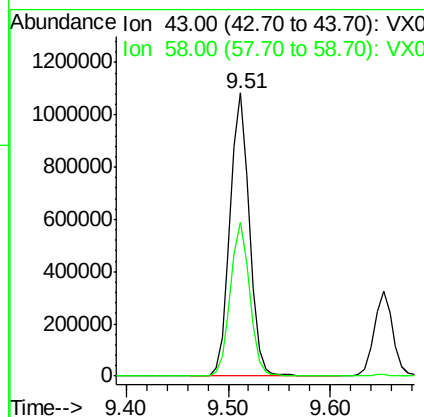
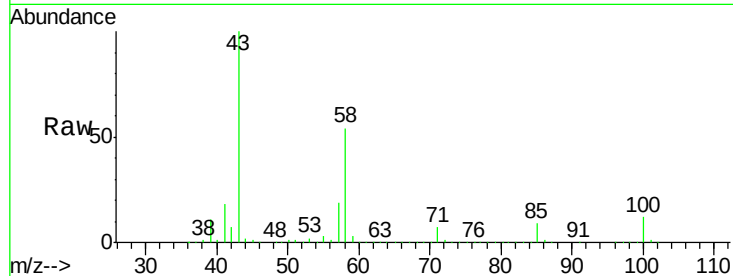
#59
2-Hexanone
Concen: 580.37 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1417810
Ion Ratio Lower Upper
43 100
58 54.1 26.6 79.7

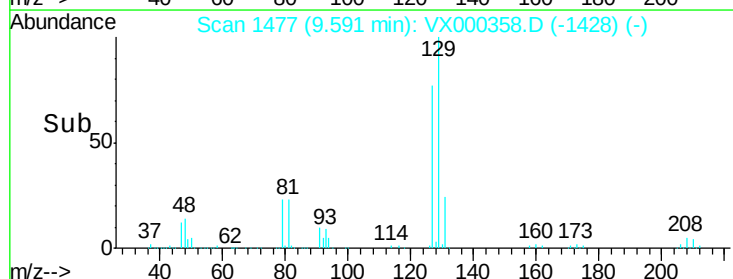
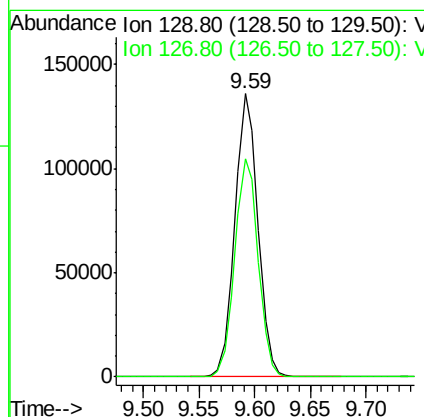
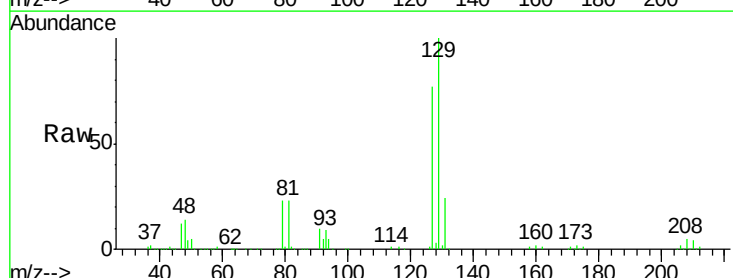
Manual Integrations
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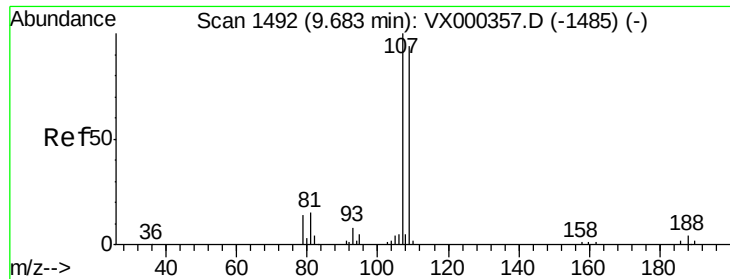
sam
3/21/2018 11:44:10 AM



#60
Dibromochloromethane
Concen: 118.20 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion: 129 Resp: 194540
Ion Ratio Lower Upper
129 100
127 78.2 37.9 113.6





#61

1,2-Dibromoethane

Concen: 109.29 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 188569

Ion Ratio Lower Upper

107 100

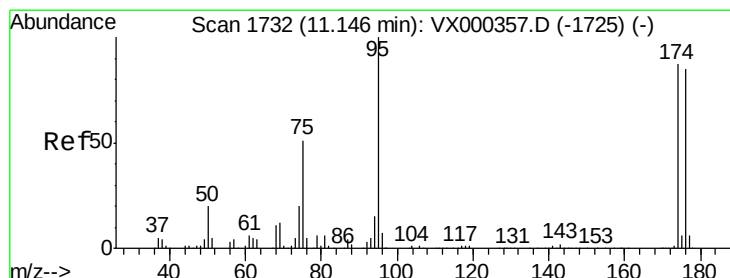
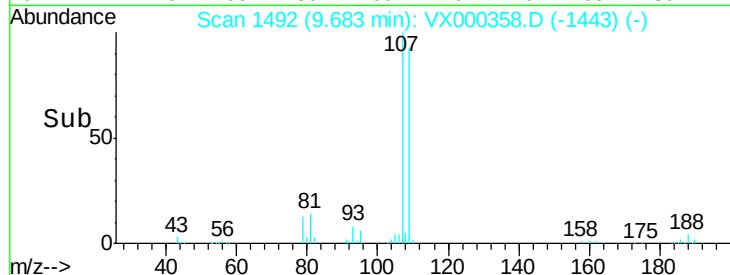
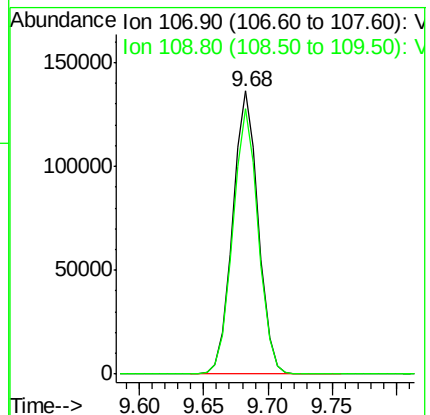
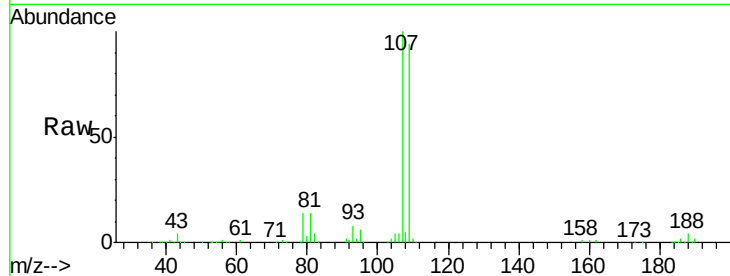
109 93.5 76.1 114.1

Manual Integrations

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sam

3/21/2018 11:44:10 AM



#62

4-Bromofluorobenzene

Concen: 106.35 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

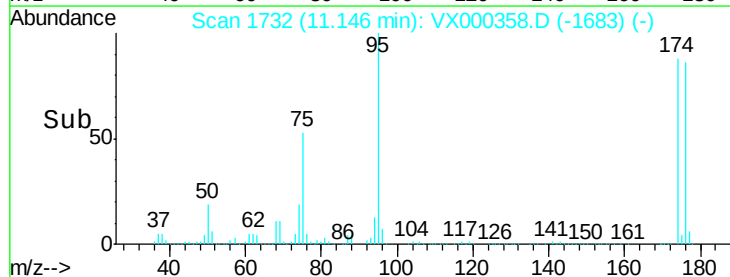
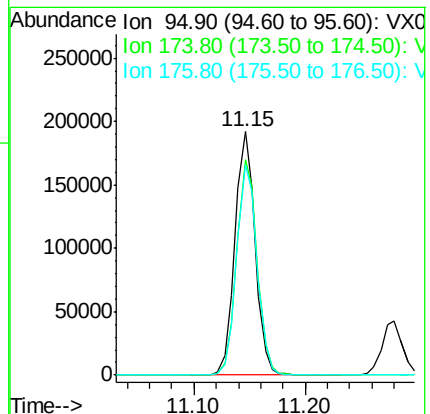
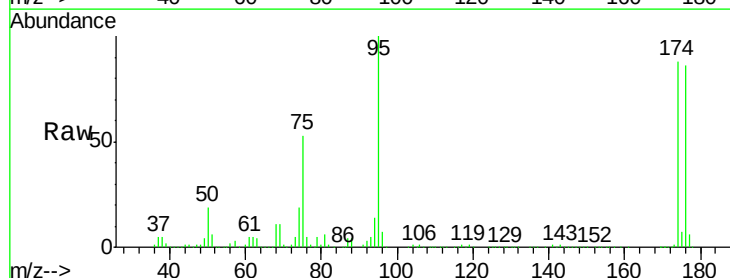
Tgt Ion: 95 Resp: 240459

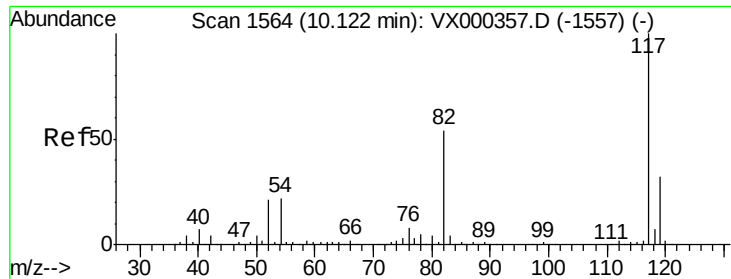
Ion Ratio Lower Upper

95 100

174 89.6 0.0 173.6

176 87.5 0.0 164.6





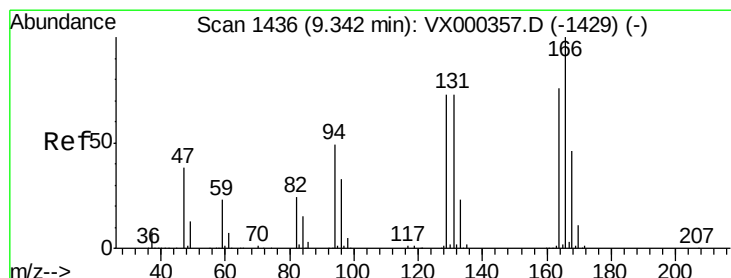
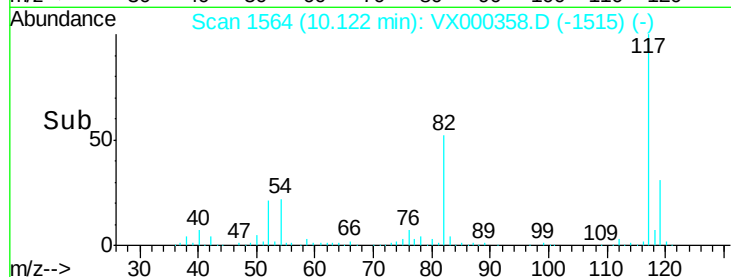
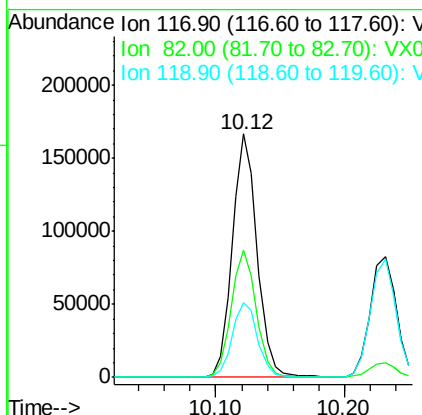
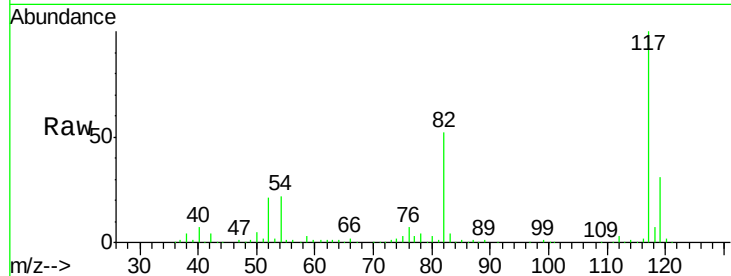
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.8	65.8
119	30.6	24.9	37.3

