

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042318\
 Data File : VX001072.D
 Acq On : 23 Apr 2018 21:00
 Operator : JC/MD
 Sample : VX0423WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Manual Integrations
 APPROVED

sam
 4/24/2018 6:07:52 PM

Quant Time: Apr 24 08:45:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	204390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	281531	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	180239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	134061	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	5.51	113	107570	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	8.72	98	385437	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.14	95	156730	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	54170	21.37	ug/l	100
3) Chloromethane	1.32	50	43648	18.49	ug/l	100
4) Vinyl Chloride	1.40	62	48869	19.98	ug/l	99
5) Bromomethane	1.65	94	32754	21.01	ug/l	100
6) Chloroethane	1.73	64	31447	21.63	ug/l	100
7) Trichlorofluoromethane	1.93	101	76660	20.86	ug/l	100
8) Diethyl Ether	2.19	74	28002	20.63	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	43517	20.21	ug/l	99
10) Methyl Iodide	2.51	142	17180	14.46	ug/l	100
11) Tert butyl alcohol	3.08	59	46058	117.87	ug/l	99
12) 1,1-Dichloroethene	2.38	96	40281	20.23	ug/l	97
13) Acrolein	2.30	56	17938	151.85	ug/l	99
14) Allyl chloride	2.73	41	71785	19.92	ug/l	98
15) Acrylonitrile	3.15	53	110950	104.92	ug/l	99
16) Acetone	2.45	43	113215	116.04	ug/l	100
17) Carbon Disulfide	2.57	76	98178	17.30	ug/l	99
18) Methyl Acetate	2.78	43	71294	24.15	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	141408	21.12	ug/l	99
20) Methylene Chloride	2.86	84	46372	21.68	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	43330	19.55	ug/l	97
22) Diisopropyl ether	3.88	45	142794	20.47	ug/l	98
23) Vinyl Acetate	3.83	43	567781	98.30	ug/l	99
24) 1,1-Dichloroethane	3.70	63	79877	20.41	ug/l	100
25) 2-Butanone	4.71	43	163208	107.16	ug/l	100
26) 2,2-Dichloropropane	4.59	77	58425	17.36	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	49249	19.94	ug/l	98
28) Bromochloromethane	5.03	49	31726	21.08	ug/l	97
29) Tetrahydrofuran	5.18	42	101636	105.61	ug/l	100
30) Chloroform	5.23	83	82330	20.31	ug/l	99
31) Cyclohexane	5.58	56	69659	19.07	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	73058	20.11	ug/l	98
36) 1,1-Dichloropropene	5.81	75	60714	18.35	ug/l	99
37) Ethyl Acetate	4.87	43	61010	20.10	ug/l	100
38) Carbon Tetrachloride	5.79	117	63249	18.88	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	69245	17.98	ug/l	97
40) Benzene	6.15	78	179341	19.50	ug/l	99
41) Methacrylonitrile	5.07	41	36130	19.06	ug/l	96
42) 1,2-Dichloroethane	6.21	62	69938	19.81	ug/l	99
43) Isopropyl Acetate	6.48	43	102866	19.76	ug/l	99
44) Trichloroethene	7.22	130	53662	19.10	ug/l	99
45) 1,2-Dichloropropane	7.53	63	45767	19.79	ug/l	100
46) Dibromomethane	7.67	93	31951	19.77	ug/l	98
47) Bromodichloromethane	7.91	83	57831	19.32	ug/l	99
48) Methyl methacrylate	7.79	41	55941	19.95	ug/l	99
49) 1,4-Dioxane	7.76	88	17622	427.45	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	333038	105.35	ug/l	98
52) Toluene	8.79	92	116795	19.46	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	67780	18.93	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	62740	18.58	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	47284	19.82	ug/l	97
56) Ethyl methacrylate	9.19	69	69120	19.72	ug/l	98
57) 1,3-Dichloropropane	9.38	76	78390	19.83	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	172594	100.91	ug/l	99
59) 2-Hexanone	9.51	43	250882	103.68	ug/l	98
60) Dibromochloromethane	9.59	129	47481	18.95	ug/l	99
61) 1,2-Dibromoethane	9.68	107	50007	19.86	ug/l	99
64) Tetrachloroethene	9.34	164	57336	20.11	ug/l	99
65) Chlorobenzene	10.15	112	150496	21.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	47919	19.52	ug/l	99
67) Ethyl Benzene	10.26	91	227280	19.14	ug/l	100
68) m/p-Xylenes	10.37	106	177606	37.95	ug/l	98
69) o-Xylene	10.71	106	86645	19.20	ug/l	97
70) Styrene	10.72	104	141333	19.02	ug/l	99
71) Bromoform	10.87	173	37283	18.15	ug/l	100
73) Isopropylbenzene	11.02	105	235190	19.96	ug/l	100
74) N-amyl acetate	6.48	43	102866	20.41	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	70172	21.04	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	64970m	20.78	ug/l	
77) Bromobenzene	11.26	156	66190	19.35	ug/l	97
78) n-propylbenzene	11.37	91	263530	19.48	ug/l	99
79) 2-Chlorotoluene	11.43	91	158495	19.83	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	198760	19.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	14900	16.92	ug/l	90
82) 4-Chlorotoluene	11.52	91	185744	19.23	ug/l	100
83) tert-Butylbenzene	11.77	119	198561	19.71	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	204498	19.89	ug/l	99
85) sec-Butylbenzene	11.95	105	237286	19.73	ug/l	100
86) p-Isopropyltoluene	12.07	119	214543	19.28	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	122071	19.06	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	124854	19.00	ug/l	99
89) n-Butylbenzene	12.40	91	180073	18.19	ug/l	99
90) Hexachloroethane	12.60	117	29920	18.98	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	122364	19.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14642	20.95	ug/l	92

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ClientSampleId :
VX0423WBSD01

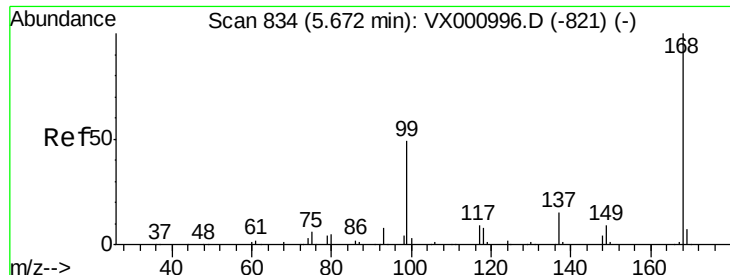
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93177	17.91	ug/l	99
94) Hexachlorobutadiene	13.79	225	44147	18.75	ug/l	97
95) Naphthalene	13.84	128	258720	20.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	94082	18.69	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion:168 Resp: 204390

Ion Ratio Lower Upper

168 100

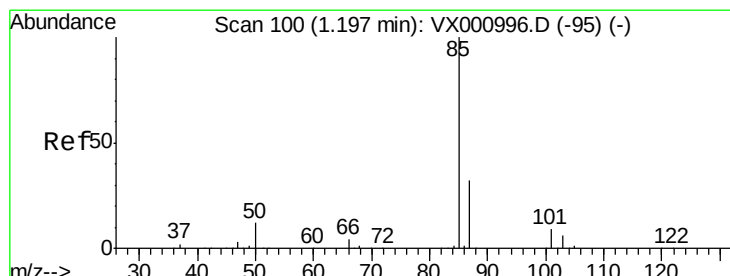
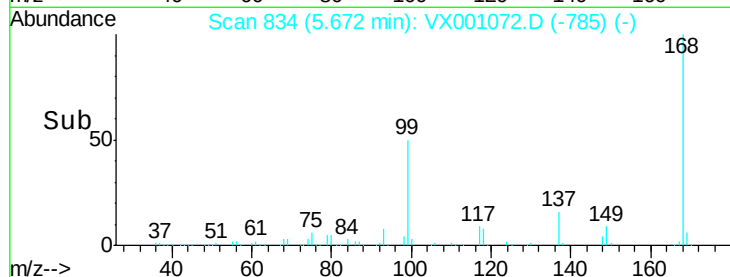
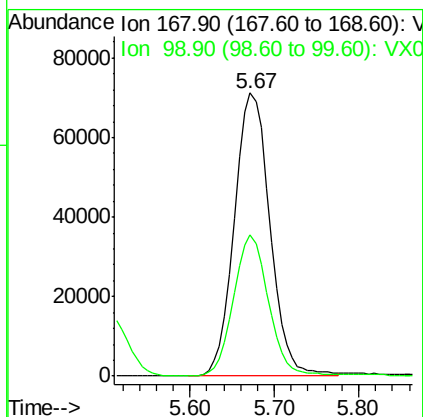
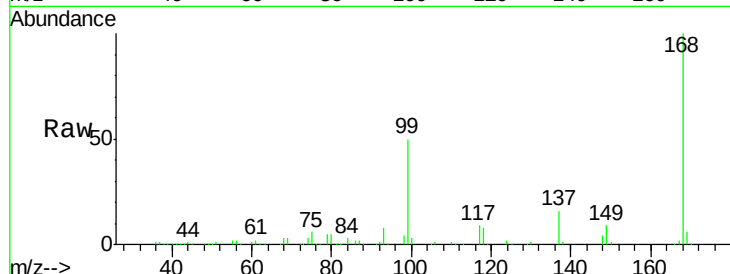
99 49.6 39.2 58.8

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#2

Dichlorodifluoromethane

Concen: 21.37 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001072.D

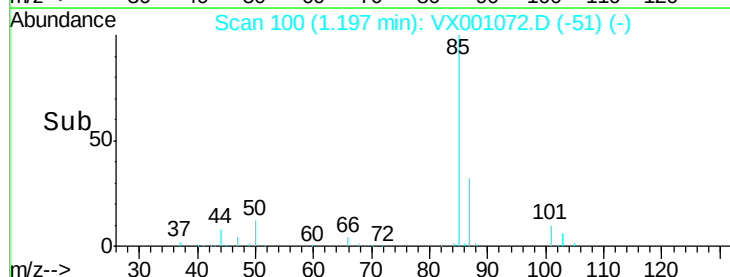
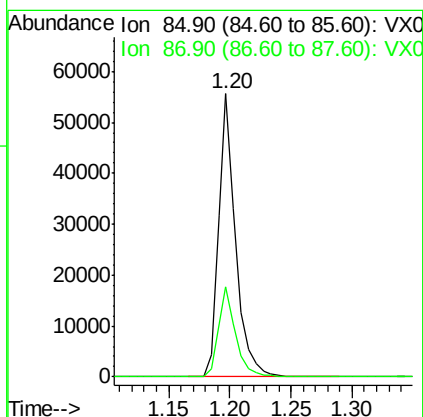
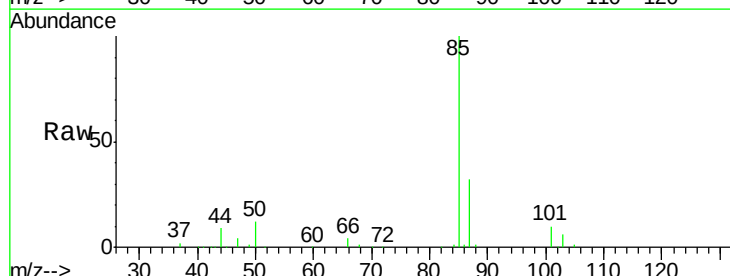
Acq: 23 Apr 2018 21:00

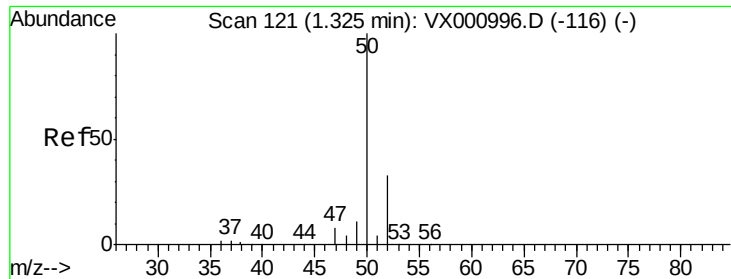
Tgt Ion: 85 Resp: 54170

Ion Ratio Lower Upper

85 100

87 31.8 15.8 47.4





#3

Chloromethane

Concen: 18.49 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 50 Resp: 43648

Ion Ratio Lower Upper

50 100

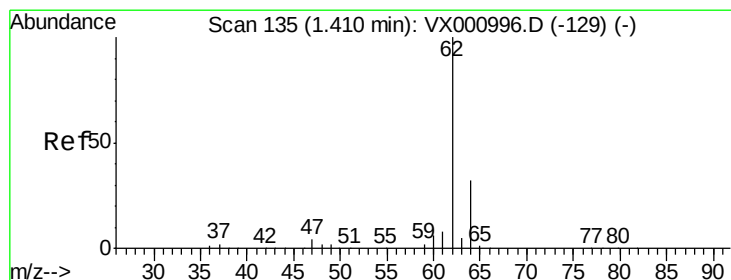
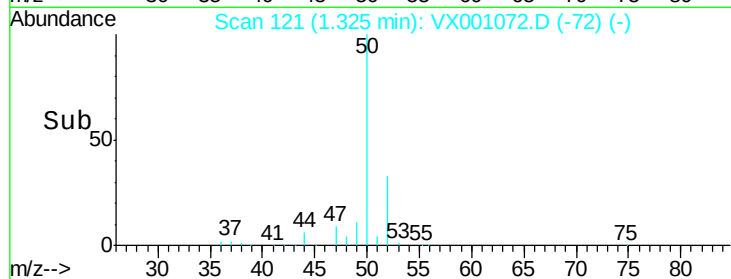
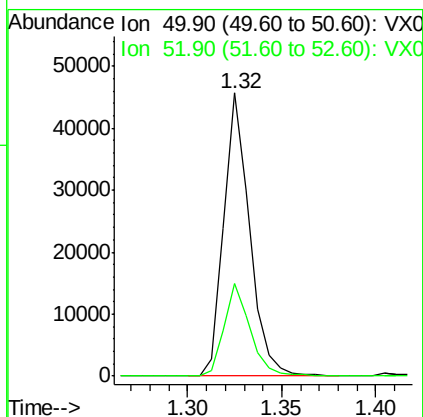
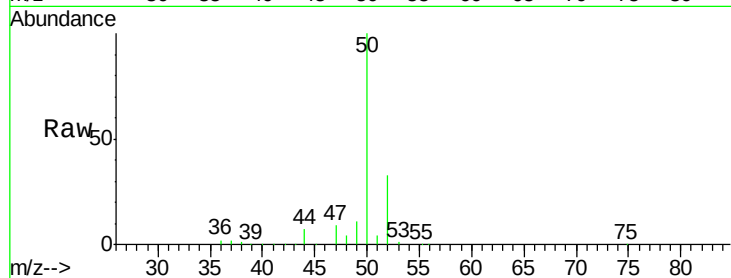
52 32.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.98 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001072.D

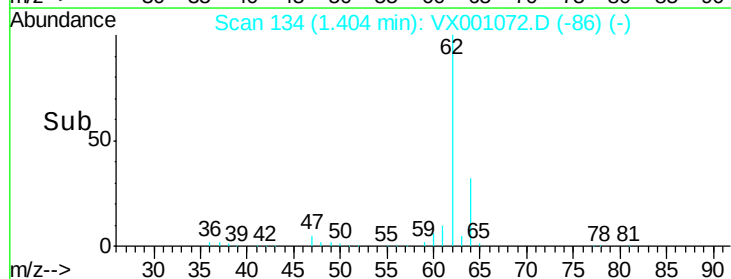
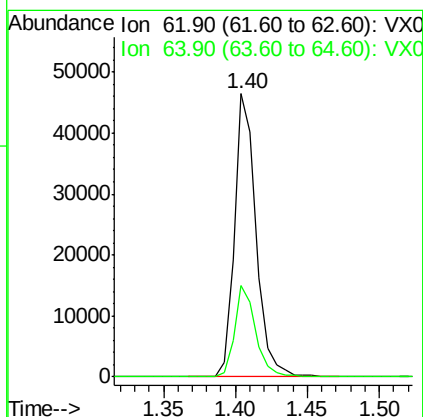
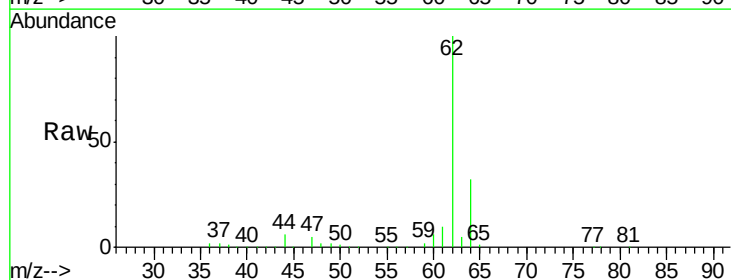
Acq: 23 Apr 2018 21:00

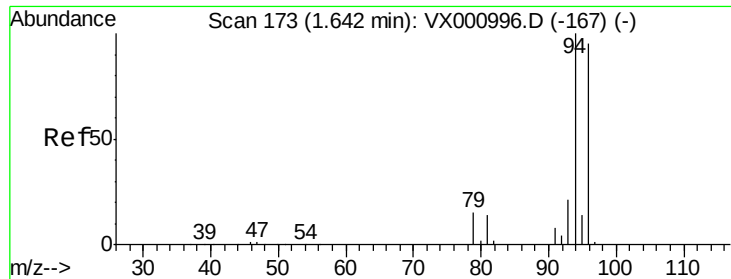
Tgt Ion: 62 Resp: 48869

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 21.01 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 94 Resp: 32754

Ion Ratio Lower Upper

94 100

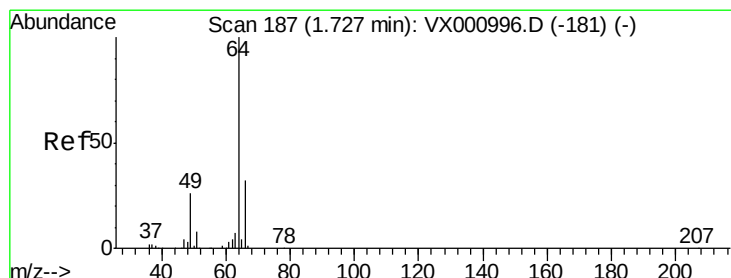
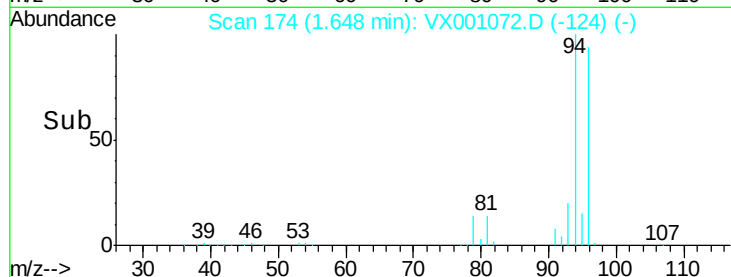
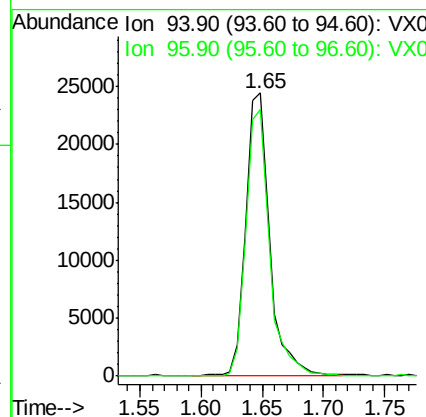
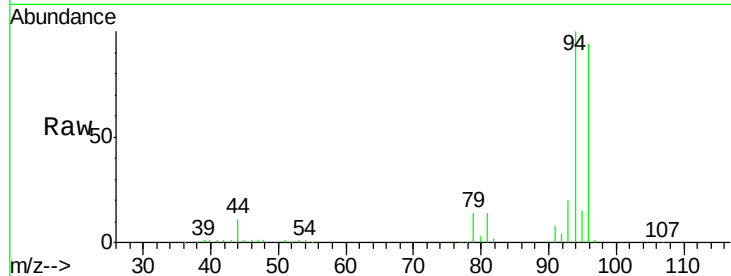
96 94.6 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 21.63 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX001072.D

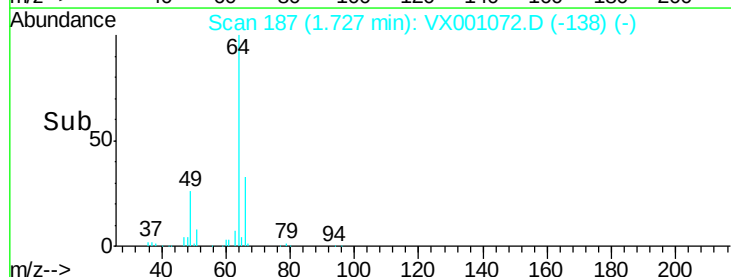
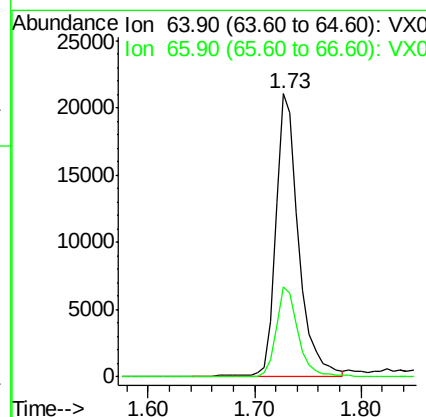
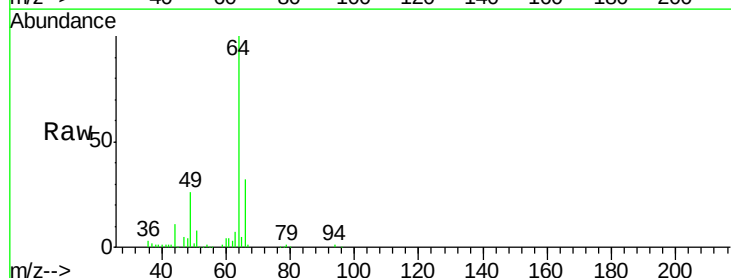
Acq: 23 Apr 2018 21:00

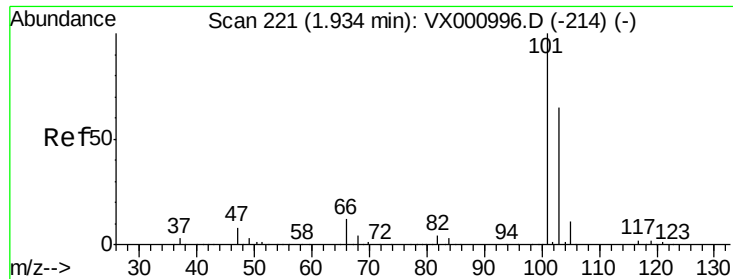
Tgt Ion: 64 Resp: 31447

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9





#7

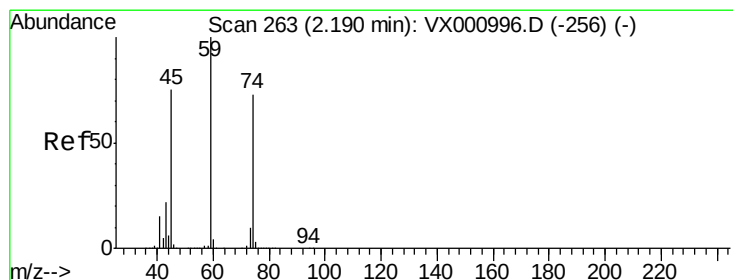
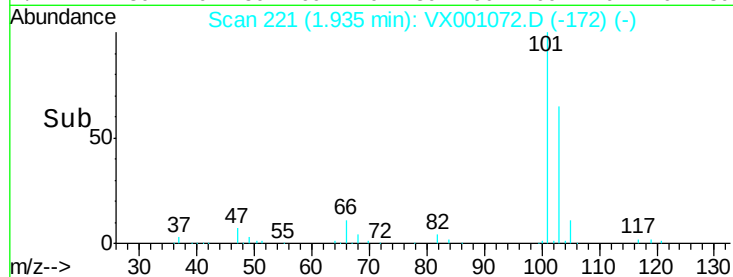
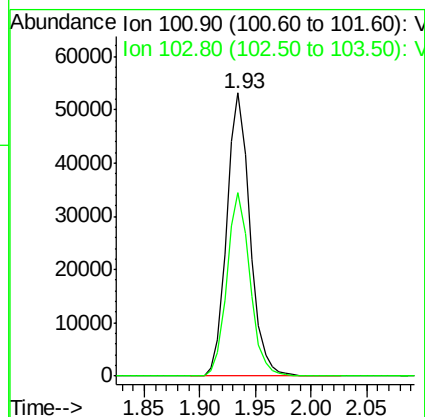
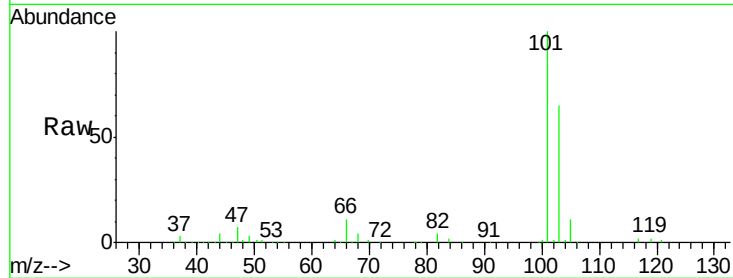
Trichlorofluoromethane
 Concen: 20.86 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Instrument :
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 ClientSampleId :
 VX0423WBSD01

Tot Ion:101 Resp: 76660
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.8 77.8

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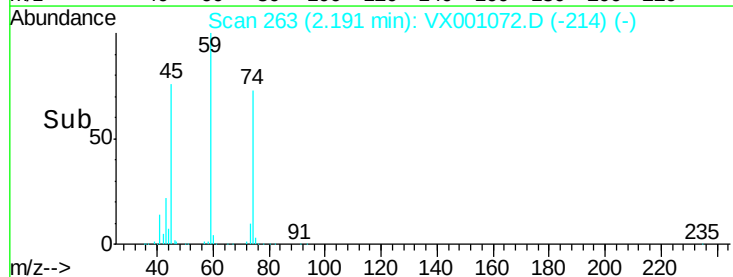
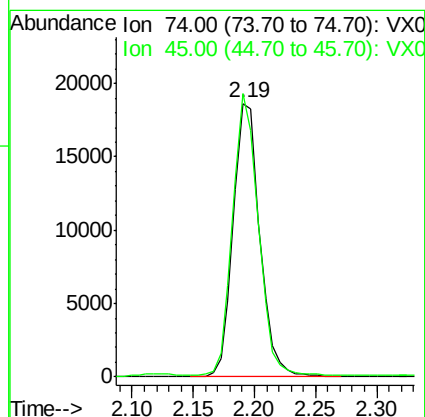
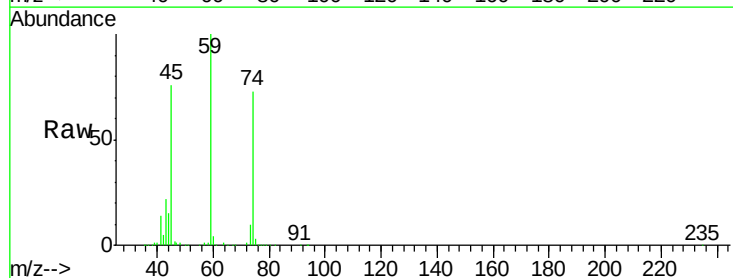
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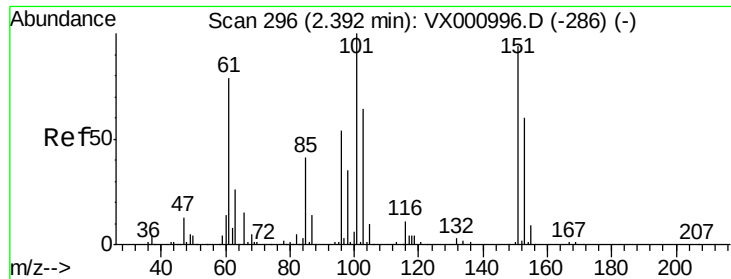


#8

Diethyl Ether
 Concen: 20.63 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Tgt Ion: 74 Resp: 28002
 Ion Ratio Lower Upper
 74 100
 45 98.8 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.21 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

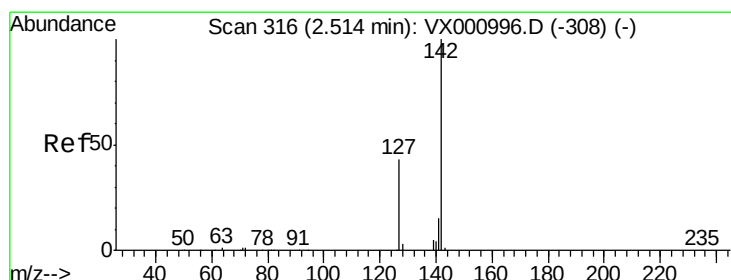
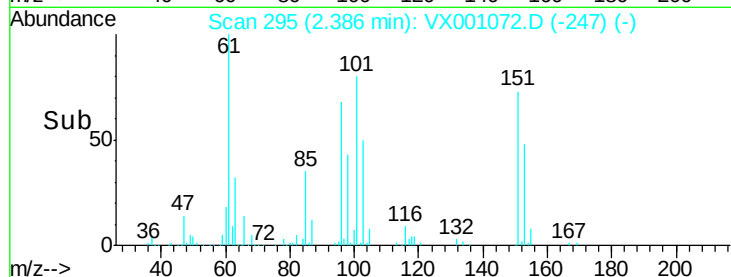
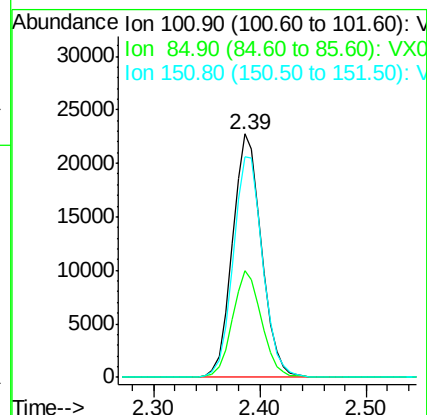
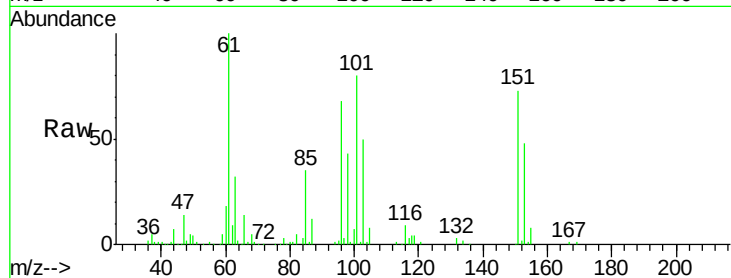
ClientSampleId :

VX0423WBSD01

Tot Ion:	101	Resp:	43517
Ion Ratio	Lower	Upper	
101	100		
85	43.6	33.9	50.9
151	92.3	73.5	110.3

Manual Integrations
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#10

Methyl Iodide

Concen: 14.46 ug/l

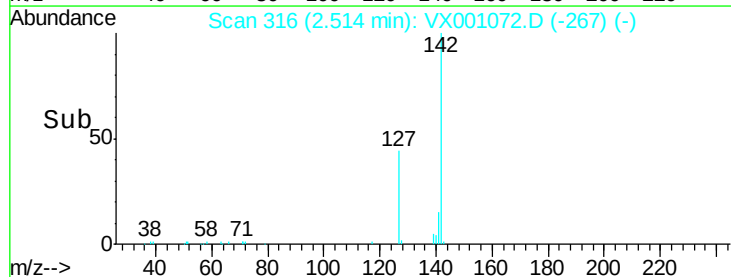
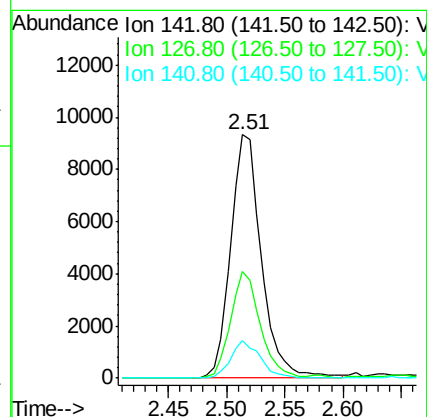
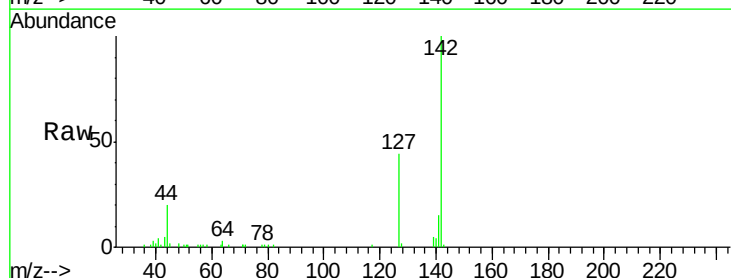
RT: 2.51 min Scan# 316

