

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042318\
 Data File : VX001074.D
 Acq On : 23 Apr 2018 21:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 4/24/2018 6:08:01 PM

Quant Time: Apr 24 08:48:23 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	215843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	296659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	197232	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	132206	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	5.51	113	109273	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.72	98	393337	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.14	95	162989	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	135053	50.45	ug/l	100
3) Chloromethane	1.32	50	110449	44.31	ug/l	99
4) Vinyl Chloride	1.40	62	123709	47.88	ug/l	100
5) Bromomethane	1.64	94	71307	47.68	ug/l	99
6) Chloroethane	1.72	64	73931	48.16	ug/l	99
7) Trichlorofluoromethane	1.93	101	190260	49.02	ug/l	100
8) Diethyl Ether	2.19	74	69397	48.41	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	107402	47.23	ug/l	99
10) Methyl Iodide	2.51	142	85391	39.87	ug/l	100
11) Tert butyl alcohol	3.08	59	116362	282.00	ug/l	100
12) 1,1-Dichloroethene	2.37	96	100560	47.82	ug/l	97
13) Acrolein	2.30	56	49917	382.25	ug/l	100
14) Allyl chloride	2.73	41	182431	47.93	ug/l	99
15) Acrylonitrile	3.15	53	281937	252.46	ug/l	100
16) Acetone	2.45	43	271356	263.38	ug/l	99
17) Carbon Disulfide	2.57	76	257103	42.90	ug/l	99
18) Methyl Acetate	2.78	43	180417	57.87	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	351919	49.78	ug/l	98
20) Methylene Chloride	2.86	84	111994	51.62	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	108289	46.26	ug/l	99
22) Diisopropyl ether	3.88	45	365006	49.54	ug/l	99
23) Vinyl Acetate	3.83	43	1472098	241.35	ug/l	99
24) 1,1-Dichloroethane	3.70	63	196269	47.49	ug/l	99
25) 2-Butanone	4.72	43	414010	257.42	ug/l	99
26) 2,2-Dichloropropane	4.59	77	148441	41.76	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	123832	47.48	ug/l	98
28) Bromochloromethane	5.03	49	85580	53.85	ug/l	98
29) Tetrahydrofuran	5.18	42	260704	256.51	ug/l	100
30) Chloroform	5.23	83	209200	48.88	ug/l	97
31) Cyclohexane	5.58	56	176356	45.72	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	190124	49.55	ug/l	100
36) 1,1-Dichloropropene	5.81	75	155276	44.54	ug/l	100
37) Ethyl Acetate	4.87	43	157621	49.29	ug/l	100
38) Carbon Tetrachloride	5.79	117	167647	47.49	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	183352	45.18	ug/l	99
40) Benzene	6.15	78	454031	46.85	ug/l	99
41) Methacrylonitrile	5.07	41	93691	46.92	ug/l	99
42) 1,2-Dichloroethane	6.21	62	179225	48.18	ug/l	99
43) Isopropyl Acetate	6.48	43	270082	49.23	ug/l	99
44) Trichloroethene	7.22	130	134372	45.38	ug/l	99
45) 1,2-Dichloropropane	7.52	63	116712	47.89	ug/l	99
46) Dibromomethane	7.67	93	81600	47.92	ug/l	98
47) Bromodichloromethane	7.91	83	155147	49.18	ug/l	98
48) Methyl methacrylate	7.79	41	144713	48.99	ug/l	99
49) 1,4-Dioxane	7.76	88	49095	1130.15	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	863615	259.26	ug/l	99
52) Toluene	8.79	92	300073	47.44	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	183901	48.75	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	175056	49.21	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	122577	48.75	ug/l	98
56) Ethyl methacrylate	9.19	69	183036	49.56	ug/l	98
57) 1,3-Dichloropropane	9.38	76	197487	47.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	454960	252.43	ug/l	100
59) 2-Hexanone	9.51	43	654216	256.58	ug/l	99
60) Dibromochloromethane	9.59	129	134051	50.76	ug/l	99
61) 1,2-Dibromoethane	9.68	107	130011	49.00	ug/l	99
64) Tetrachloroethene	9.34	164	145269	47.96	ug/l	99
65) Chlorobenzene	10.15	112	357117	47.03	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	130078	49.90	ug/l	100
67) Ethyl Benzene	10.26	91	592870	47.01	ug/l	99
68) m/p-Xylenes	10.37	106	468861	94.33	ug/l	99
69) o-Xylene	10.71	106	227326	47.44	ug/l	98
70) Styrene	10.72	104	379072	48.03	ug/l	100
71) Bromoform	10.87	173	109043	45.21	ug/l	100
73) Isopropylbenzene	11.02	105	615942	47.77	ug/l	99
74) N-amyl acetate	6.48	43	270082	48.97	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	184493	50.54	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	171598m	50.15	ug/l	
77) Bromobenzene	11.26	156	176368	47.12	ug/l	99
78) n-propylbenzene	11.37	91	696098	47.03	ug/l	100
79) 2-Chlorotoluene	11.43	91	412958	47.21	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	528257	48.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	46423	42.17	ug/l	97
82) 4-Chlorotoluene	11.52	91	496151	46.94	ug/l	99
83) tert-Butylbenzene	11.77	119	534680	48.49	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	544507	48.41	ug/l	99
85) sec-Butylbenzene	11.95	105	629830	47.85	ug/l	100
86) p-Isopropyltoluene	12.07	119	584488	48.01	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	320990	45.81	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	329376	45.80	ug/l	100
89) n-Butylbenzene	12.40	91	496155	45.80	ug/l	100
90) Hexachloroethane	12.60	117	88641	51.38	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	323457	47.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	41380	54.11	ug/l	96

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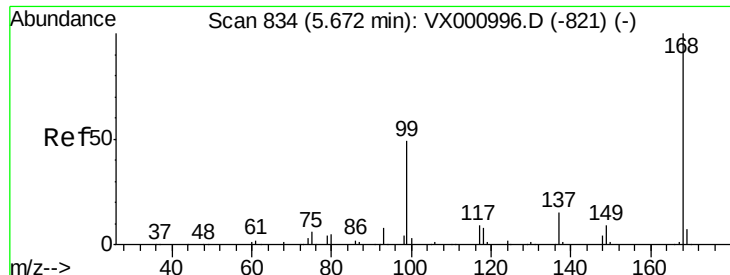
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	253758	44.56	ug/l	99
94) Hexachlorobutadiene	13.79	225	118415	45.96	ug/l	100
95) Naphthalene	13.84	128	696120	49.71	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	253190	45.97	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: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 215843

Ion Ratio Lower Upper

168 100

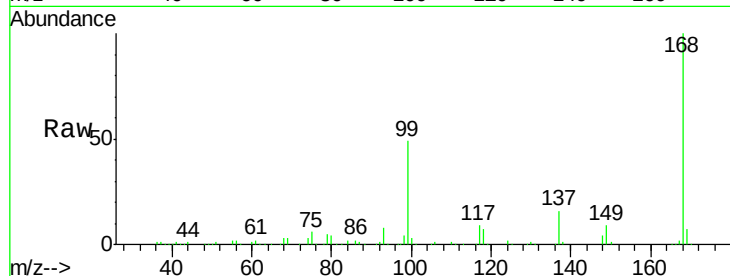
99 48.6 39.2 58.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

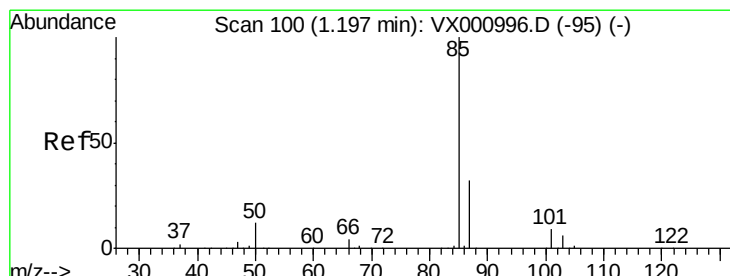
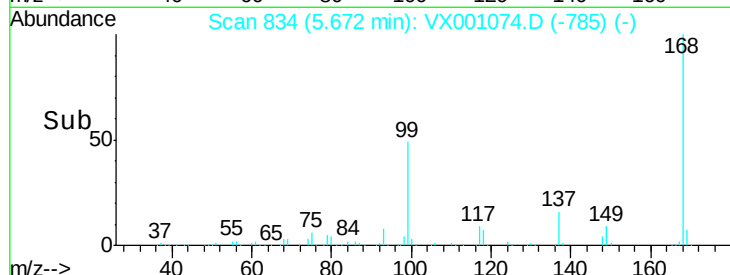
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.45 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001074.D

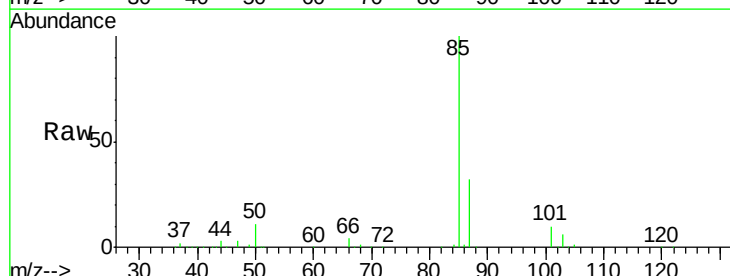
Acq: 23 Apr 2018 21:51

Tgt Ion: 85 Resp: 135053

Ion Ratio Lower Upper

85 100

87 31.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

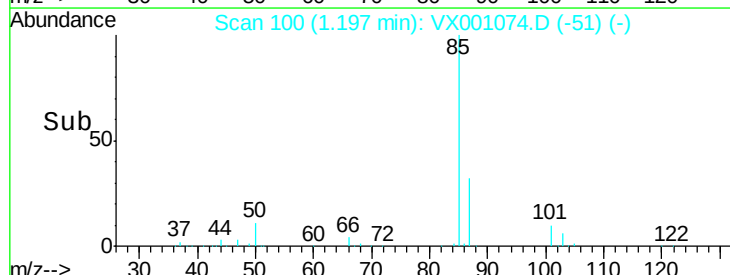
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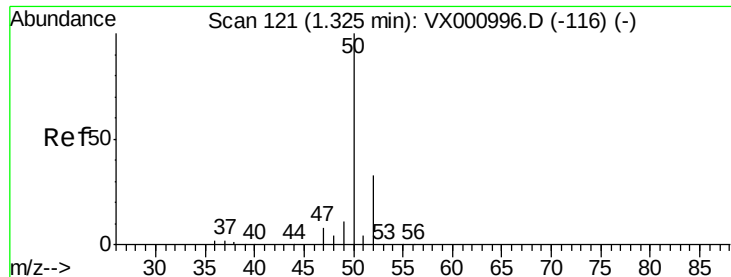
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 44.31 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110449