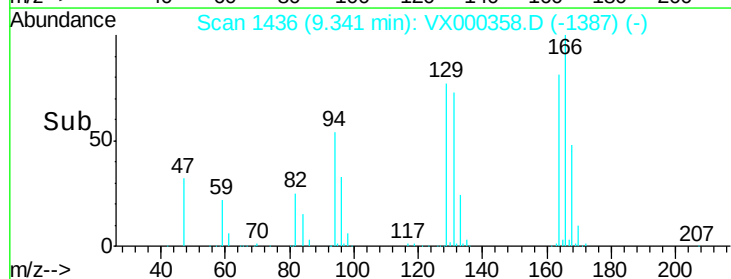
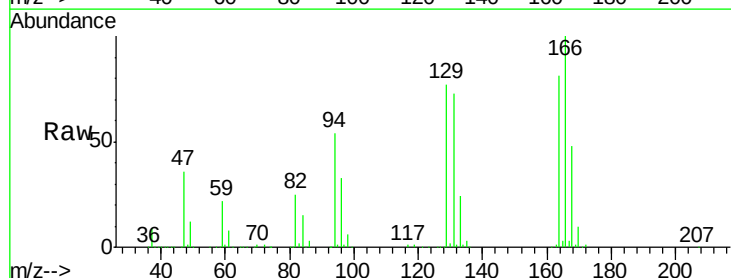
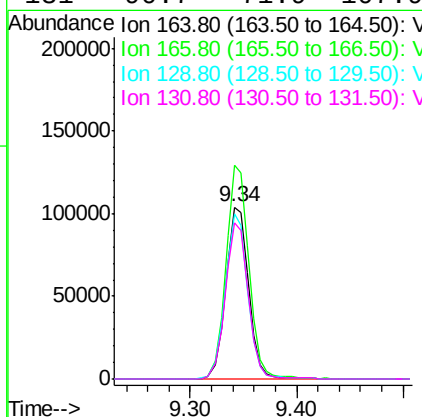
Manual Integrations
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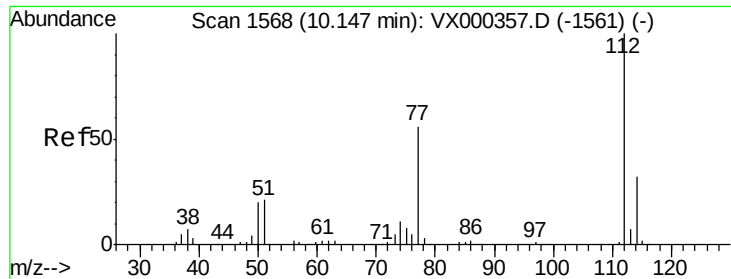
sam
3/21/2018 11:44:10 AM



#64
Tetrachloroethene
Concen: 97.59 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	101.0	151.6
129	96.1	79.0	118.4
131	90.7	71.9	107.9





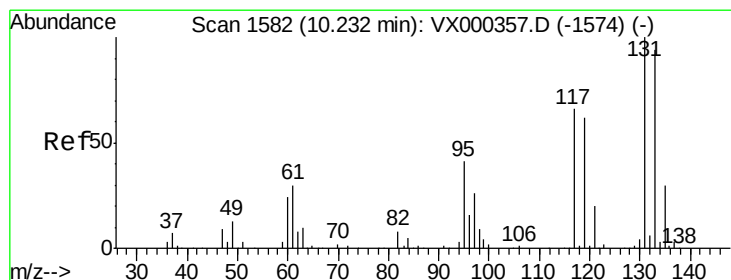
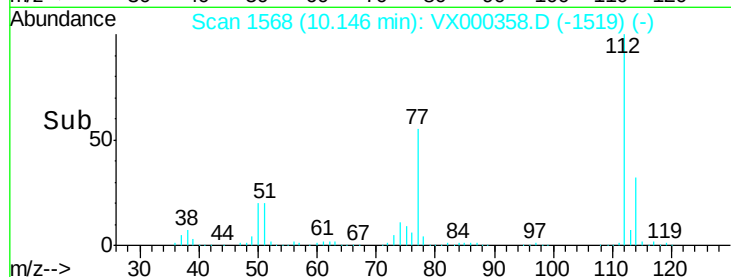
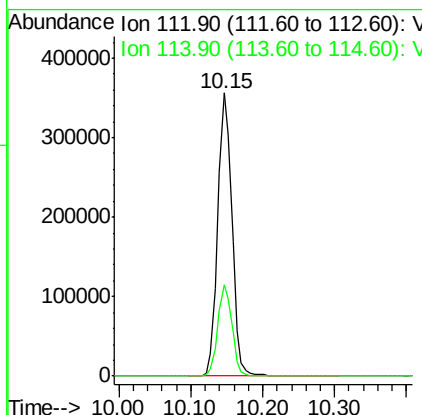
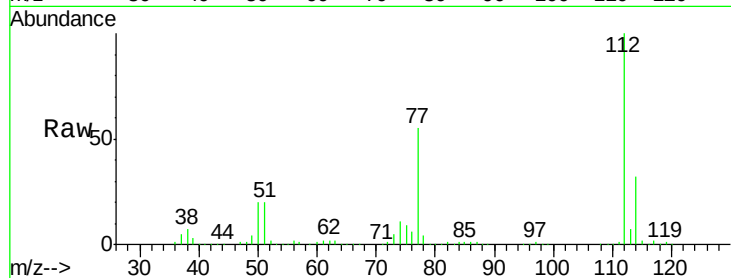
#65
Chlorobenzene
Concen: 106.48 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 485021
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

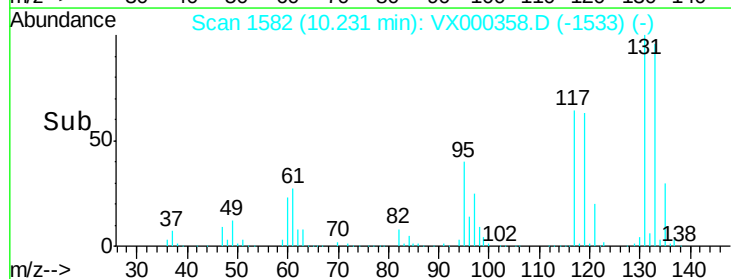
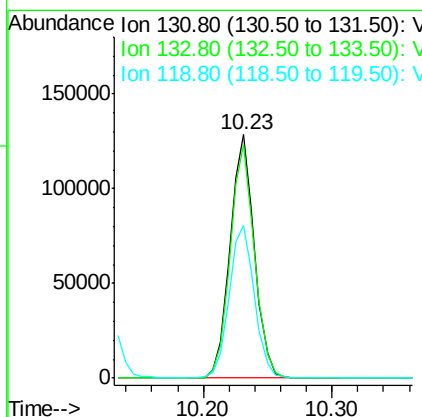
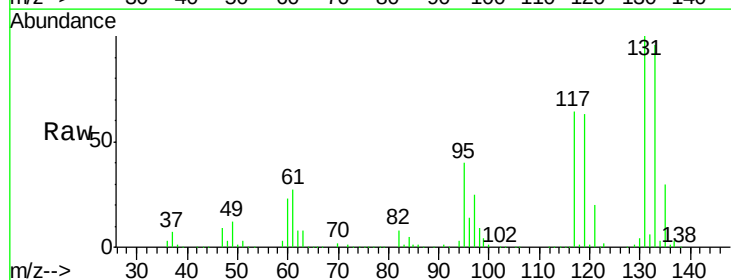
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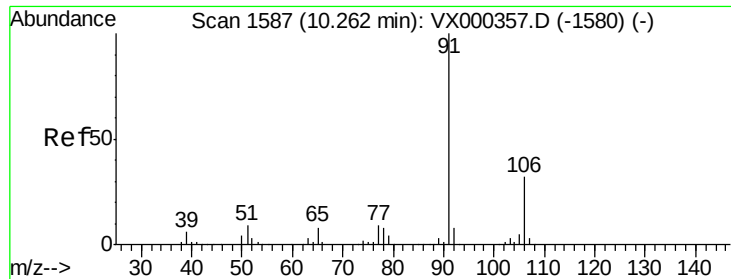
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 110.32 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion:131 Resp: 169008
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.3
119 65.3 33.1 99.2





#67

Ethyl Benzene

Concen: 106.41 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 826308

Ion Ratio Lower Upper

91 100

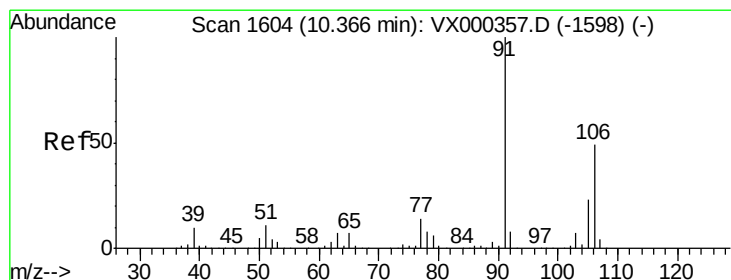
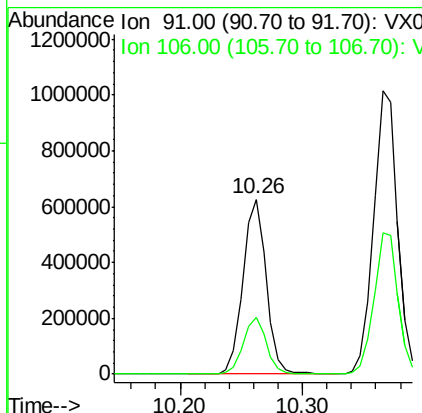
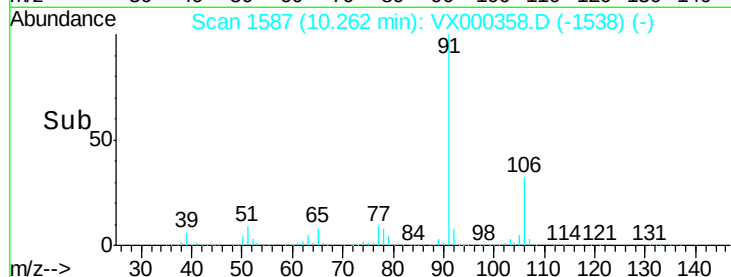
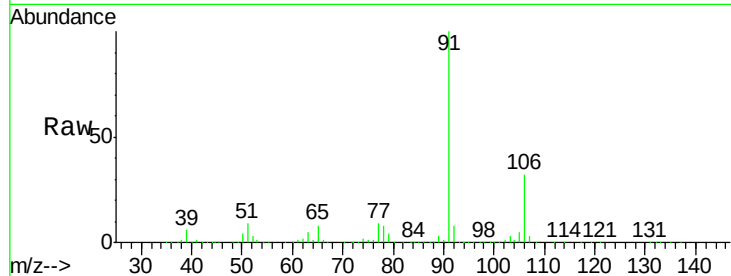
106 32.4 25.0 37.6

Manual Integrations

APPROVED

sam

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#68

m/p-Xylenes

Concen: 230.57 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000358.D

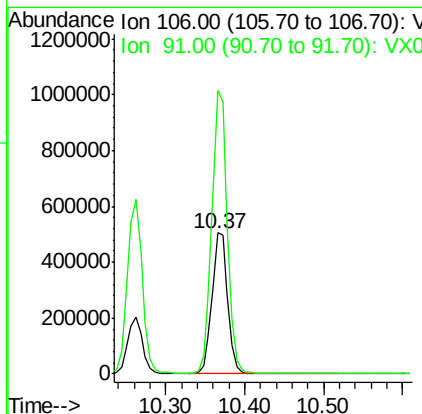
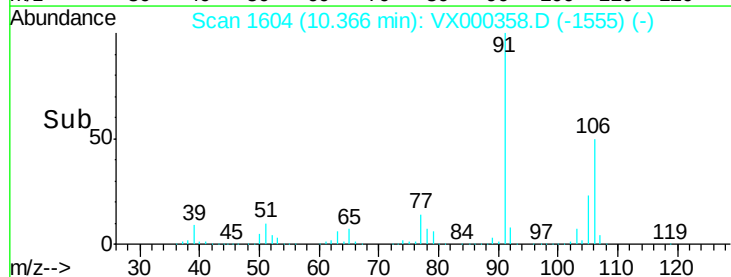
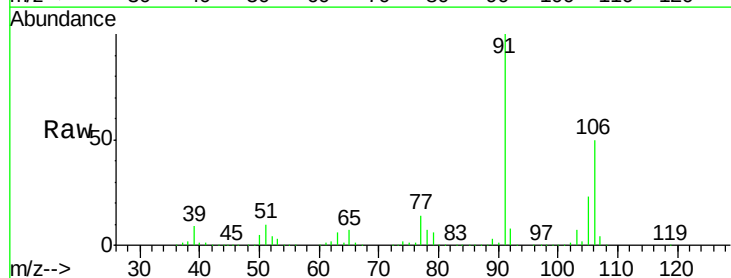
Acq: 20 Mar 2018 12:10