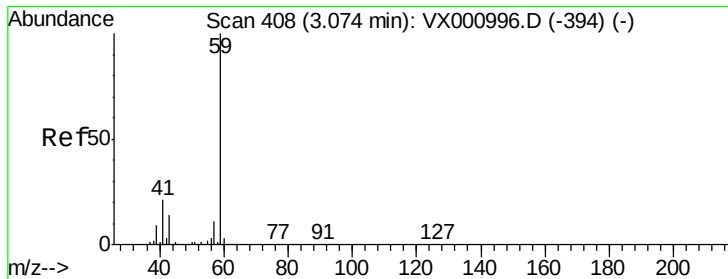
Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Tgt Ion:	142	Resp:	17180
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.0	51.0
141	14.6	11.4	17.2





#11

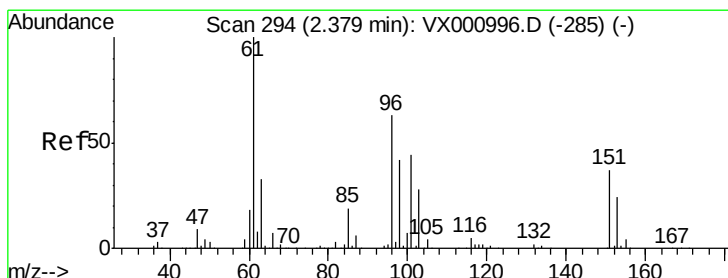
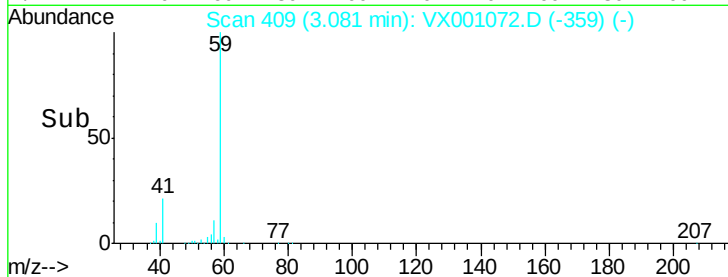
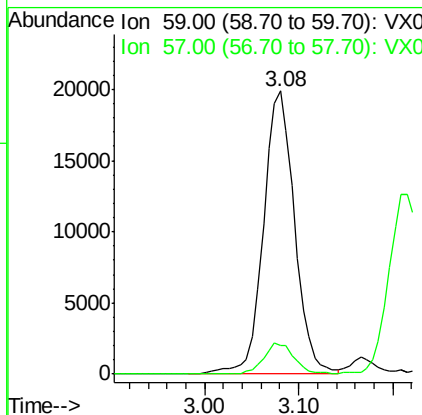
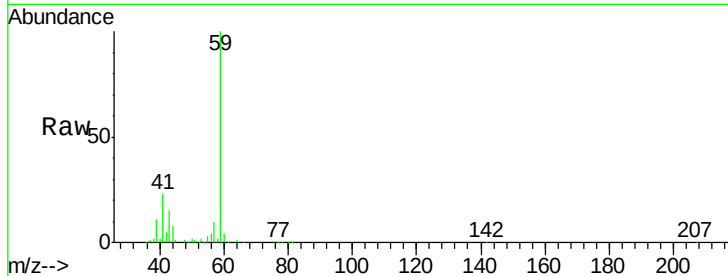
Tert butyl alcohol
Concen: 117.87 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Tot Ion	59	Resp	46058
Ion Ratio	100	Lower	Upper
57	10.7	8.3	12.5

Manual Integrations
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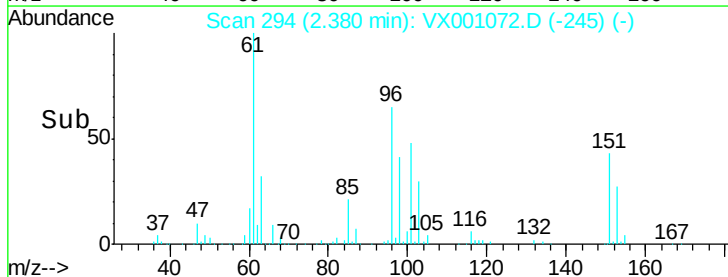
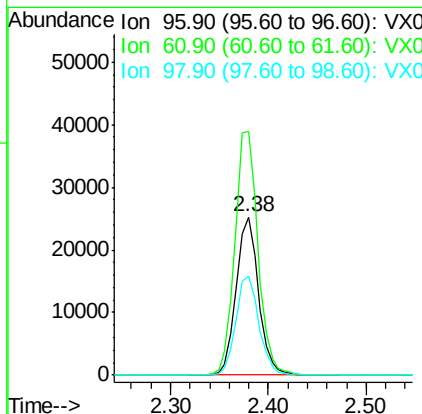
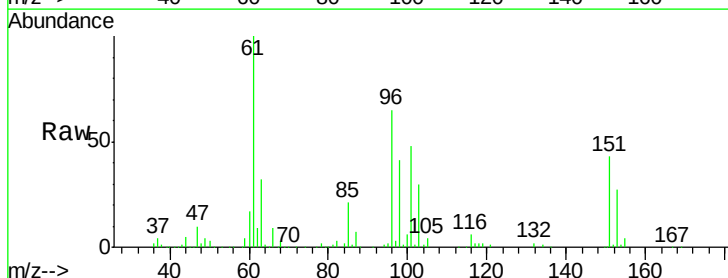
sam
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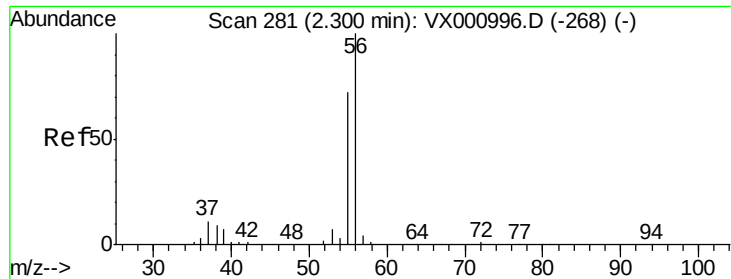


#12

1,1-Dichloroethene
Concen: 20.23 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	96	Resp	40281
Ion Ratio	100	Lower	Upper
61	154.1	126.4	189.6
98	63.0	52.6	78.8





#13

Acrolein

Concen: 151.85 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 56 Resp: 17938

Ion Ratio Lower Upper

56 100

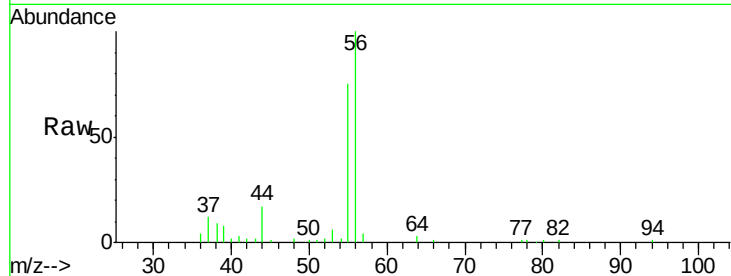
55 72.3 57.4 86.2

Manual Integrations

APPROVED

sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

12000

10000

8000

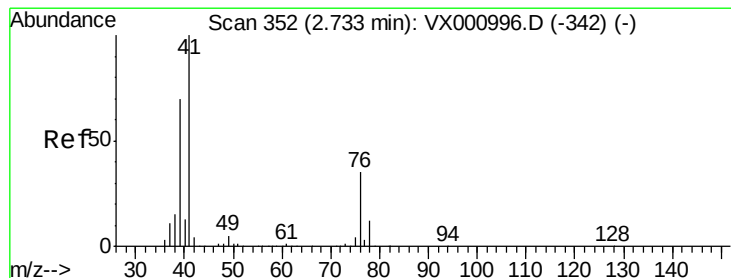
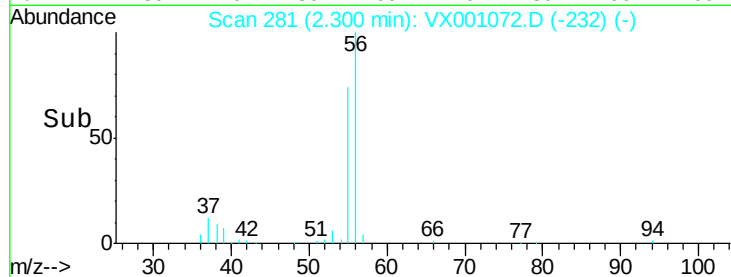
6000

4000

2000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 19.92 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

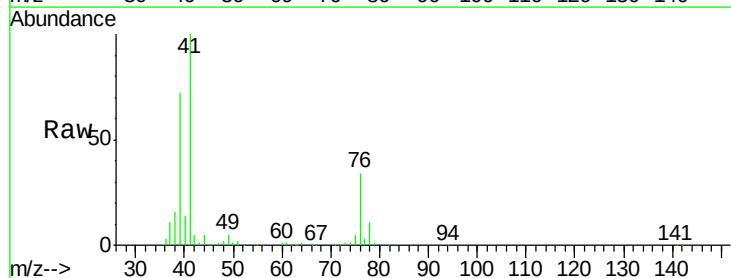
Tgt Ion: 41 Resp: 71785

Ion Ratio Lower Upper

41 100

39 67.9 53.0 79.6

76 31.6 25.9 38.9



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

50000

40000

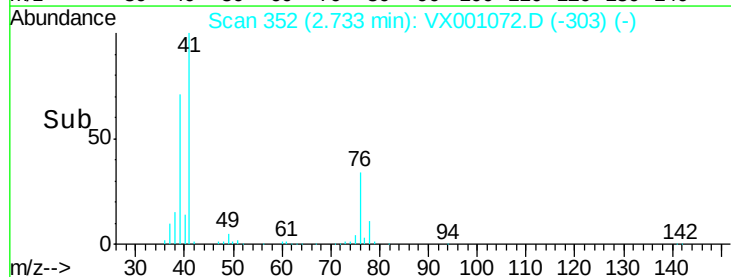
30000

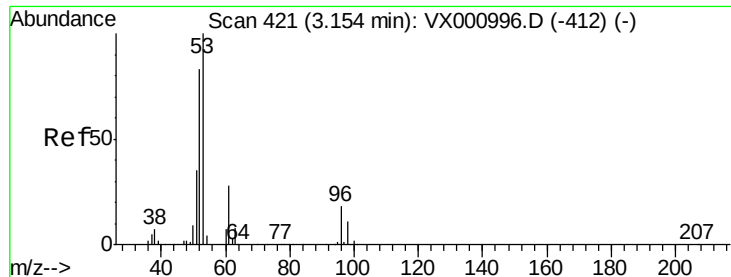
20000

10000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 104.92 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

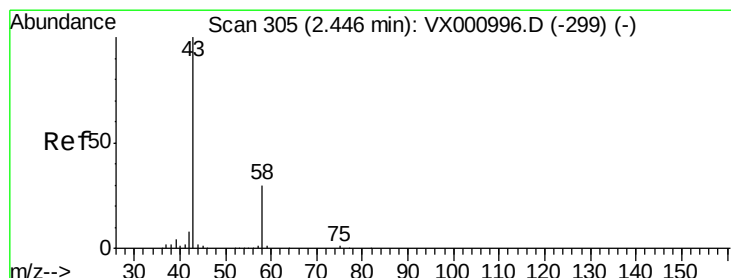
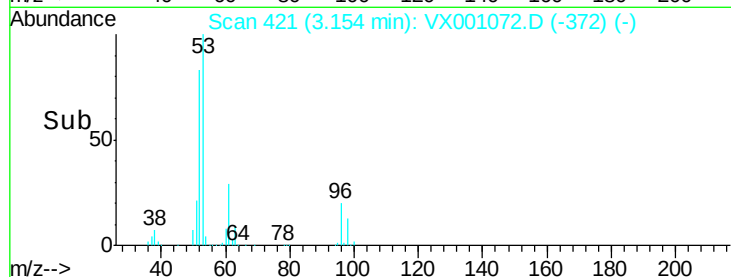
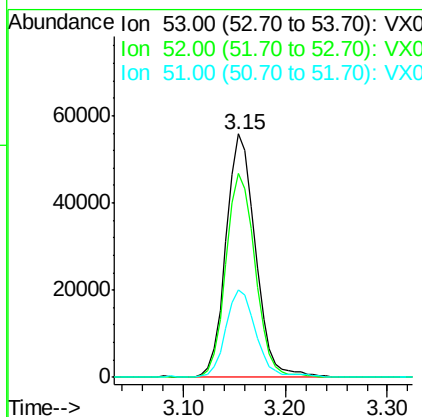
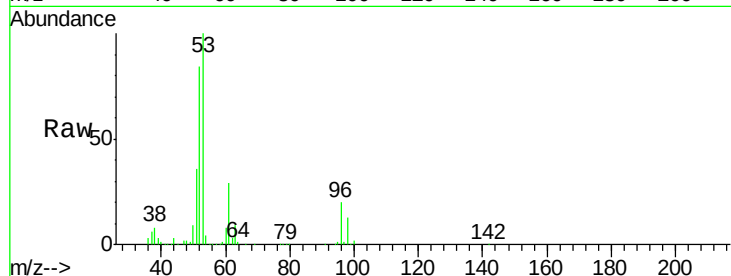
ClientSampled :

VX0423WBSD01

Tot Ion:	53	Resp:	110950
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.4	99.6
51	36.9	29.0	43.6

Manual Integrations
APPROVED

sam
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#16

Acetone

Concen: 116.04 ug/l

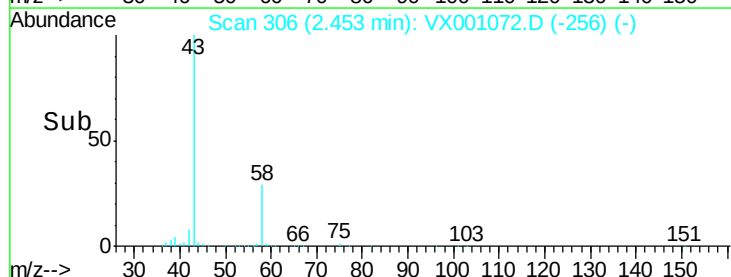
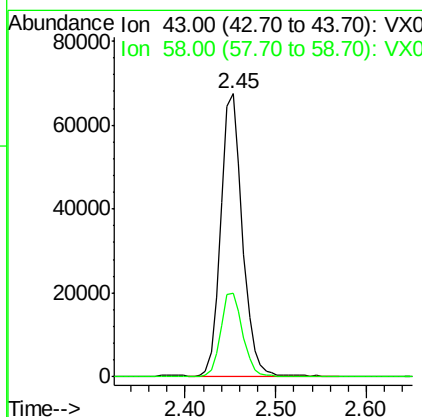
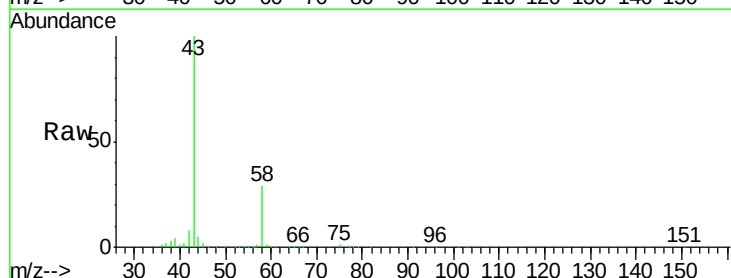
RT: 2.45 min Scan# 306

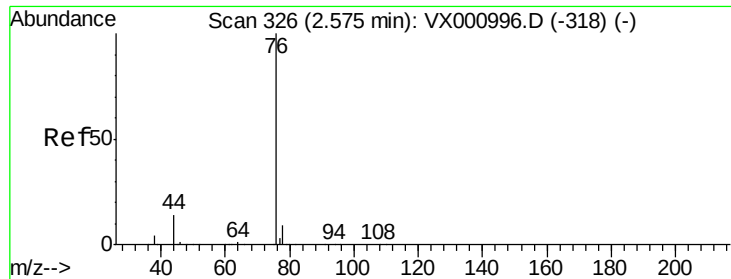
Delta R.T. 0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Tgt Ion:	43	Resp:	113215
Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.7	35.5





#17

Carbon Disulfide

Concen: 17.30 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 76 Resp: 98178

Ion Ratio Lower Upper

76 100

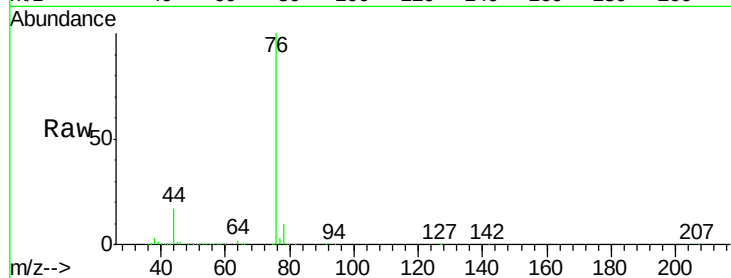
78 9.4 7.3 10.9

Manual Integrations

APPROVED

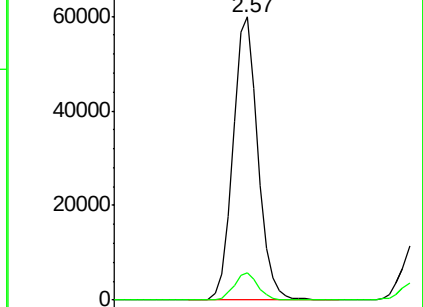
sam

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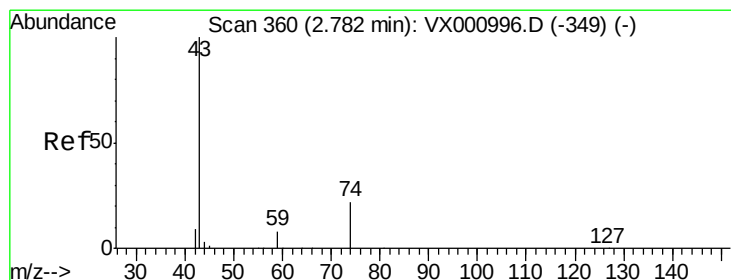
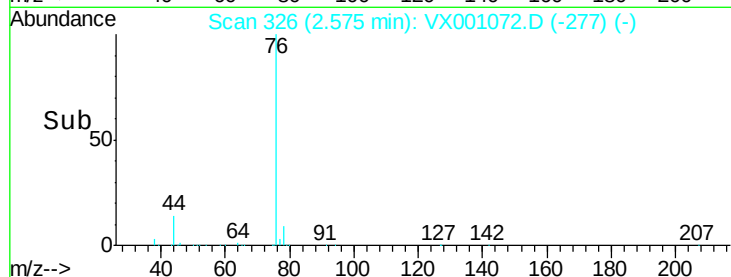


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 24.15 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001072.D

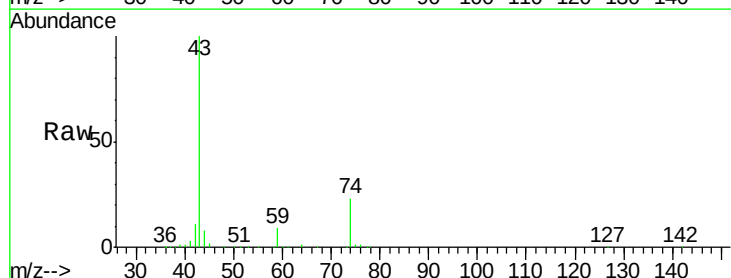
Acq: 23 Apr 2018 21:00

Tgt Ion: 43 Resp: 71294

Ion Ratio Lower Upper

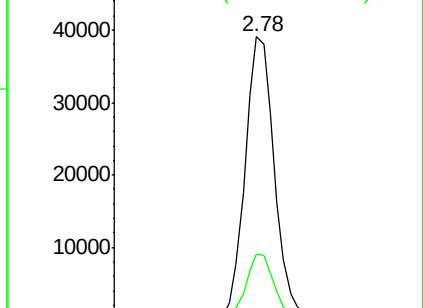
43 100

74 23.1 18.3 27.5

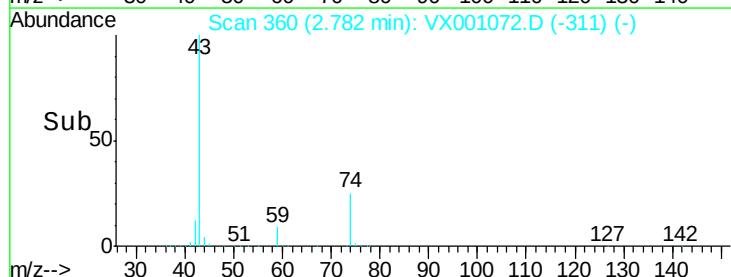


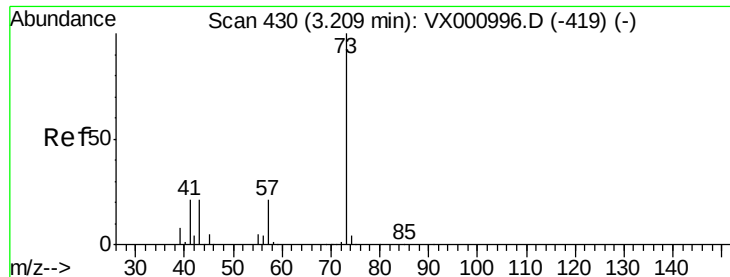
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





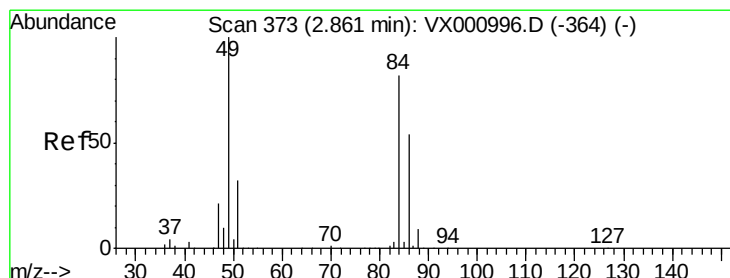
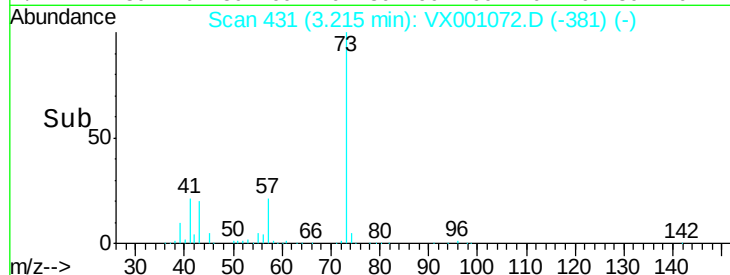
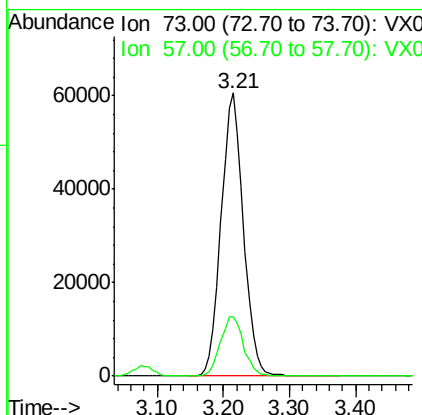
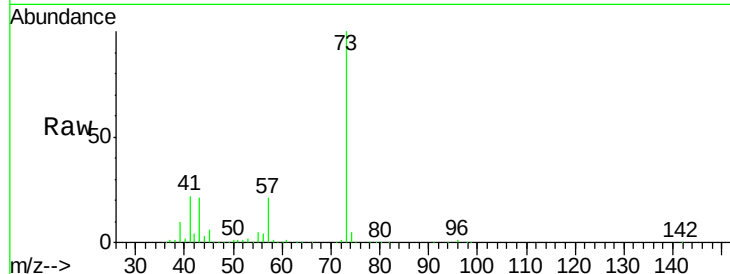
#19
Methyl tert-butyl Ether
Concen: 21.12 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampled :
VX0423WBSD01

Tot Ion: 73 Resp: 141408
Ion Ratio Lower Upper
73 100
57 20.8 17.1 25.7

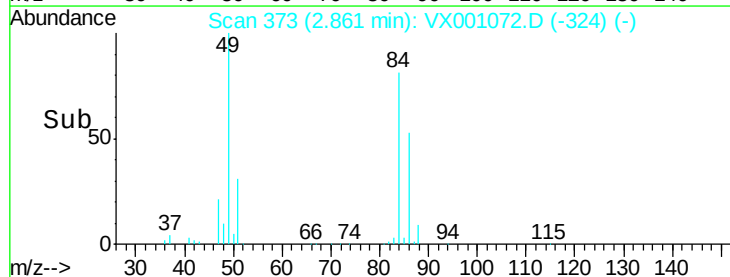
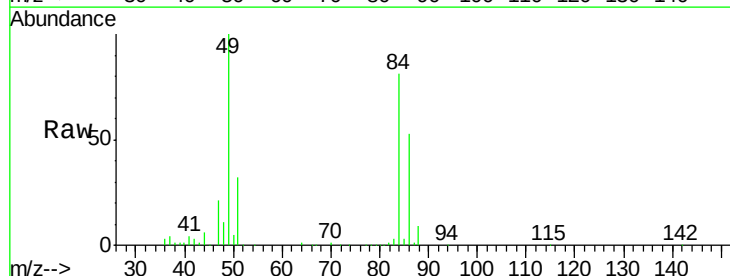
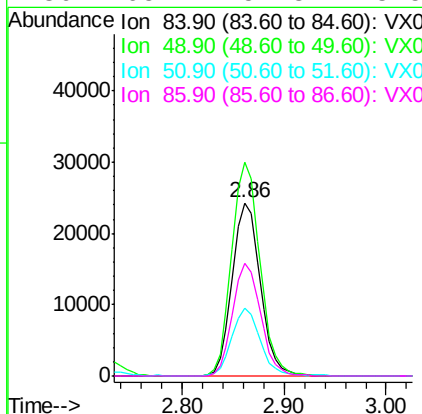
Manual Integrations
APPROVED

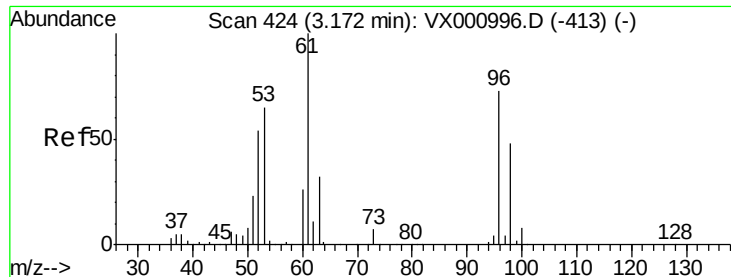
sam
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#20
Methylene Chloride
Concen: 21.68 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion: 84 Resp: 46372
Ion Ratio Lower Upper
84 100
49 123.2 97.1 145.7
51 38.6 30.8 46.2
86 65.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.55 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

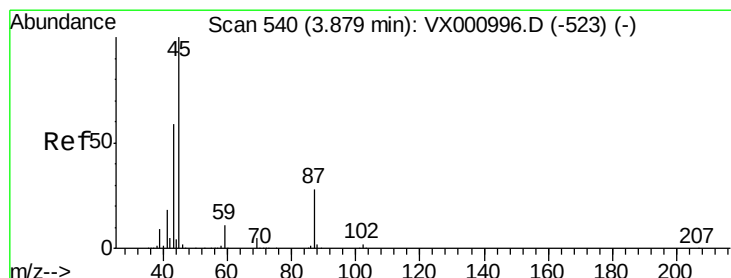
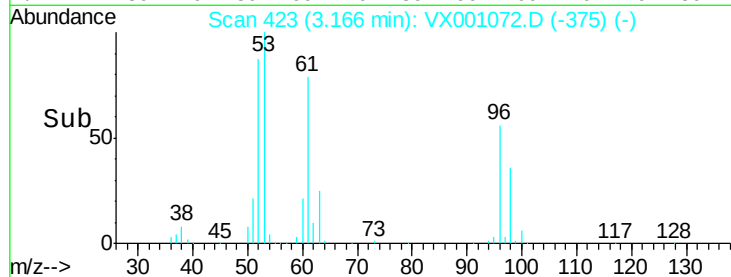
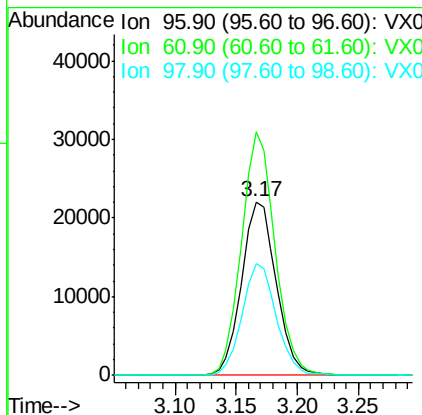
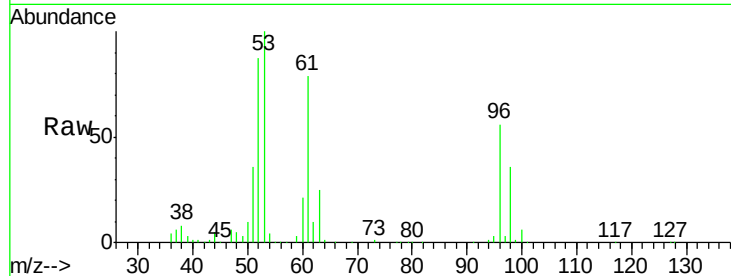
ClientSampleId :

VX0423WBSD01

Tot Ion:	96	Resp:	43330
Ion Ratio	Lower	Upper	
96	100		
61	140.5	109.4	164.2
98	64.5	52.6	78.8

Manual Integrations
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sam
4/24/2018 6:07:52 PM



#22

Diisopropyl ether

Concen: 20.47 ug/l

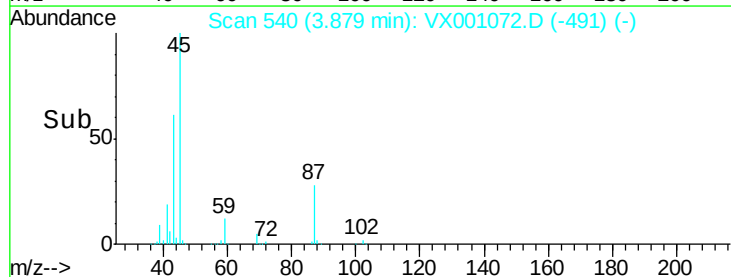
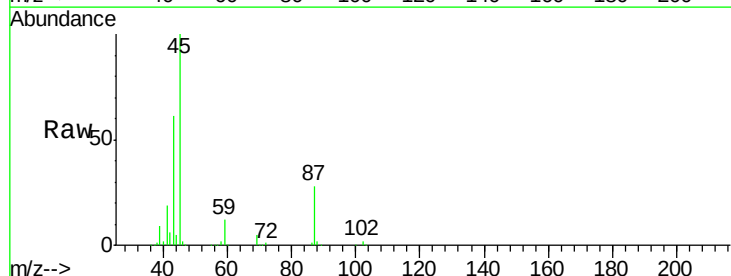
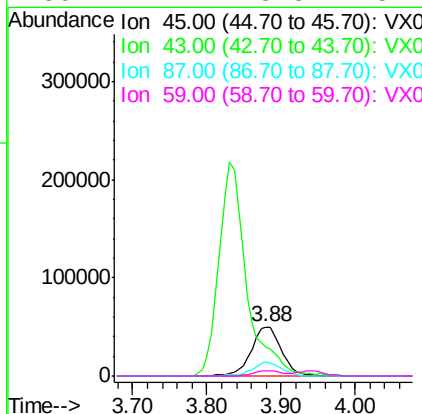
RT: 3.88 min Scan# 540

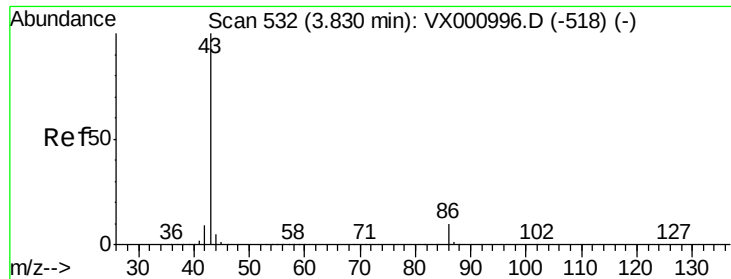
Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Tgt Ion:	45	Resp:	142794
Ion Ratio	Lower	Upper	
45	100		
43	60.7	47.0	70.4
87	28.1	22.5	33.7
59	11.7	8.8	13.2