Ion Ratio Lower Upper

50 100

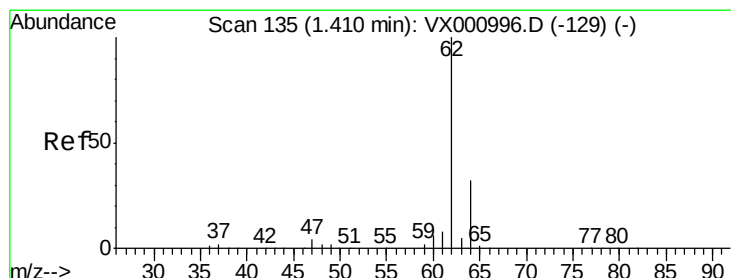
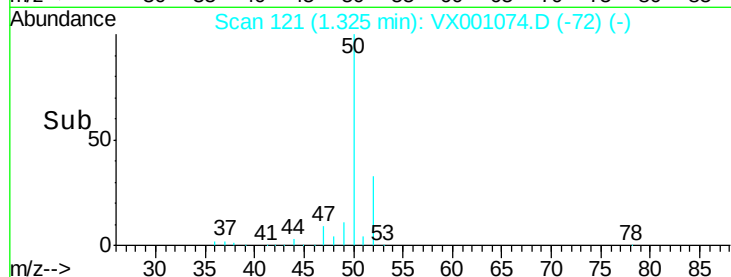
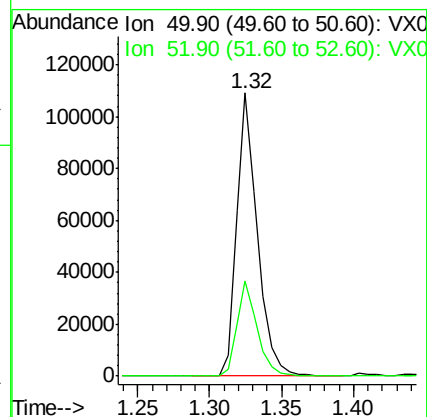
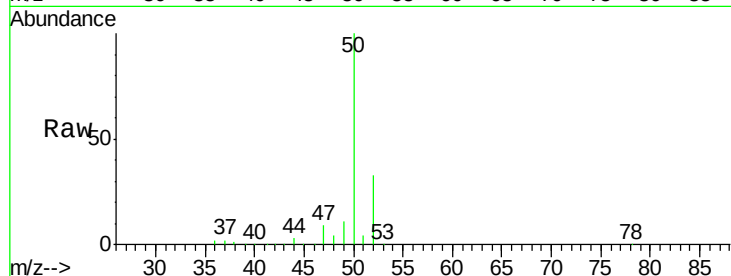
52 33.4 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.88 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001074.D

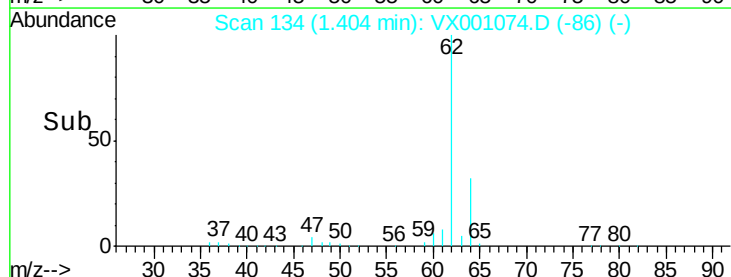
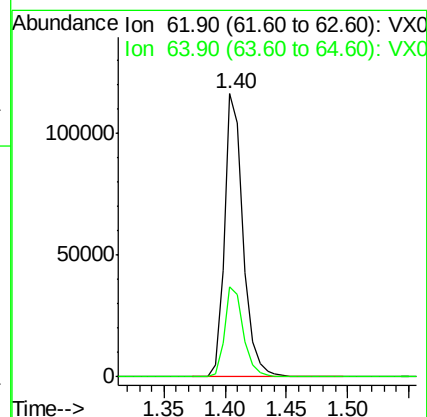
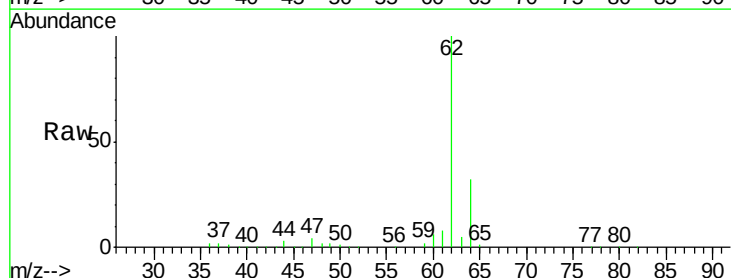
Acq: 23 Apr 2018 21:51

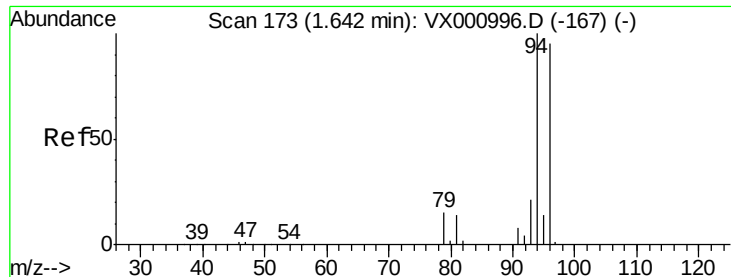
Tgt Ion: 62 Resp: 123709

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 47.68 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 94 Resp: 71307

Ion Ratio Lower Upper

94 100

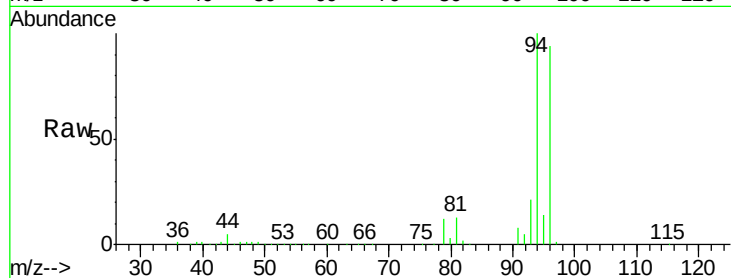
96 94.5 76.0 114.0

Manual Integrations

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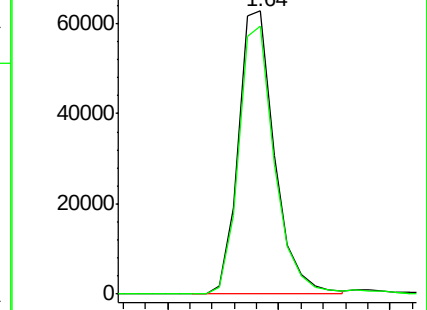
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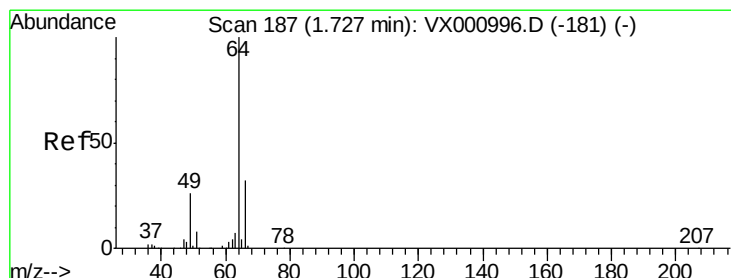
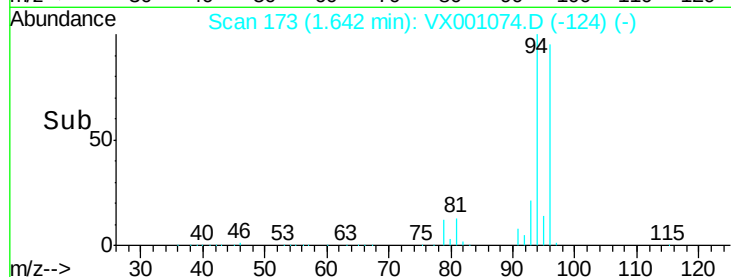


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 48.16 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX001074.D

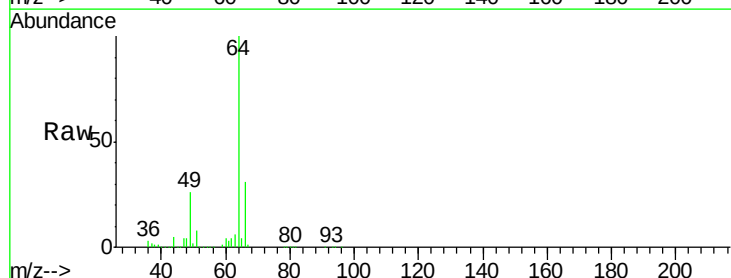
Acq: 23 Apr 2018 21:51

Tgt Ion: 64 Resp: 73931

Ion Ratio Lower Upper

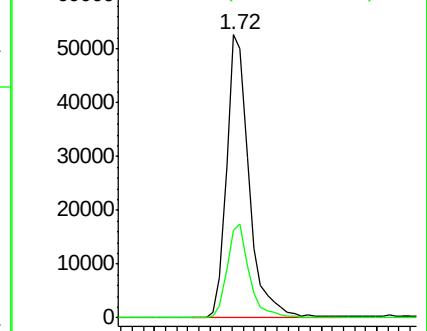
64 100

66 30.9 25.3 37.9

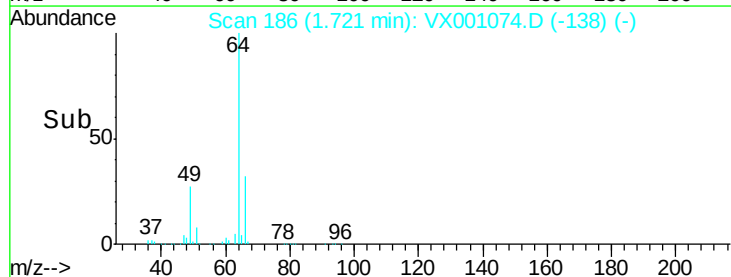


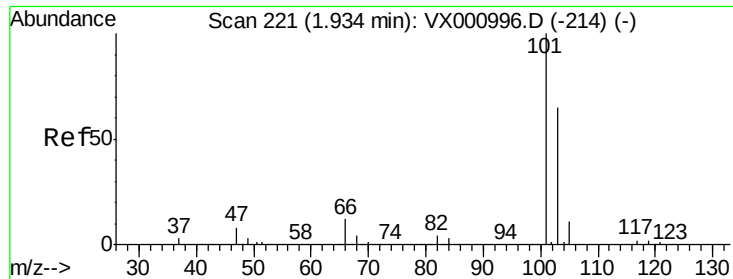
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