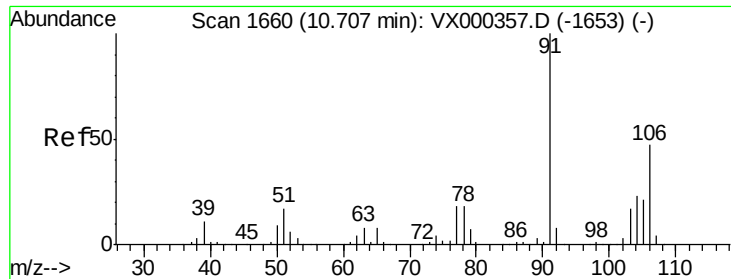
Tgt Ion: 106 Resp: 697592

Ion Ratio Lower Upper

106 100

91 198.9 163.4 245.2





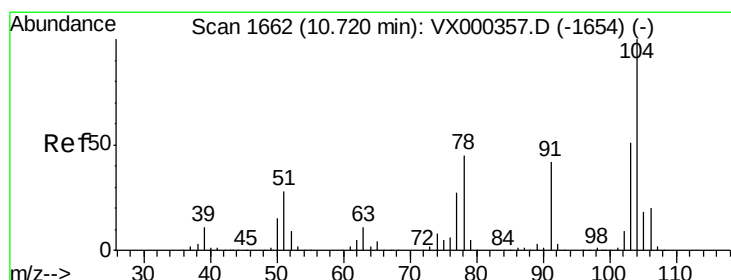
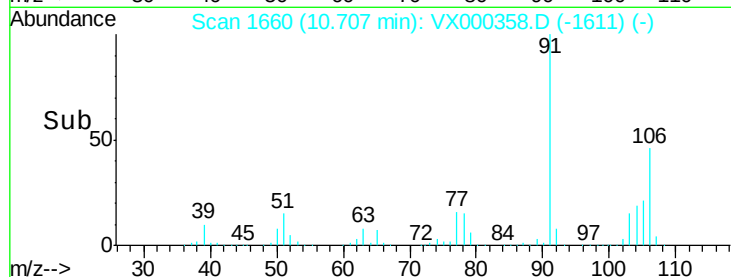
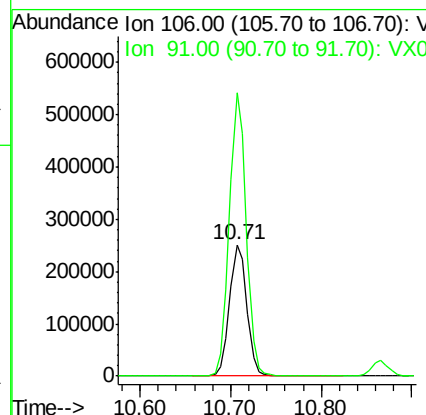
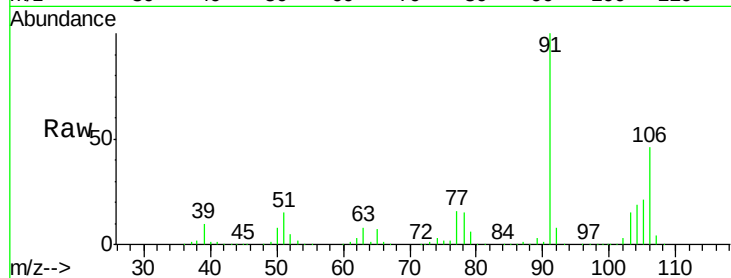
#69
o-Xylene
Concen: 113.42 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 333361
Ion Ratio Lower Upper
106 100
91 210.5 106.5 319.6

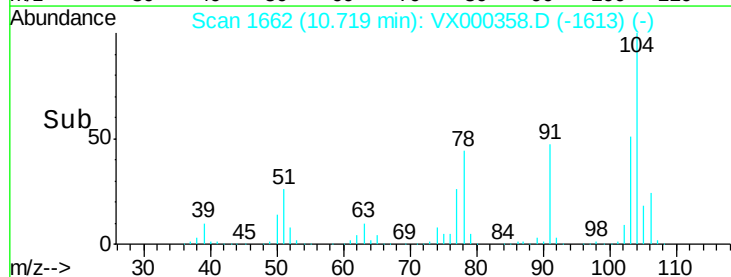
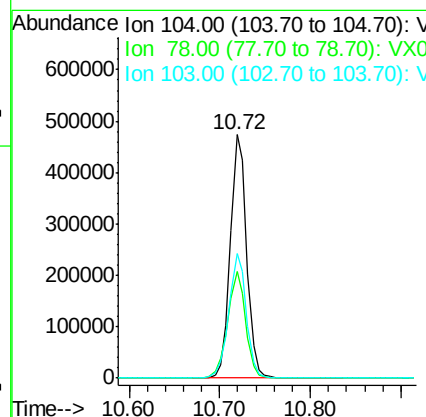
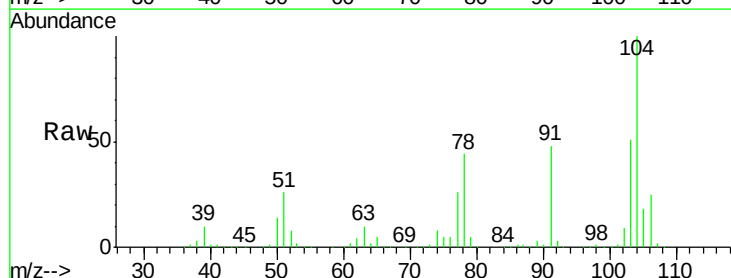
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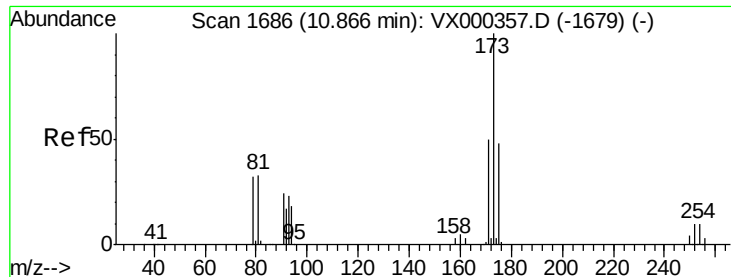
sam
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#70
Styrene
Concen: 121.66 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion:104 Resp: 593341
Ion Ratio Lower Upper
104 100
78 48.1 40.5 60.7
103 55.1 45.7 68.5





#71

Bromoform

Concen: 128.31 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 171939

Ion Ratio Lower Upper

173 100

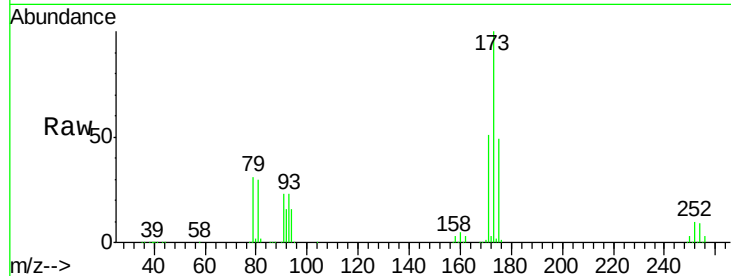
175 49.0 25.4 76.4

254 0.1 0.0 0.0#

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sam

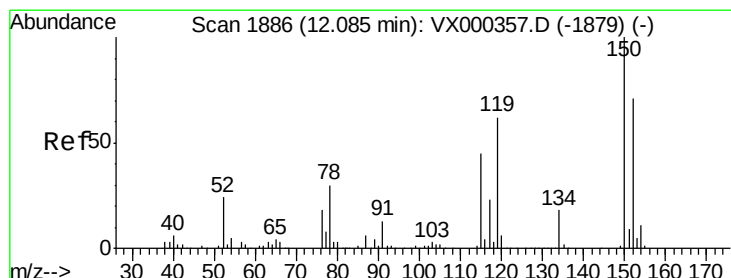
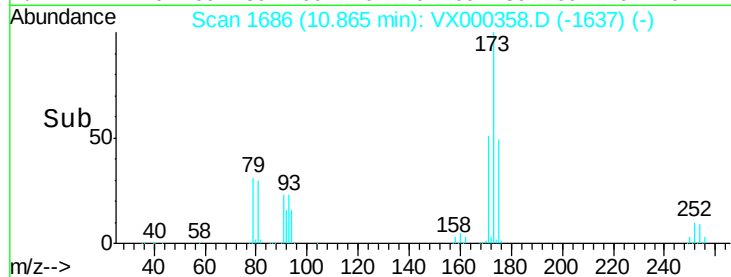
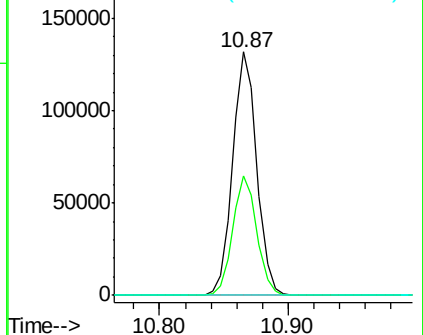
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

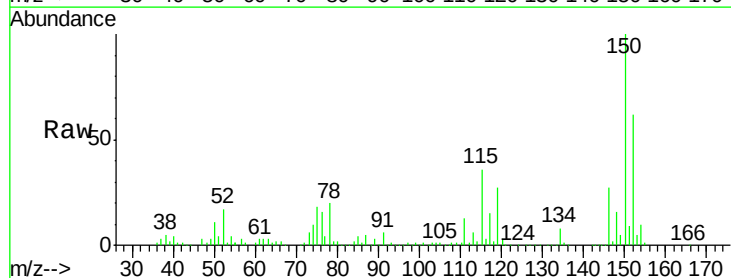
Tgt Ion:152 Resp: 151224

Ion Ratio Lower Upper

152 100

115 104.5 39.8 119.3

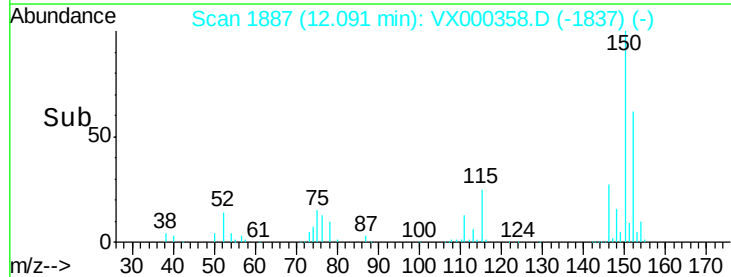
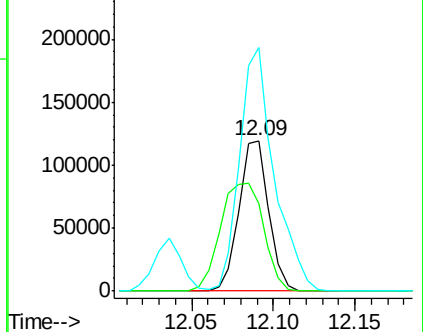
150 189.2 0.0 344.4