#23

Vinyl Acetate

Concen: 98.30 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 43 Resp: 567781

Ion Ratio Lower Upper

43 100

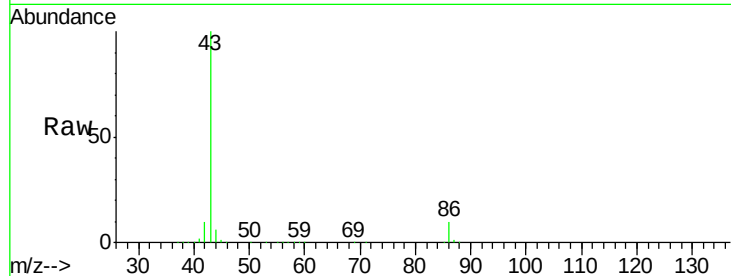
86 9.7 8.1 12.1

Manual Integrations

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sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

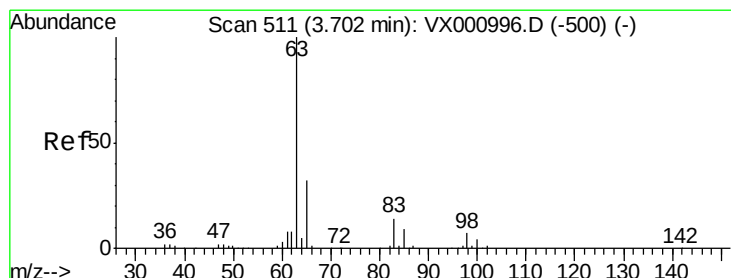
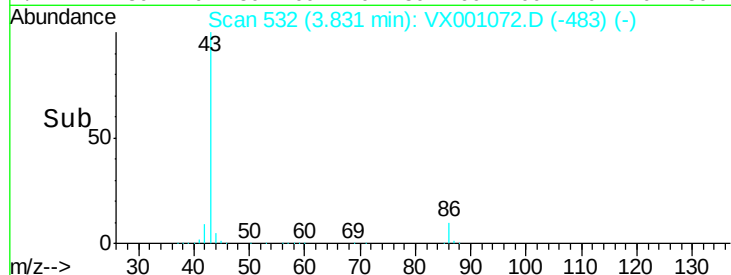
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.41 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

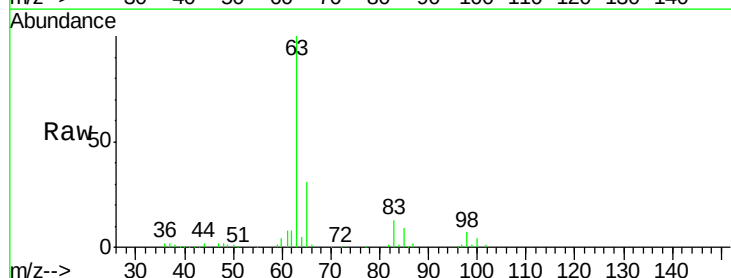
Tgt Ion: 63 Resp: 79877

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.4 2.1 6.3



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

40000

30000

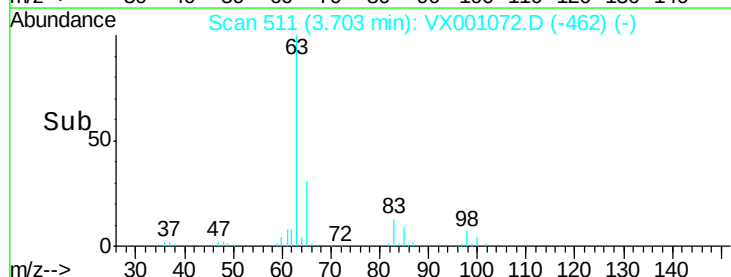
20000

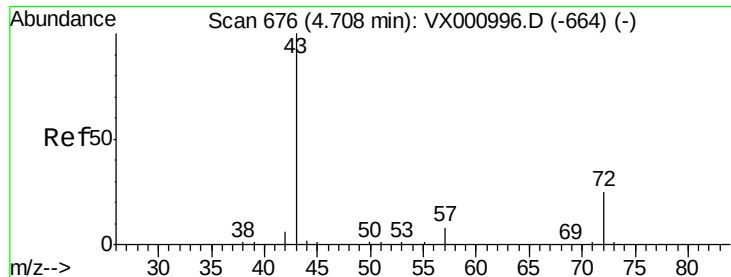
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 107.16 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 43 Resp: 163208

Ion Ratio Lower Upper

43 100

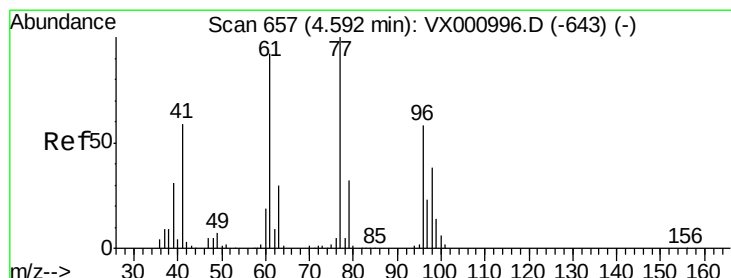
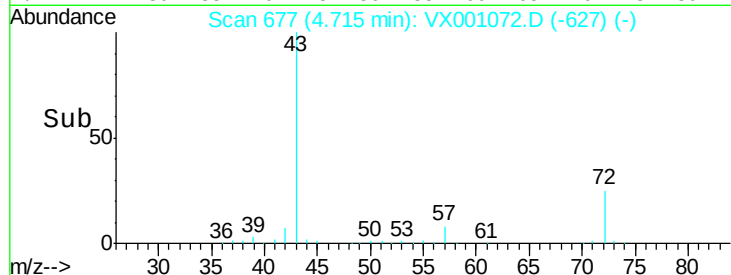
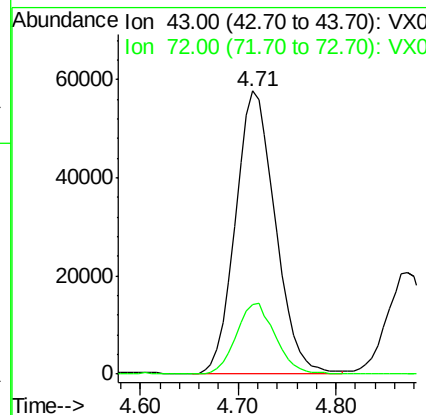
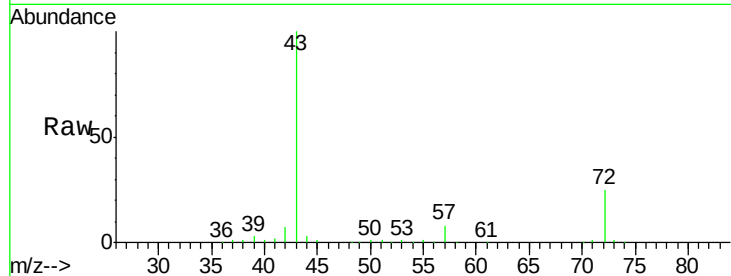
72 24.8 19.9 29.9

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 17.36 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001072.D

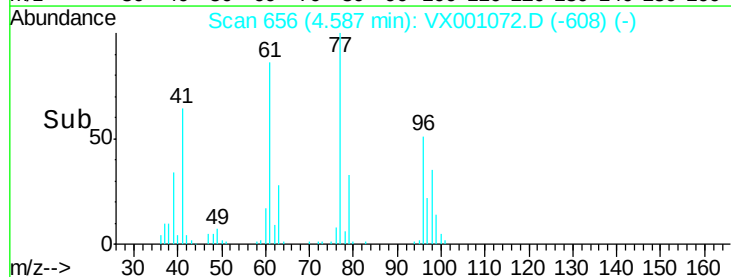
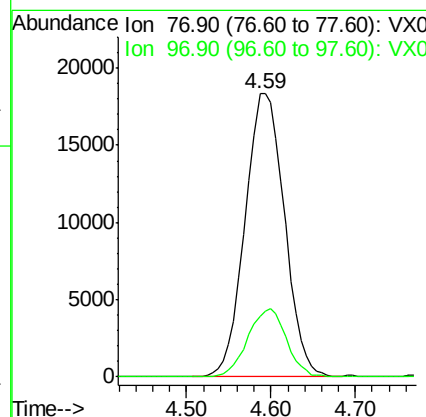
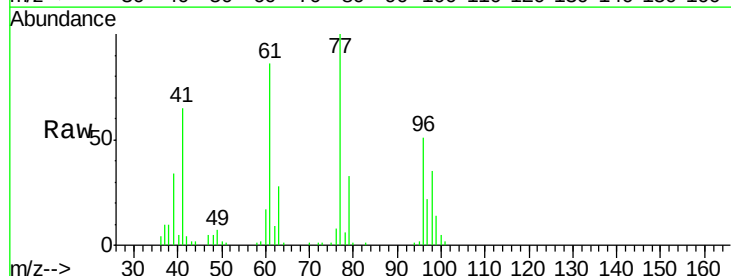
Acq: 23 Apr 2018 21:00

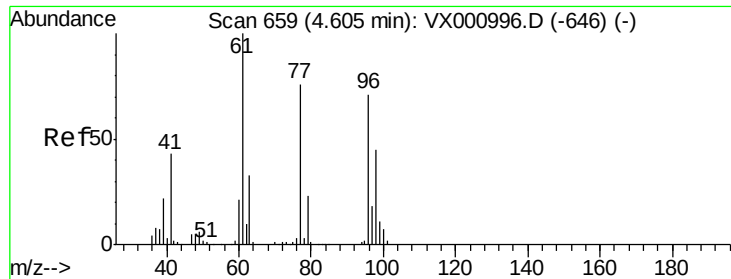
Tgt Ion: 77 Resp: 58425

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 19.94 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

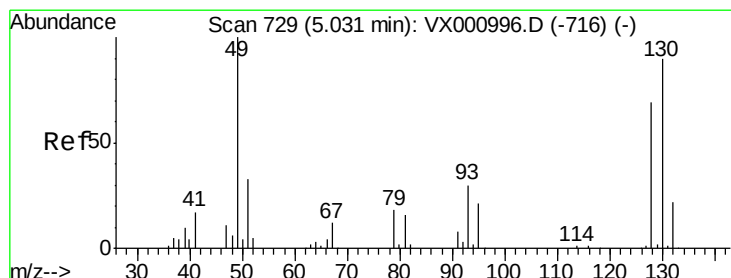
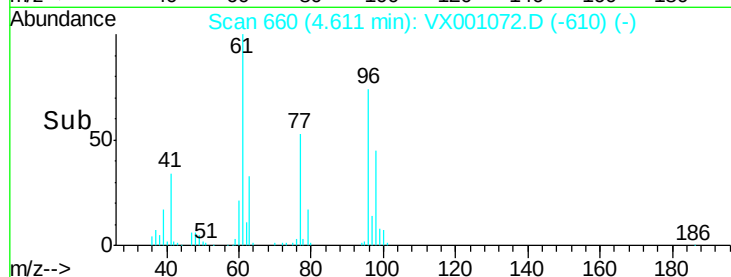
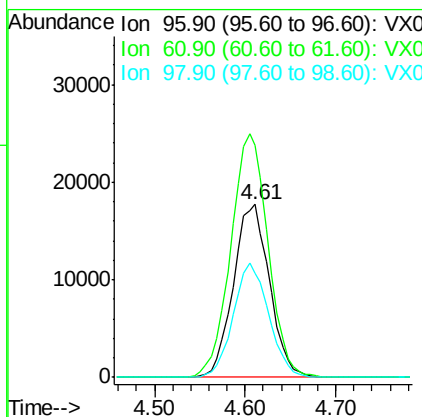
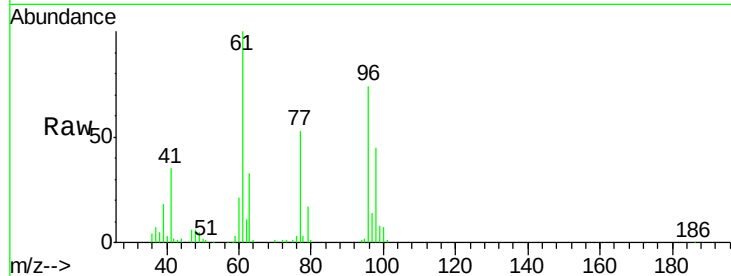
ClientSampleId :

VX0423WBSD01

Tot Ion:	96	Resp:	49249
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	297.0
98	64.7	0.0	130.0

Manual Integrations
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sam
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#28

Bromochloromethane

Concen: 21.08 ug/l

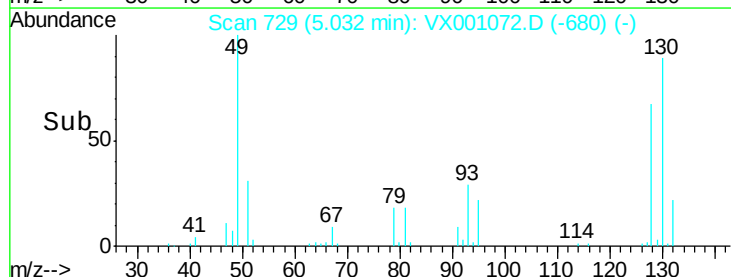
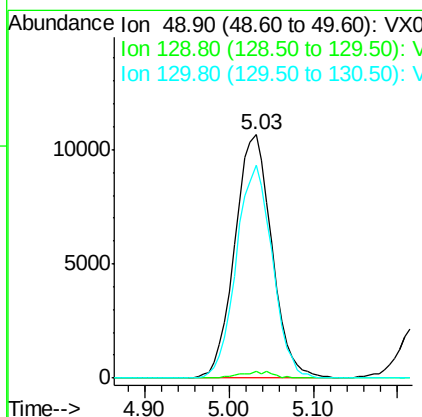
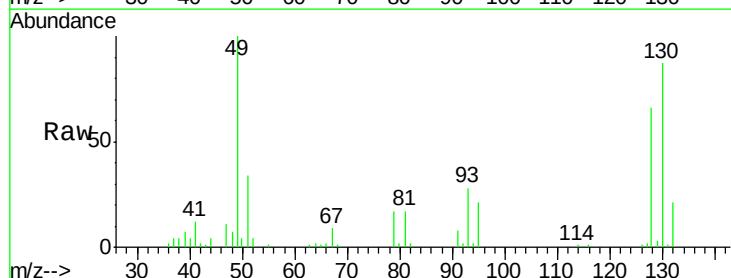
RT: 5.03 min Scan# 729

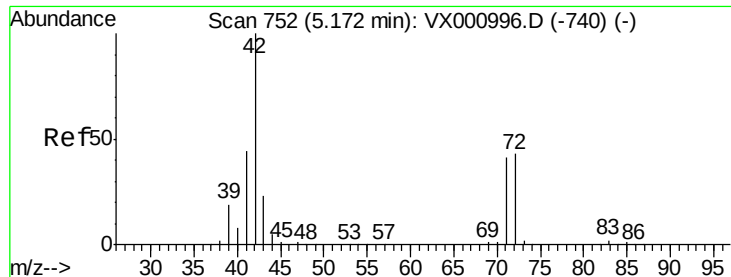
Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Tgt Ion:	49	Resp:	31726
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	84.9	70.6	105.8





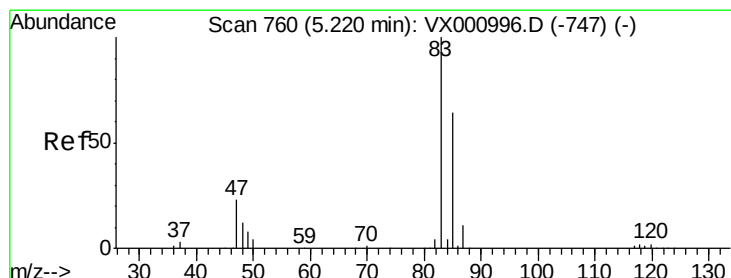
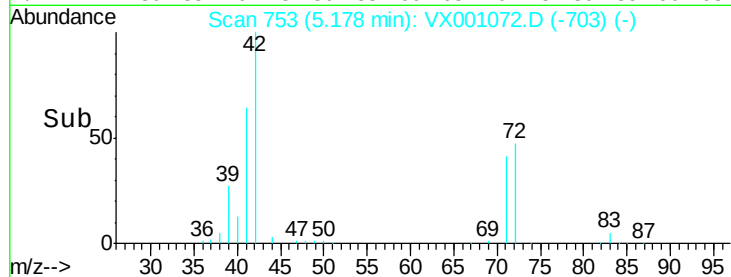
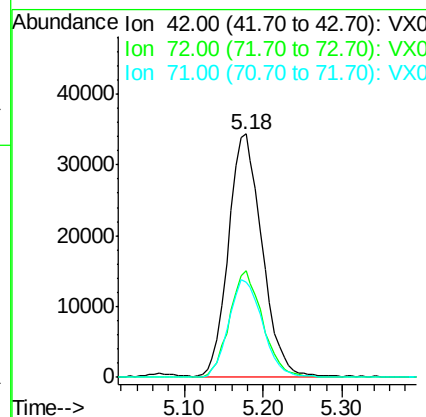
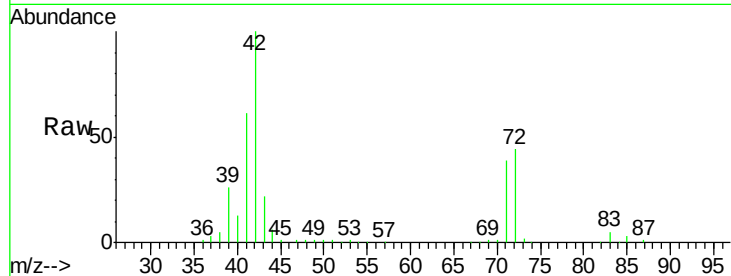
#29
Tetrahydrofuran
Concen: 105.61 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	40.8	32.6	49.0

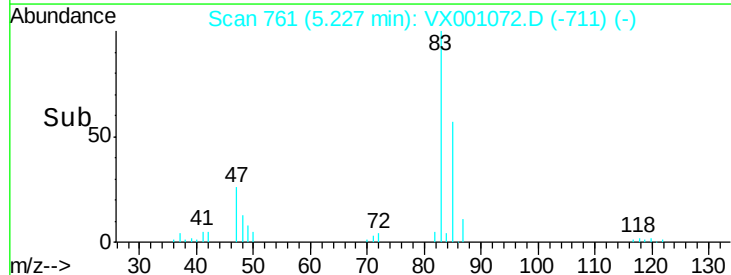
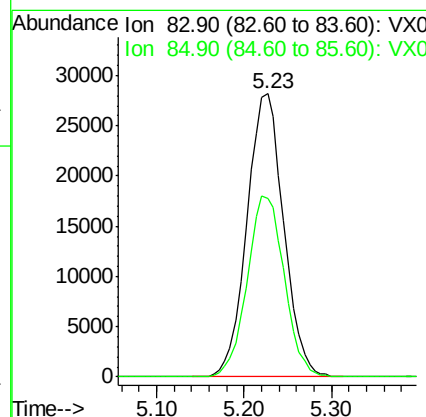
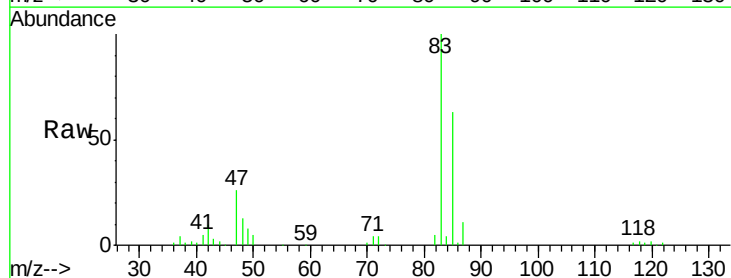
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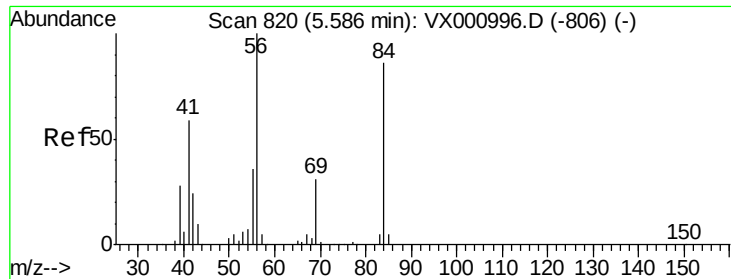
sam
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#30
Chloroform
Concen: 20.31 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.3	76.9





#31

Cyclohexane

Concen: 19.07 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

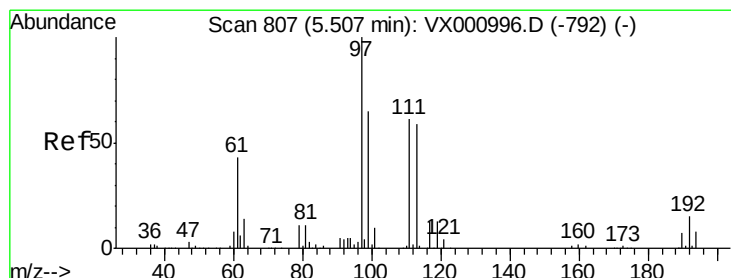
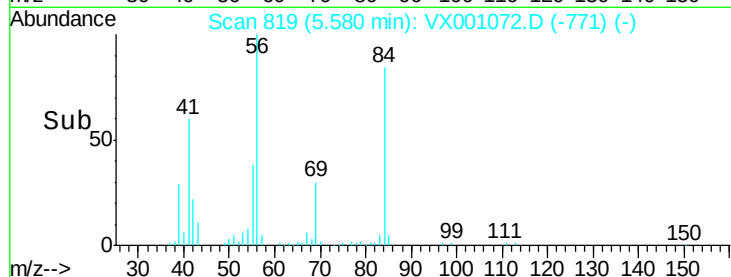
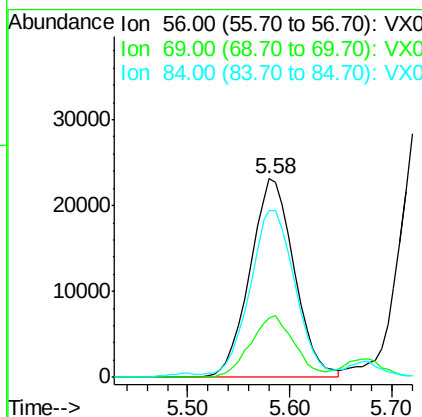
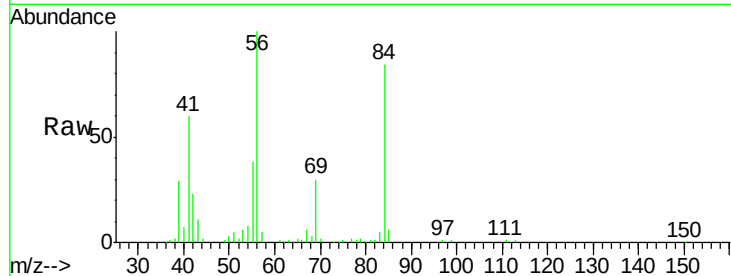
ClientSampleId :

VX0423WBSD01

Tot Ion:	56	Resp:	69659
Ion Ratio	Lower	Upper	
56	100		
69	29.8	24.6	36.8
84	82.3	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.11 ug/l

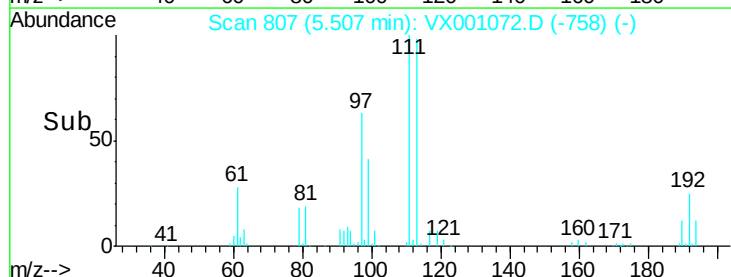
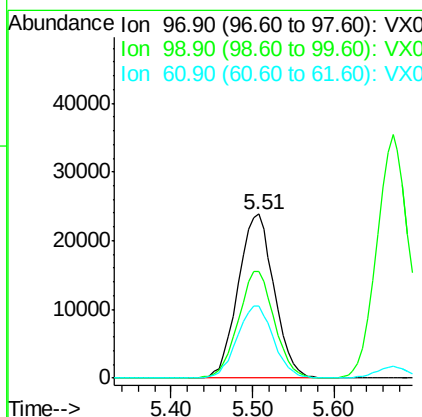
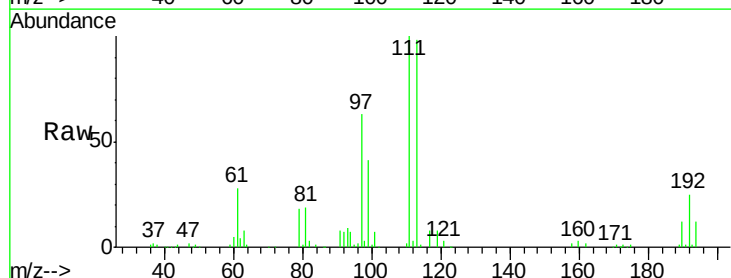
RT: 5.51 min Scan# 807

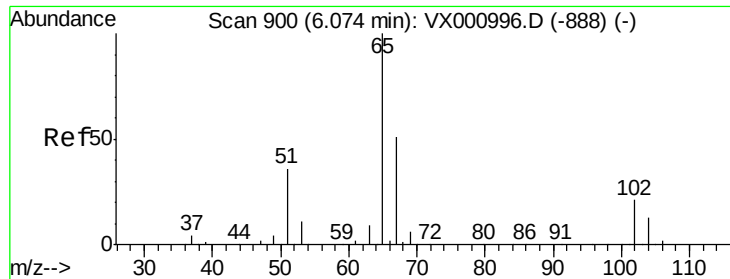
Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Tgt Ion:	97	Resp:	73058
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.1	76.7
61	44.7	34.4	51.6





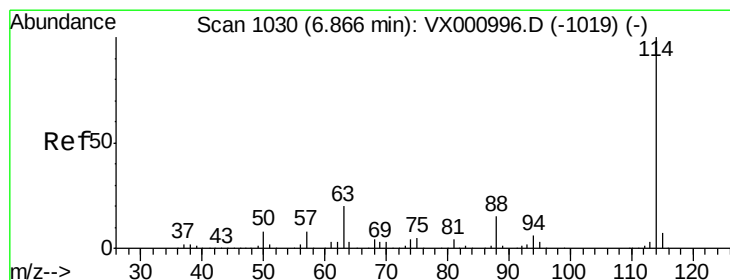
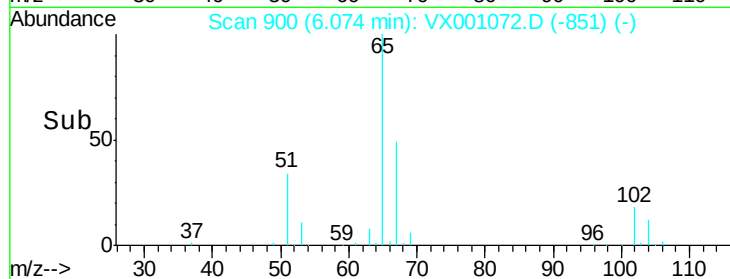
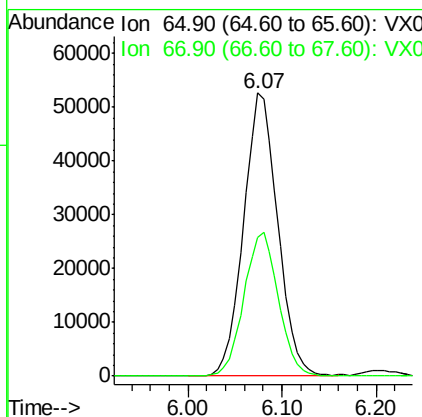
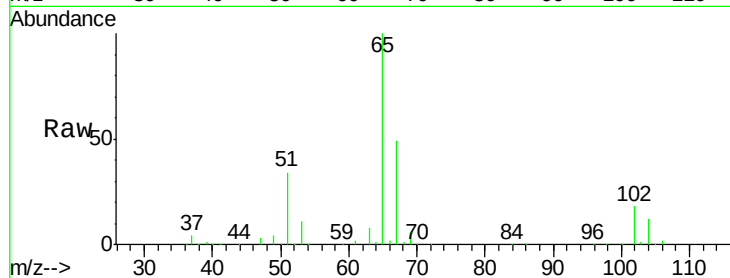
#33
 1,2-Dichloroethane-d4
 Concen: 51.74 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134061		
67	51.3	0.0	102.6	

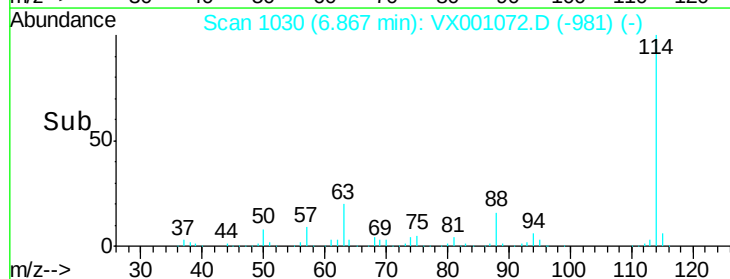
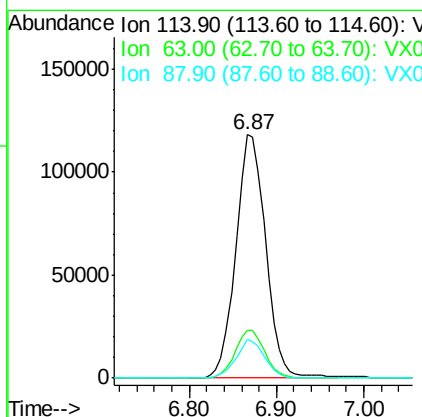
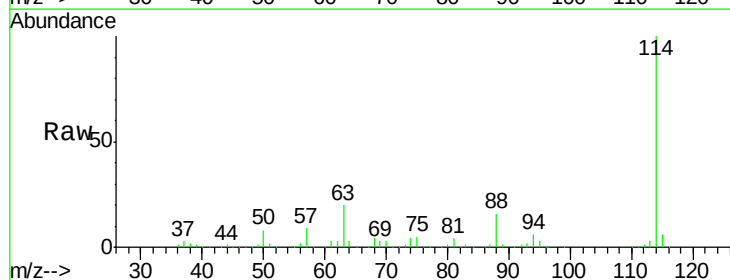
Manual Integrations
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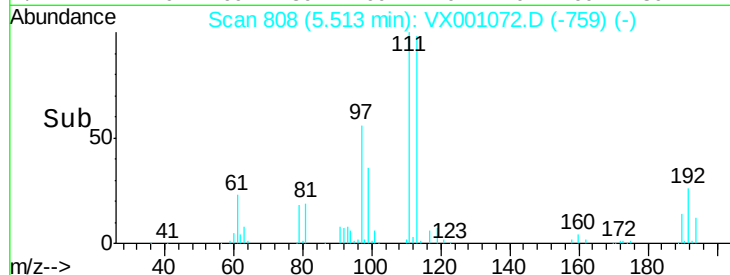
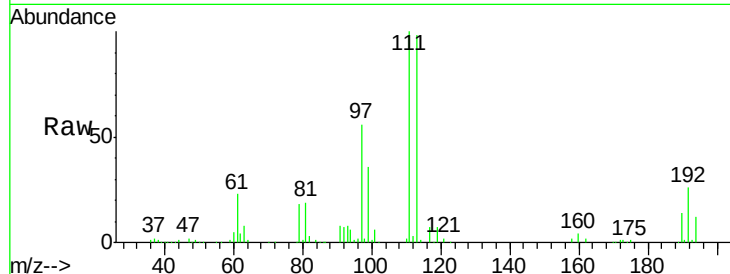
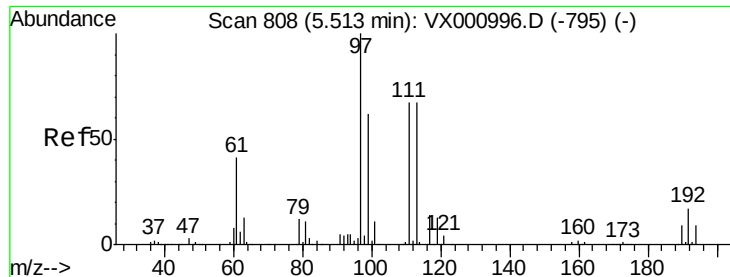
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	281531		
63	19.8	0.0	39.4	
88	15.8	0.0	29.8	