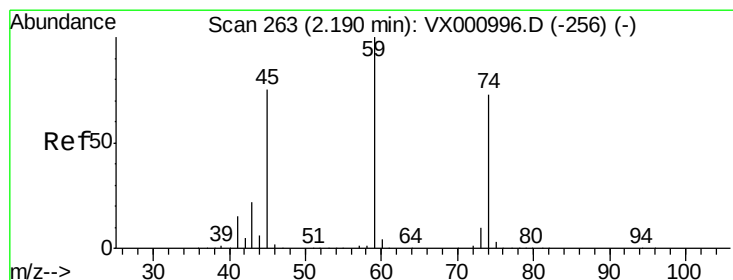
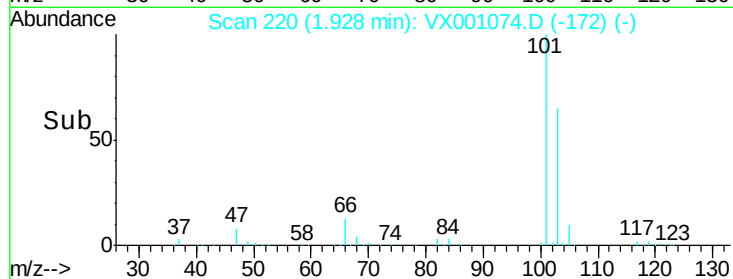
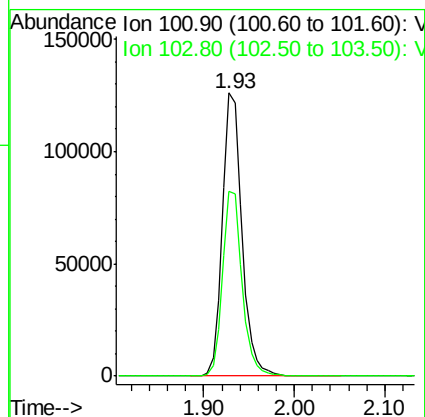
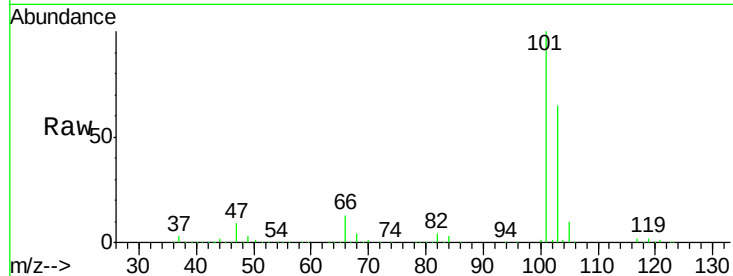
Trichlorofluoromethane
 Concen: 49.02 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.8

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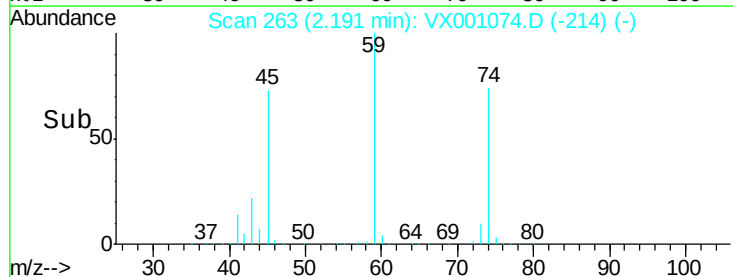
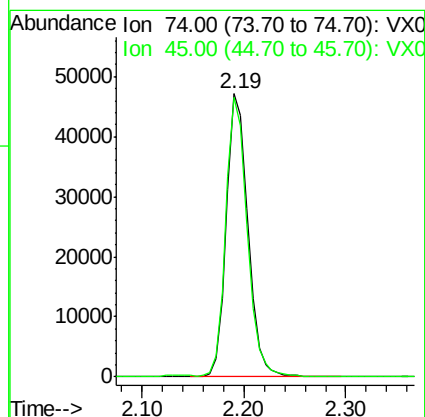
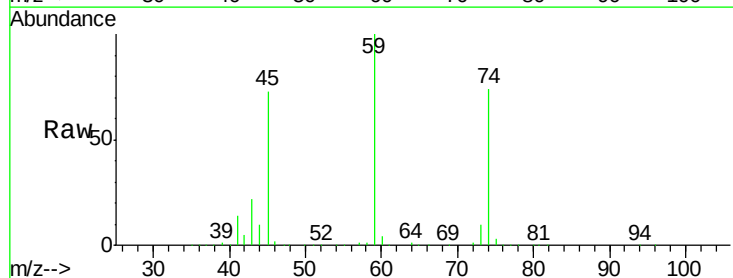
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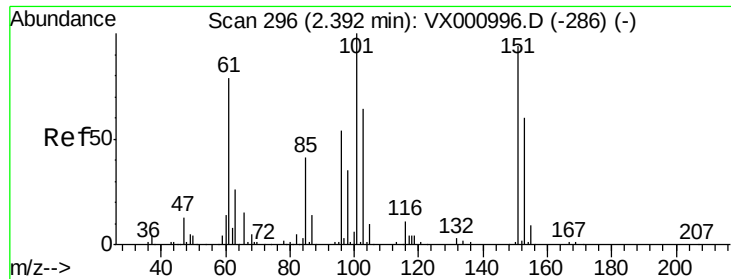


#8

Diethyl Ether
 Concen: 48.41 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.23 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

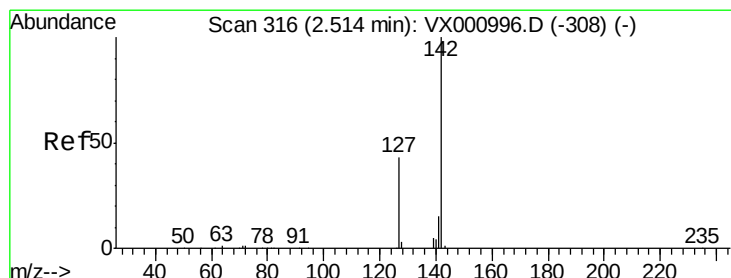
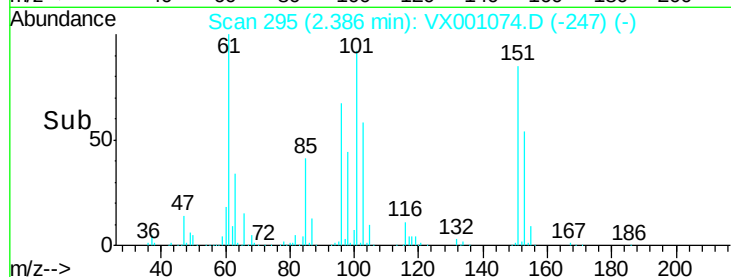
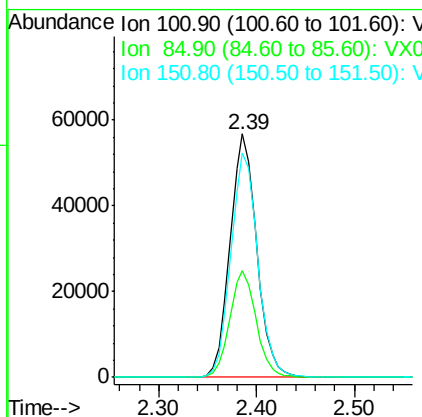
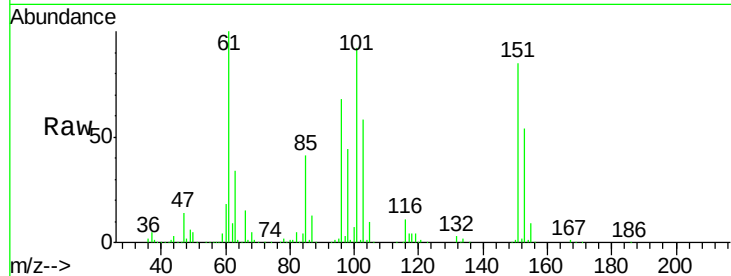
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	107402
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.9	50.9
151	93.2	73.5	110.3

Manual Integrations
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#10

Methyl Iodide

Concen: 39.87 ug/l

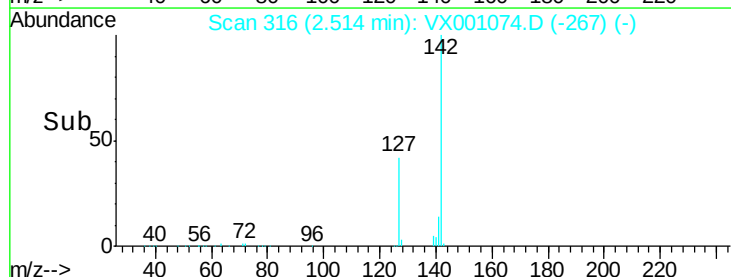
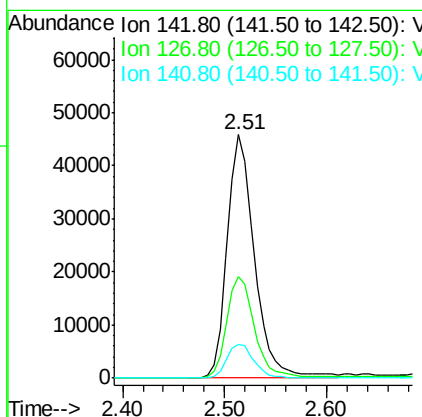
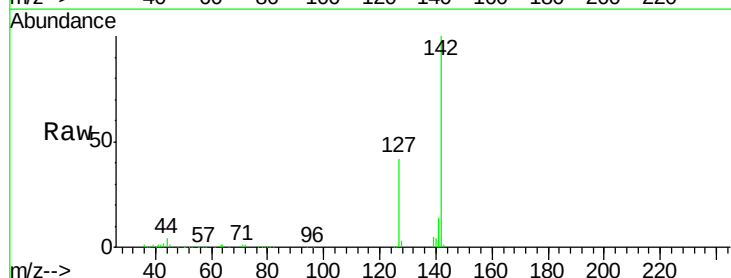
RT: 2.51 min Scan# 316

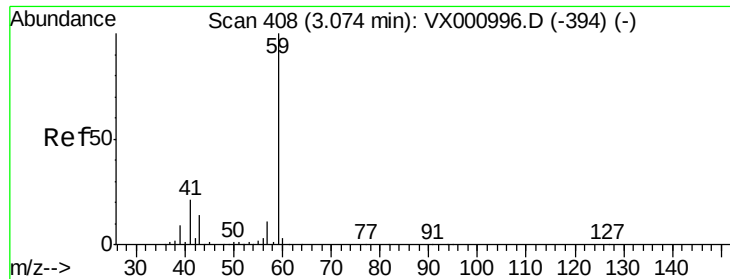
Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tgt Ion:	142	Resp:	85391
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.0	51.0
141	14.3	11.4	17.2