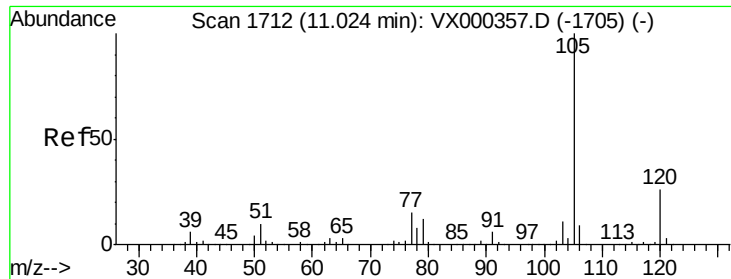


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 104.14 ug/l

RT: 11.03 min Scan# 1713

Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 948558

Ion Ratio Lower Upper

105 100

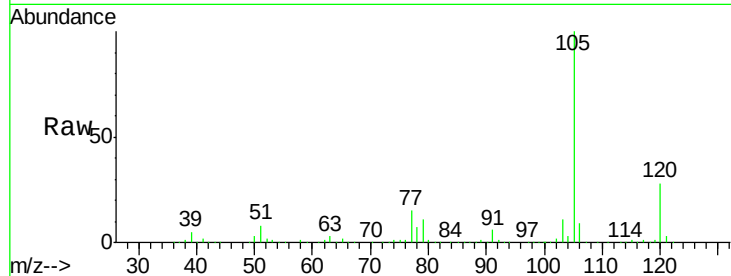
120 26.8 13.6 40.7

Manual Integrations

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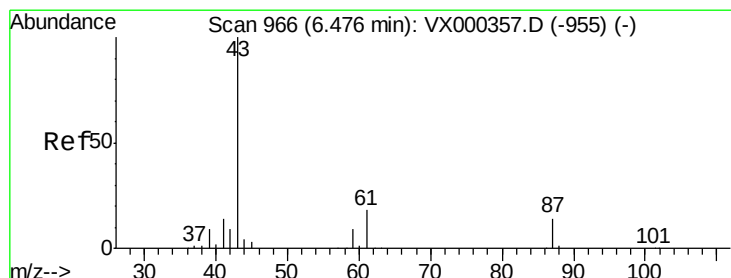
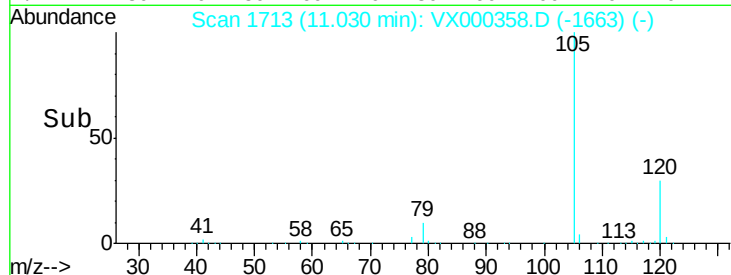
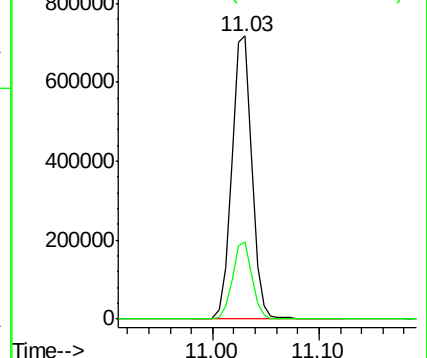
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 93.68 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Tgt Ion: 43 Resp: 408470

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

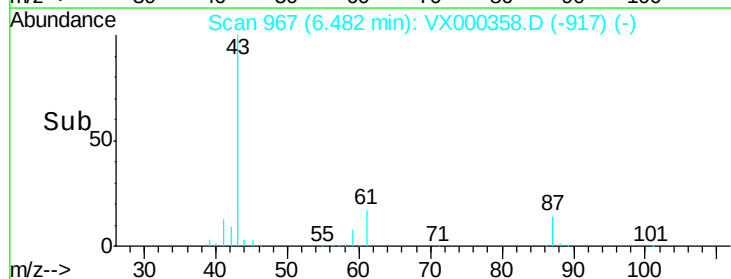
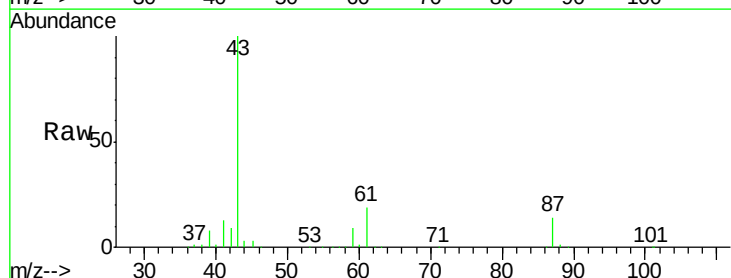
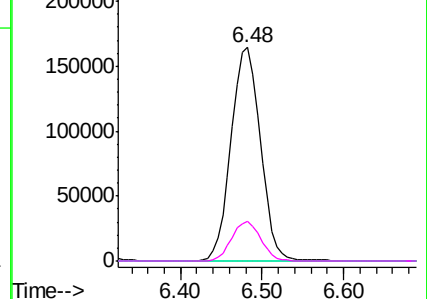
61 18.6 14.4 21.6

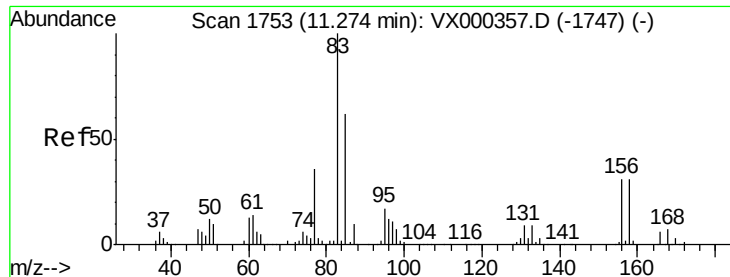
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 102.39 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 331995

Ion Ratio Lower Upper

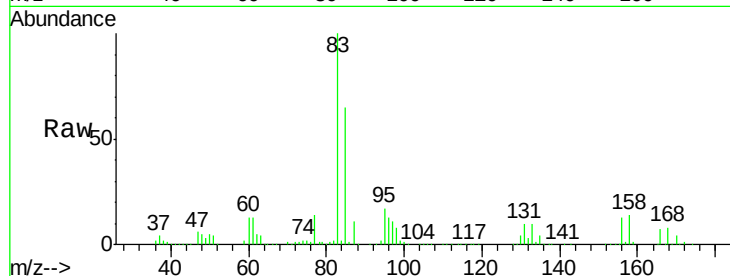
83 100

131 10.4 5.0 14.9

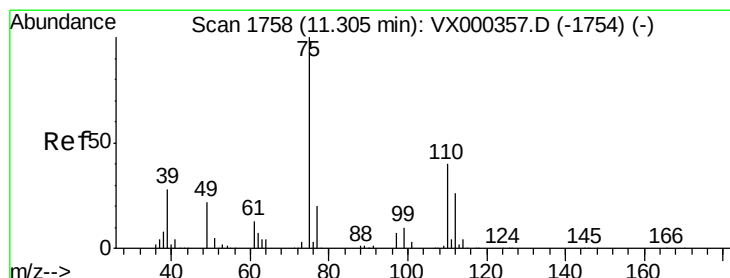
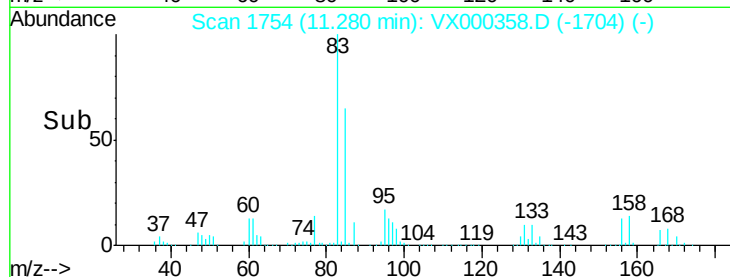
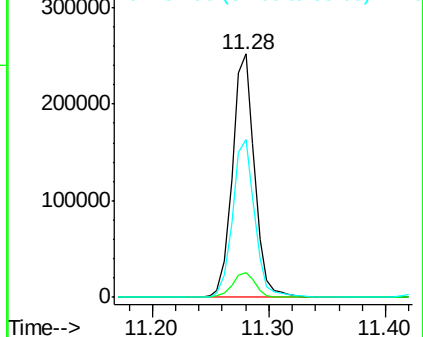
85 64.8 32.5 97.5

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 93.28 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000358.D

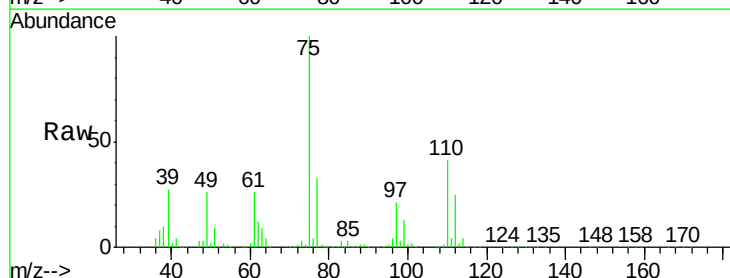
Acq: 20 Mar 2018 12:10

Tgt Ion: 75 Resp: 283973

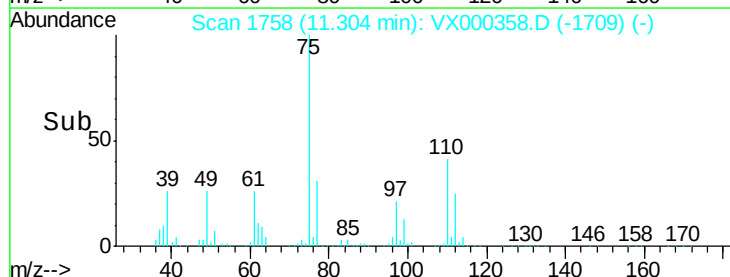
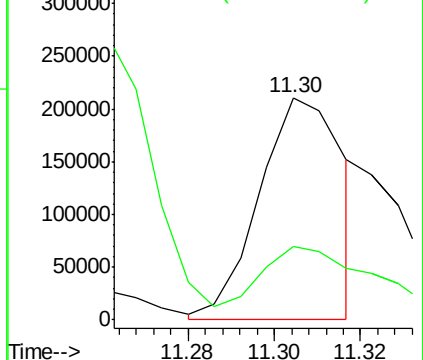
Ion Ratio Lower Upper

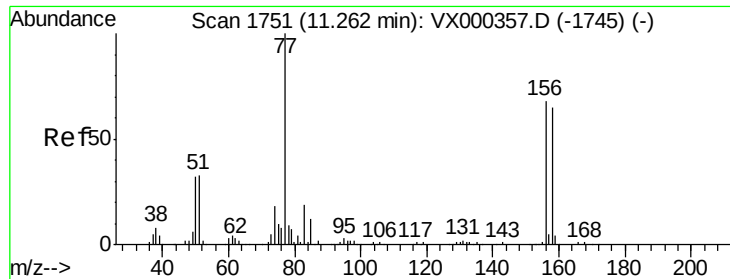
75 100

77 46.0 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 100.37 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

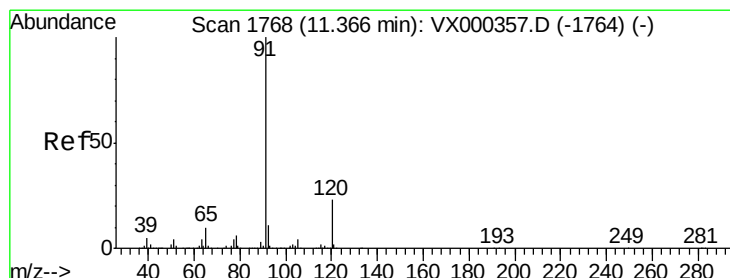
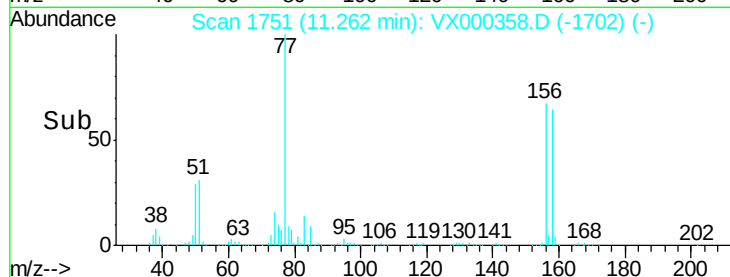
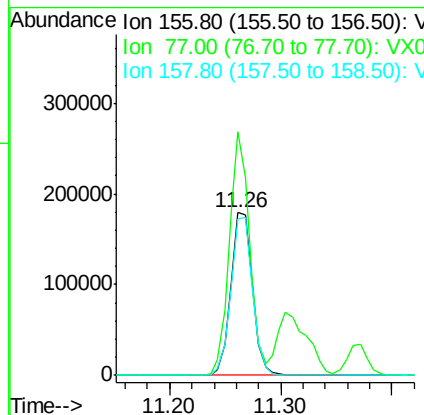
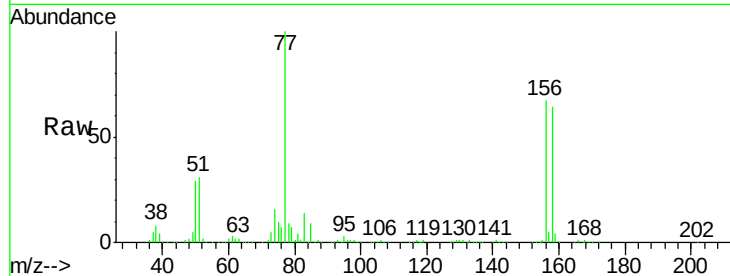
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	140.1	73.4	220.2
158	97.4	48.5	145.6