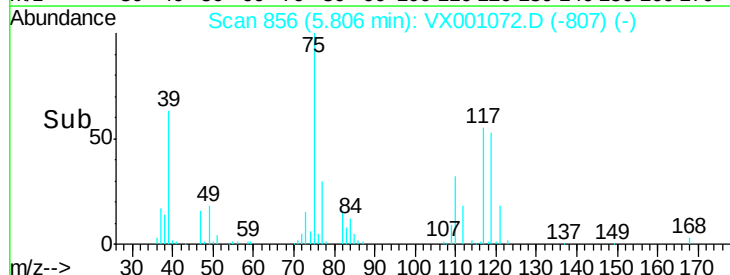
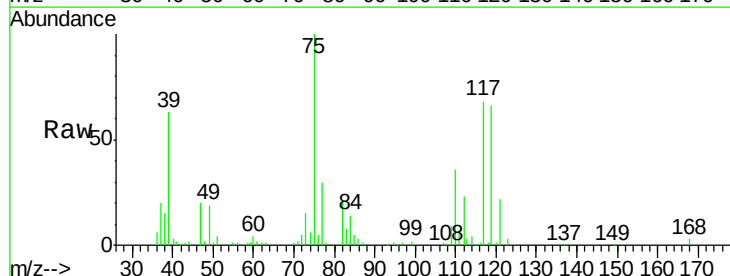
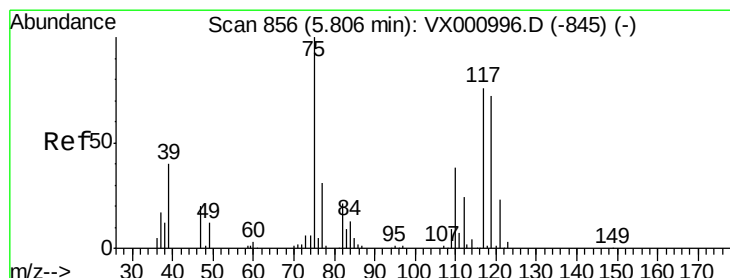
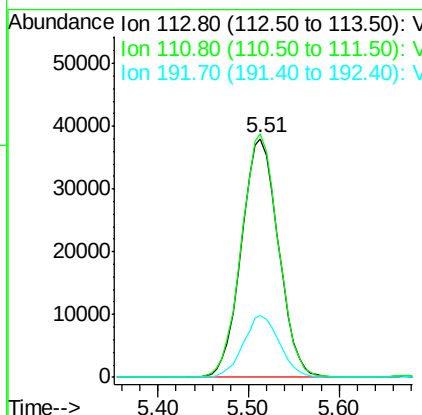
#35
Dibromofluoromethane
Concen: 50.11 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107570		
111	101.5	81.4	122.2	
192	25.3	20.4	30.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

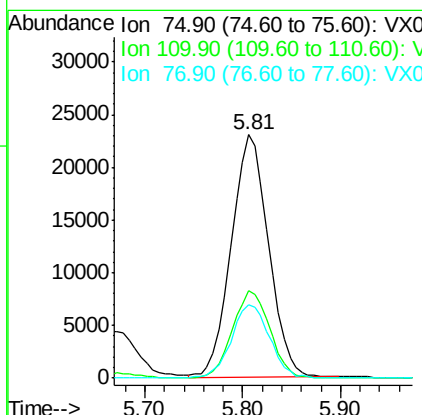
Manual Integrations
APPROVED

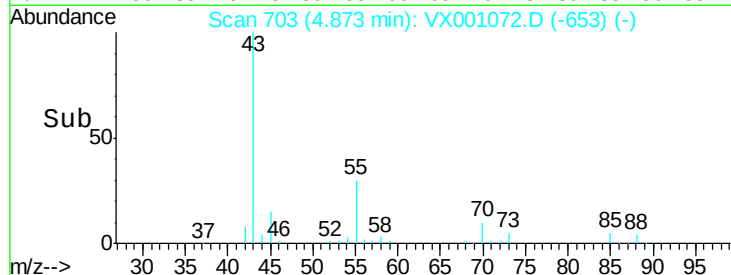
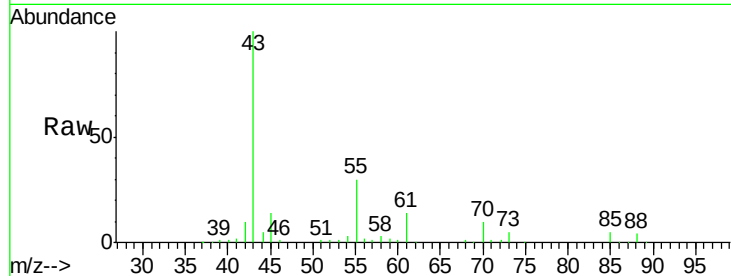
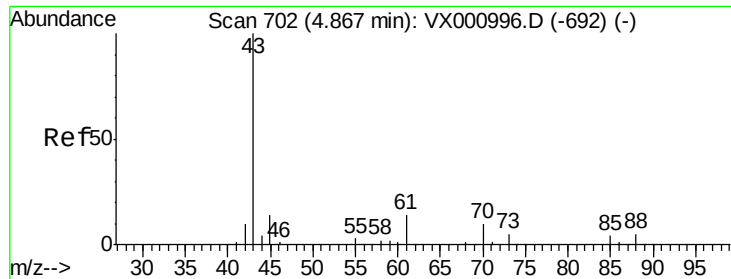
sam
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#36
1,1-Dichloropropene
Concen: 18.35 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60714		
110	36.2	18.7	56.1	
77	31.2	25.0	37.4	





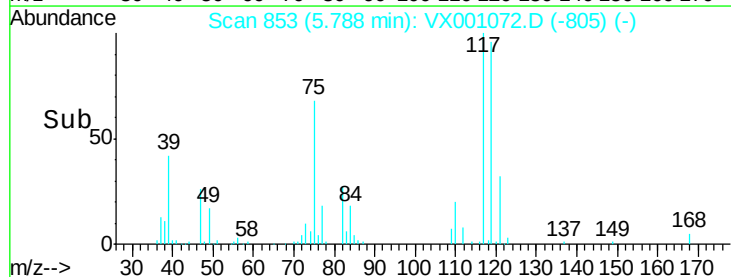
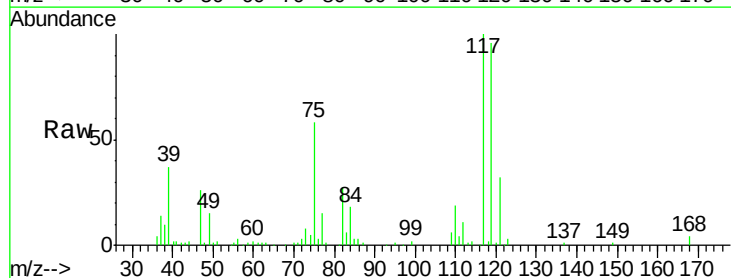
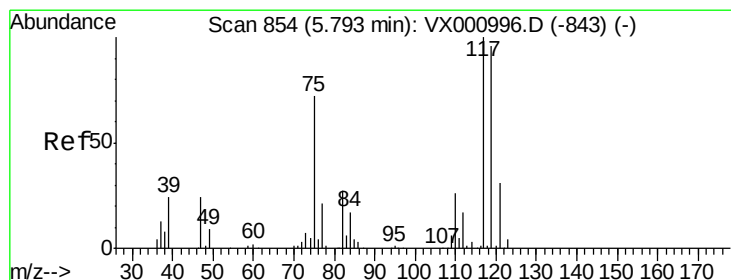
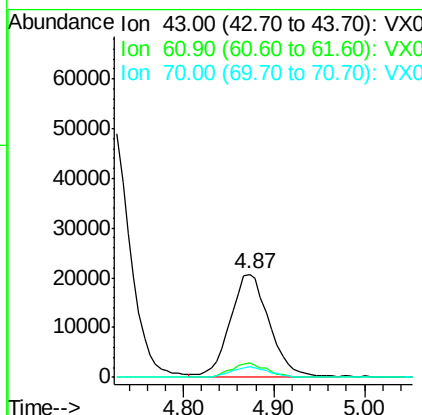
#37
Ethyl Acetate
Concen: 20.10 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.1	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

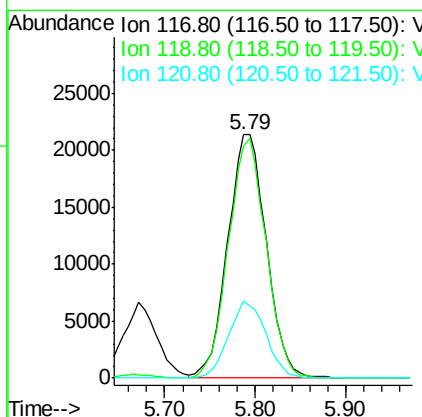
Manual Integrations
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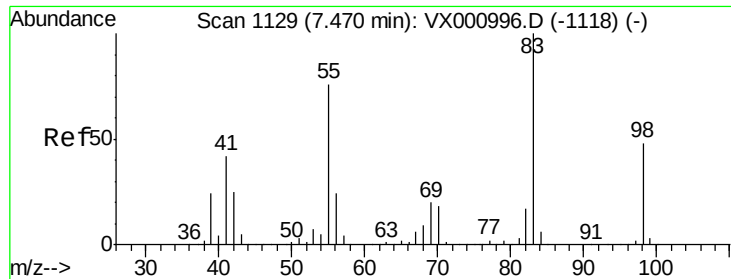
sam
4/24/2018 6:07:52 PM



#38
Carbon Tetrachloride
Concen: 18.88 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.5	114.7
121	31.7	24.5	36.7





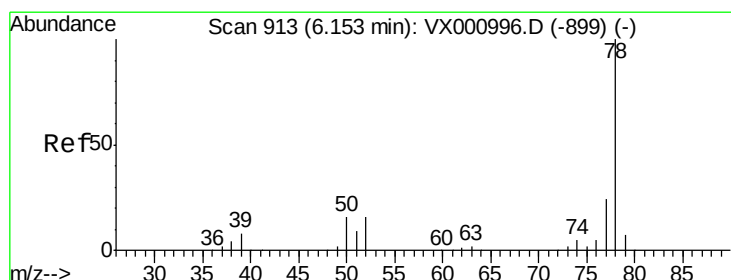
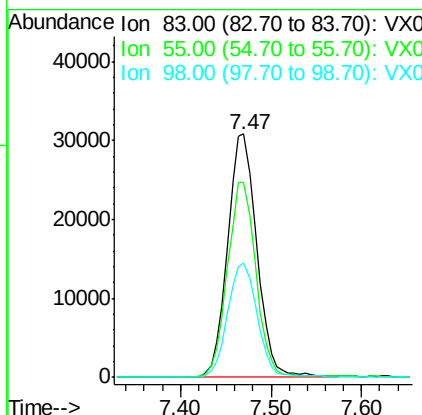
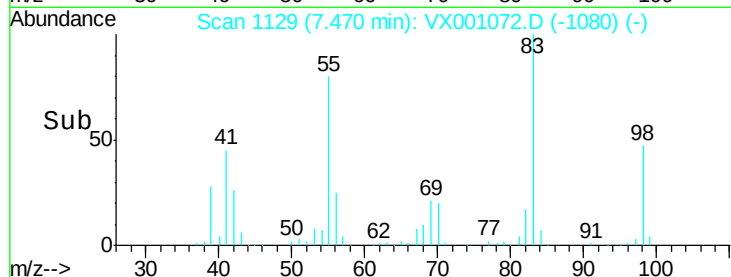
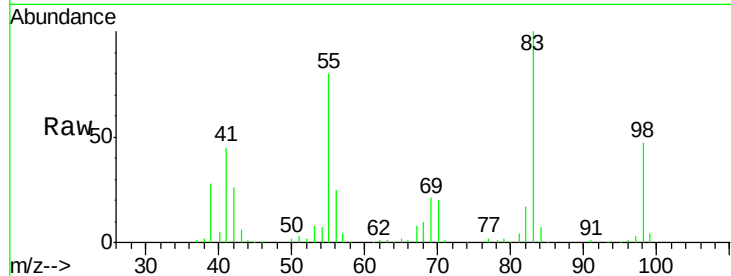
#39
Methylvlcyclohexane
Concen: 17.98 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	60.6	91.0
98	47.1	38.2	57.4

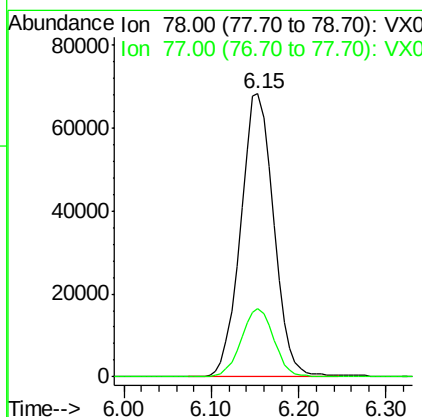
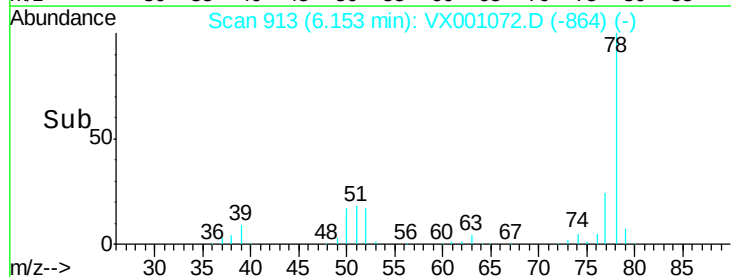
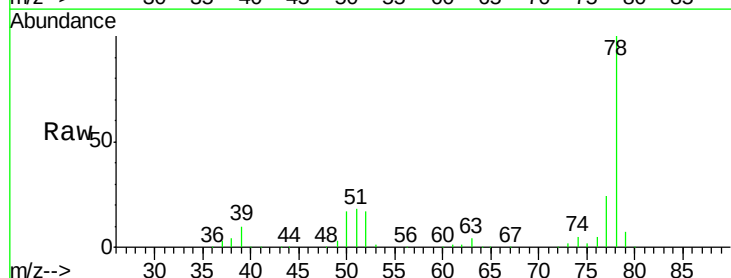
Manual Integrations
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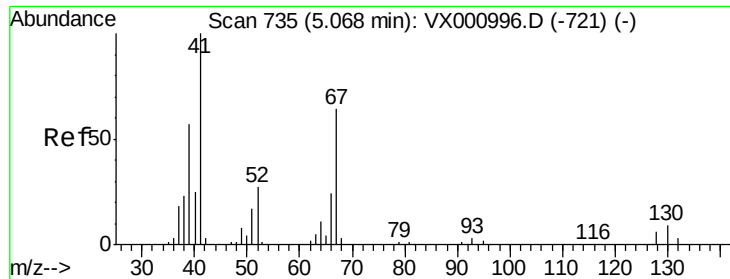
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#40
Benzene
Concen: 19.50 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





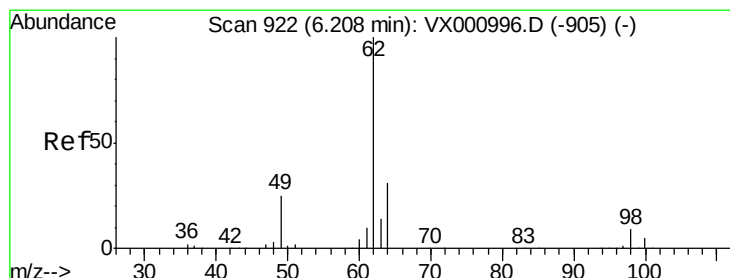
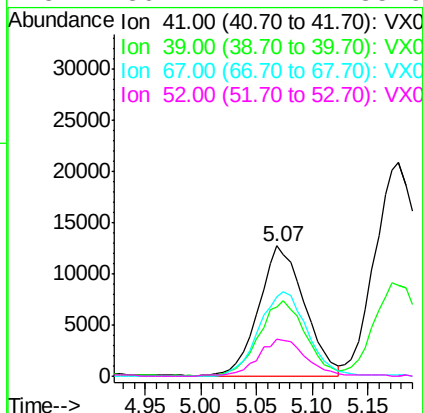
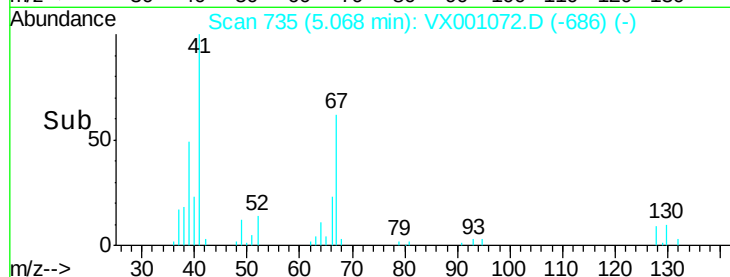
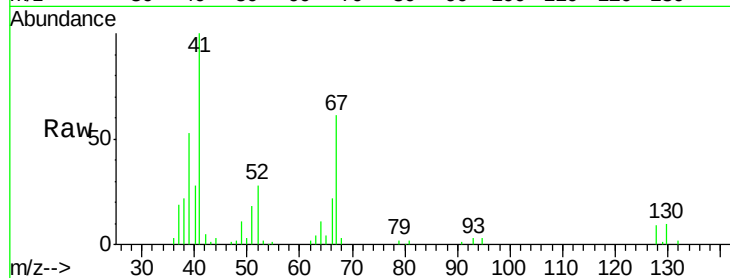
#41
Methacrylonitrile
Concen: 19.06 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.8	45.2	67.8	
67	69.3	53.8	80.8	
52	30.4	22.4	33.6	

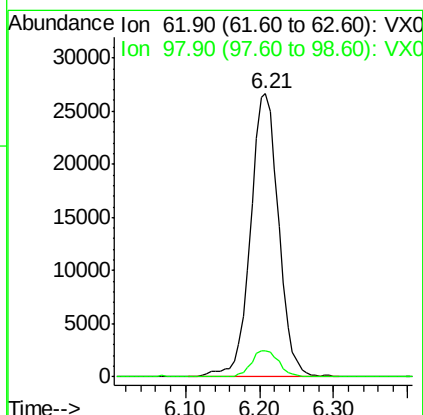
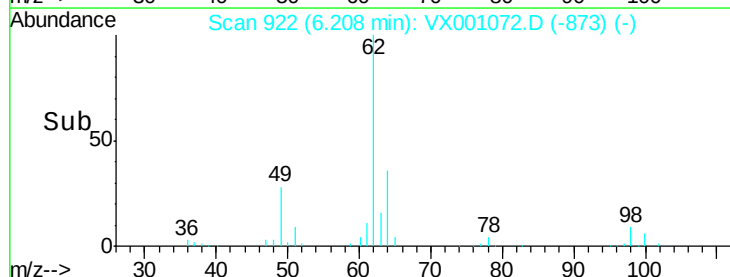
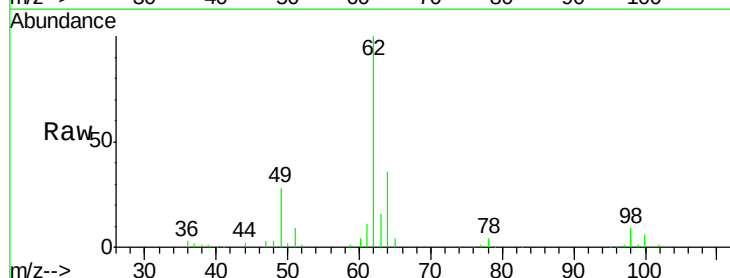
Manual Integrations
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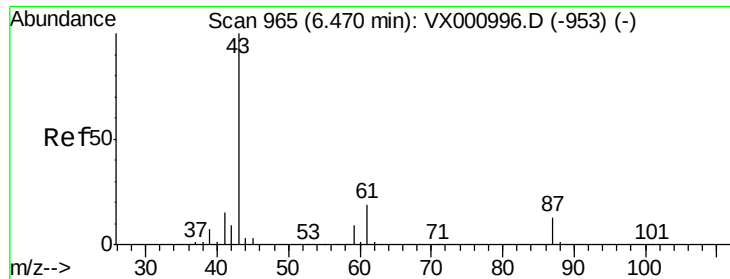
sam
4/24/2018 6:07:52 PM



#42
1,2-Dichloroethane
Concen: 19.81 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.6	





#43

Isopropyl Acetate

Concen: 19.76 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

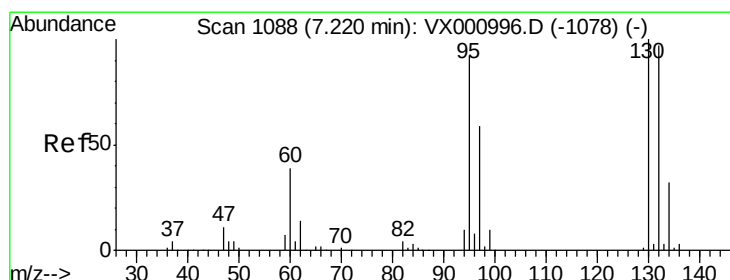
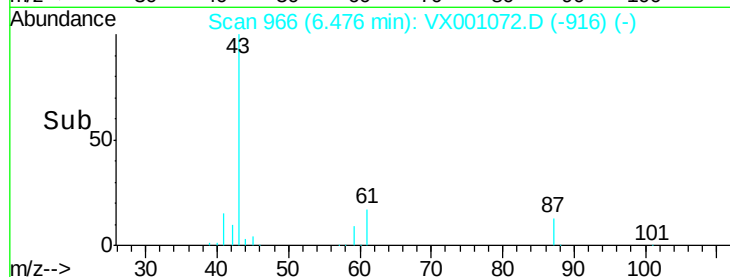
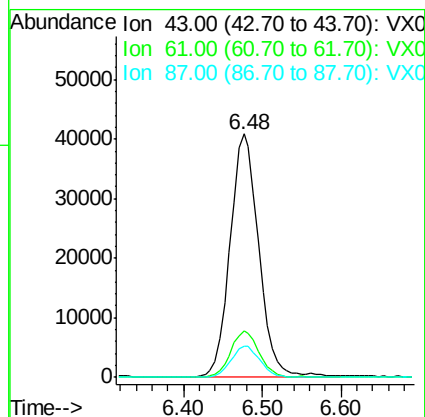
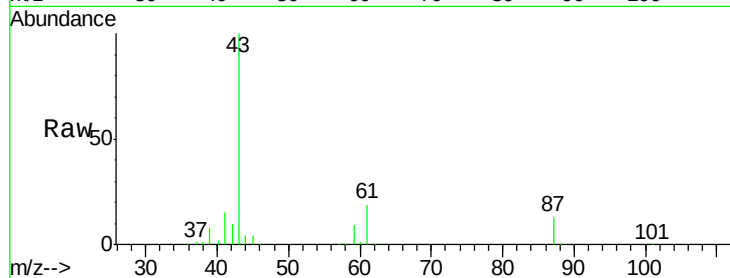
ClientSampleId :

VX0423WBSD01

Tot Ion:	43	Resp:	102866
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.2
87	13.0	10.6	15.8

Manual Integrations
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4/24/2018 6:07:52 PM



#44

Trichloroethene

Concen: 19.10 ug/l

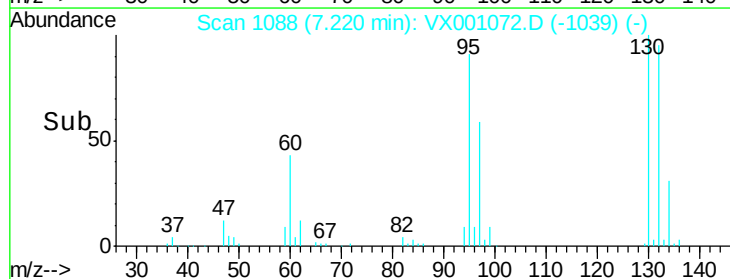
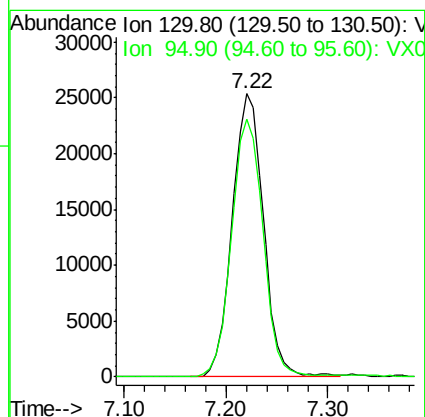
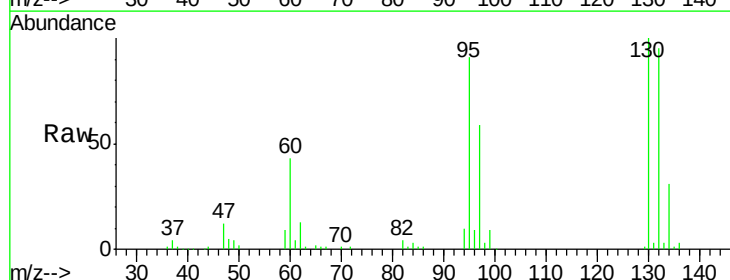
RT: 7.22 min Scan# 1088

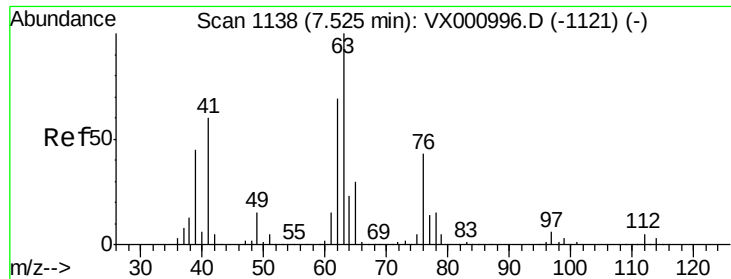
Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Tgt Ion:	130	Resp:	53662
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	184.2





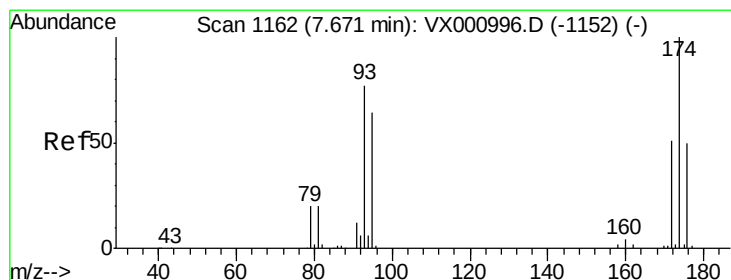
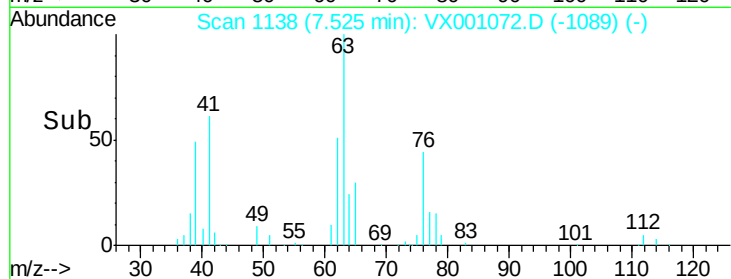
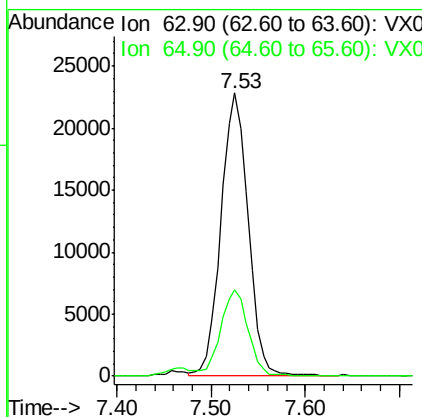
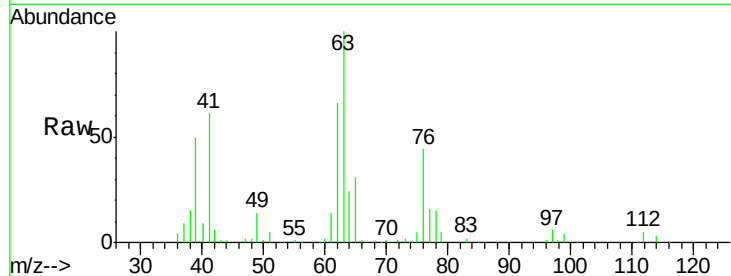
#45
 1,2-Dichloropropane
 Concen: 19.79 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Tot Ion: 63 Resp: 45767
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

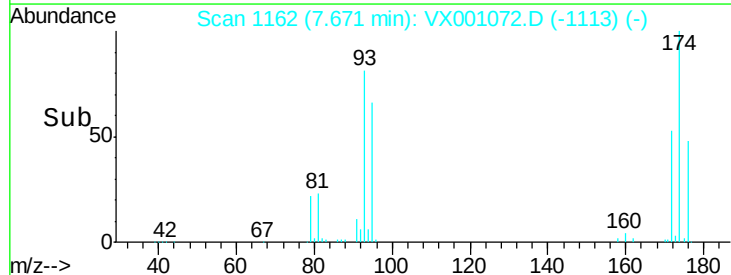
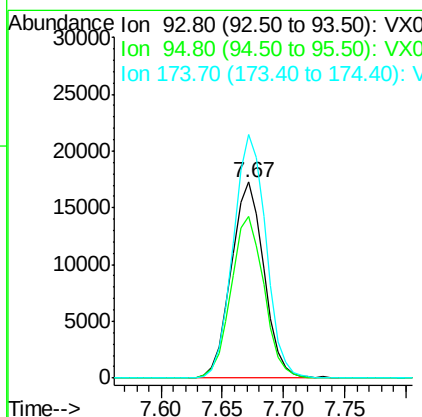
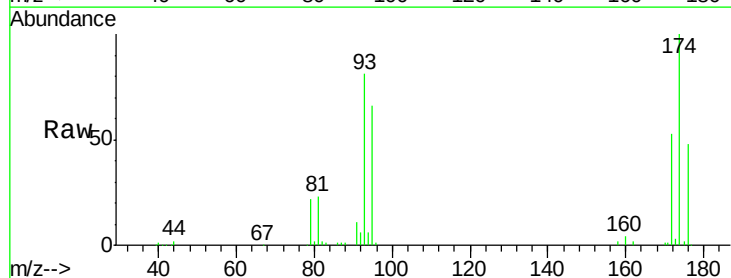
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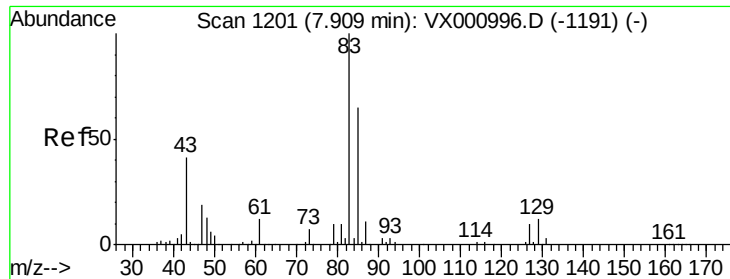
sam
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#46
 Dibromomethane
 Concen: 19.77 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Tgt Ion: 93 Resp: 31951
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 124.6 101.8 152.6





#47

Bromodichloromethane

Concen: 19.32 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

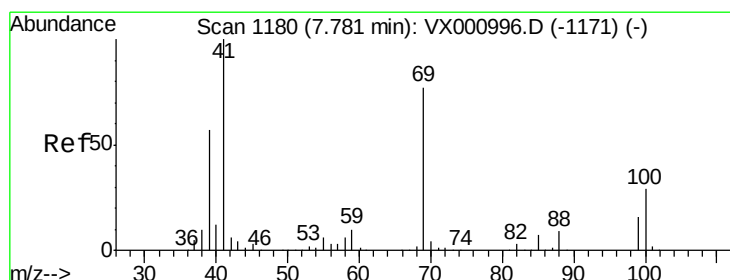
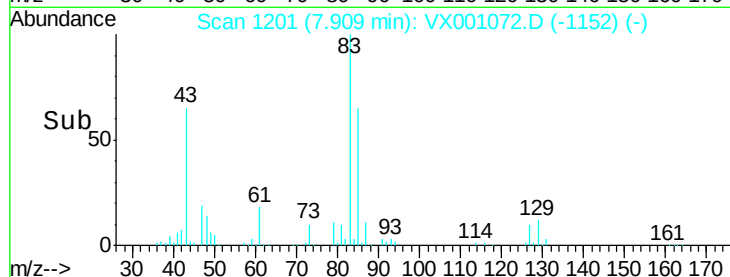
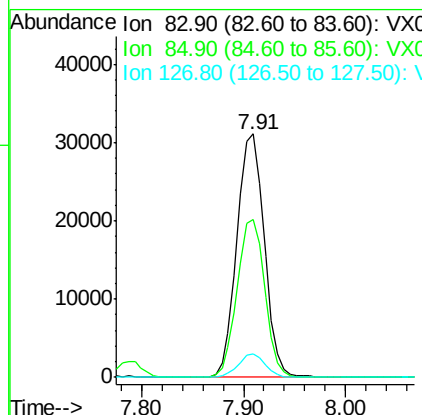
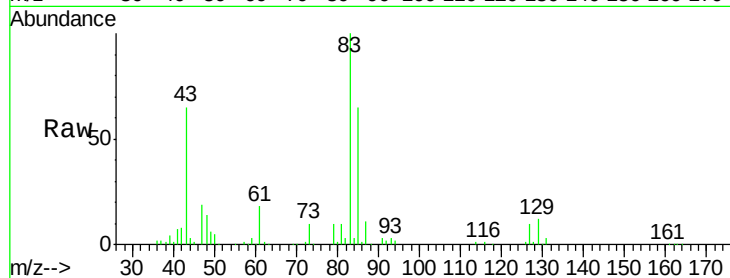
ClientSampleId :