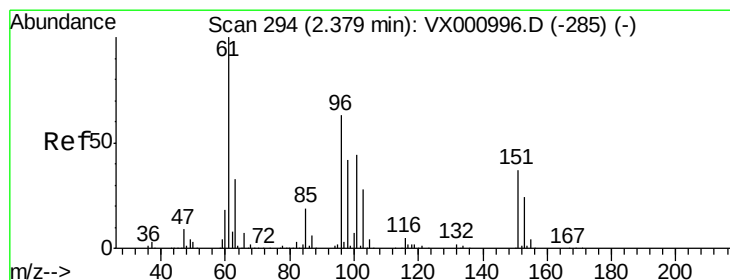
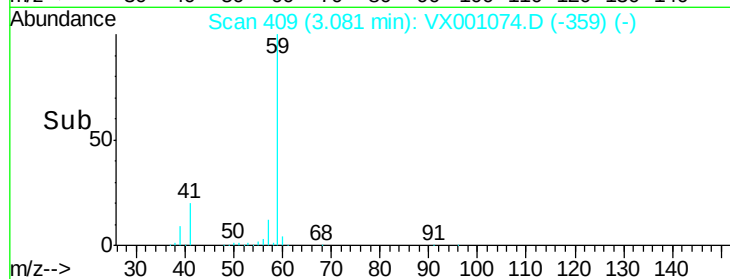
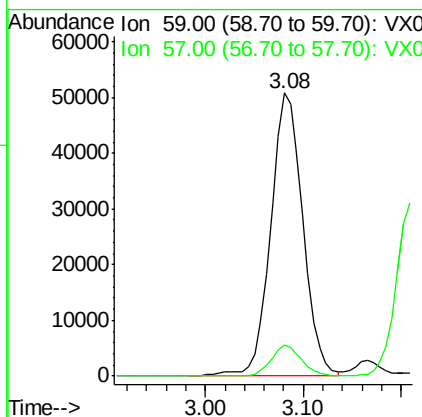
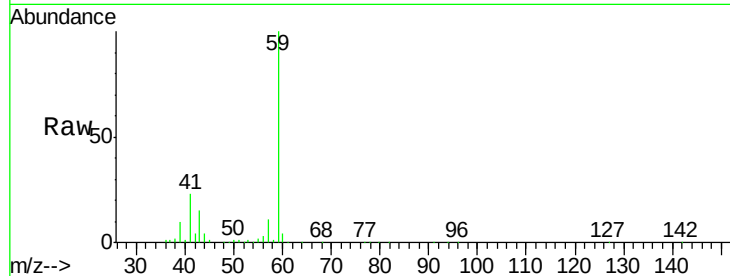
#11
Tert butyl alcohol
Concen: 282.00 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	116362
Ion Ratio	100	Lower	Upper
57	10.5	8.3	12.5

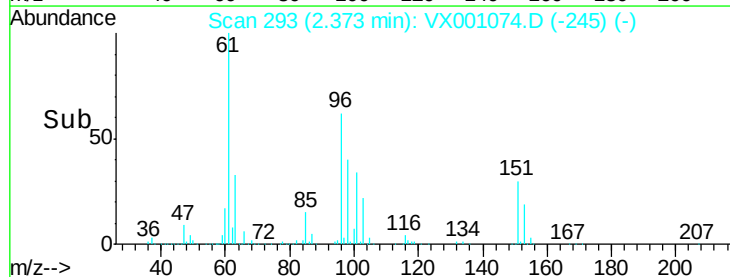
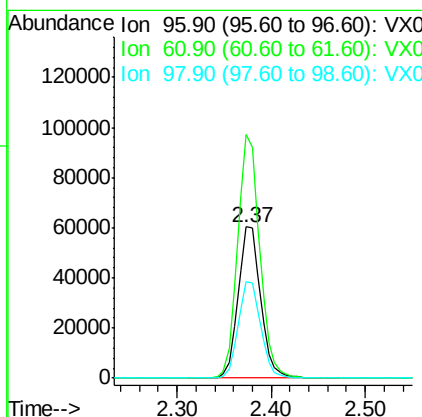
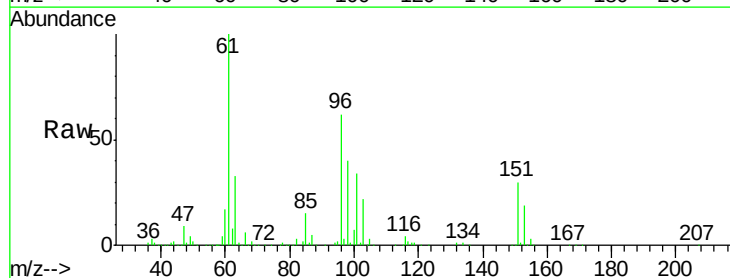
Manual Integrations
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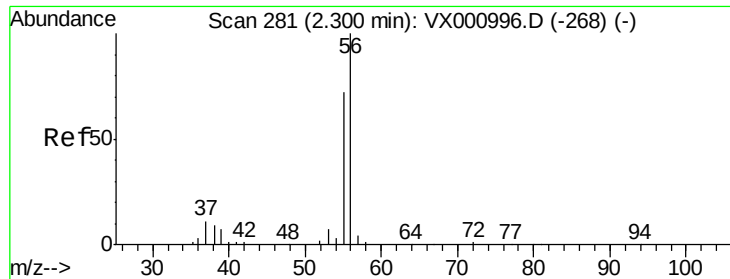
sam
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#12
1,1-Dichloroethene
Concen: 47.82 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	96	Resp	100560
Ion Ratio	100	Lower	Upper
61	161.3	126.4	189.6
98	63.8	52.6	78.8





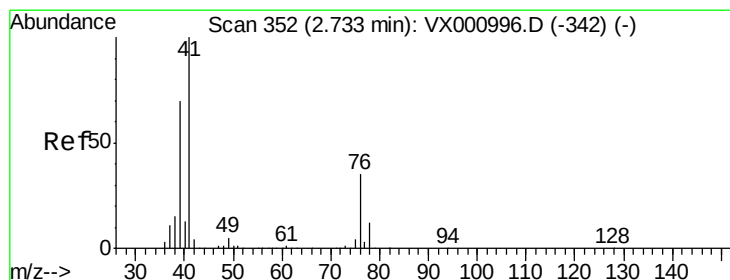
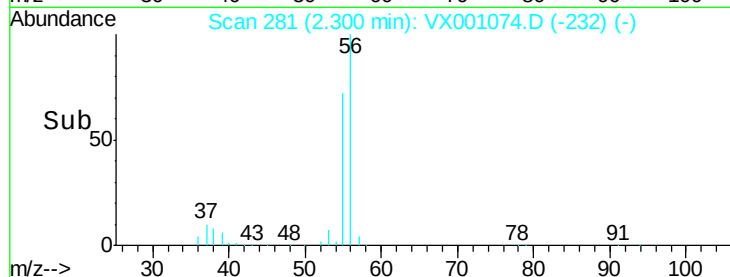
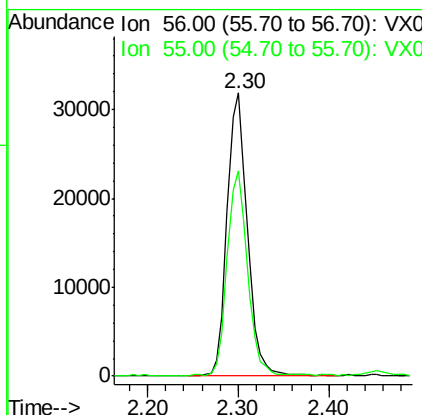
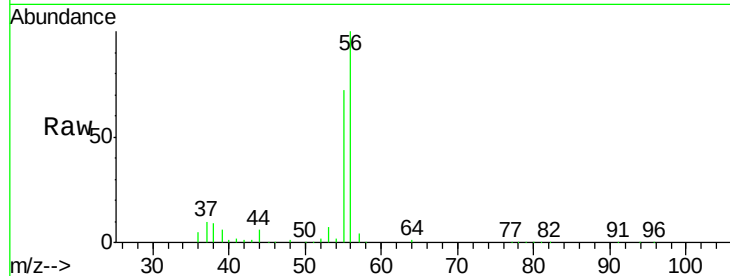
#13
Acrolein
Concen: 382.25 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	49917
Ion Ratio	100	Lower	Upper
55	71.6	57.4	86.2

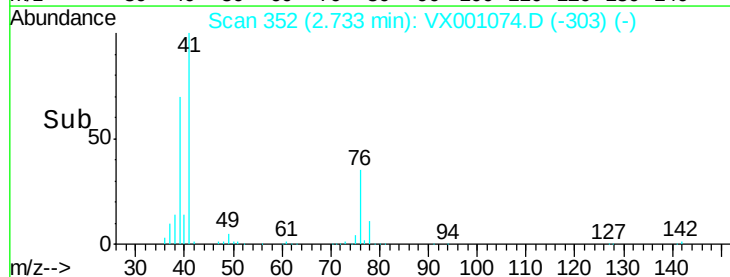
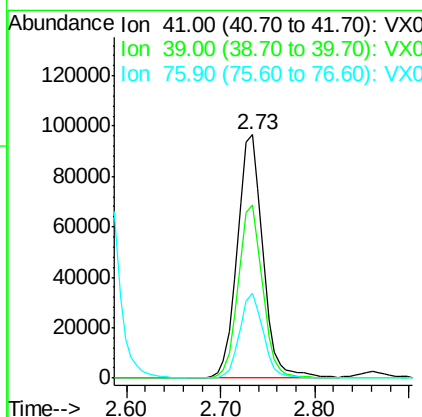
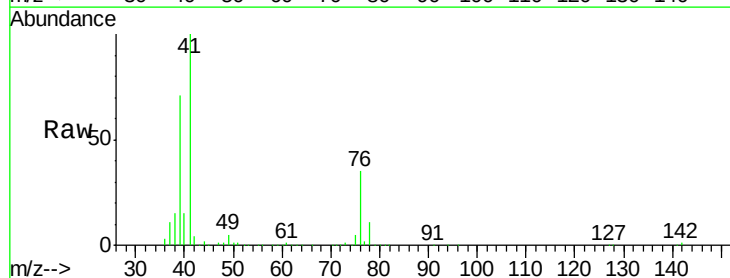
Manual Integrations
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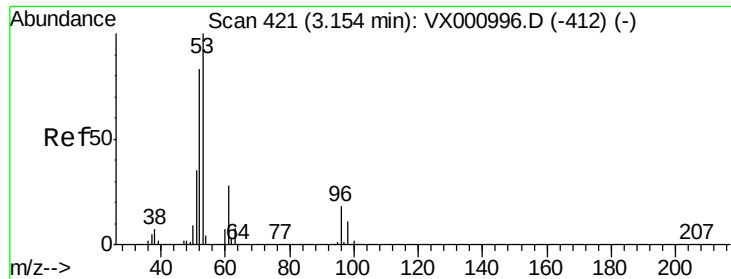
sam
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#14
Allyl chloride
Concen: 47.93 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	41	Resp	182431
Ion Ratio	100	Lower	Upper
39	67.4	53.0	79.6
76	32.1	25.9	38.9