Manual Integrations
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sam
3/21/2018 11:44:10 AM



#78

n-propylbenzene

Concen: 99.89 ug/l

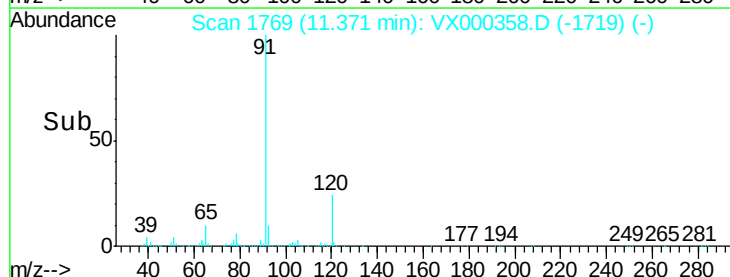
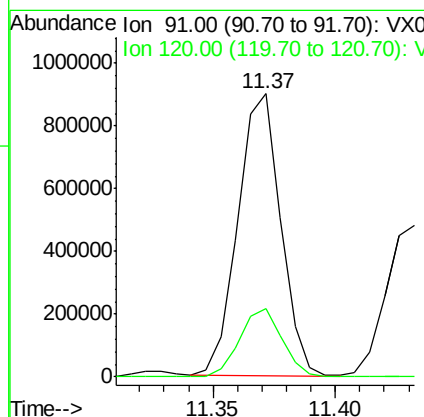
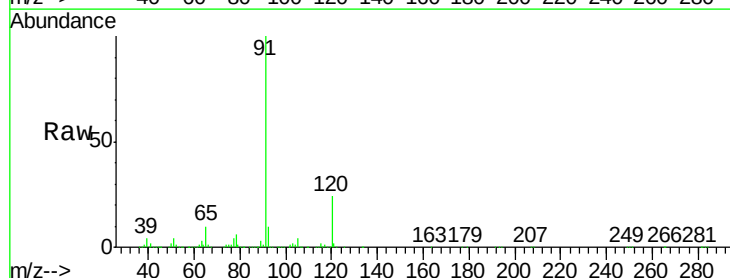
RT: 11.37 min Scan# 1769

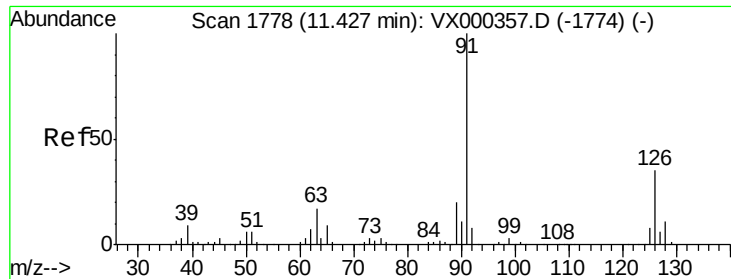
Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.8	35.3





#79

2-Chlorotoluene

Concen: 99.15 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 617927

Ion Ratio Lower Upper

91 100

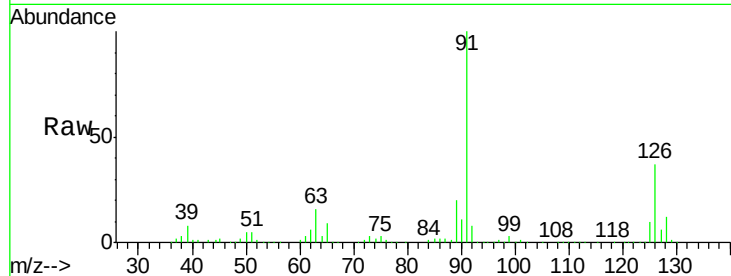
126 36.5 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000357.D (-1774) (-)

1000000

800000

600000

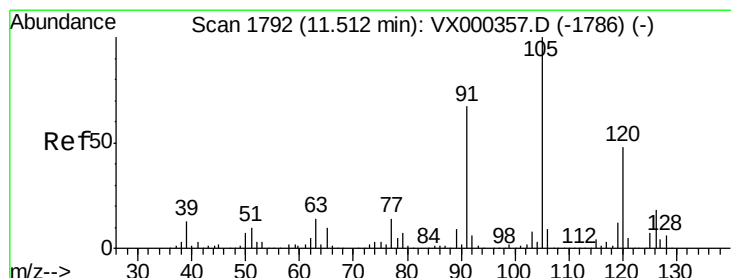
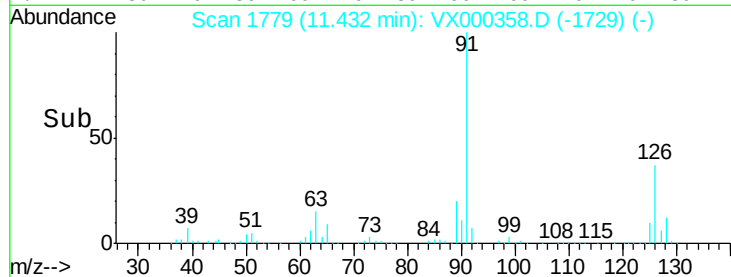
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 105.55 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX000358.D

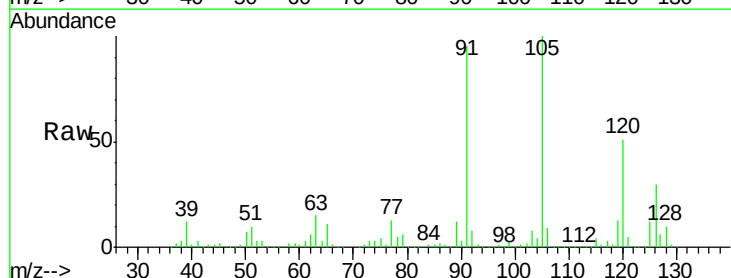
Acq: 20 Mar 2018 12:10

Tgt Ion: 105 Resp: 818920

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000357.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000357.D (-1786) (-)

600000

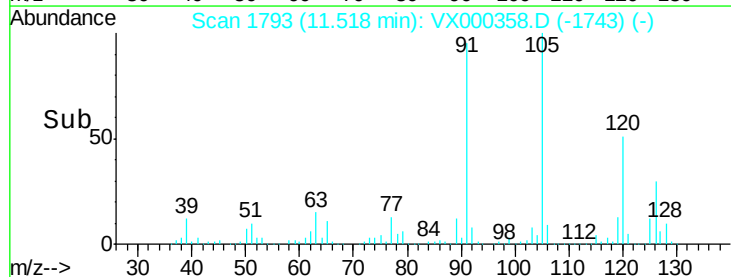
400000

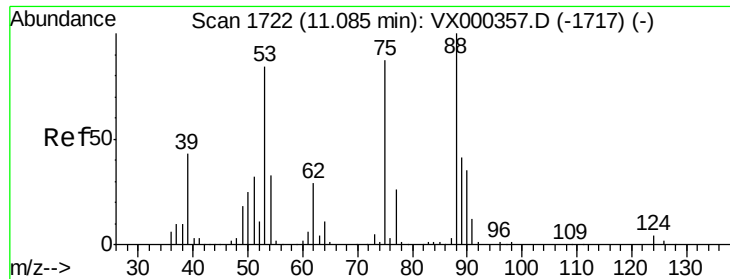
200000

0

11.50 11.60

Time-->





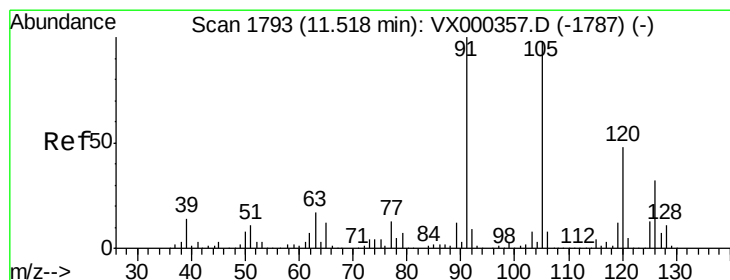
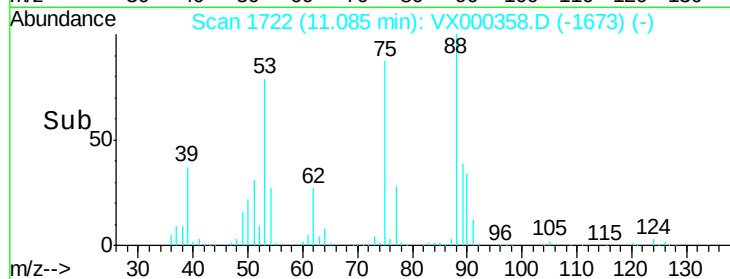
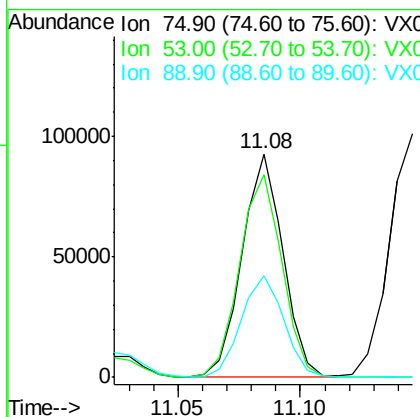
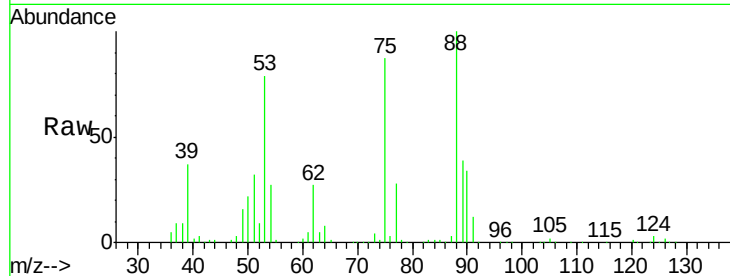
#81
trans-1,4-Dichloro-2-butene
Concen: 120.39 ug/l
RT: 11.08 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	80.7	121.1
89	47.7	39.4	59.0

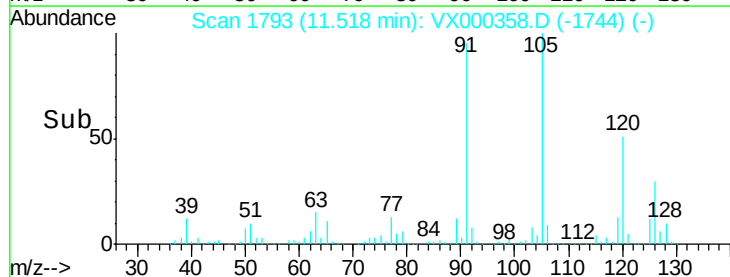
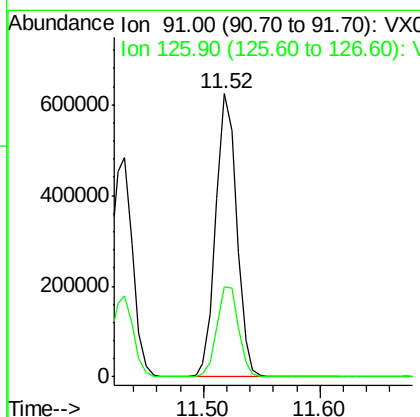
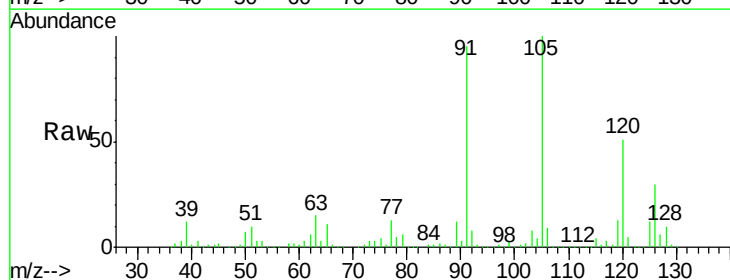
Manual Integrations
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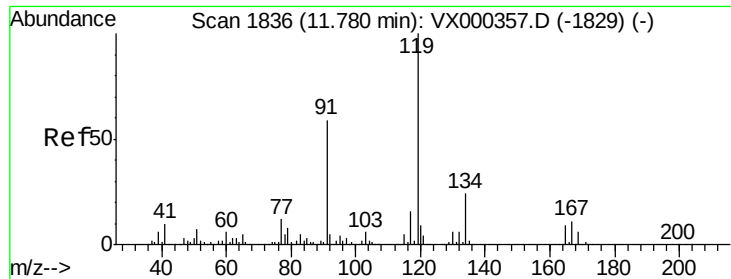
sam
3/21/2018 11:44:10 AM