VX0423WBSD01

Tot Ion:	83	Resp:	57831
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5
127	9.6	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.95 ug/l

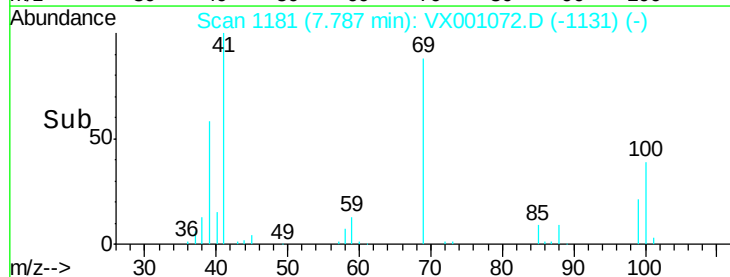
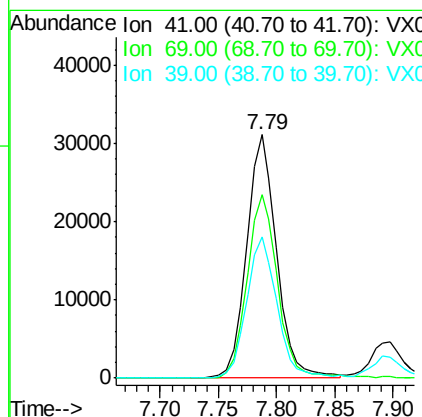
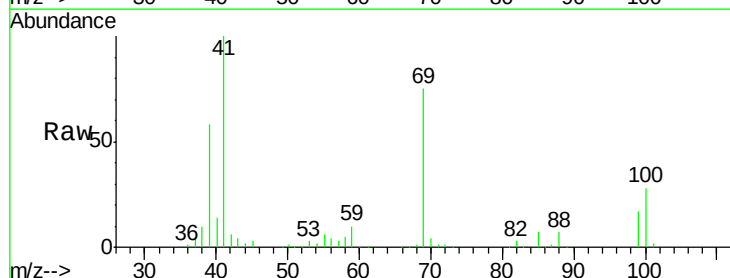
RT: 7.79 min Scan# 1181

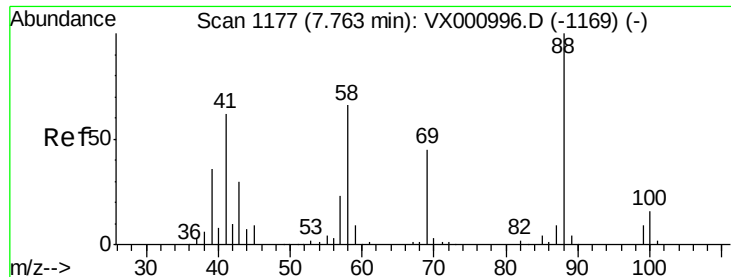
Delta R.T. 0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Tgt Ion:	41	Resp:	55941
Ion	Ratio	Lower	Upper
41	100		
69	77.6	62.6	94.0
39	58.4	45.3	67.9





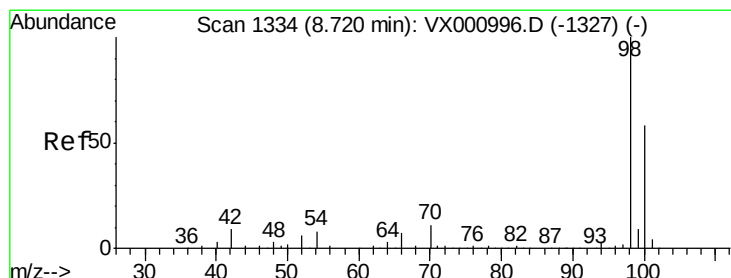
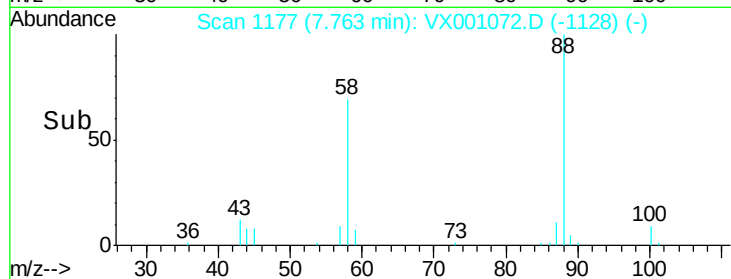
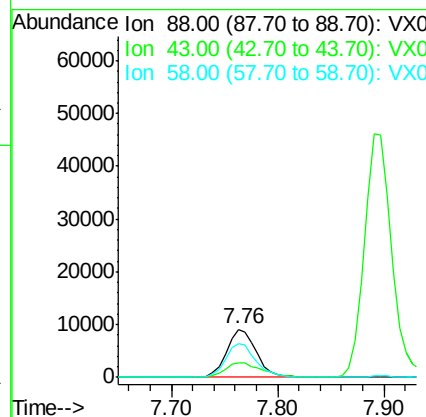
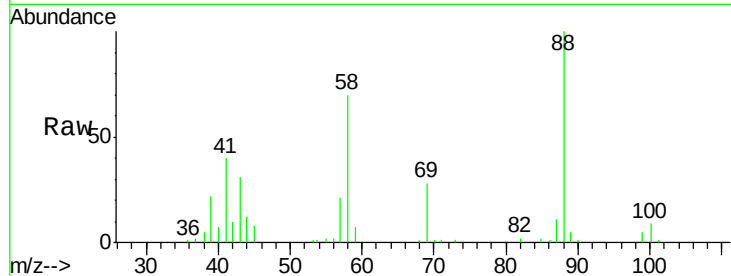
#49
1,4-Dioxane
Concen: 427.45 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	29.2	43.8
58	72.0	55.0	82.6

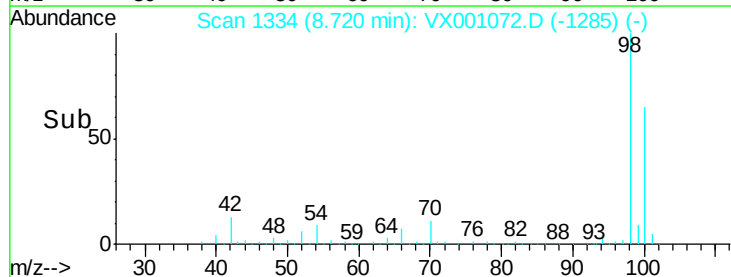
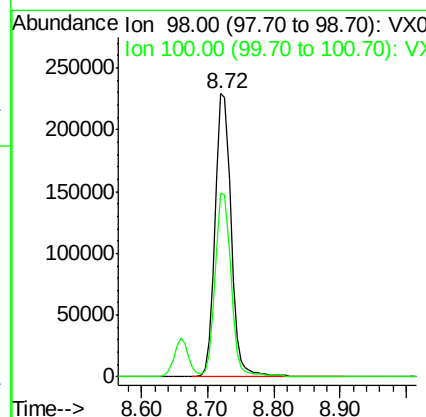
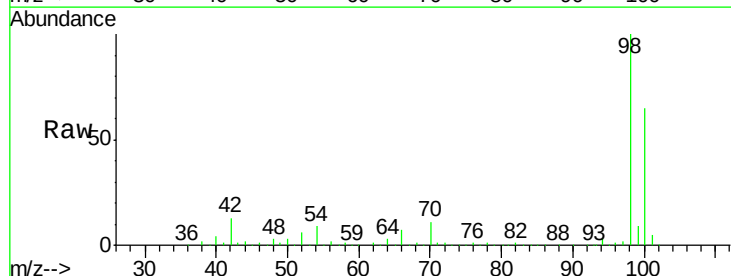
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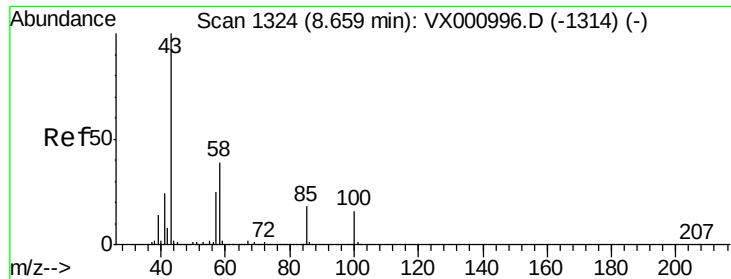
sam
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#50
Toluene-d8
Concen: 48.56 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 105.35 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 43 Resp: 333038

Ion Ratio Lower Upper

43 100

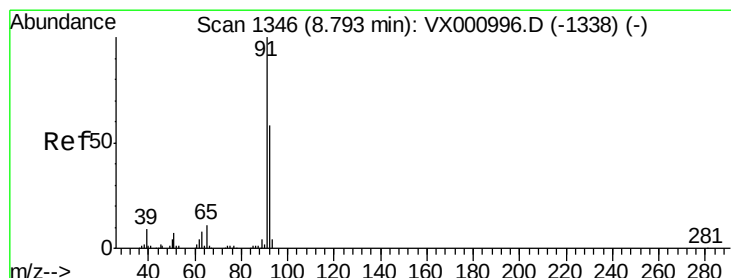
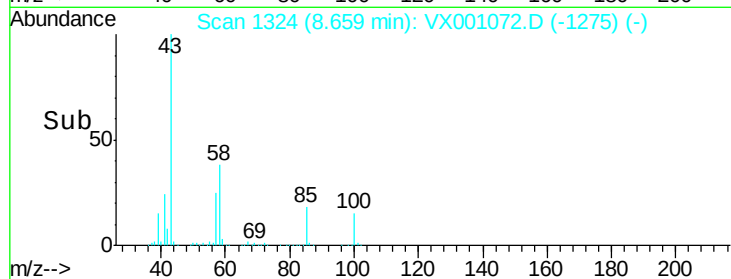
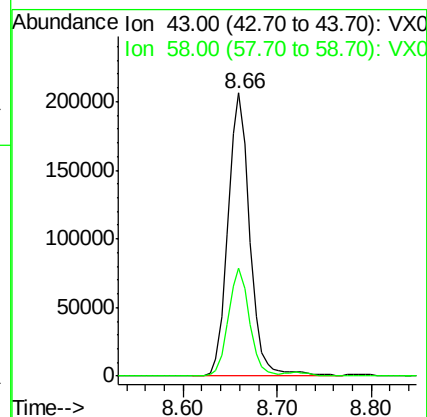
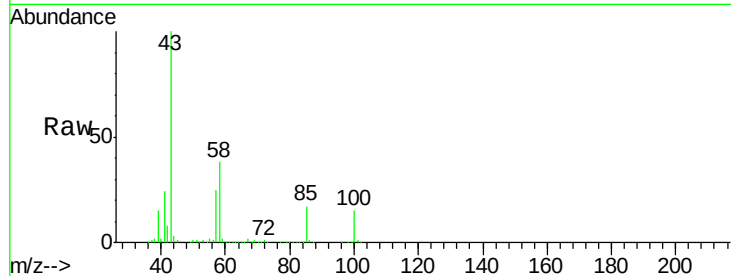
58 36.7 30.2 45.4

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#52

Toluene

Concen: 19.46 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001072.D

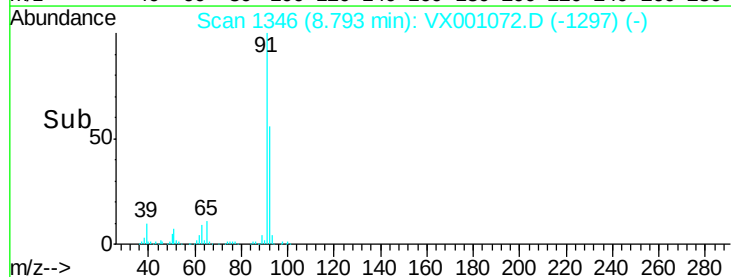
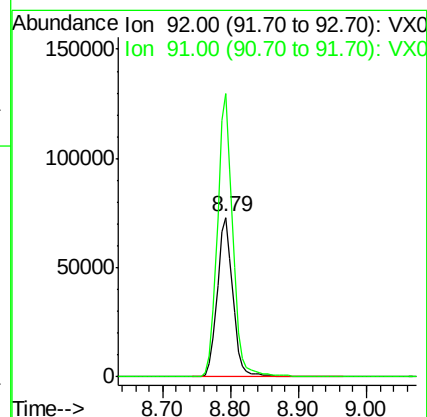
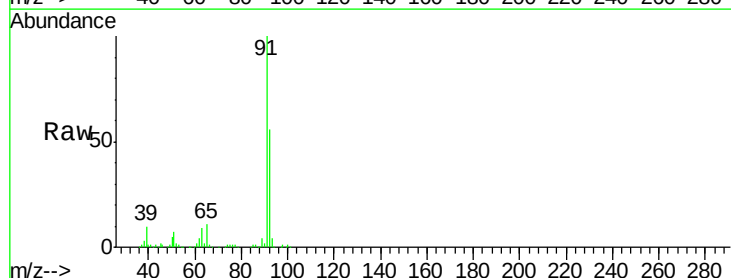
Acq: 23 Apr 2018 21:00

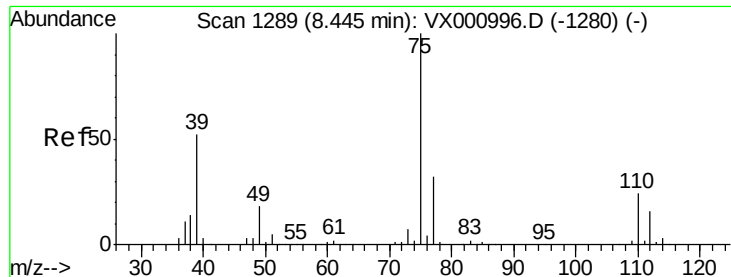
Tgt Ion: 92 Resp: 116795

Ion Ratio Lower Upper

92 100

91 174.3 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 18.93 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 75 Resp: 67780

Ion Ratio Lower Upper

75 100

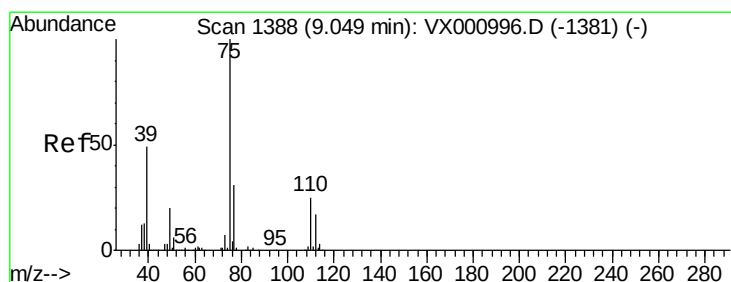
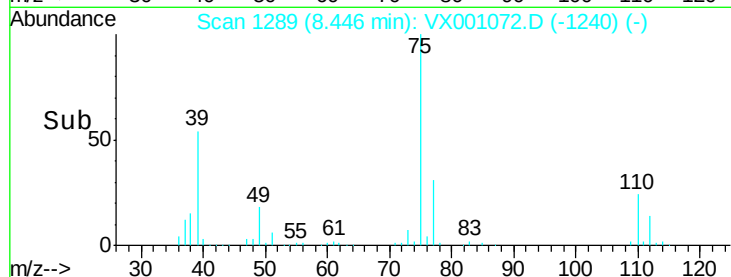
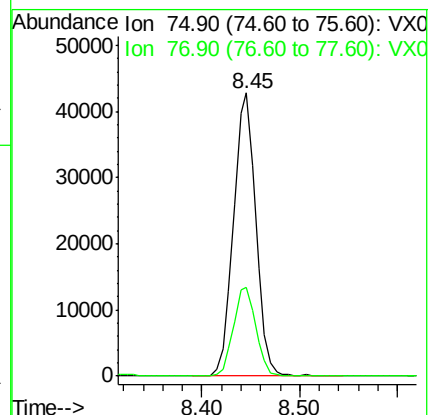
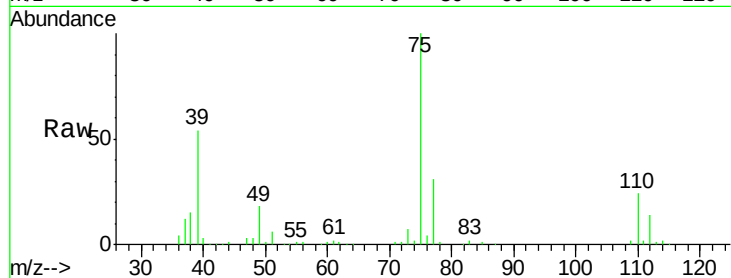
77 31.3 25.8 38.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.58 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

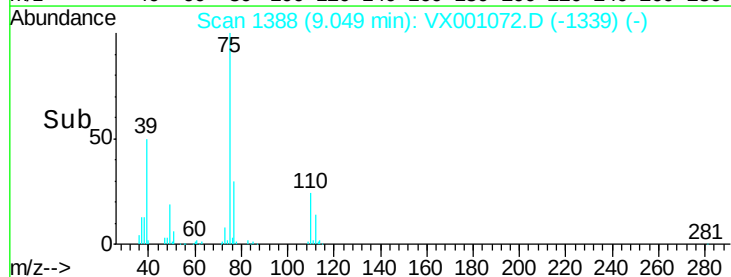
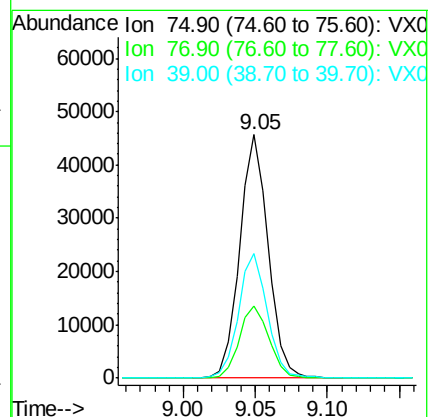
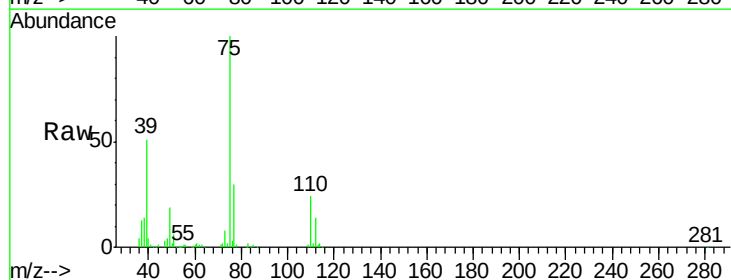
Tgt Ion: 75 Resp: 62740

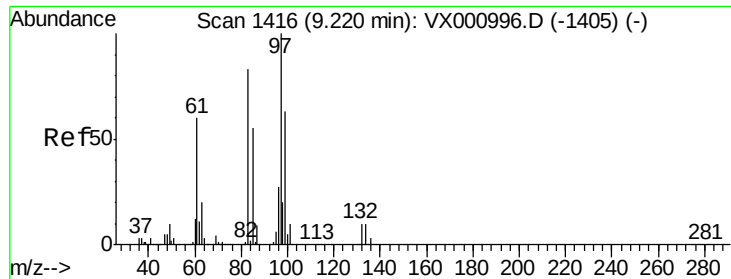
Ion Ratio Lower Upper

75 100

77 29.7 25.0 37.6

39 50.9 39.2 58.8





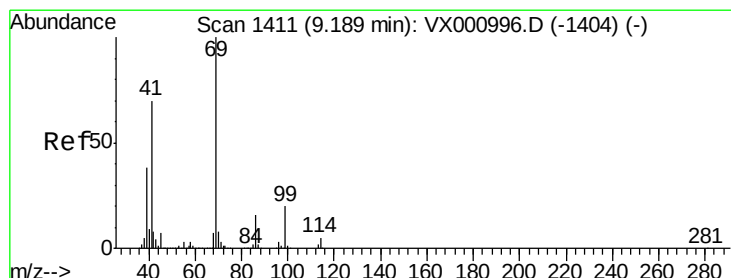
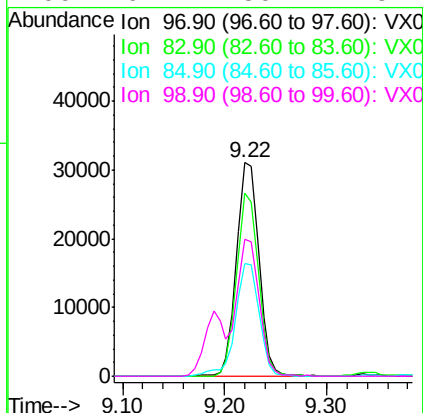
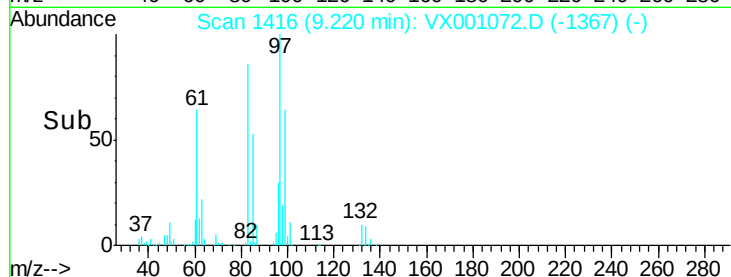
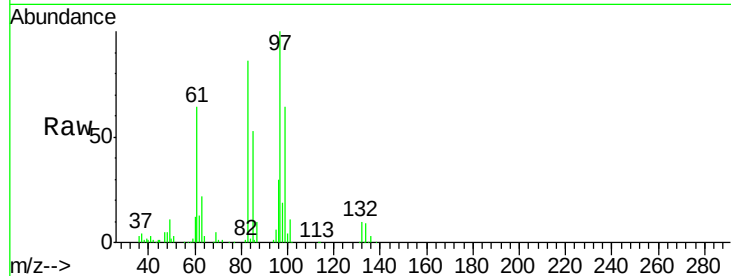
#55
 1,1,2-Trichloroethane
 Concen: 19.82 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Tot Ion:	97	Resp:	47284
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.2	99.4
85	52.9	44.2	66.4
99	64.2	50.2	75.4

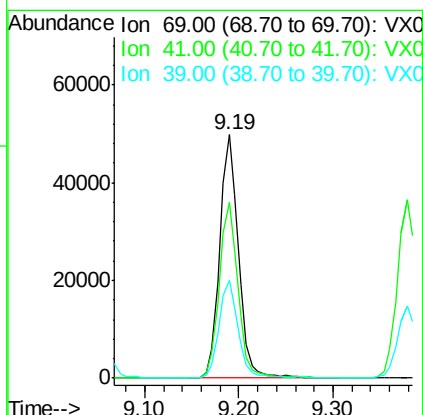
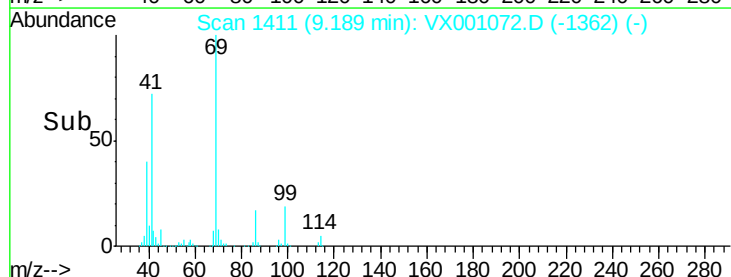
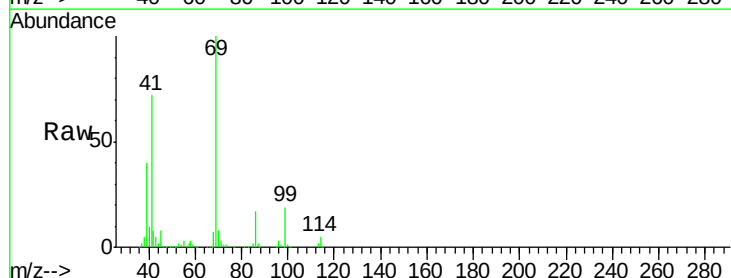
Manual Integrations
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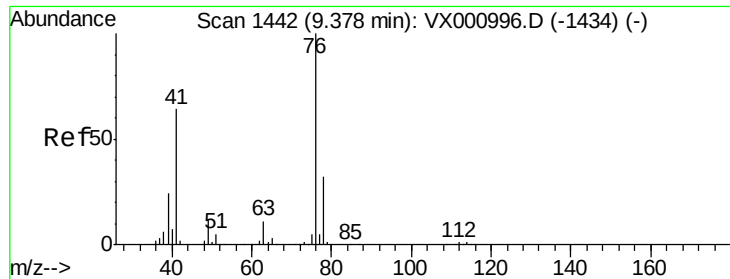
sam
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#56
 Ethyl methacrylate
 Concen: 19.72 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Tgt Ion:	69	Resp:	69120
Ion	Ratio	Lower	Upper
69	100		
41	71.8	56.3	84.5
39	39.9	30.4	45.6





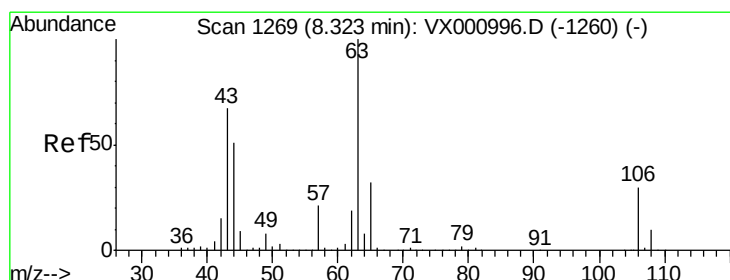
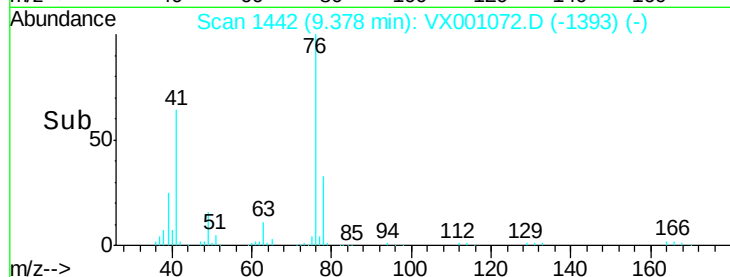
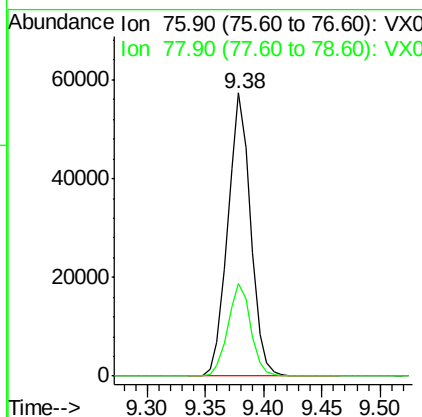
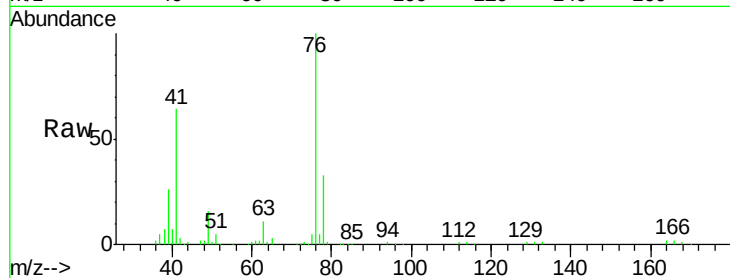
#57
 1,3-Dichloropropane
 Concen: 19.83 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Tot Ion: 76 Resp: 78390
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6

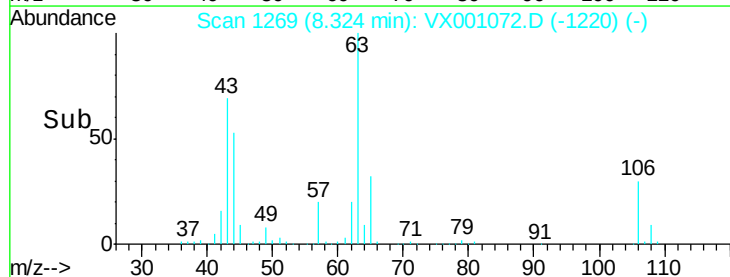
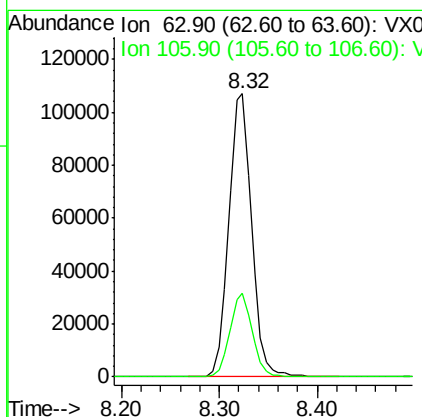
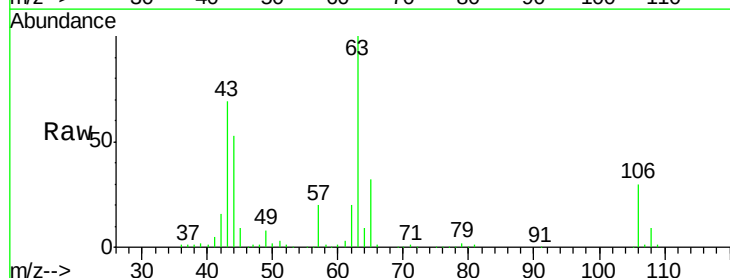
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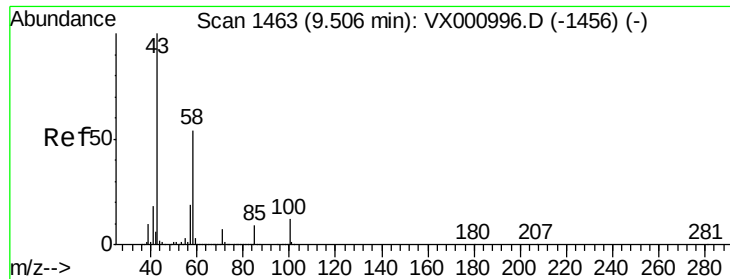
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.91 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Tgt Ion: 63 Resp: 172594
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.8 35.6





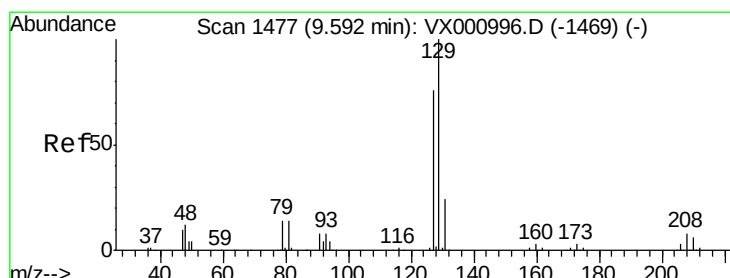
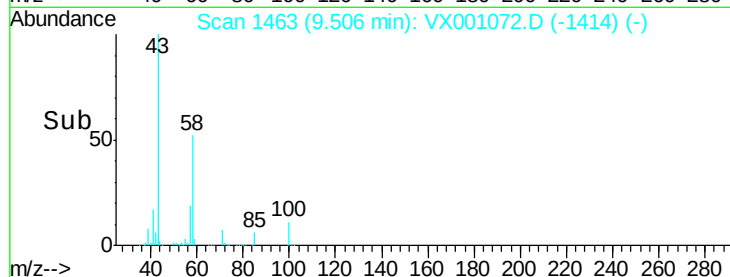
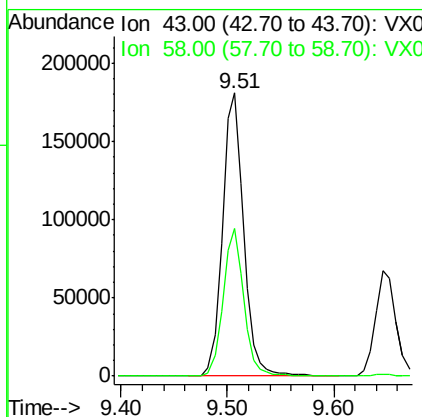
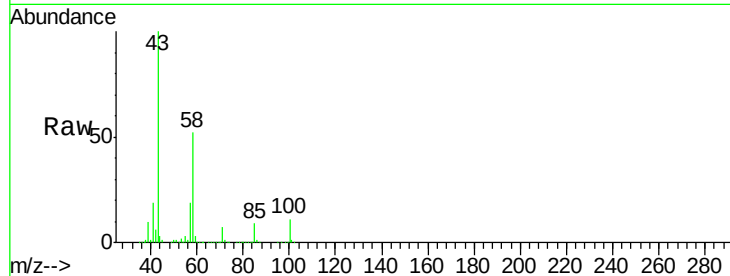
#59
2-Hexanone
Concen: 103.68 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	26.3	78.9