#15

Acrylonitrile

Concen: 252.46 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

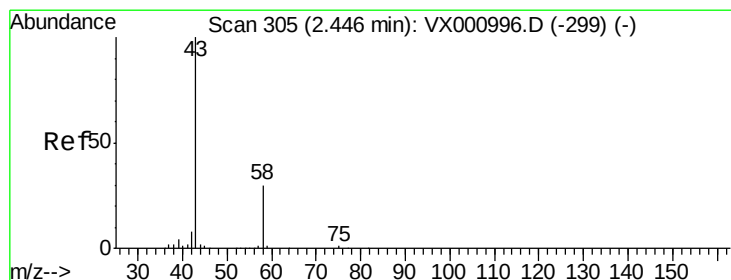
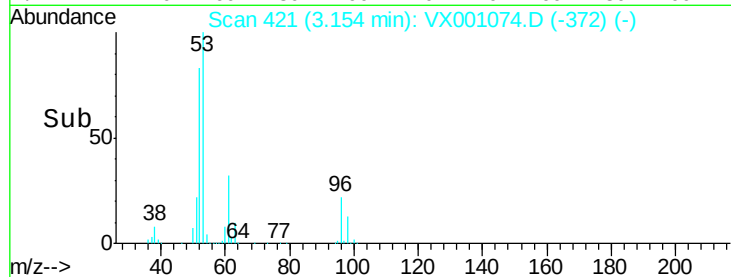
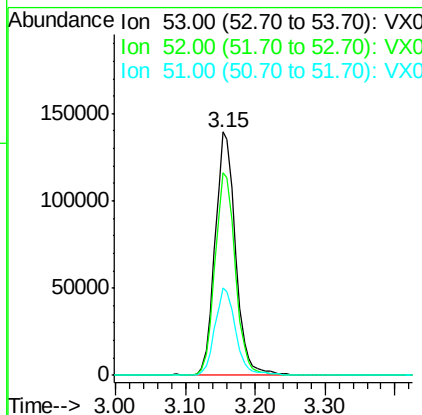
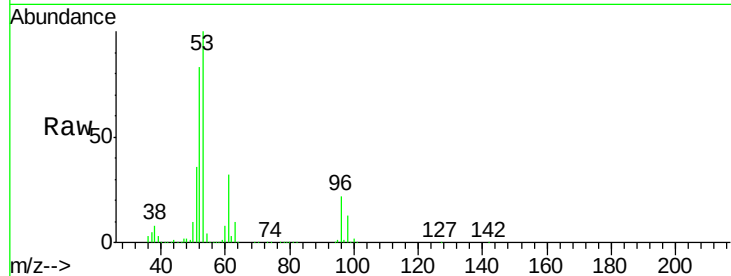
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	281937
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.4	99.6
51	36.4	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 263.38 ug/l

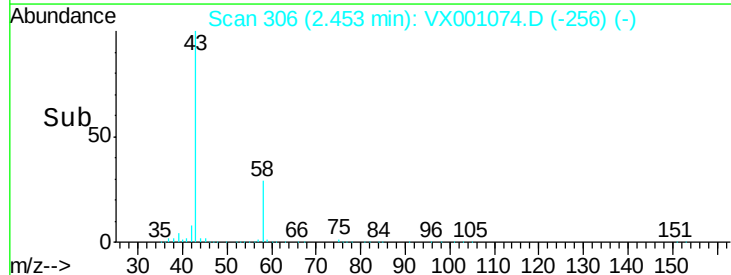
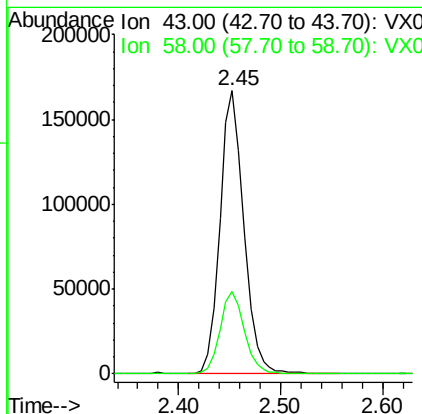
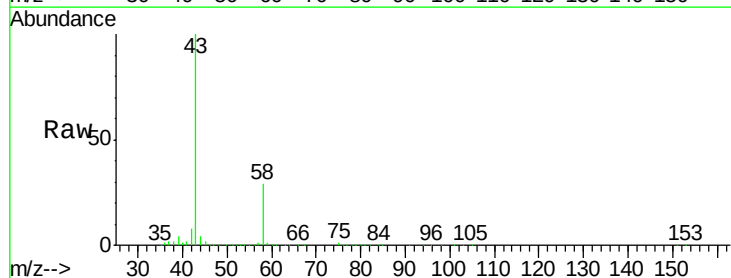
RT: 2.45 min Scan# 306

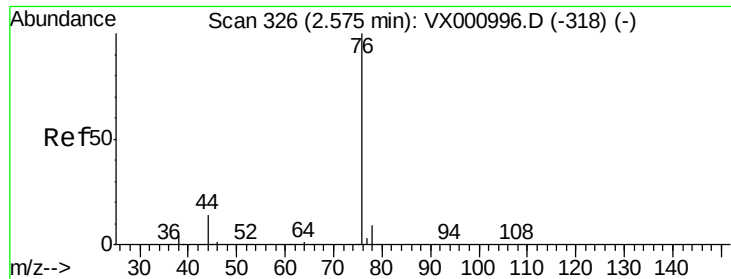
Delta R.T. 0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tgt Ion:	43	Resp:	271356
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.7	35.5





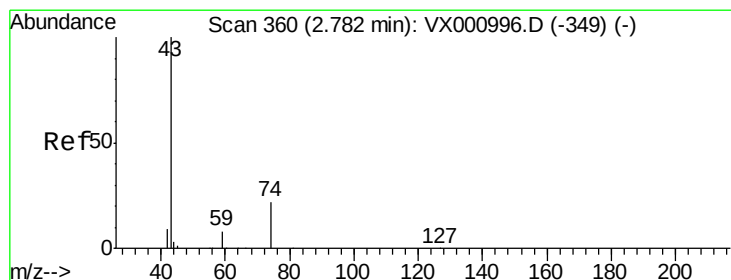
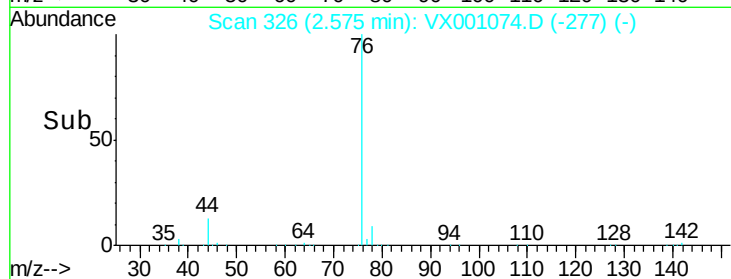
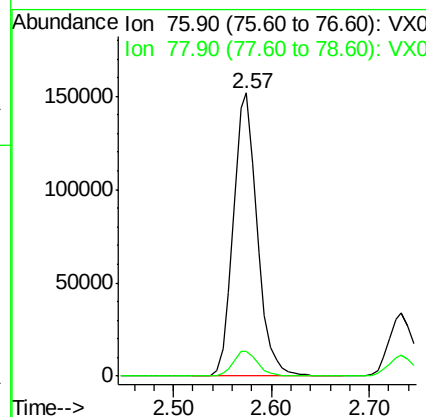
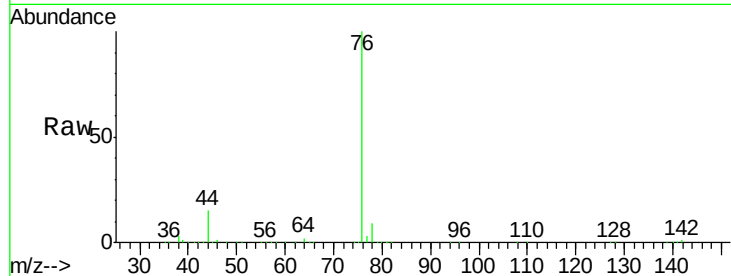
#17
Carbon Disulfide
Concen: 42.90 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

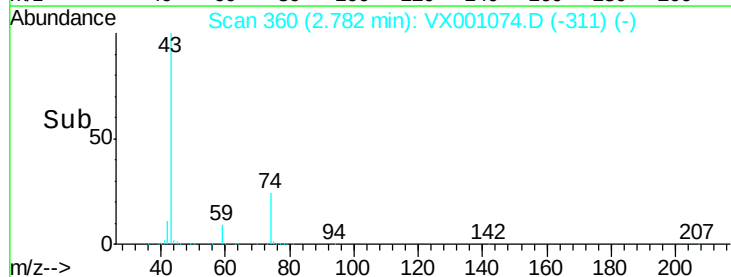
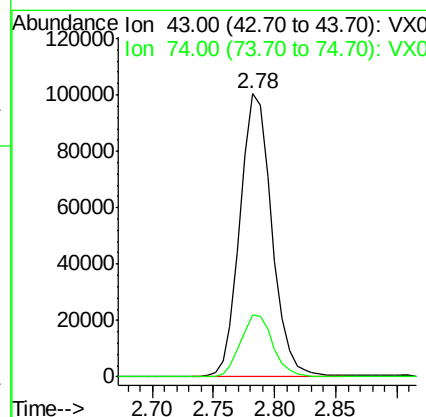
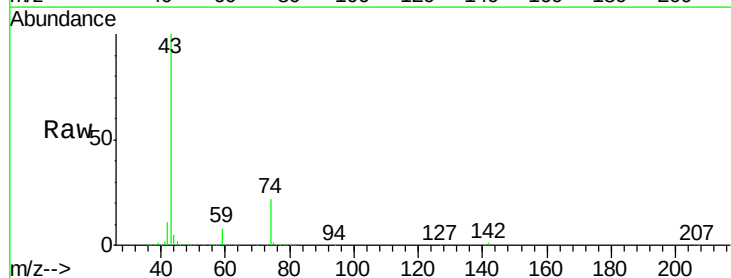
Manual Integrations
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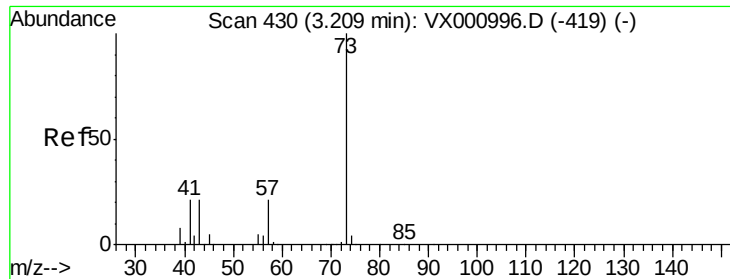
sam
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#18
Methyl Acetate
Concen: 57.87 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	18.3	27.5