#82
4-Chlorotoluene
Concen: 100.82 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000358.D
Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	15.4	46.1





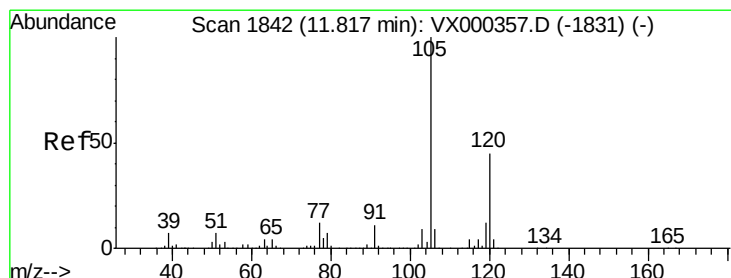
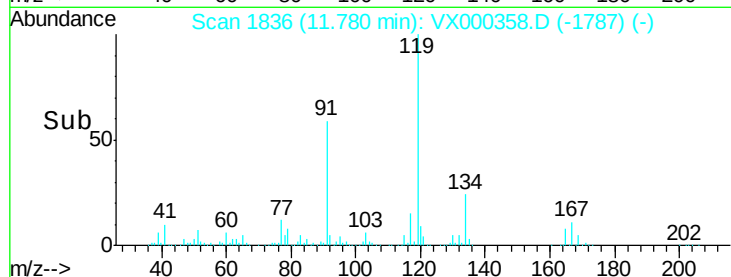
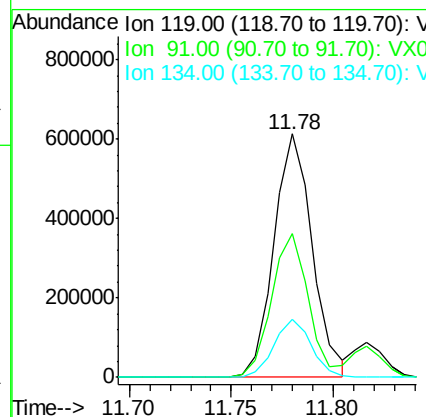
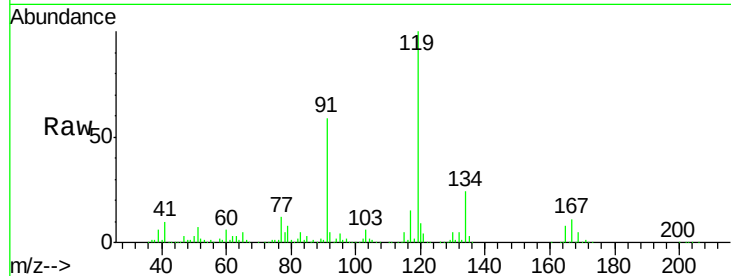
#83
 tert-Butylbenzene
 Concen: 106.25 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	804256		
91	57.3		28.8	86.4
134	23.0		11.4	34.1

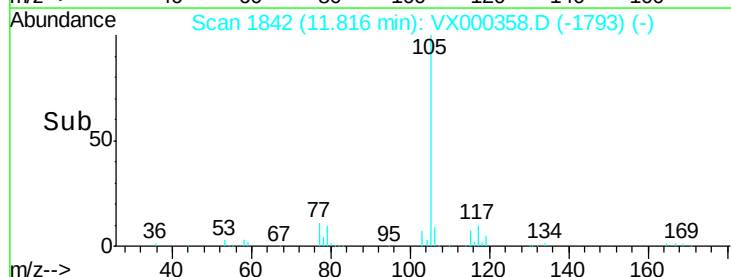
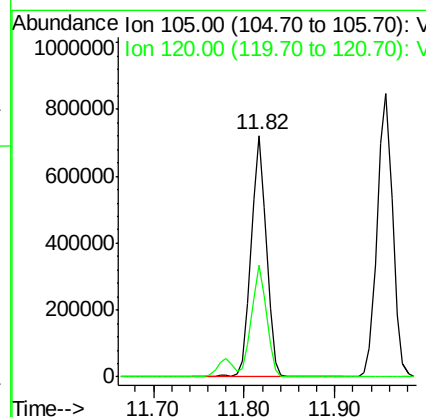
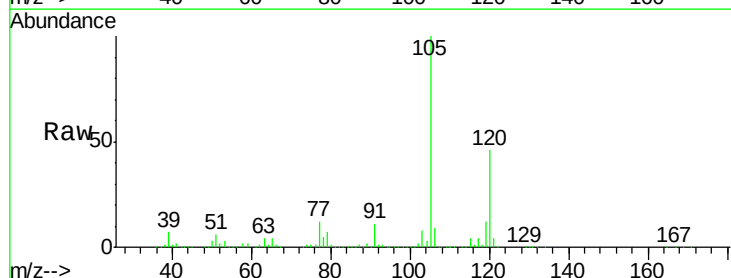
Manual Integrations
 APPROVED

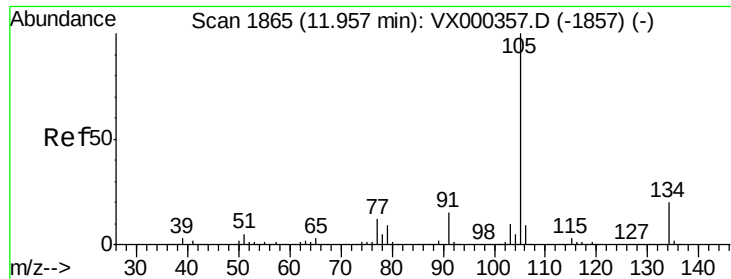
sam
 3/21/2018 11:44:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 105.76 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	843615		
120	45.9		22.4	67.3





#85

sec-Butylbenzene

Concen: 106.08 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC100

Tot Ion:105 Resp: 1005227

Ion Ratio Lower Upper

105 100

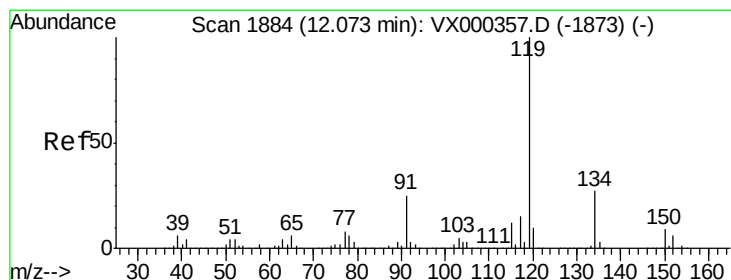
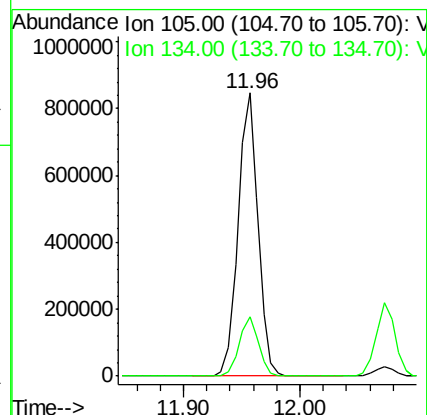
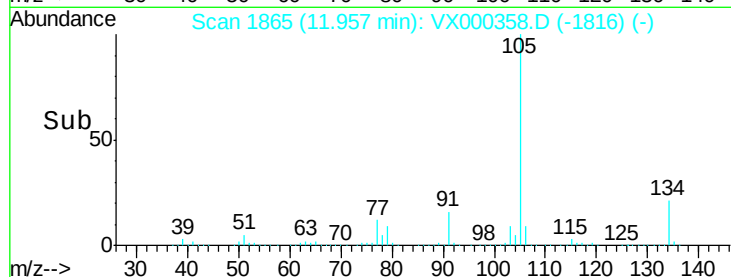
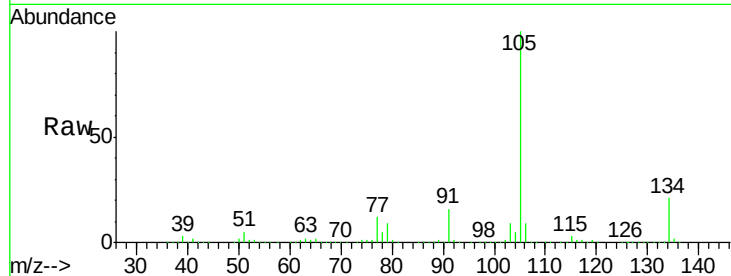
134 20.5 10.3 30.8

Manual Integrations

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sam

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#86

p-Isopropyltoluene

Concen: 110.02 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

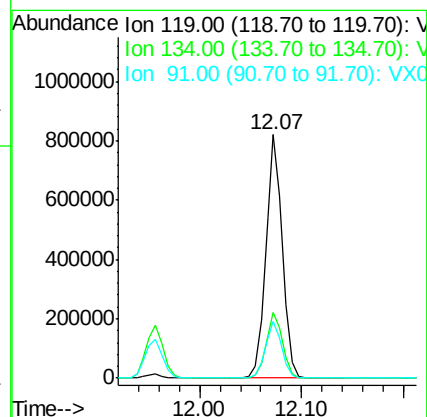
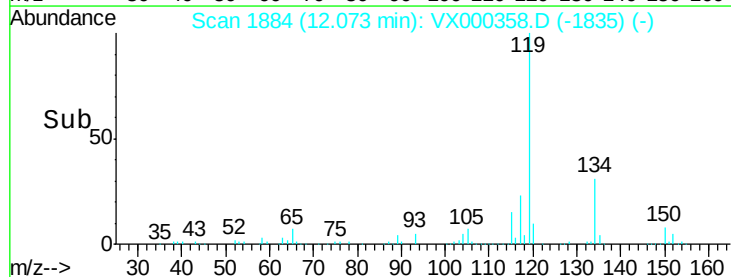
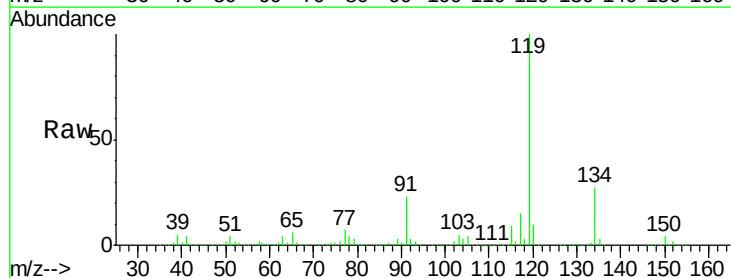
Tgt Ion:119 Resp: 927788

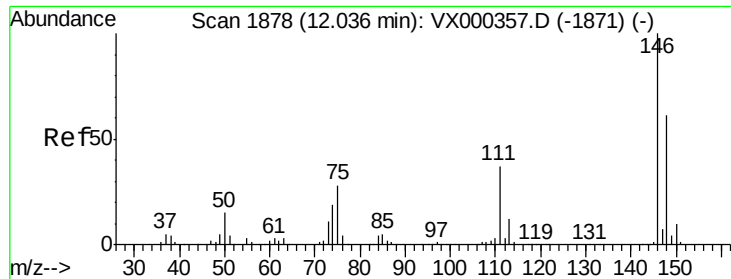
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