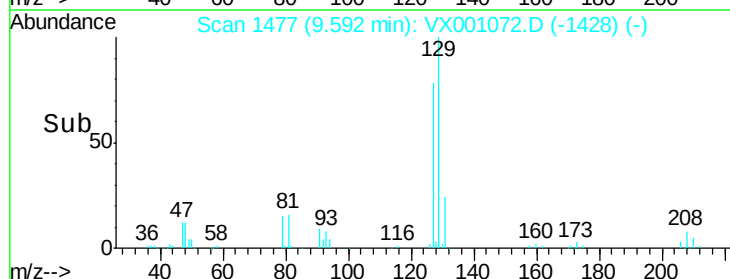
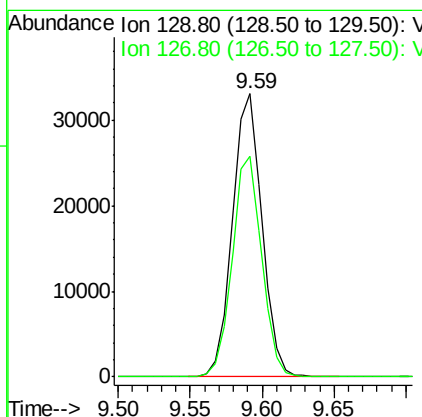
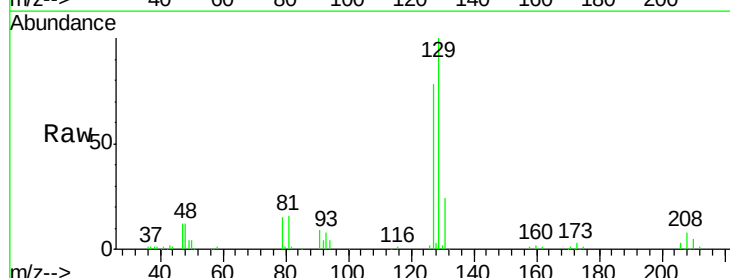
Manual Integrations
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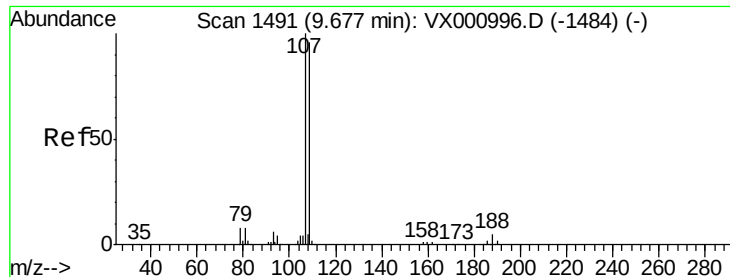
sam
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#60
Dibromochloromethane
Concen: 18.95 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.6	115.8





#61

1,2-Dibromoethane

Concen: 19.86 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion:107 Resp: 50007

Ion Ratio Lower Upper

107 100

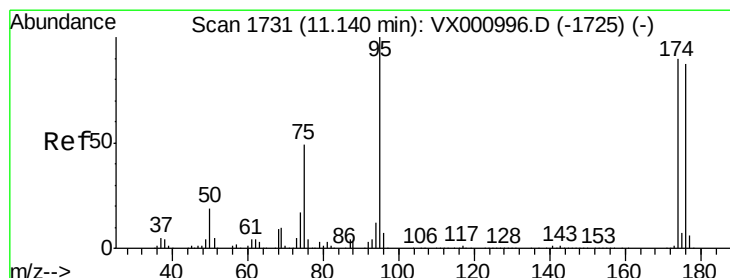
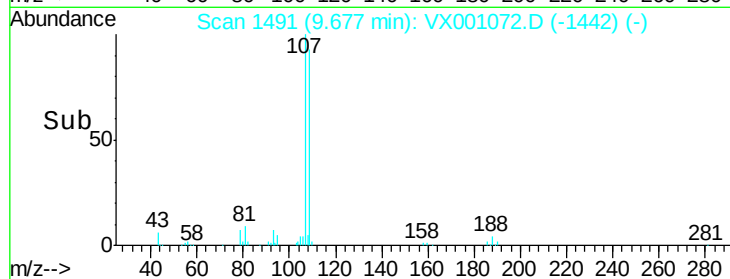
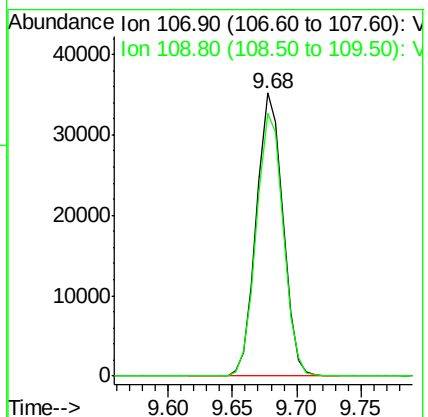
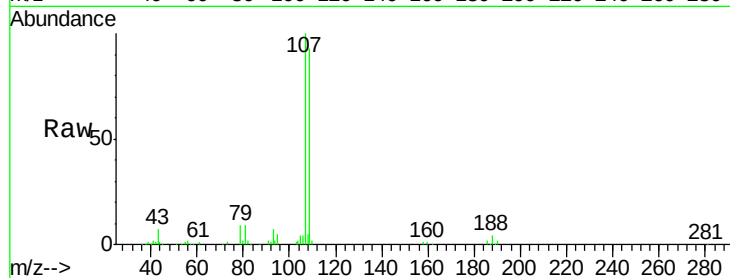
109 94.4 76.0 114.0

Manual Integrations

APPROVED

sam

4/24/2018 6:07:52 PM



#62

4-Bromofluorobenzene

Concen: 47.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

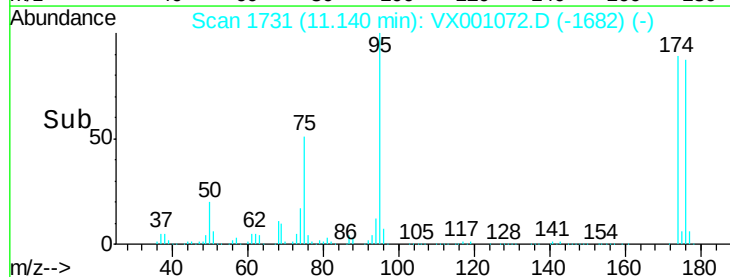
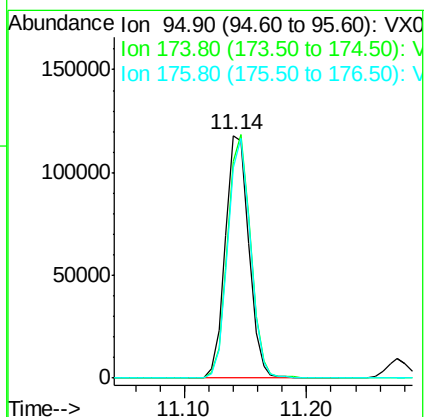
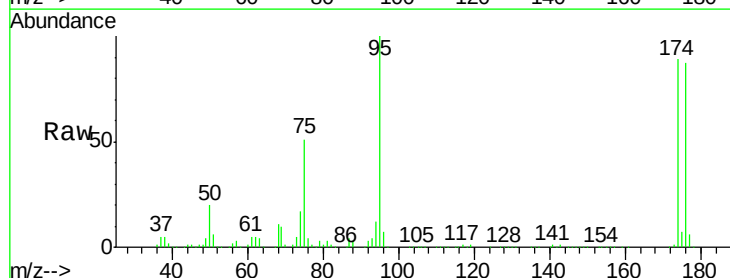
Tgt Ion: 95 Resp: 156730

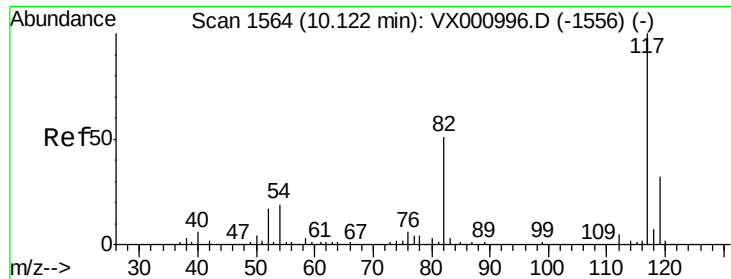
Ion Ratio Lower Upper

95 100

174 97.6 0.0 198.4

176 94.9 0.0 192.0





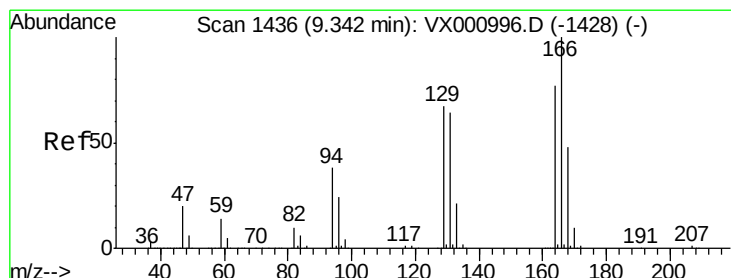
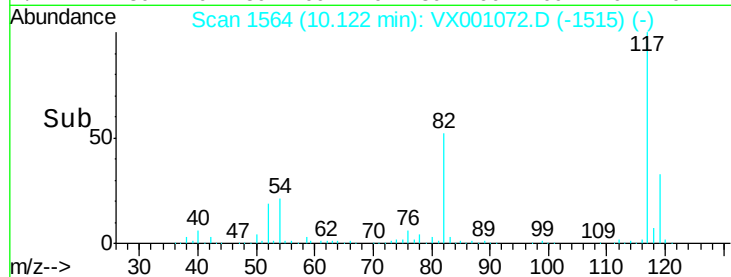
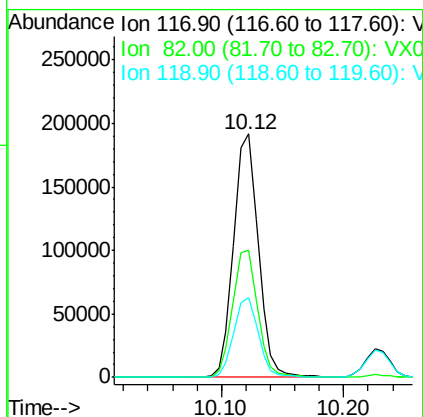
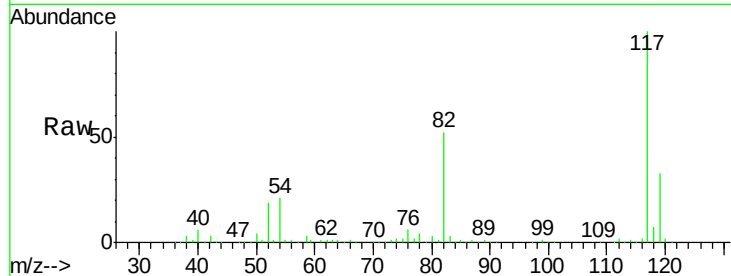
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampled :
VX0423WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	40.6	60.8
119	32.5	26.0	39.0

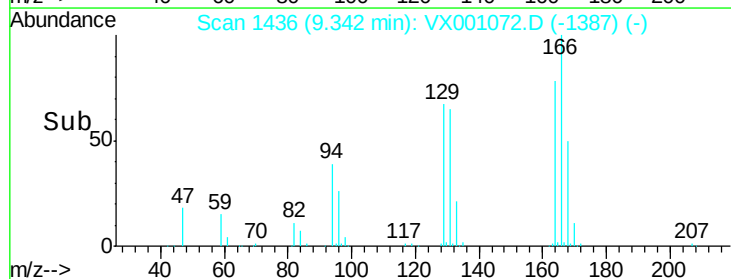
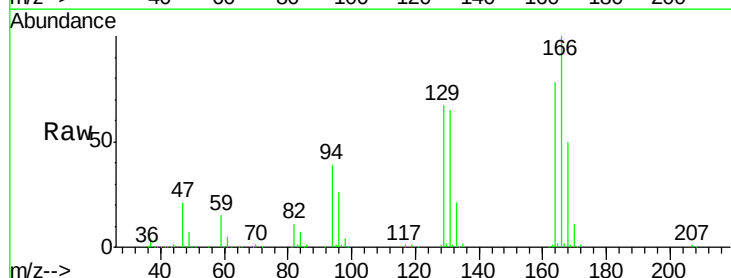
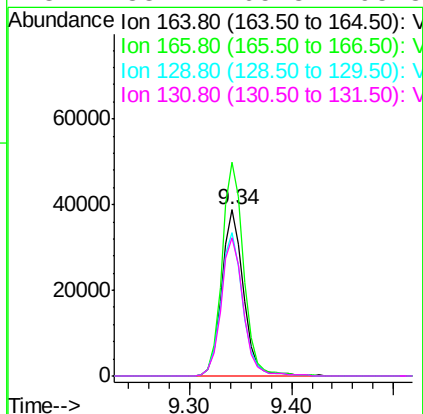
Manual Integrations
APPROVED

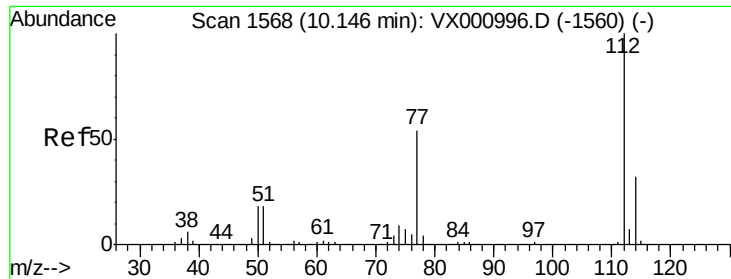
sam
4/24/2018 6:07:52 PM



#64
Tetrachloroethene
Concen: 20.11 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.5	155.3
129	86.6	69.6	104.4
131	83.2	65.8	98.8





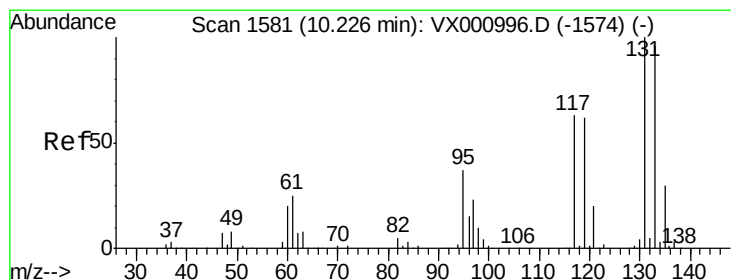
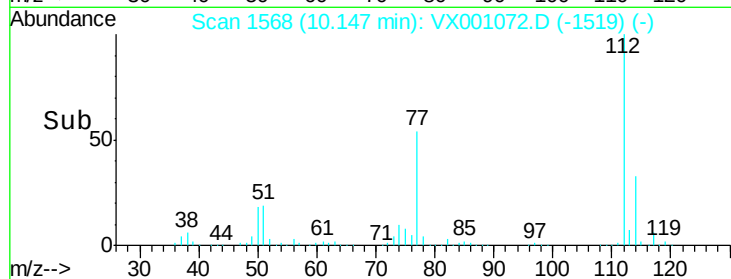
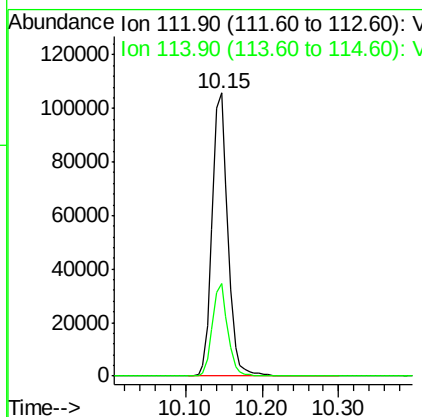
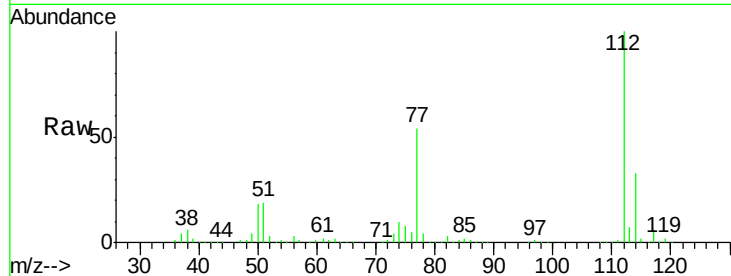
#65
Chlorobenzene
Concen: 21.05 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Tot Ion:112 Resp: 150496
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3

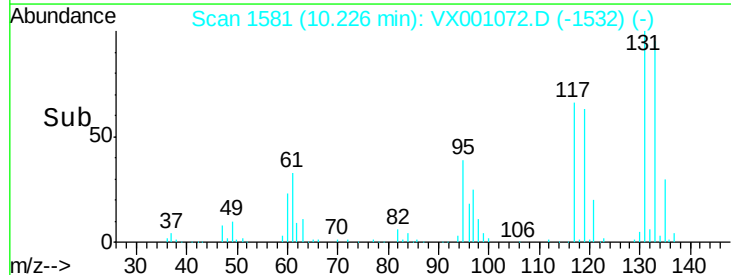
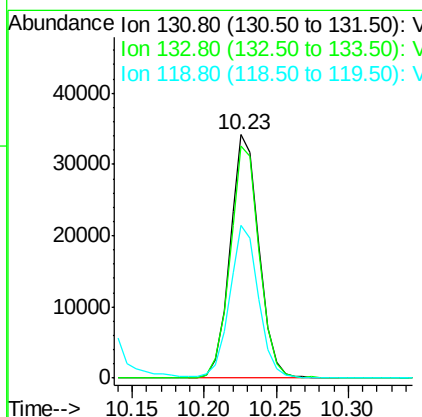
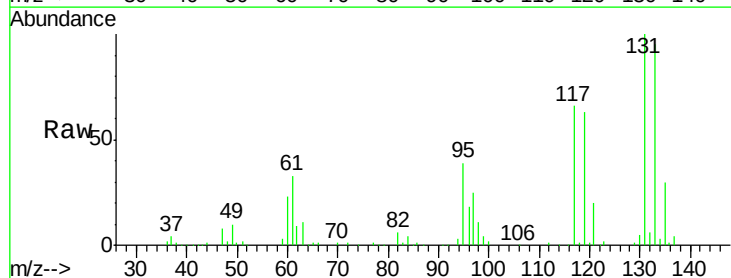
Manual Integrations
APPROVED

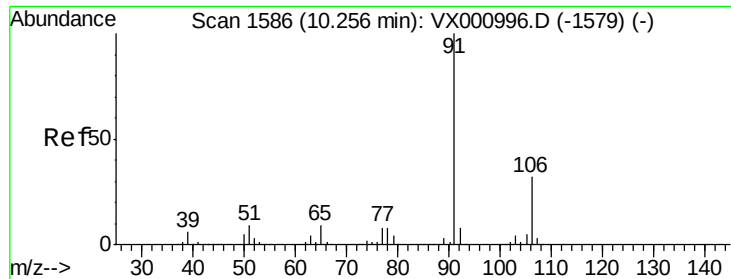
sam
4/24/2018 6:07:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.52 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion:131 Resp: 47919
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.8
119 62.5 31.1 93.2





#67

Ethyl Benzene

Concen: 19.14 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 91 Resp: 227280

Ion Ratio Lower Upper

91 100

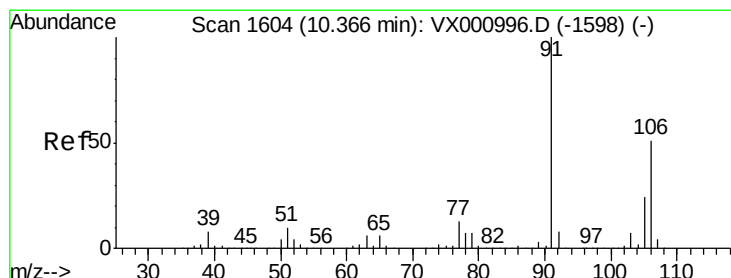
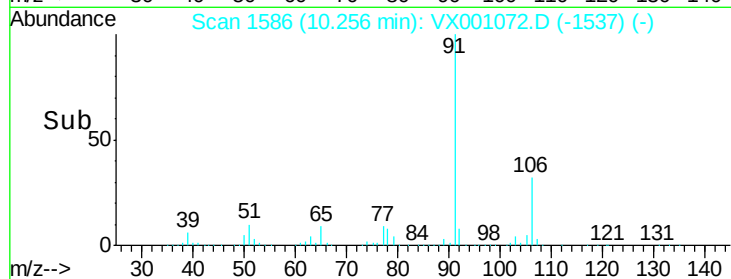
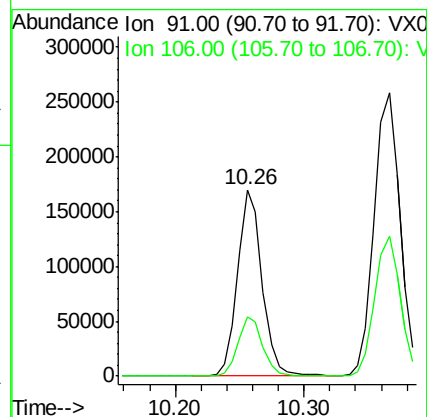
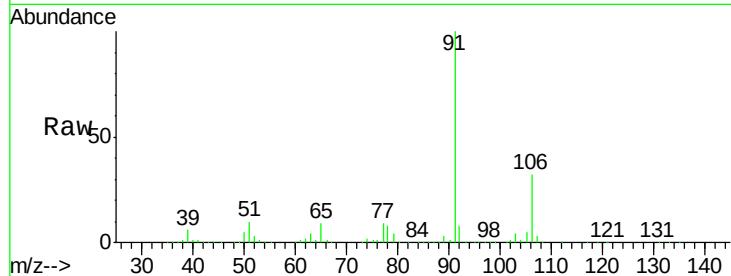
106 32.1 25.7 38.5

Manual Integrations

APPROVED

sam

4/24/2018 6:07:52 PM



#68

m/p-Xylenes

Concen: 37.95 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001072.D

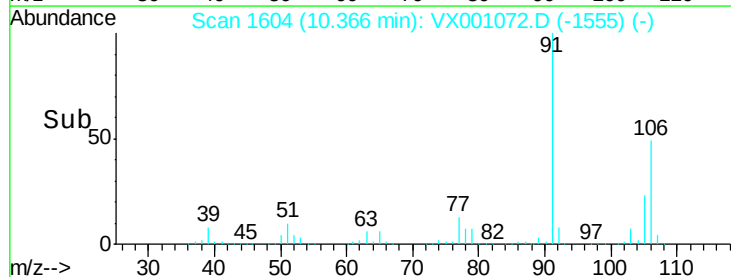
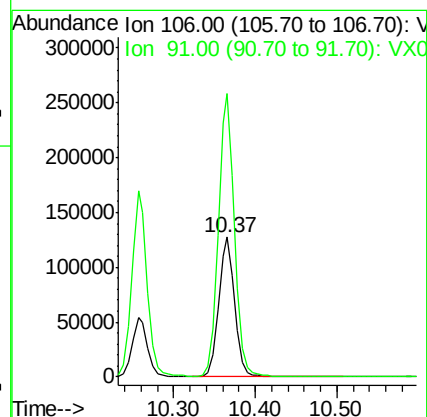
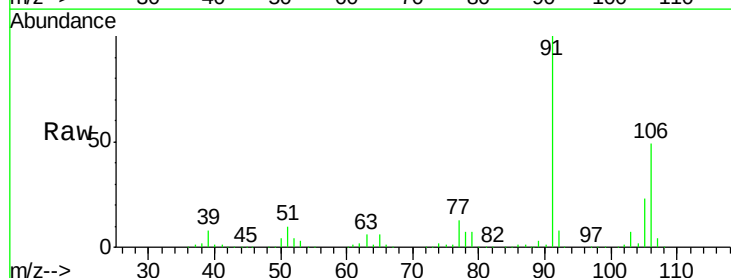
Acq: 23 Apr 2018 21:00

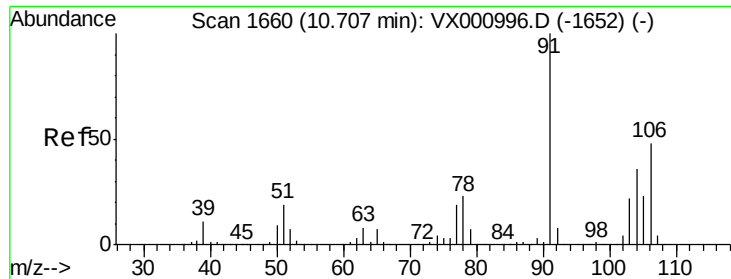
Tgt Ion: 106 Resp: 177606

Ion Ratio Lower Upper

106 100

91 202.5 159.3 238.9





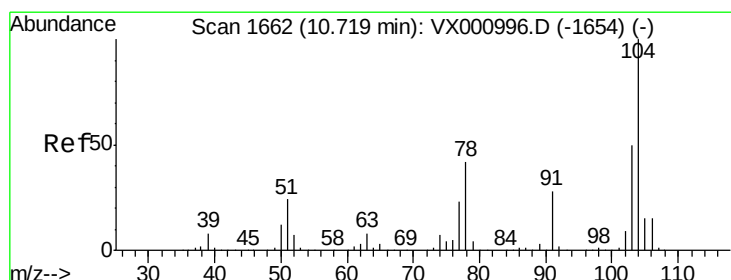
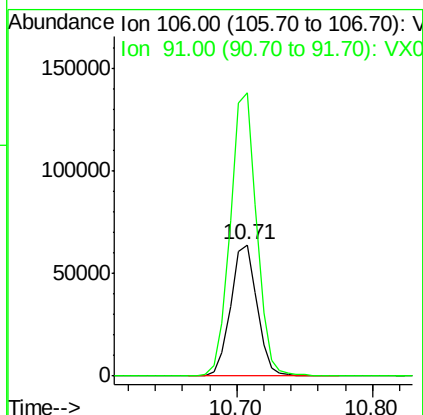
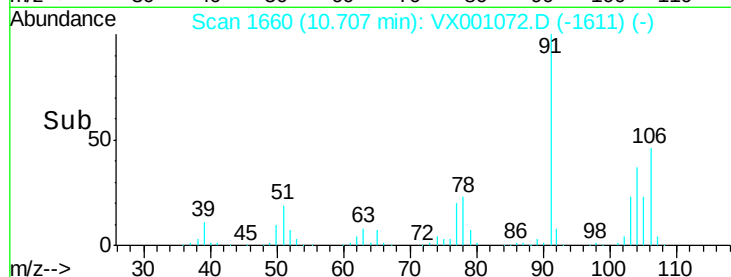
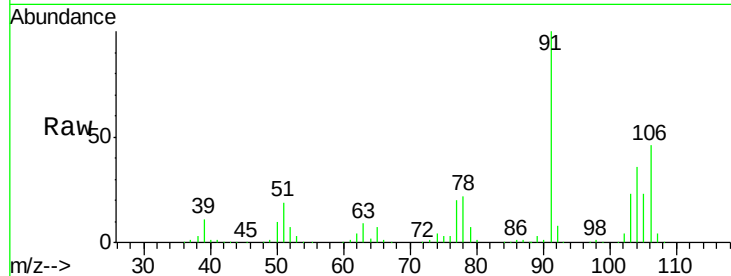
#69
o-Xylene
Concen: 19.20 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Tot Ion:106 Resp: 86645
Ion Ratio Lower Upper
106 100
91 214.5 105.1 315.1

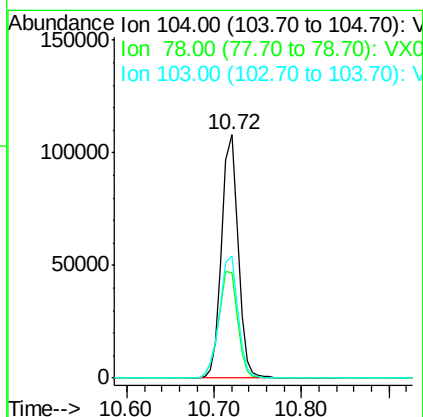
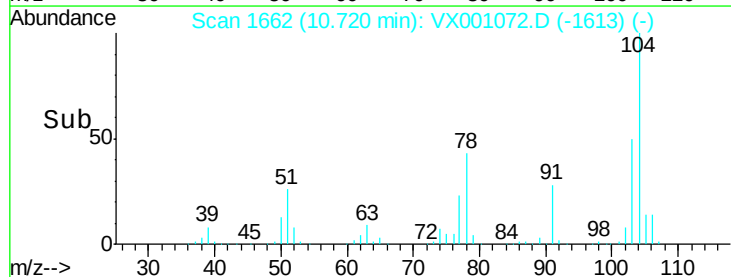
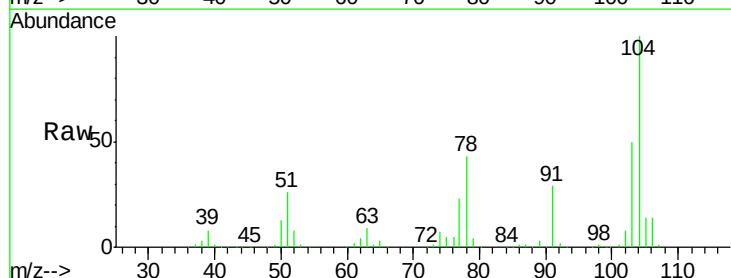
Manual Integrations
APPROVED

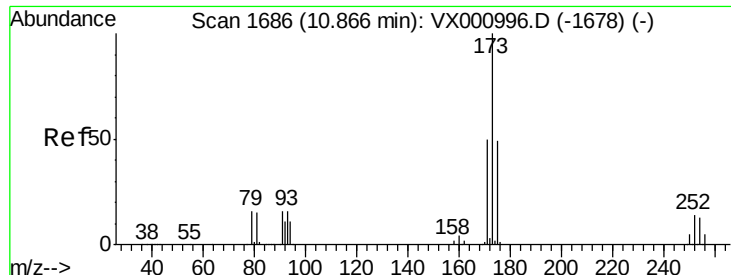
sam
4/24/2018 6:07:52 PM



#70
Styrene
Concen: 19.02 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion:104 Resp: 141333
Ion Ratio Lower Upper
104 100
78 50.5 39.4 59.2
103 56.0 44.2 66.2