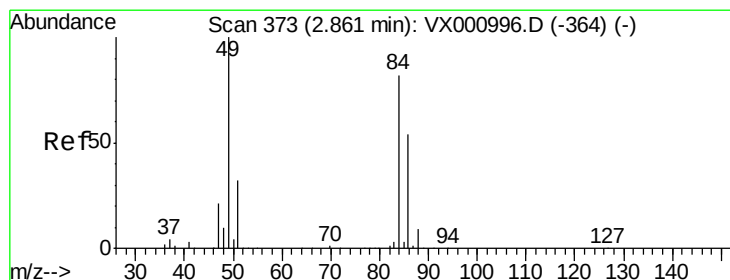
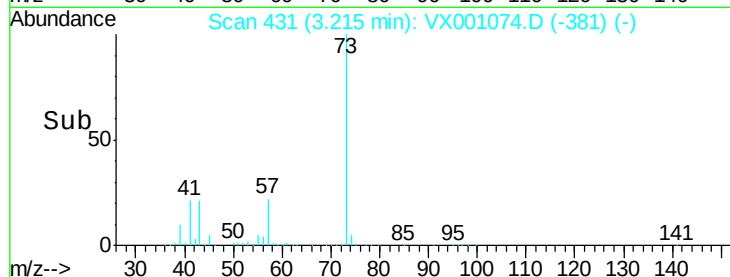
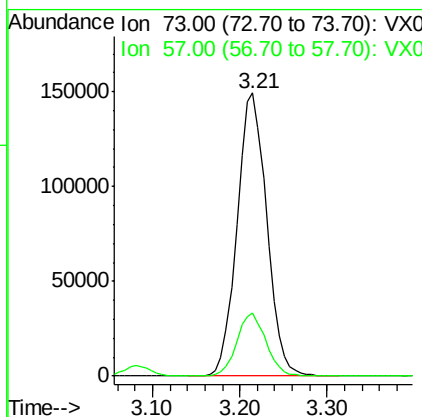
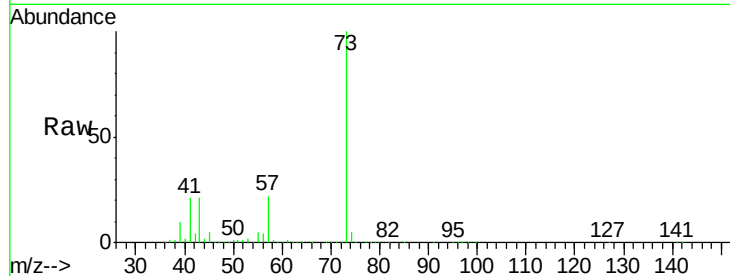
#19
Methyl tert-butyl Ether
Concen: 49.78 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.1	25.7

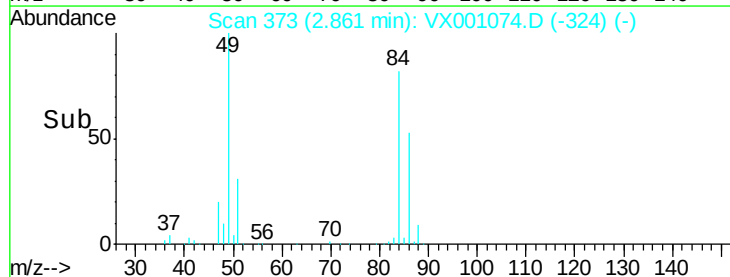
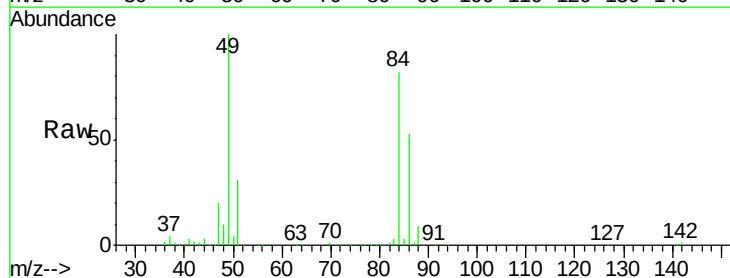
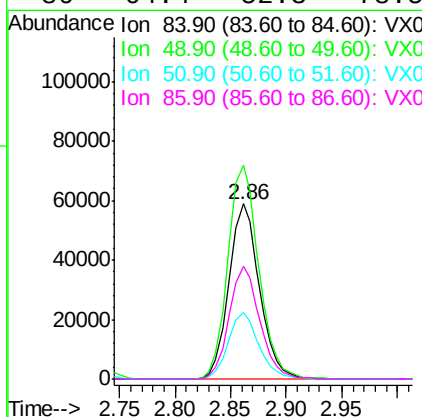
Manual Integrations
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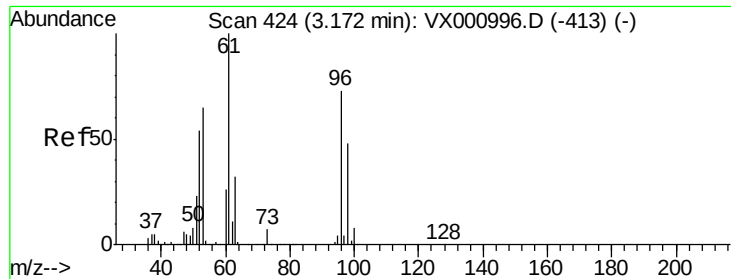
sam
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#20
Methylene Chloride
Concen: 51.62 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.8	97.1	145.7
51	38.0	30.8	46.2
86	64.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 46.26 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

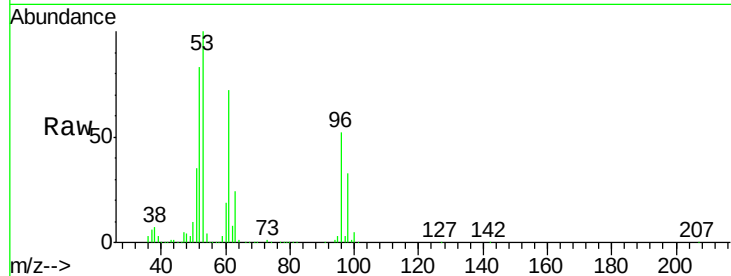
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	108289
Ion Ratio	Lower	Upper	
96	100		
61	137.3	109.4	164.2
98	63.9	52.6	78.8

Manual Integrations
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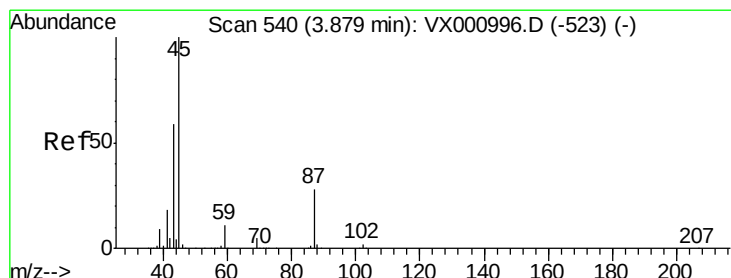
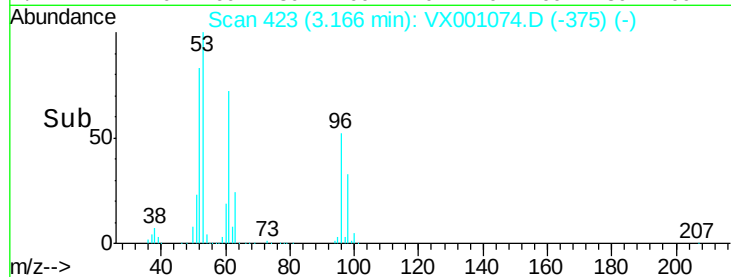
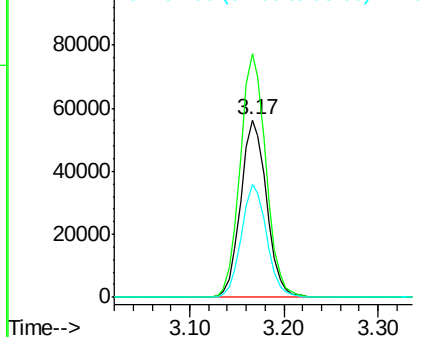


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.54 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tgt Ion:	45	Resp:	365006
Ion Ratio	Lower	Upper	
45	100		
43	59.8	47.0	70.4
87	27.4	22.5	33.7
59	10.8	8.8	13.2

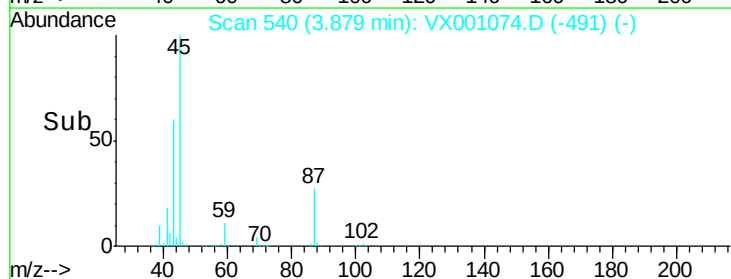
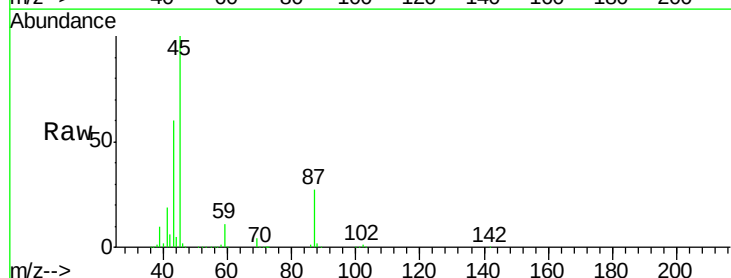
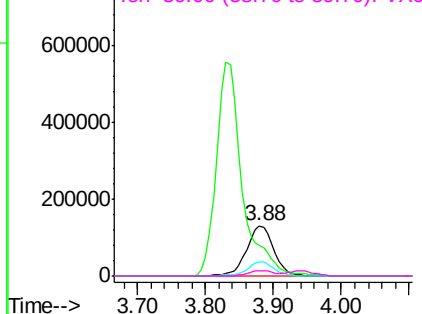
Abundance