91 23.3 12.0 36.1





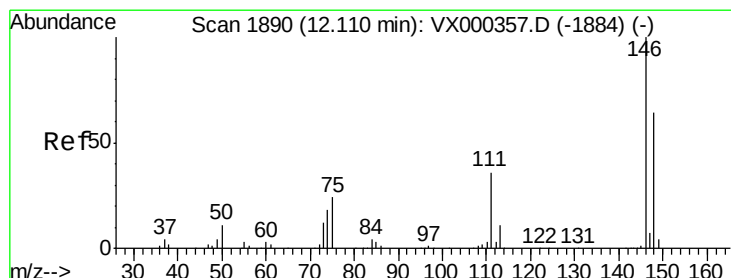
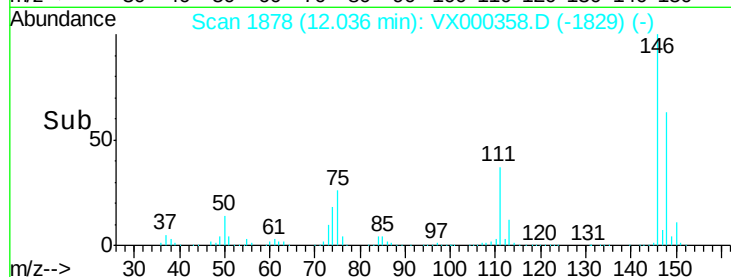
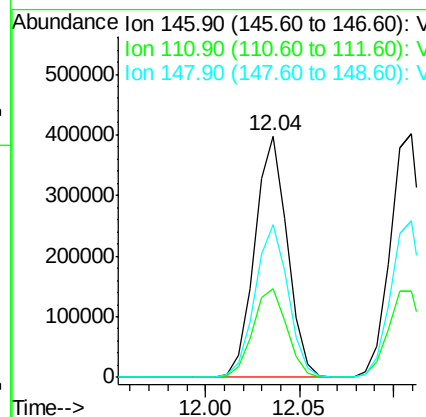
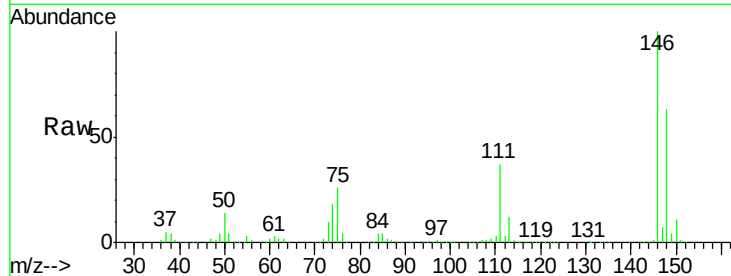
#87
 1,3-Dichlorobenzene
 Concen: 101.68 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	64.1	32.4	97.0

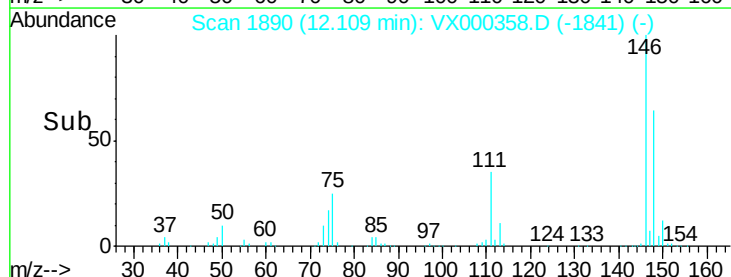
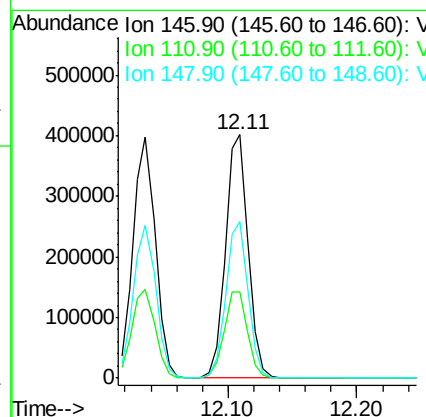
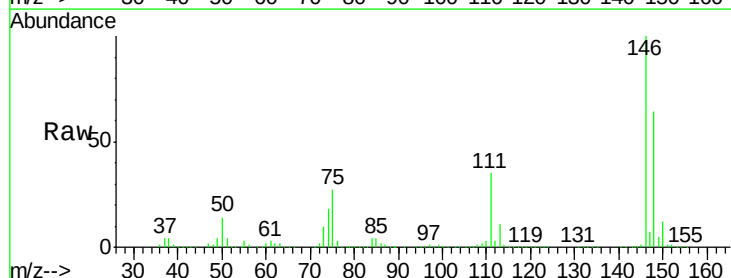
Manual Integrations
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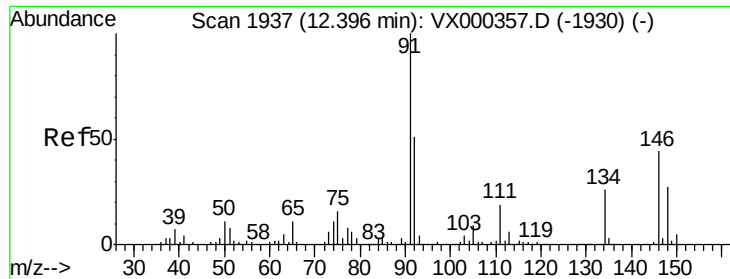
sam
 3/21/2018 11:44:10 AM



#88
 1,4-Dichlorobenzene
 Concen: 101.80 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	63.6	31.0	93.0





#89

n-Butylbenzene

Concen: 104.32 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 855387
Ion Ratio Lower Upper

91 100

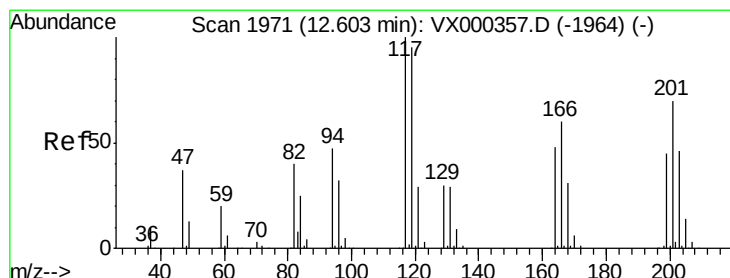
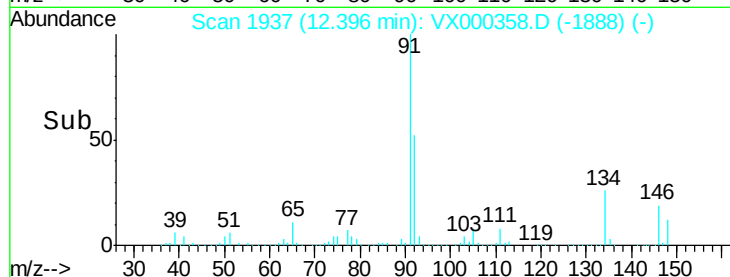
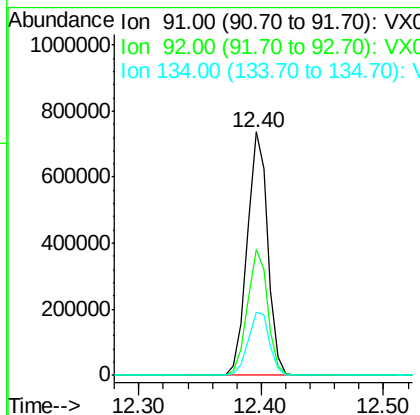
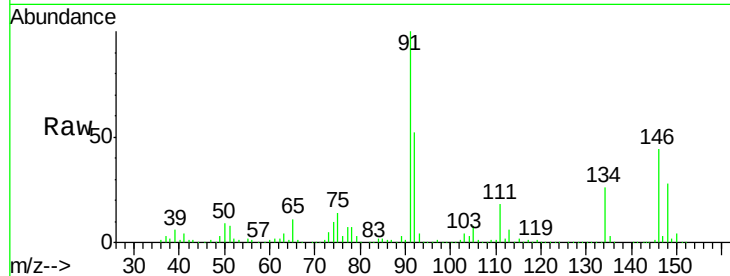
92 51.4 25.9 77.8

134 27.2 13.1 39.3

Manual Integrations
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#90

Hexachloroethane

Concen: 110.82 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000358.D

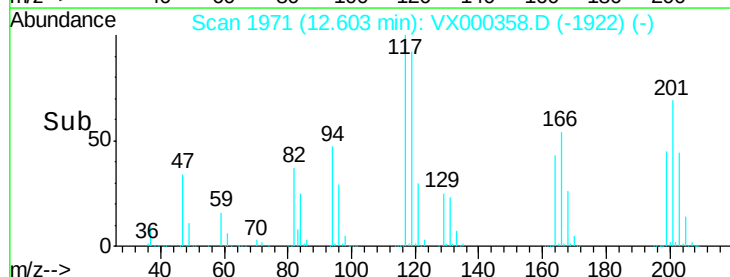
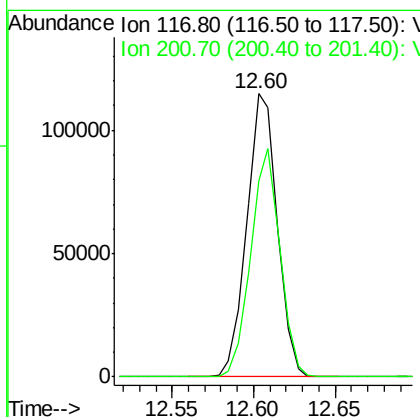
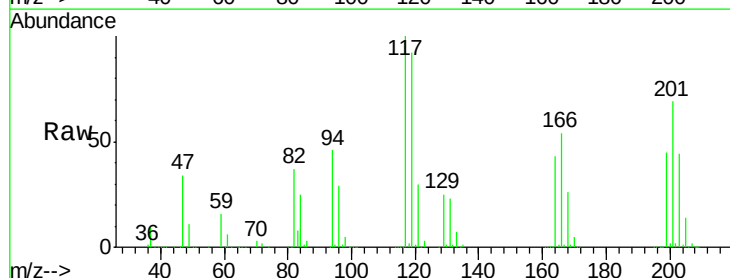
Acq: 20 Mar 2018 12:10

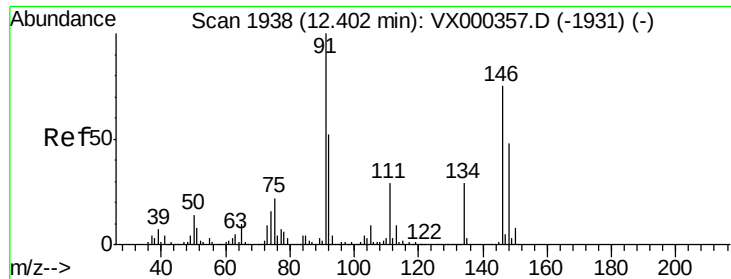
Tgt Ion: 117 Resp: 149901

Ion Ratio Lower Upper

117 100

201 77.1 37.9 113.6





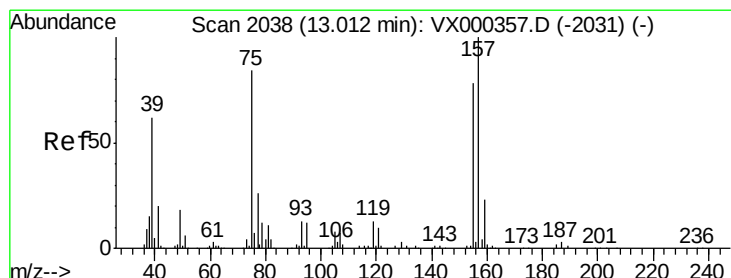
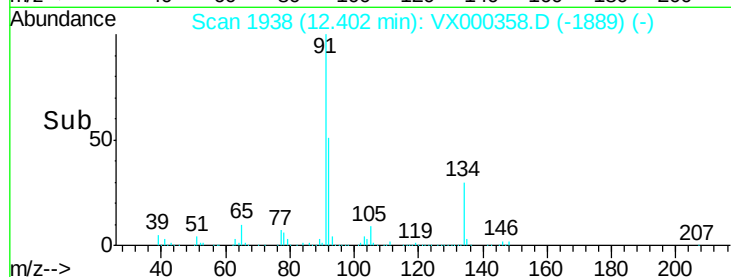
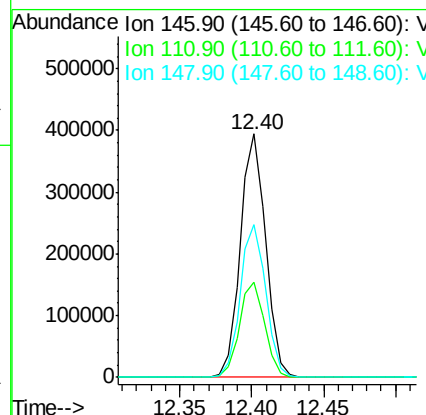
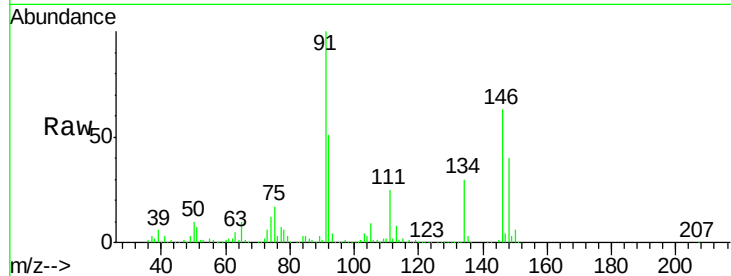
#91
 1,2-Dichlorobenzene
 Concen: 106.61 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	484462		
111	39.2	20.1	60.2	
148	63.3	31.2	93.6	