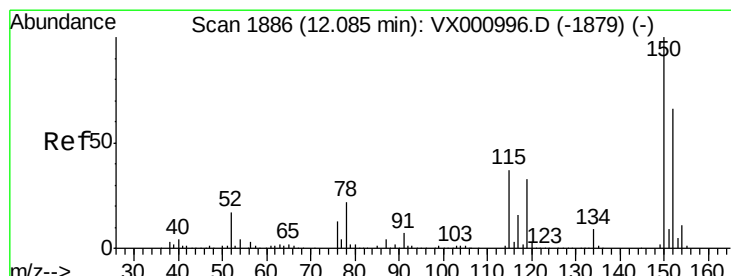
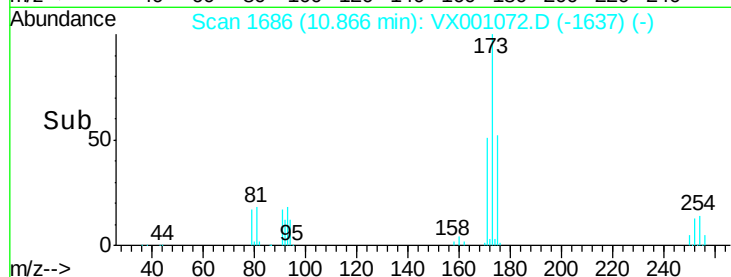
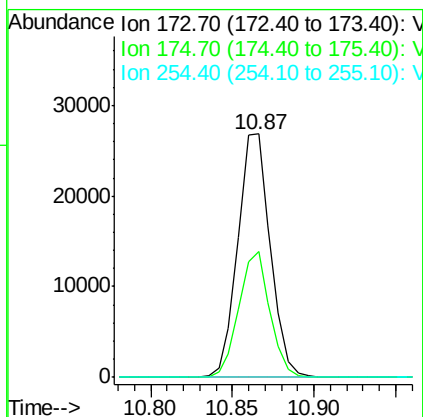
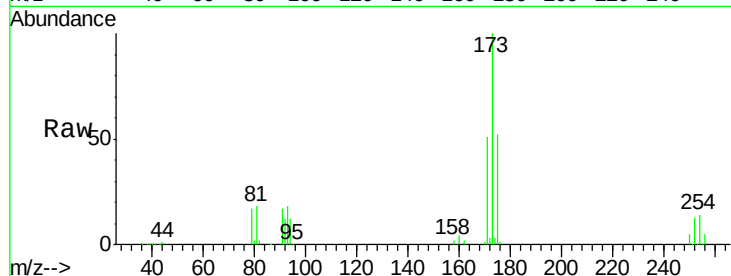
#71
Bromoform
Concen: 18.15 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampled :
VX0423WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.2	0.2	0.2

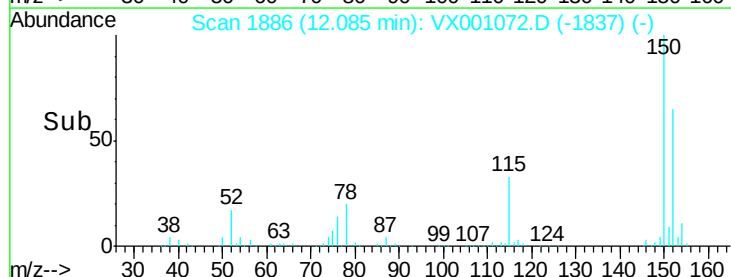
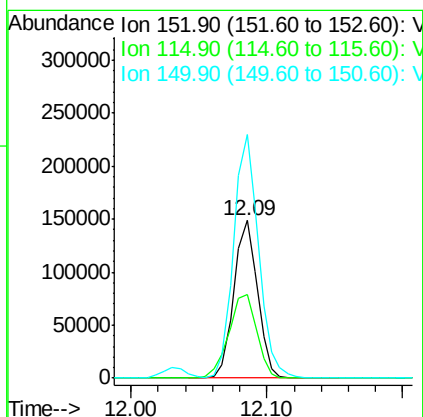
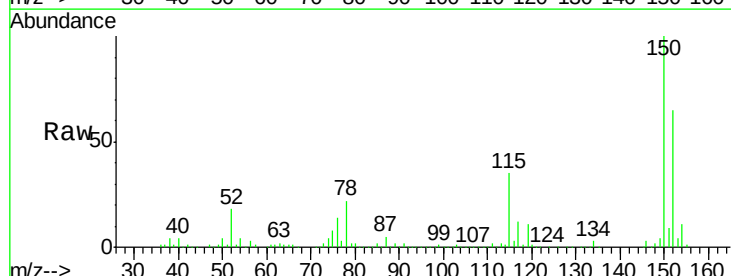
Manual Integrations
APPROVED

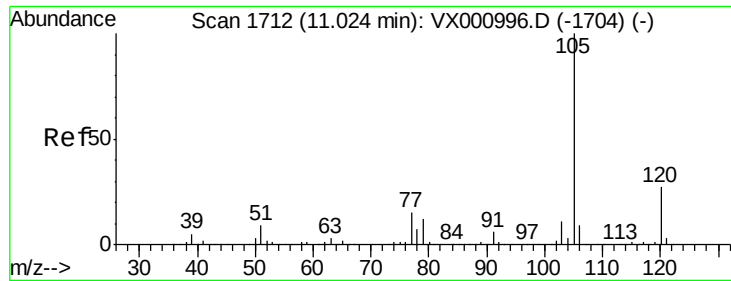
sam
4/24/2018 6:07:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	38.2	114.6
150	163.1	0.0	350.4





#73

Isopropylbenzene

Concen: 19.96 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 105 Resp: 235190

Ion Ratio Lower Upper

105 100

120 27.0

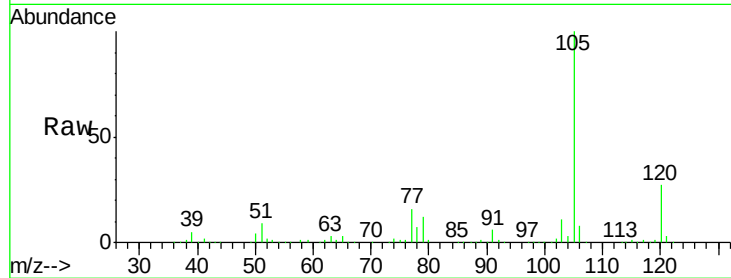
13.4 40.2

Manual Integrations

APPROVED

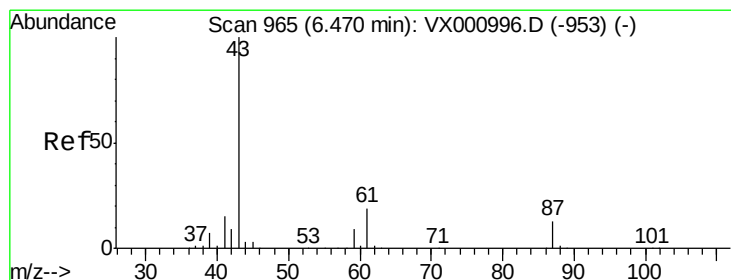
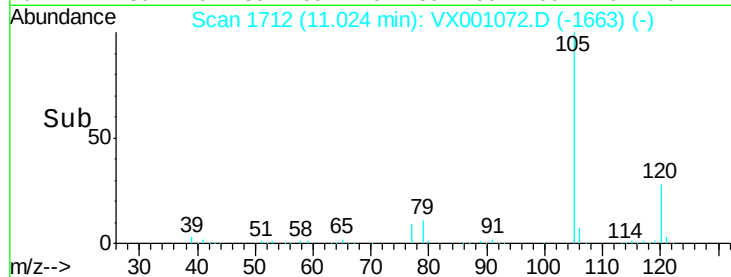
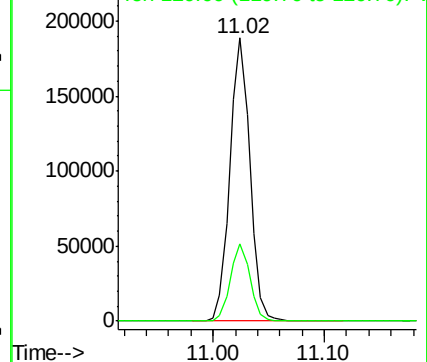
sam

4/24/2018 6:07:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.41 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Tgt Ion: 43 Resp: 102866

Ion Ratio Lower Upper

43 100

70 0.0

0.0 0.0

55 0.0

0.1 0.1#

61 19.0

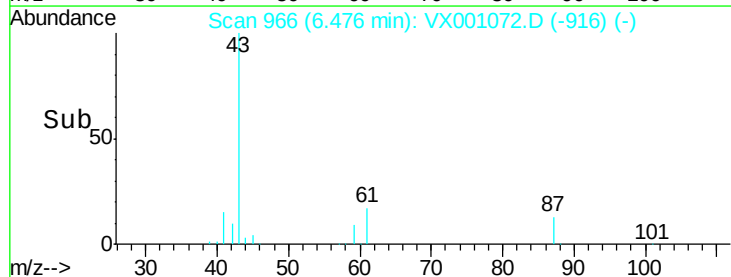
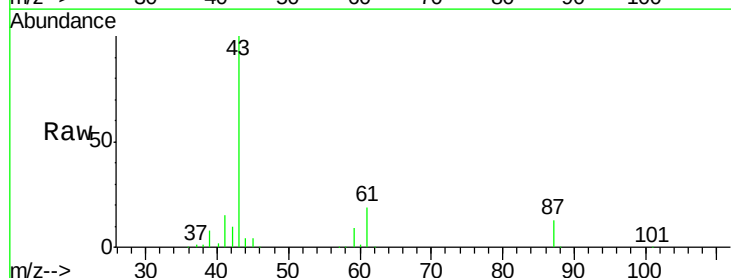
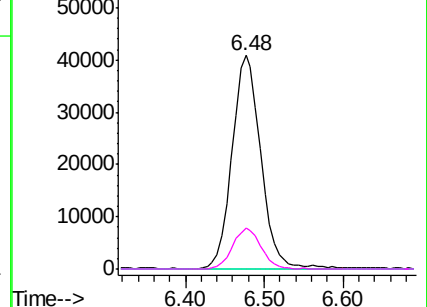
15.4 23.2

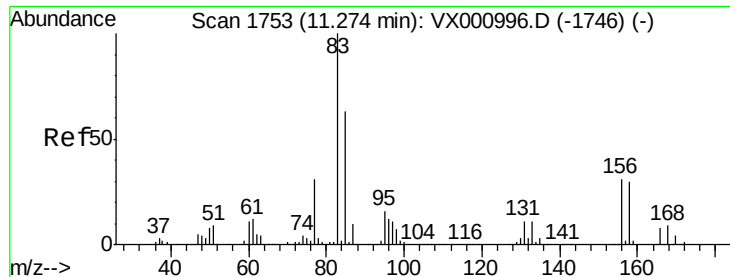
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.04 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampled :

VX0423WBSD01

Tot Ion: 83 Resp: 70172

Ion Ratio Lower Upper

83 100

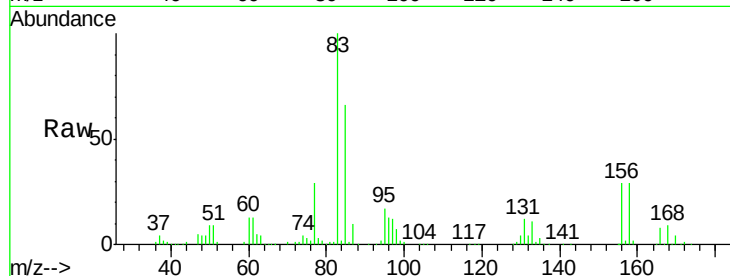
131 11.7 5.8 17.4

85 64.1 32.0 96.2

Manual Integrations
APPROVED

sam

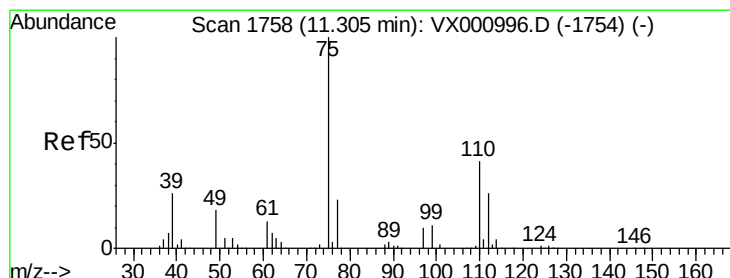
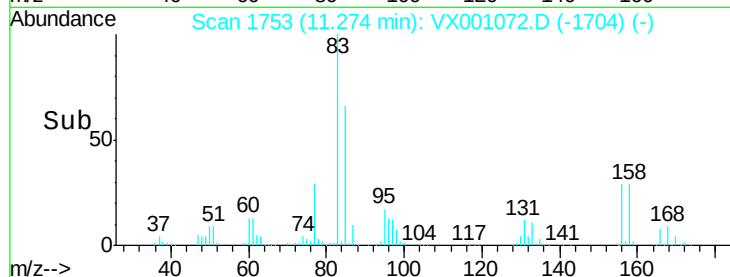
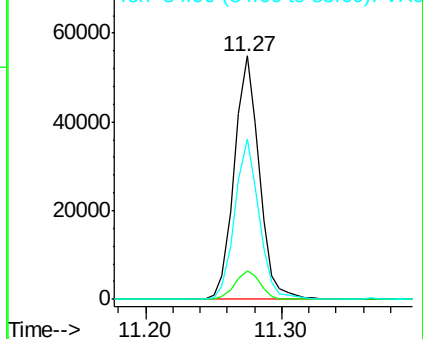
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.78 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001072.D

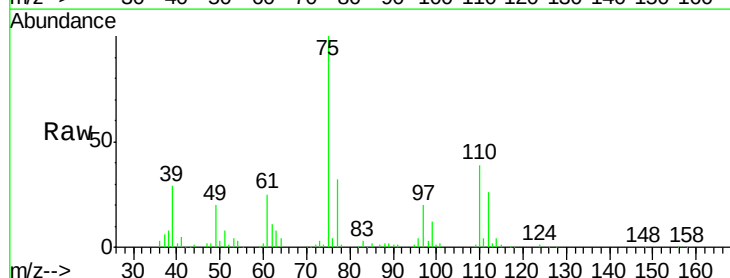
Acq: 23 Apr 2018 21:00

Tgt Ion: 75 Resp: 64970

Ion Ratio Lower Upper

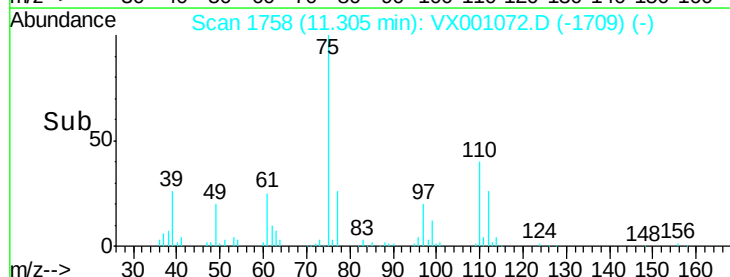
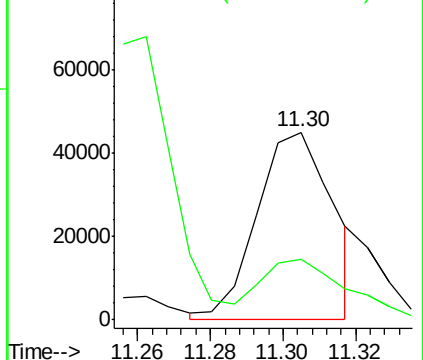
75 100

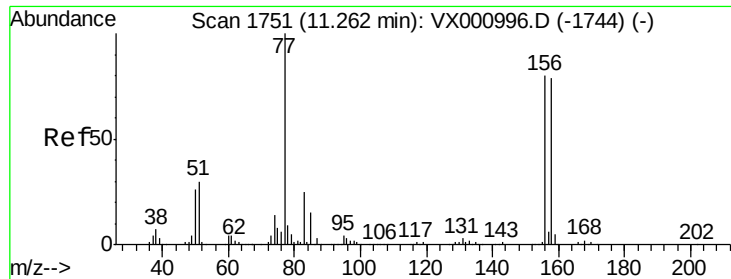
77 36.8 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





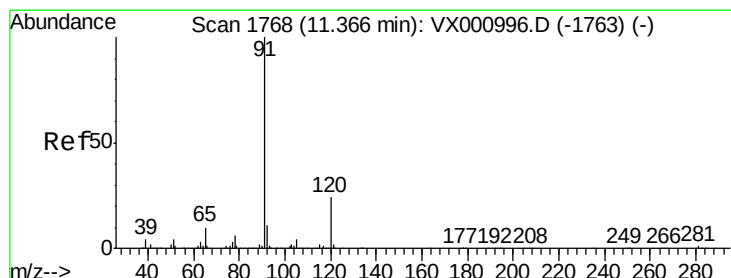
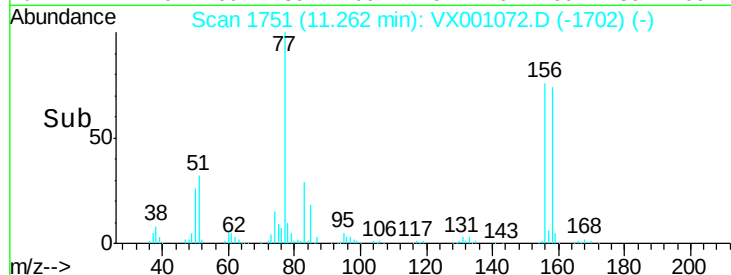
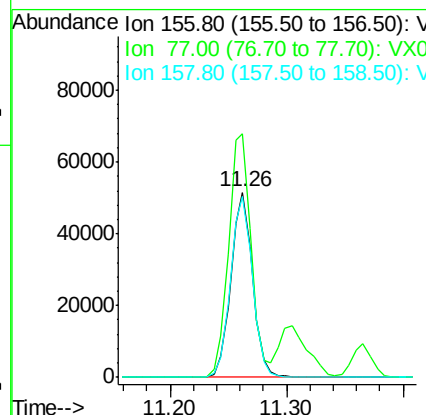
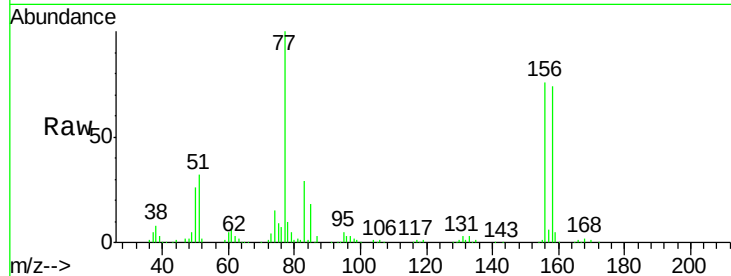
#77
Bromobenzene
Concen: 19.35 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	137.3	66.3	199.0	
158	99.4	48.9	146.6	

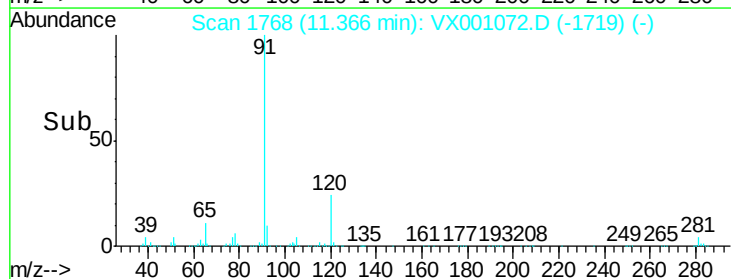
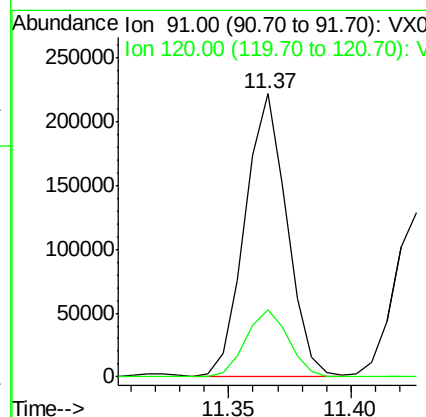
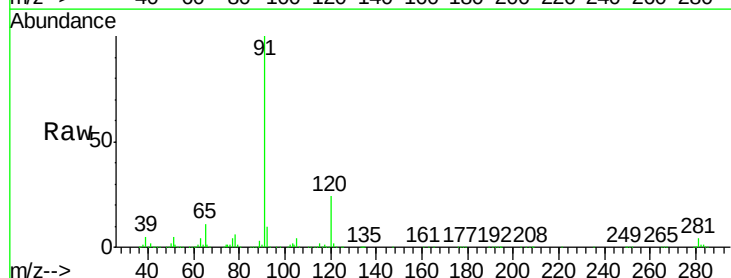
Manual Integrations
APPROVED

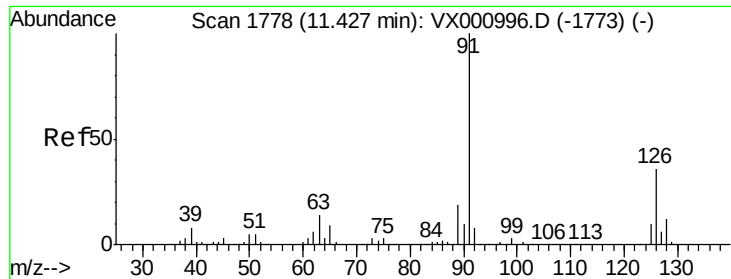
sam
4/24/2018 6:07:52 PM



#78
n-propylbenzene
Concen: 19.48 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX001072.D
Acq: 23 Apr 2018 21:00

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.4	12.4	37.0	





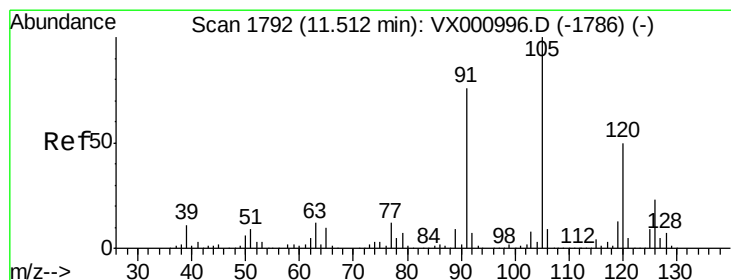
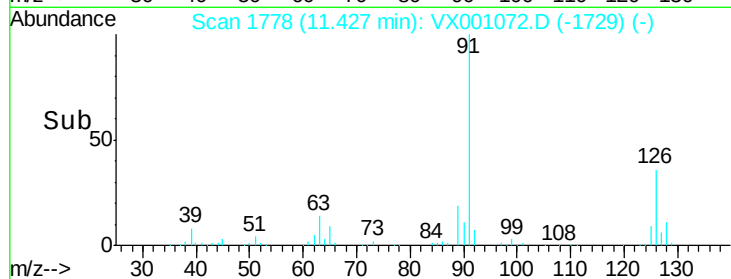
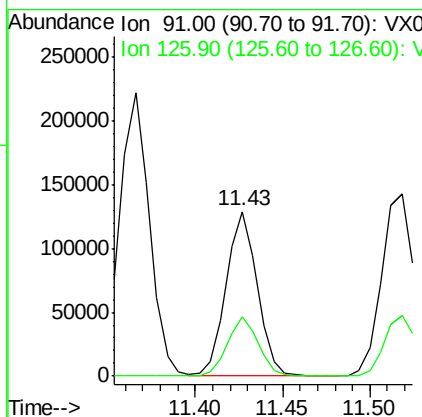
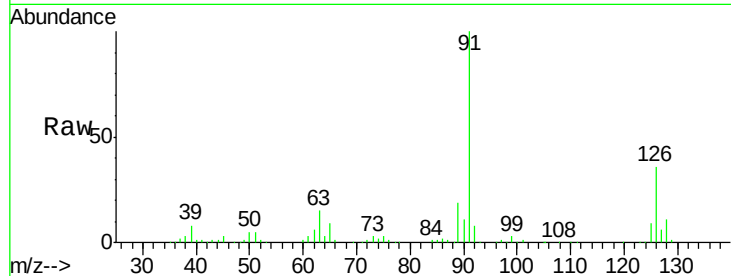
#79
 2-Chlorotoluene
 Concen: 19.83 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Tot Ion: 91 Resp: 158495
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.3 54.9

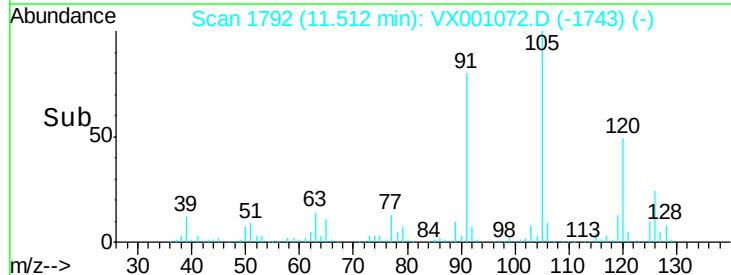
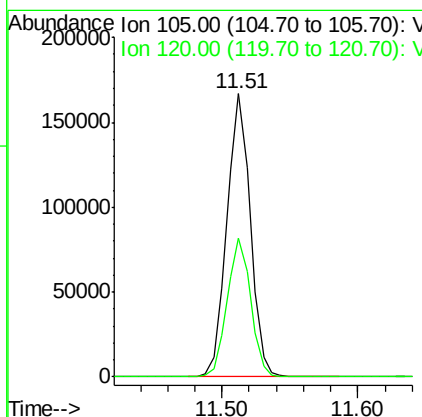
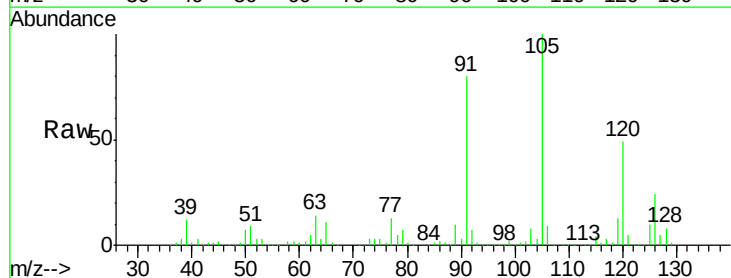
Manual Integrations
 APPROVED

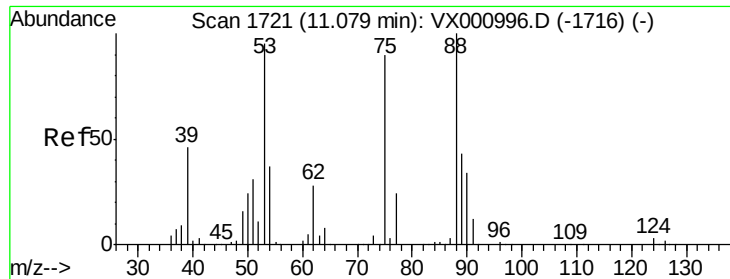
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.90 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Tgt Ion: 105 Resp: 198760
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.92 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion: 75 Resp: 14900

Ion Ratio Lower Upper

75 100

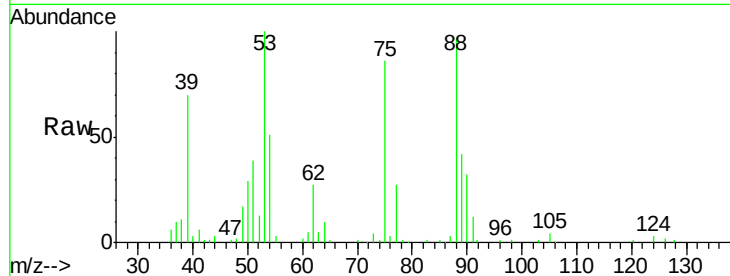
53 117.8 83.4 125.2

89 48.1 39.7 59.5

Manual Integrations
APPROVED

sam

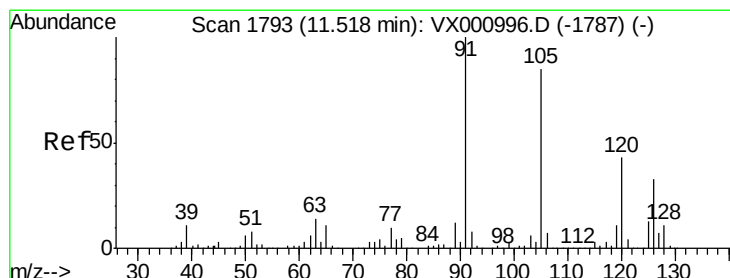
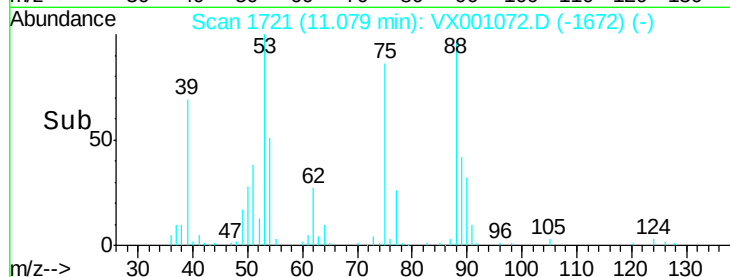
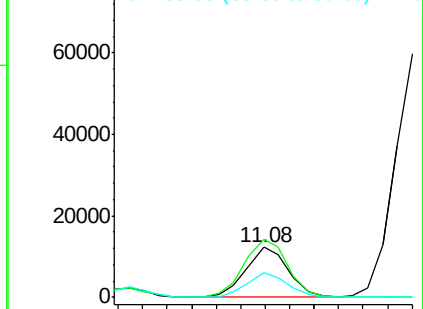
4/24/2018 6:07:52 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.23 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001072.D

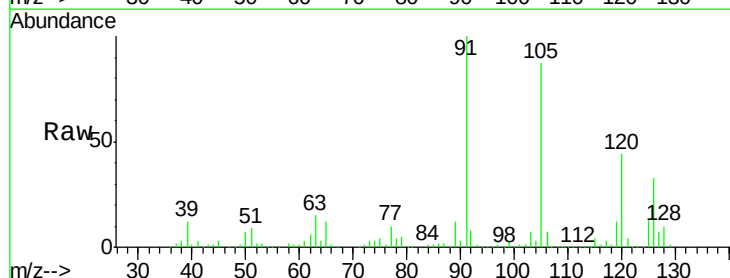
Acq: 23 Apr 2018 21:00

Tgt Ion: 91 Resp: 185744

Ion Ratio Lower Upper

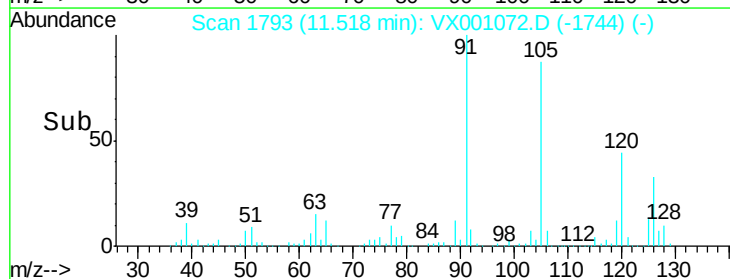
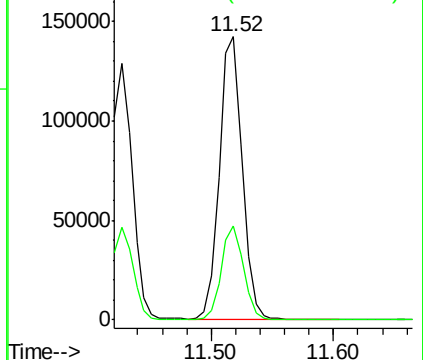
91 100

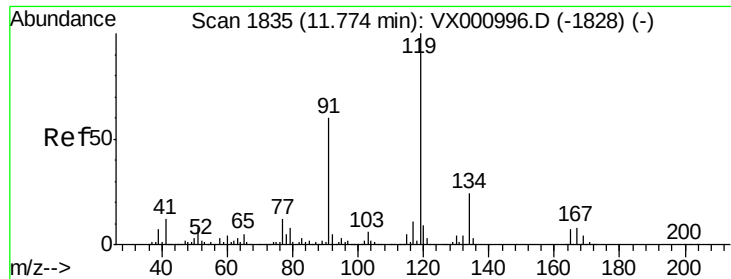
126 32.2 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





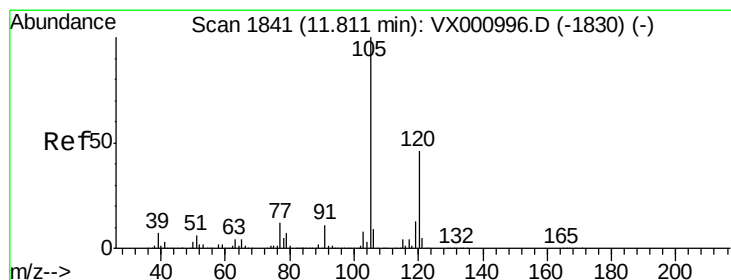
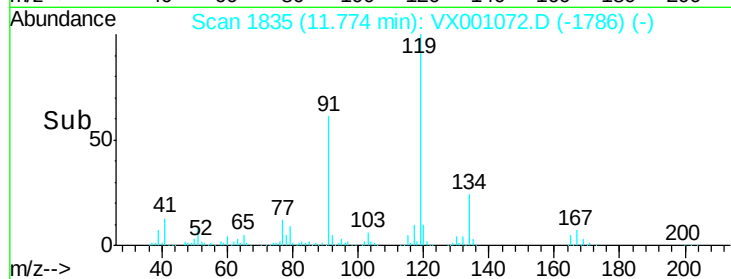
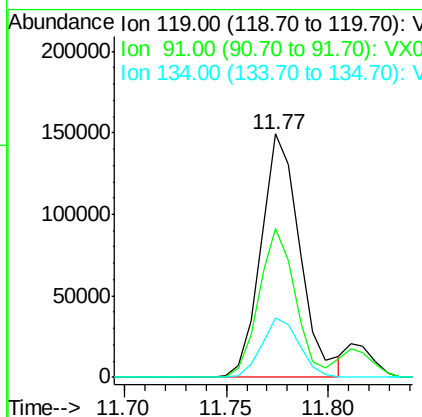
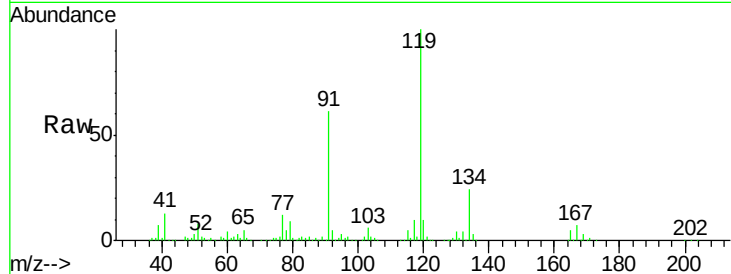
#83
 tert-Butylbenzene
 Concen: 19.71 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	198561		
91	57.5		27.0	81.0
134	23.7		11.6	34.7