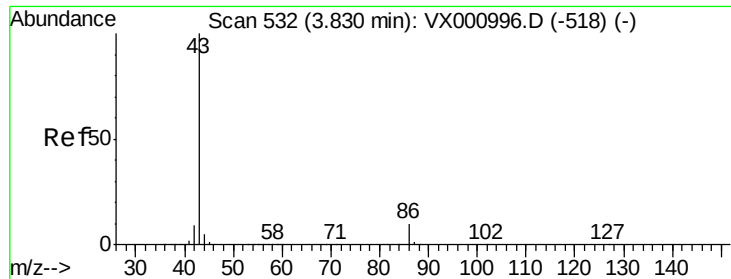
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 241.35 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tot Ion: 43 Resp: 1472098

Ion Ratio Lower Upper

43 100

86 9.8 8.1 12.1

Instrument :

MSVOA_X

ClientSampleId :

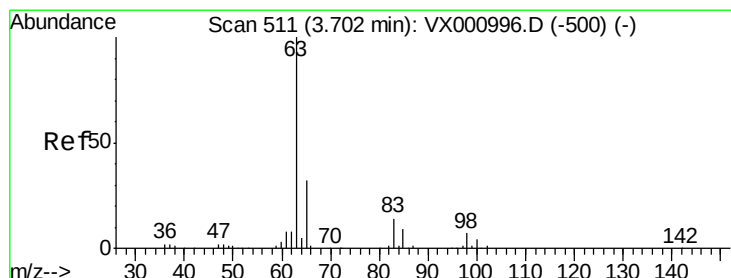
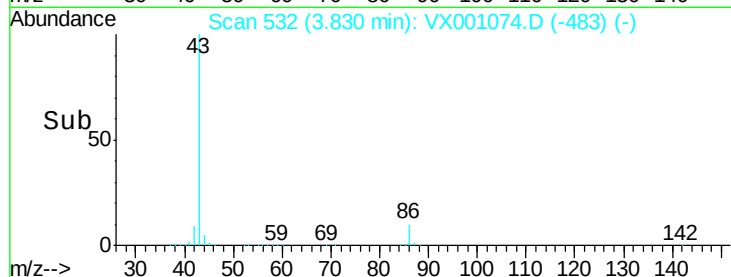
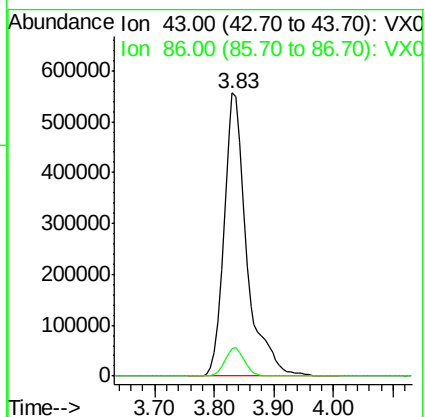
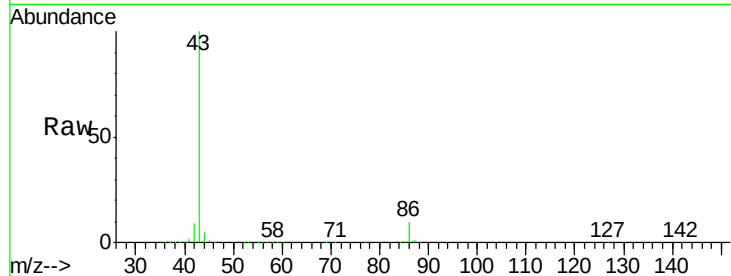
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.49 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

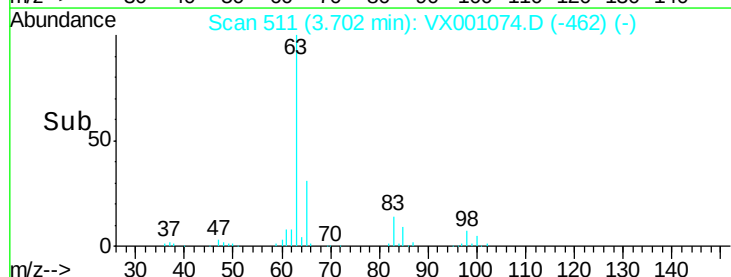
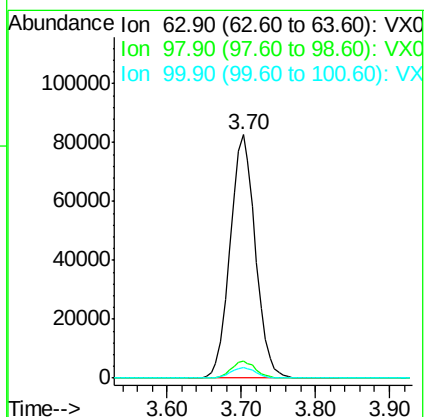
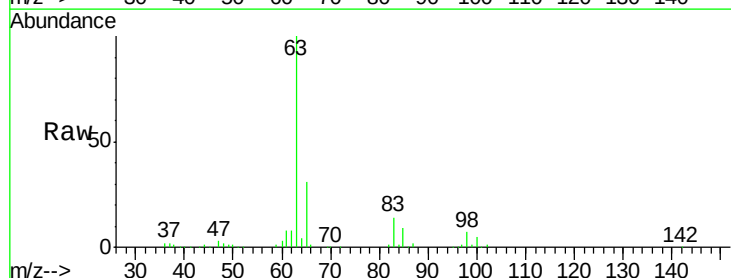
Tgt Ion: 63 Resp: 196269

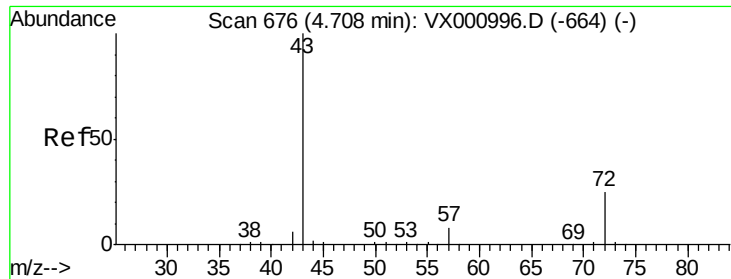
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 257.42 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 414010

Ion Ratio Lower Upper

43 100

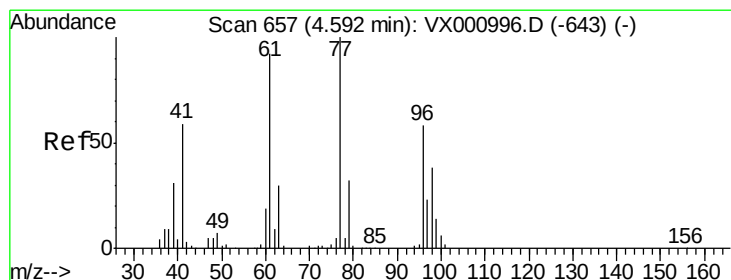
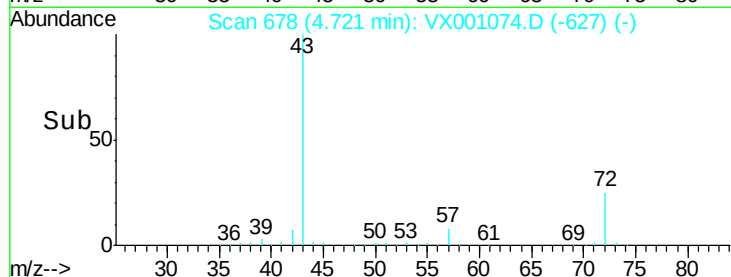
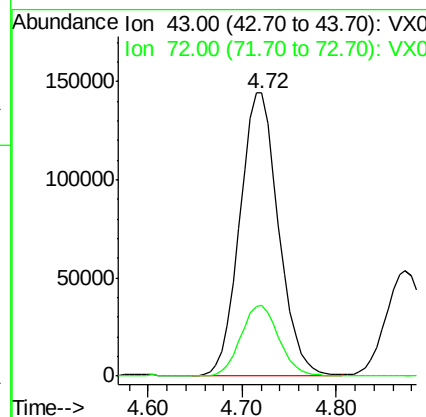
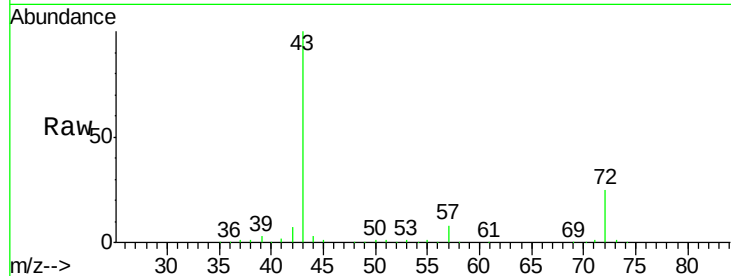
72 25.2 19.9 29.9

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 41.76 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001074.D

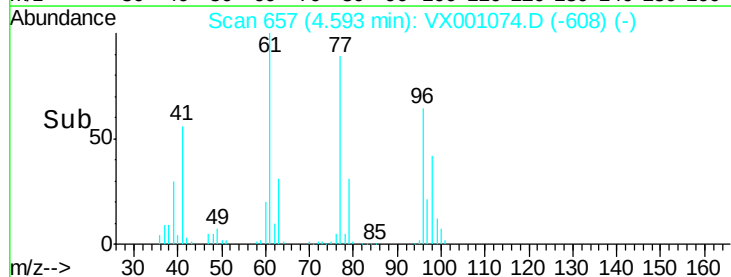
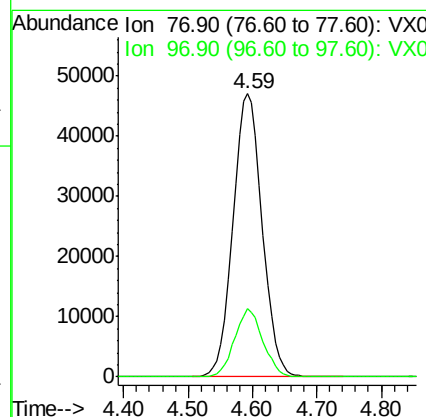
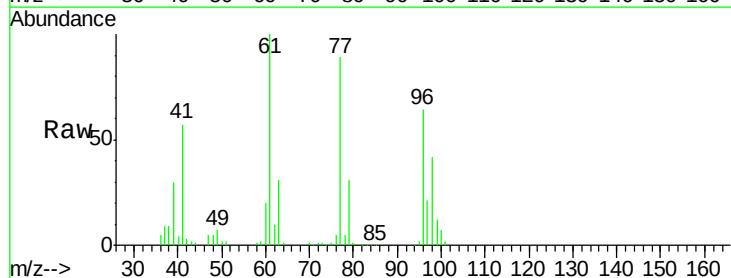
Acq: 23 Apr 2018 21:51