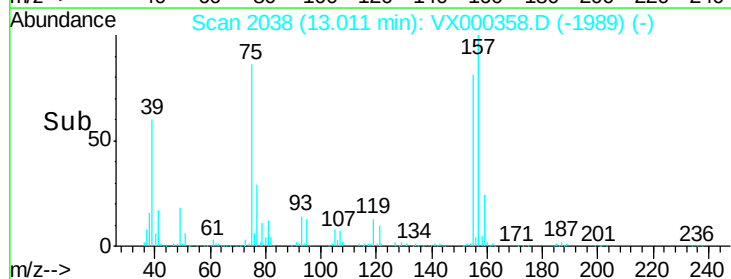
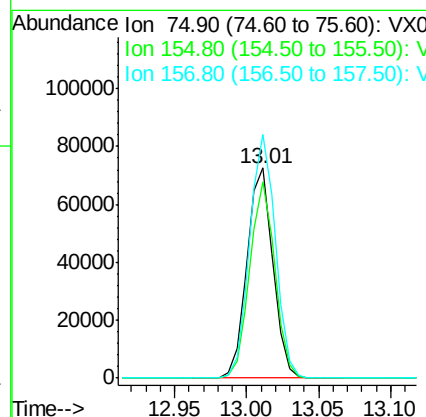
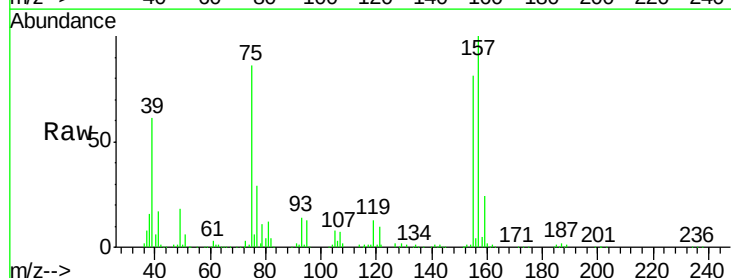
Manual Integrations
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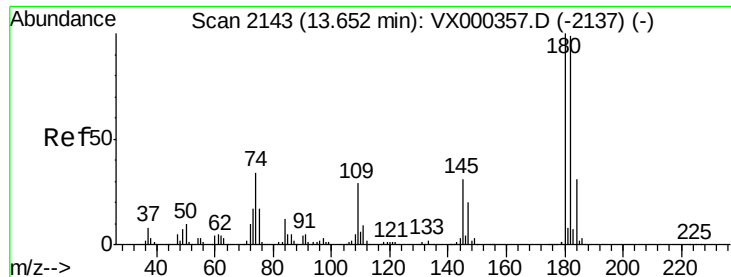
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.60 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90056		
155	90.1	45.0	134.8	
157	114.6	58.1	174.2	





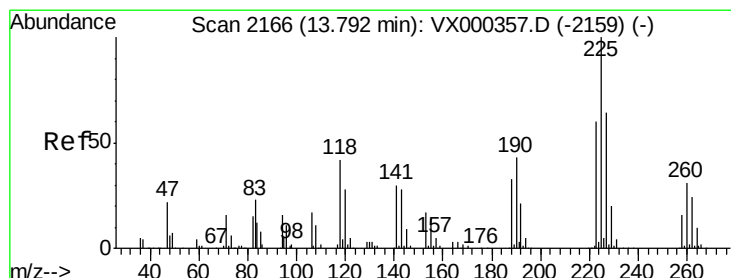
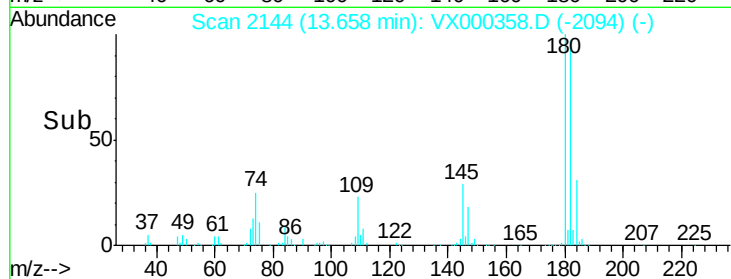
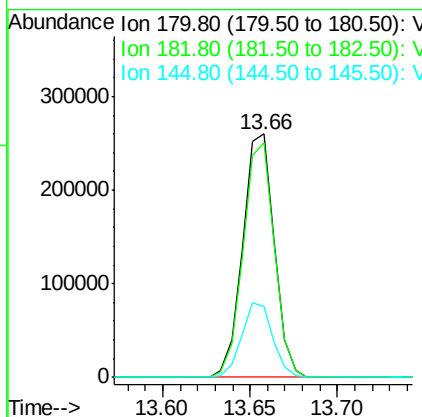
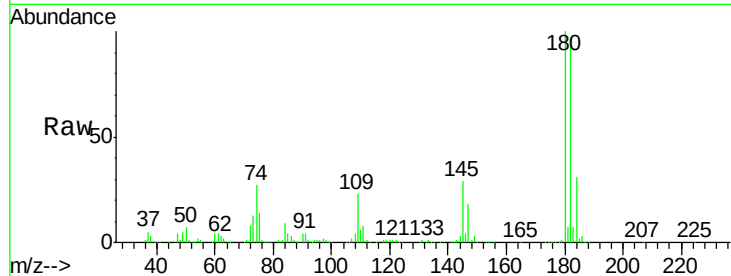
#93
 1,2,4-Trichlorobenzene
 Concen: 99.24 ug/l
 RT: 13.66 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	324847		
182	95.6	47.6	142.9	
145	30.4	15.1	45.3	

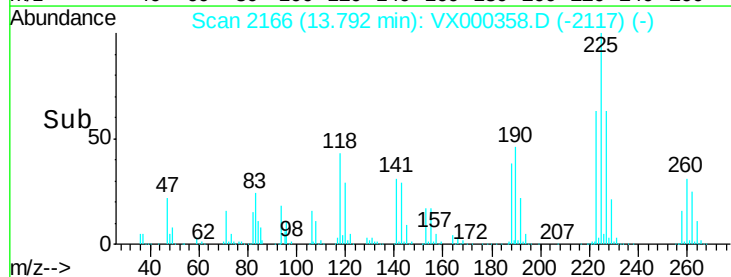
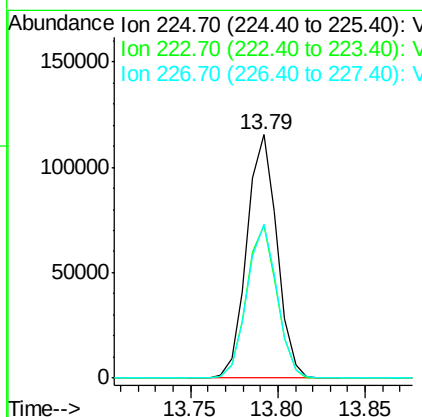
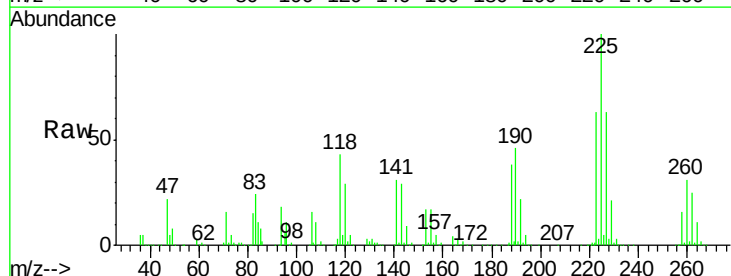
Manual Integrations
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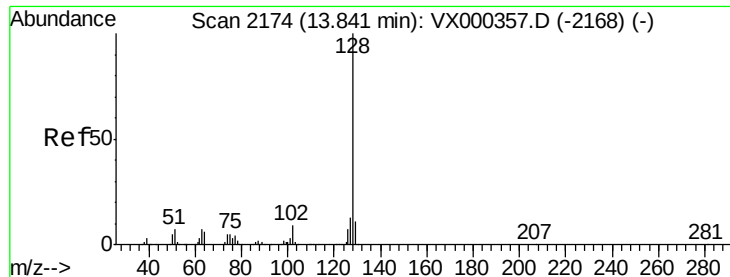
sam
 3/21/2018 11:44:10 AM



#94
 Hexachlorobutadiene
 Concen: 106.44 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000358.D
 Acq: 20 Mar 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	137441		
223	63.0	32.0	96.0	
227	63.3	32.6	98.0	





#95

Naphthalene

Concen: 102.05 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1159183

Ion Ratio Lower Upper

128 100

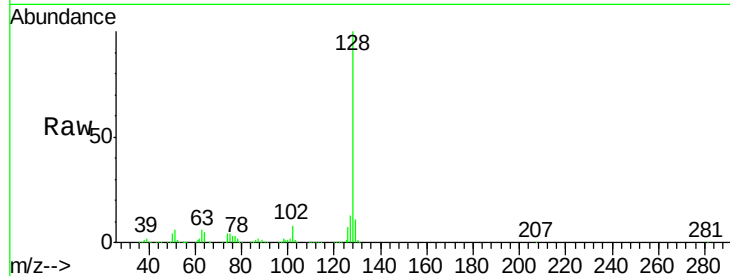
127 13.2 10.6 15.8

129 10.8 8.9 13.3

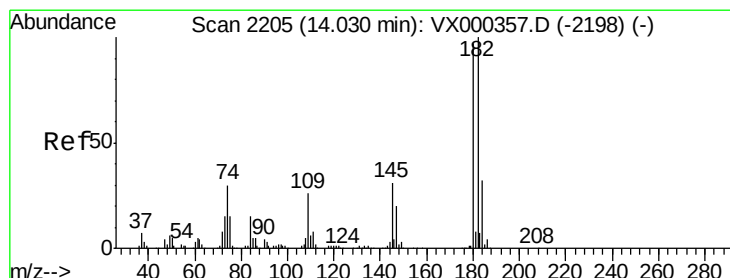
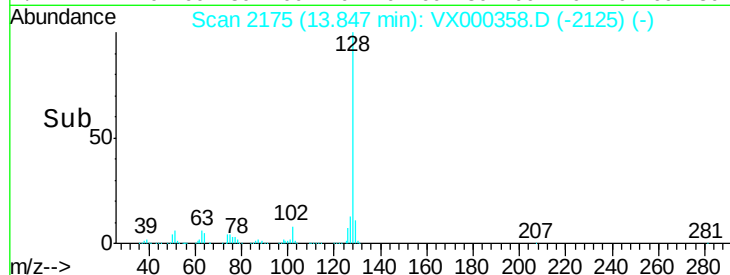
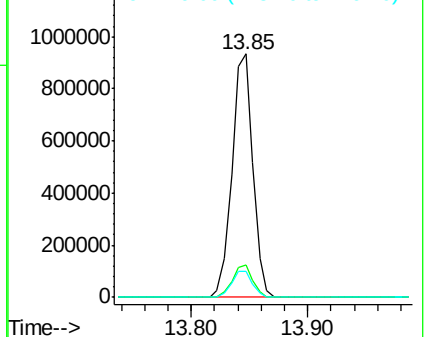
Manual Integrations
APPROVED

Sam

3/21/2018 11:44:10 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 94.68 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000358.D

Acq: 20 Mar 2018 12:10

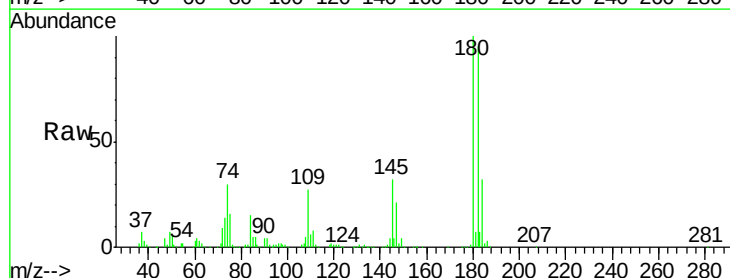
Tgt Ion:180 Resp: 313077

Ion Ratio Lower Upper

180 100

182 95.7 47.4 142.3

145 32.3 15.8 47.3



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