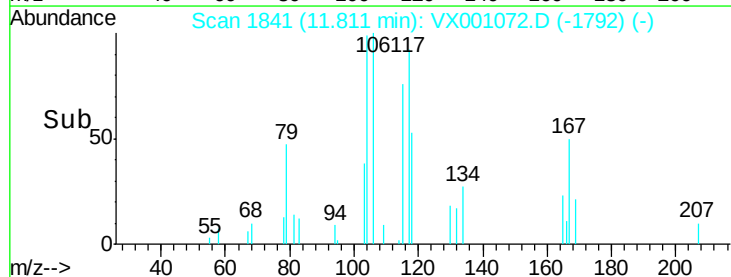
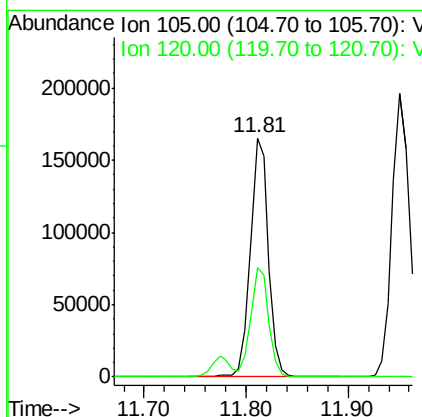
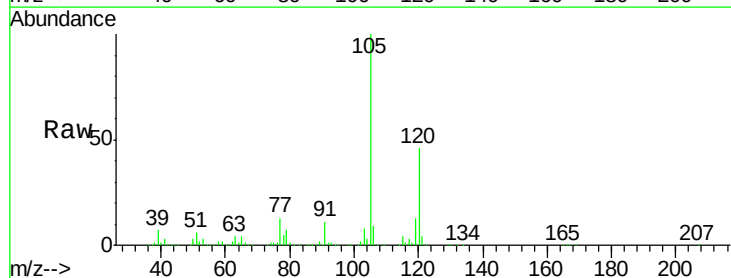
Manual Integrations
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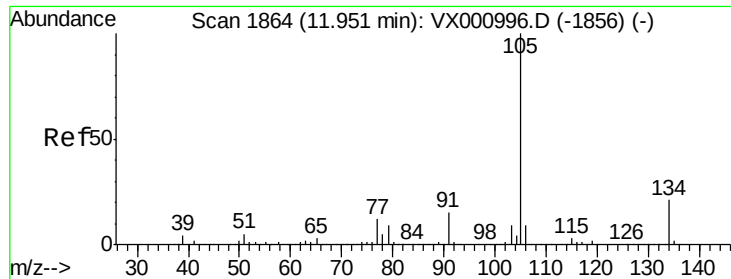
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.89 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204498		
120	45.4		23.0	69.0





#85

sec-Butylbenzene

Concen: 19.73 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

ClientSampleId :

VX0423WBSD01

Tot Ion:105 Resp: 237286

Ion Ratio Lower Upper

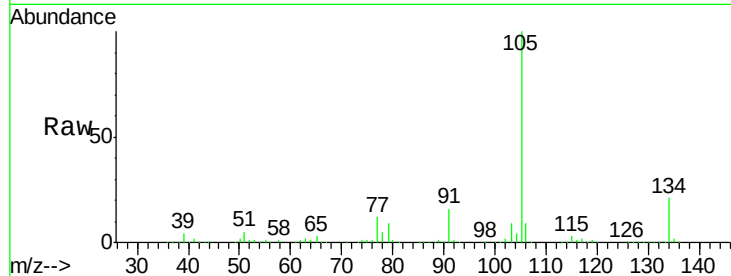
105 100

134 21.1 10.5 31.6

Manual Integrations
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sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

200000

150000

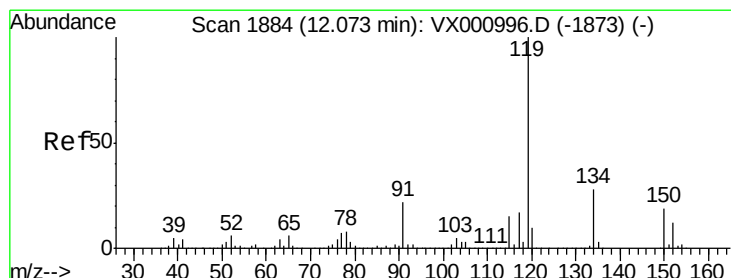
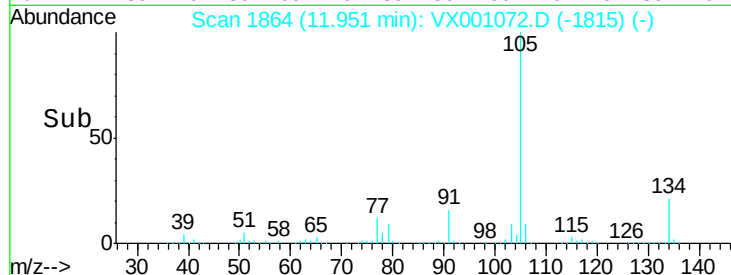
100000

50000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 19.28 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

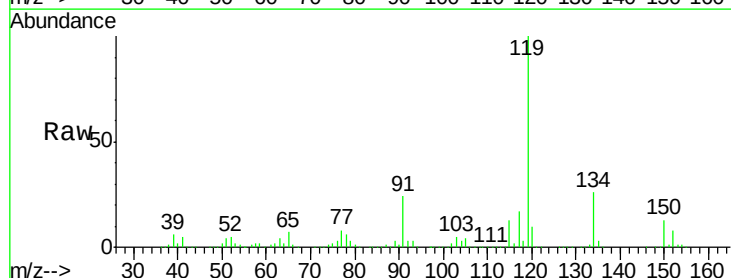
Tgt Ion:119 Resp: 214543

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 23.6 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

200000

150000

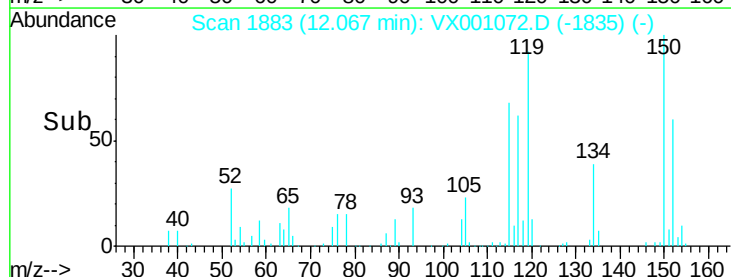
100000

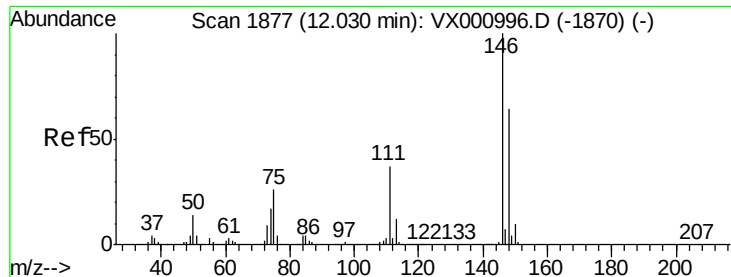
50000

0

12.00 12.10

Time-->





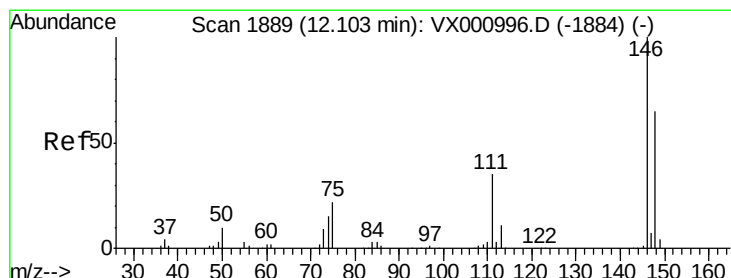
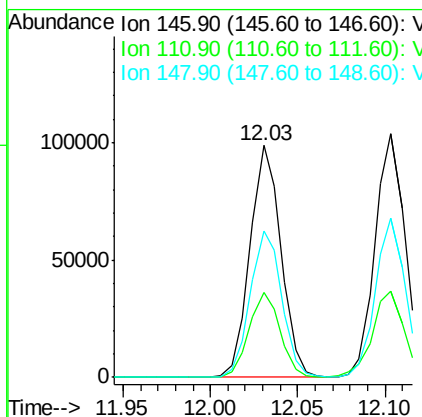
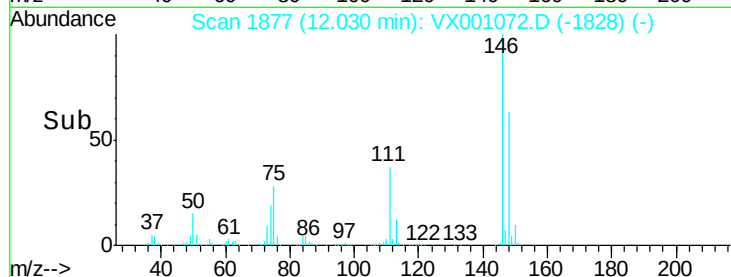
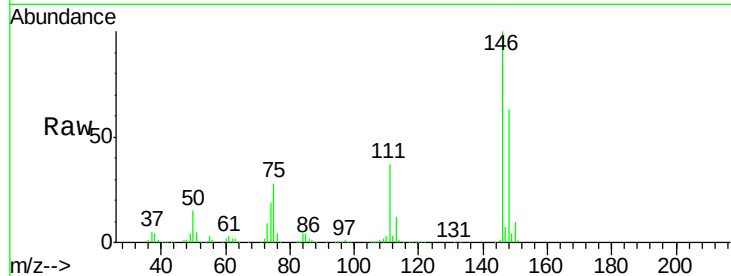
#87
 1,3-Dichlorobenzene
 Concen: 19.06 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.3	54.8
148	64.1	32.2	96.6

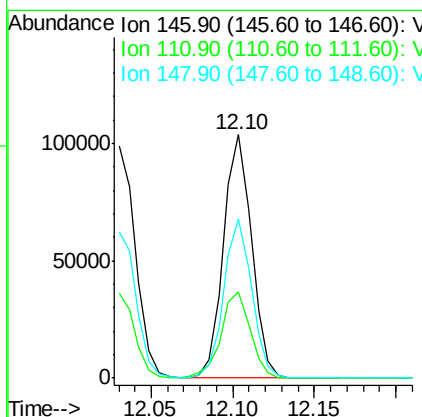
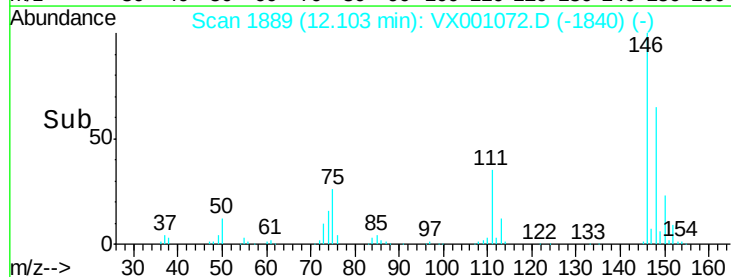
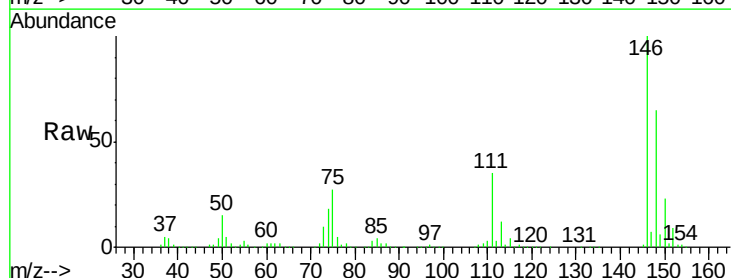
Manual Integrations
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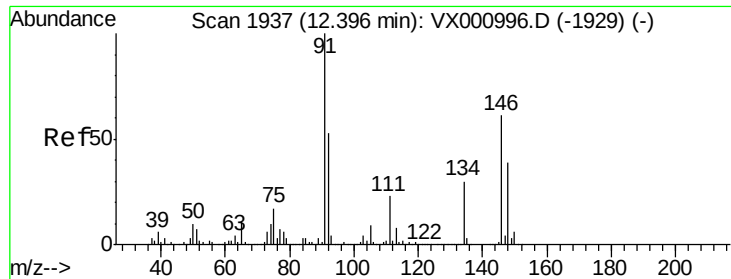
sam
 4/24/2018 6:07:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.00 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.0	54.0
148	64.8	32.4	97.0





#89

n-Butylbenzene

Concen: 18.19 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

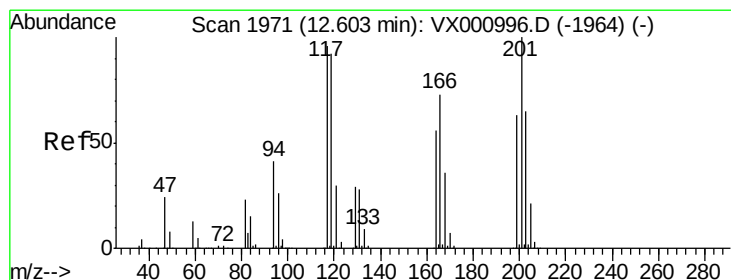
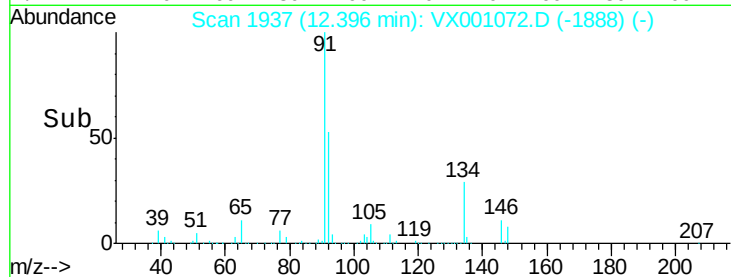
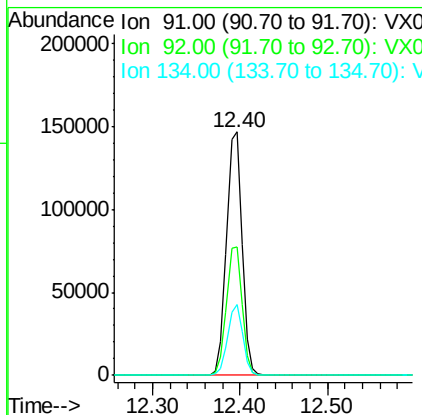
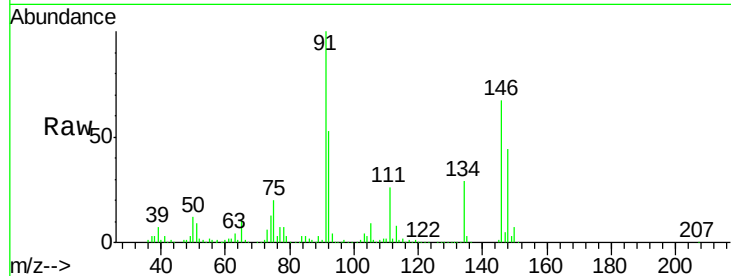
ClientSampleId :

VX0423WBSD01

Tot Ion:	91	Resp:	180073
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.9
134	28.0	14.4	43.0

Manual Integrations
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sam
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#90

Hexachloroethane

Concen: 18.98 ug/l

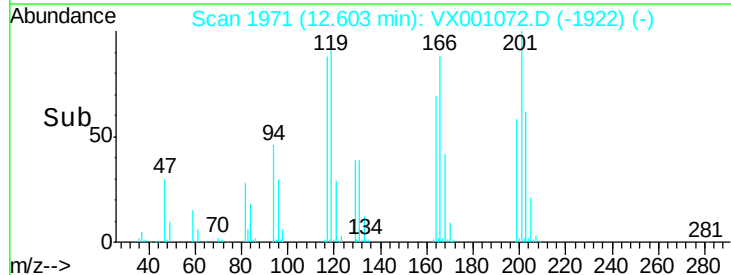
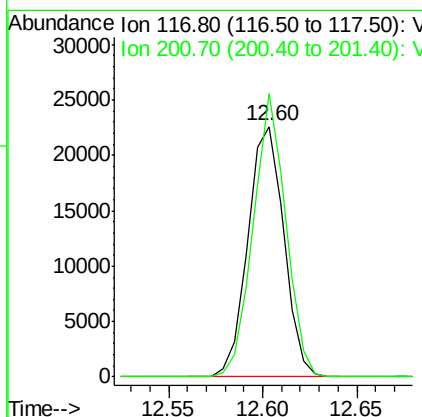
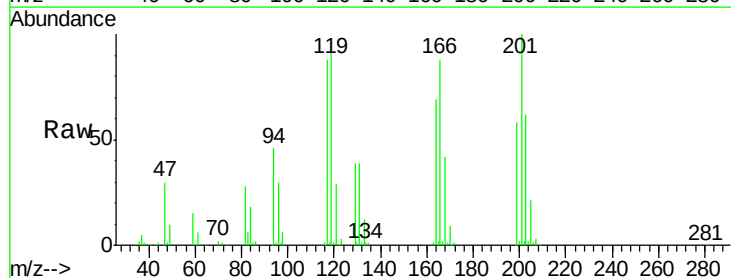
RT: 12.60 min Scan# 1971

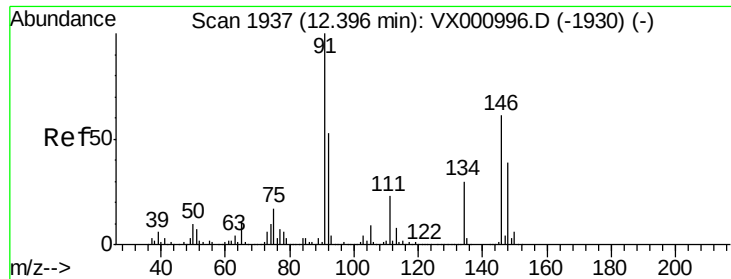
Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Tgt Ion:	117	Resp:	29920
Ion	Ratio	Lower	Upper
117	100		
201	102.0	52.3	157.1





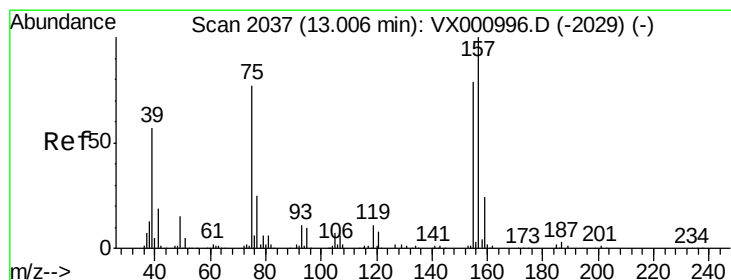
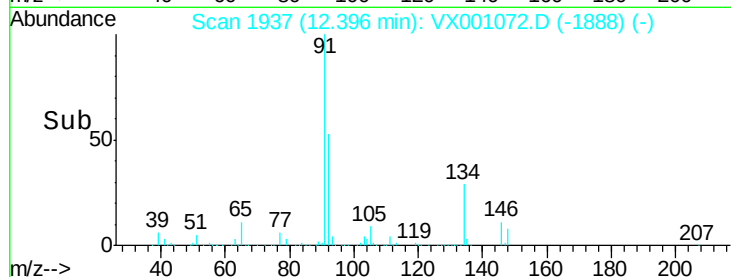
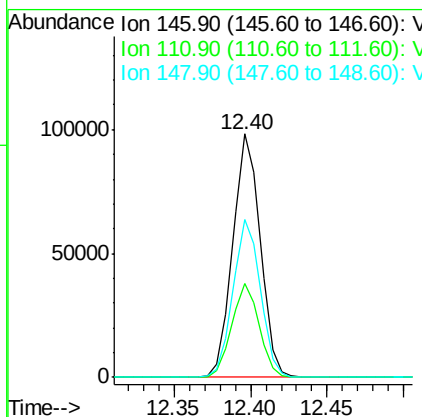
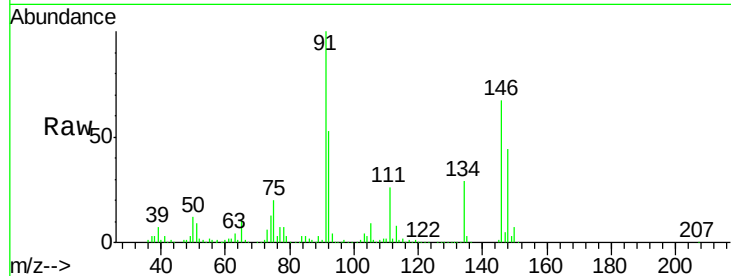
#91
 1,2-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	56.0
148	64.6	32.3	96.8

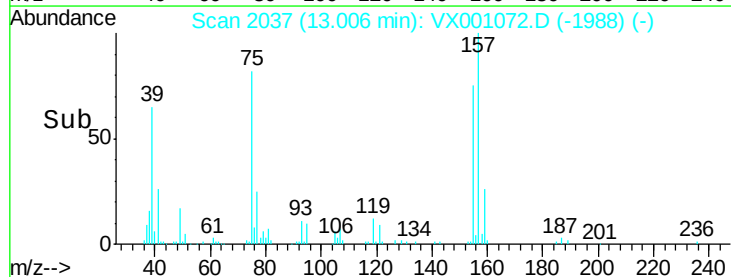
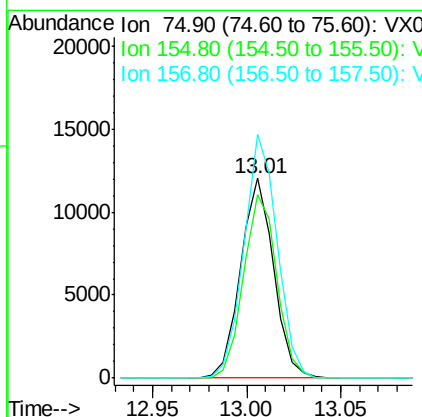
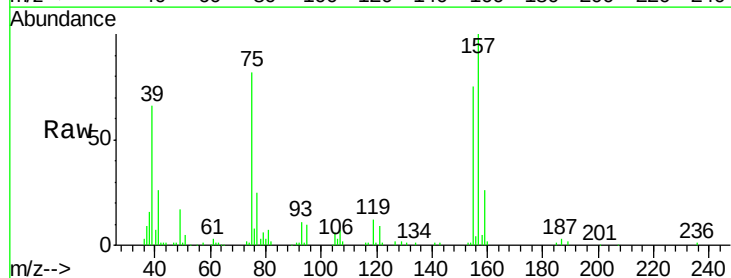
Manual Integrations
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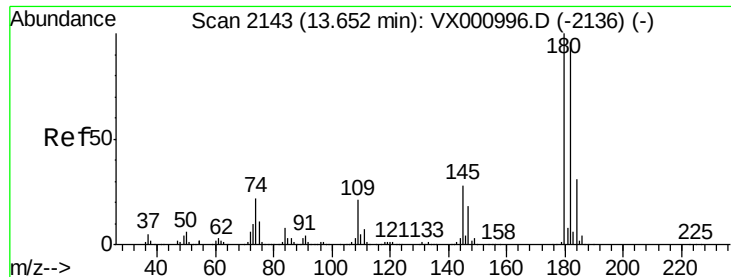
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.95 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	51.0	153.0
157	122.5	64.9	194.7





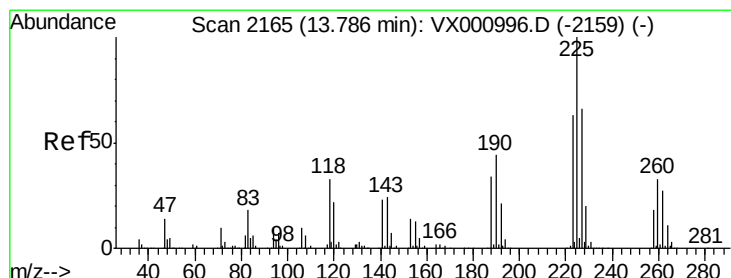
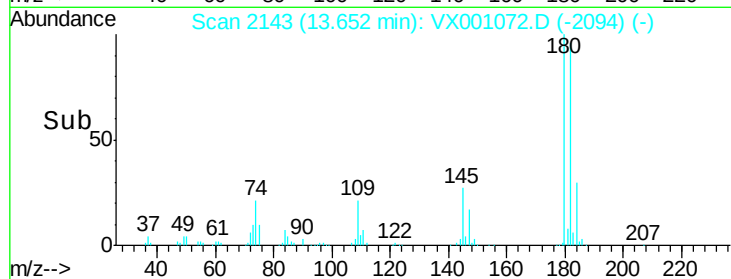
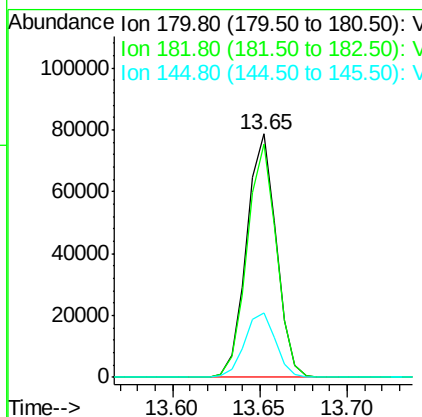
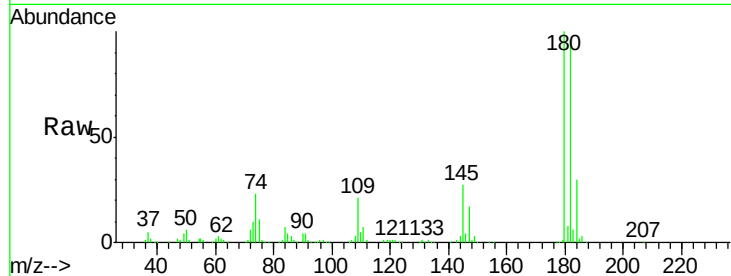
#93
 1,2,4-Trichlorobenzene
 Concen: 17.91 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.0
145	27.6	13.9	41.7

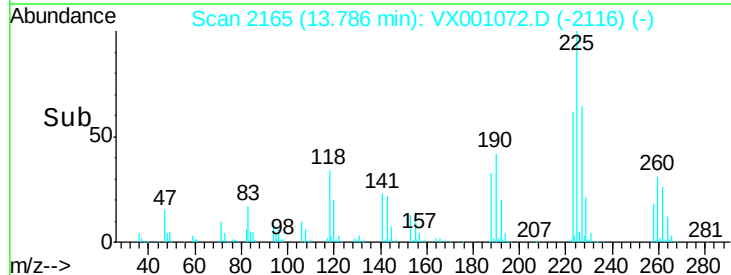
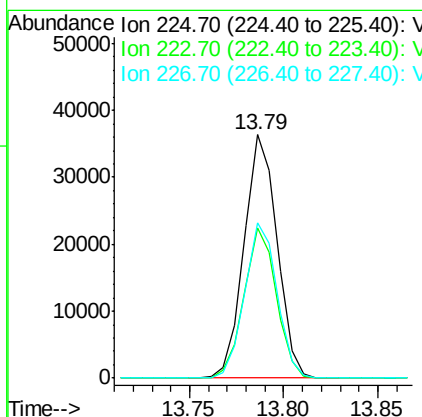
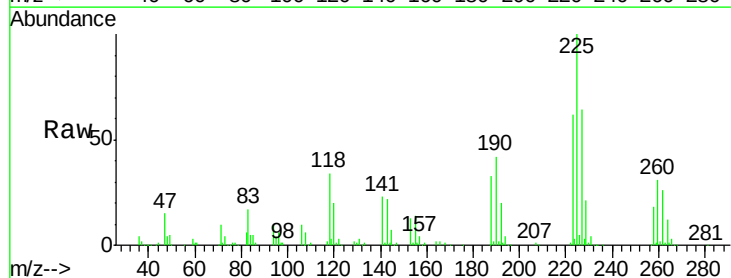
Manual Integrations
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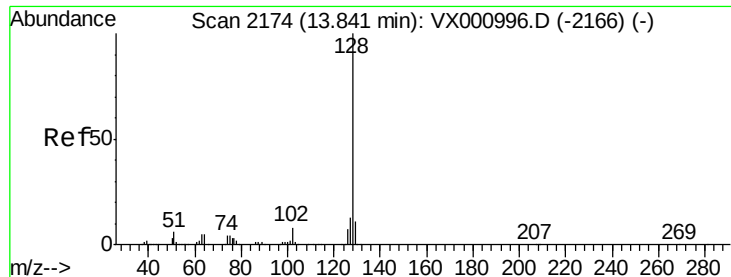
sam
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#94
 Hexachlorobutadiene
 Concen: 18.75 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001072.D
 Acq: 23 Apr 2018 21:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.5	94.5
227	62.7	32.6	97.8





#95

Naphthalene

Concen: 20.22 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Instrument :

MSVOA_X

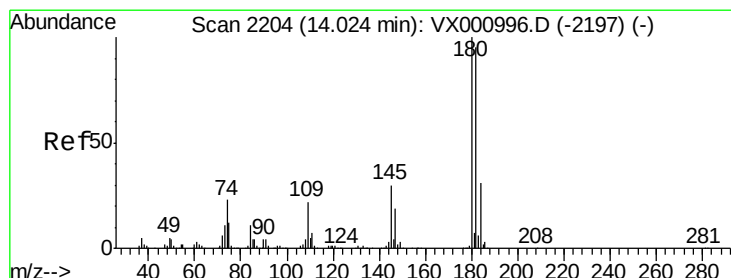
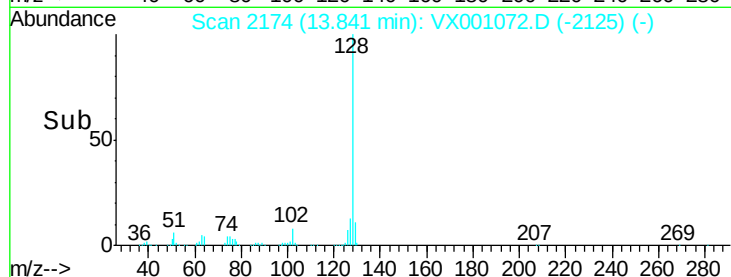
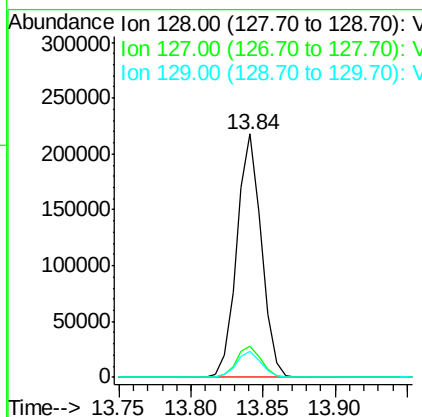
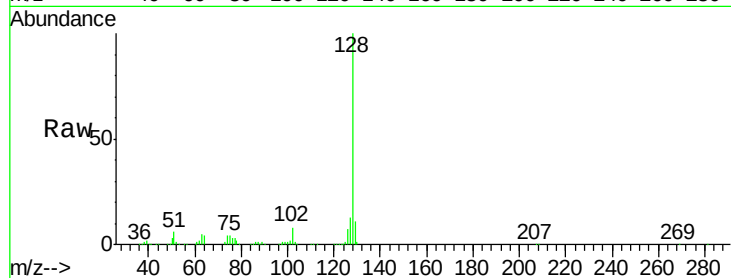
ClientSampleId :

VX0423WBSD01

Tot Ion:	128	Resp:	258720
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations
APPROVED

sam
4/24/2018 6:07:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.69 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001072.D

Acq: 23 Apr 2018 21:00

Tgt Ion:	180	Resp:	94082
Ion Ratio		Lower	Upper
180	100		
182	95.9	47.9	143.7
145	29.5	14.5	43.6