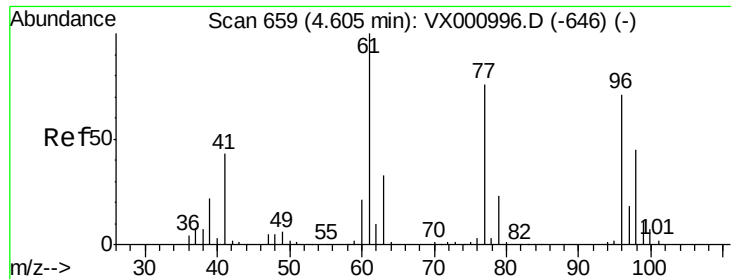
Tgt Ion: 77 Resp: 148441

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 47.48 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001074.D

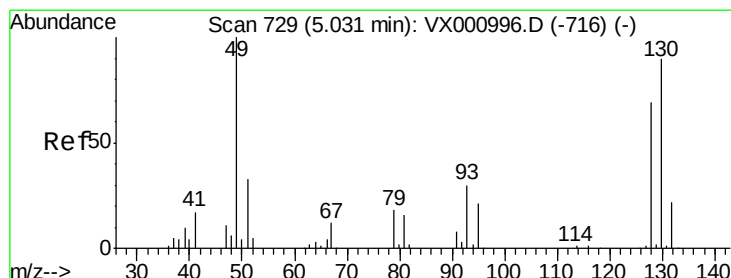
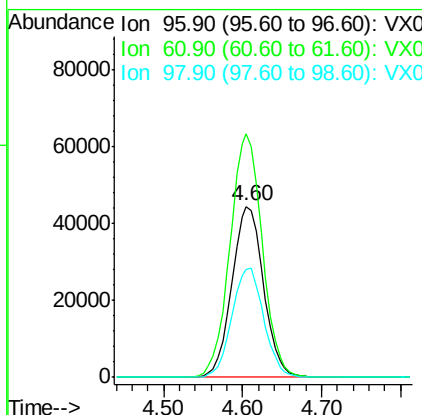
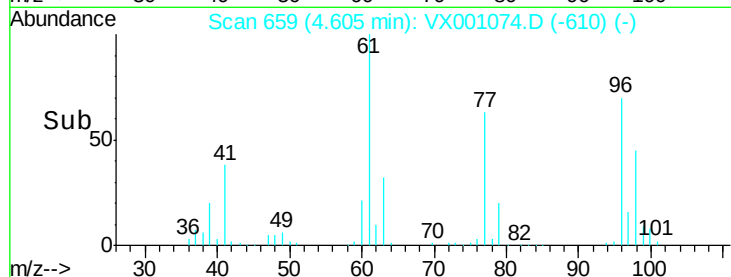
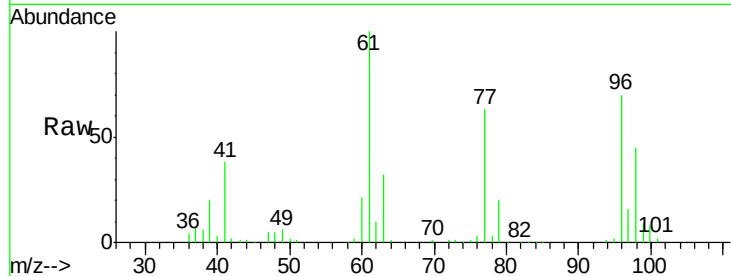
Acq: 23 Apr 2018 21:51

Tot Ion:	96	Resp:	123832
Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	297.0
98	64.5	0.0	130.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

sam
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#28

Bromochloromethane

Concen: 53.85 ug/l

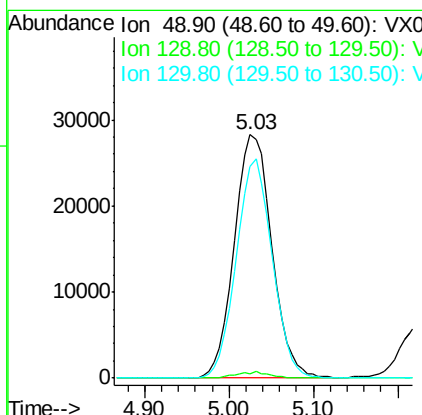
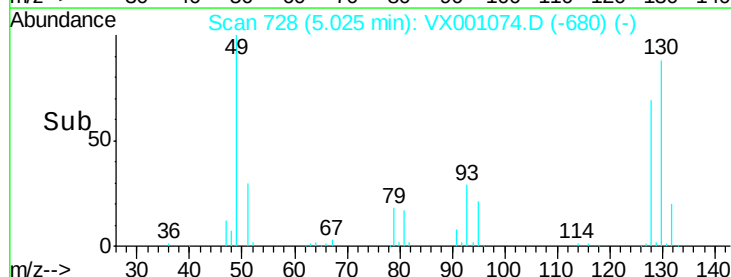
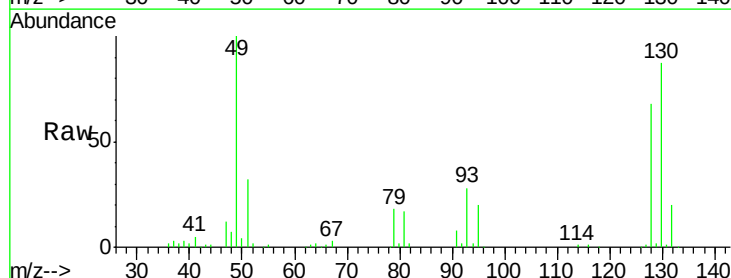
RT: 5.03 min Scan# 728

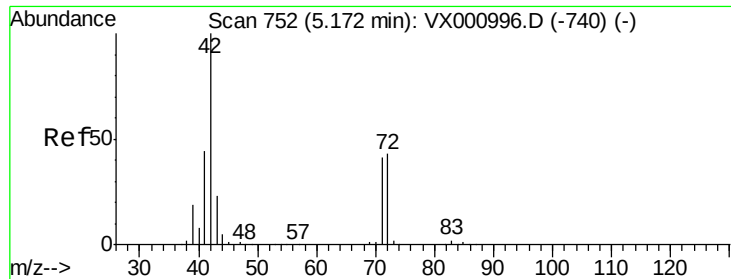
Delta R.T. -0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tgt Ion:	49	Resp:	85580
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	86.1	70.6	105.8





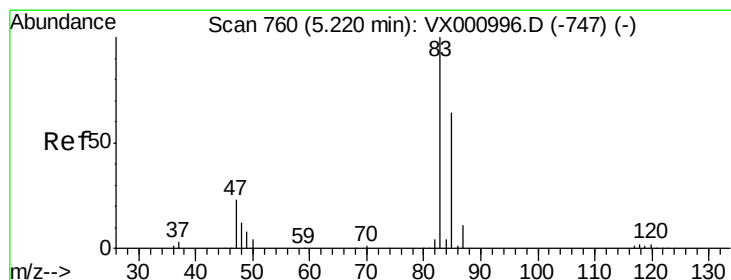
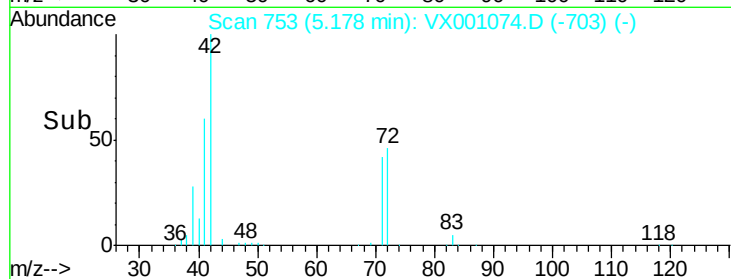
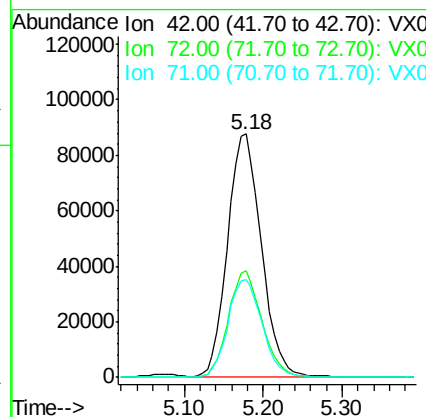
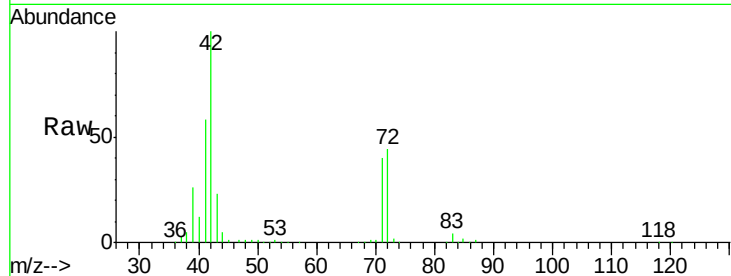
#29
Tetrahydrofuran
Concen: 256.51 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.6	52.0
71	40.6	32.6	49.0

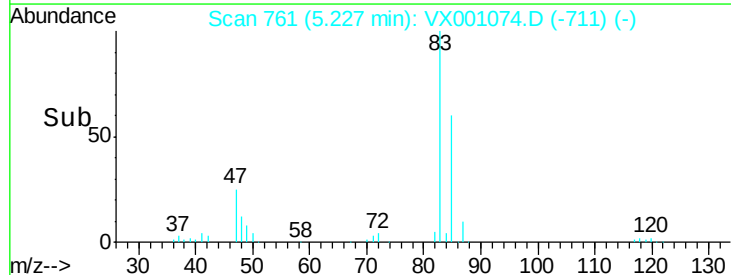
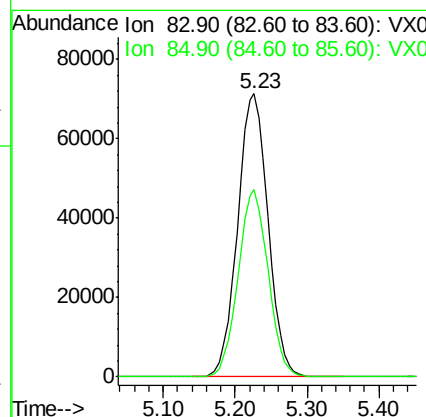
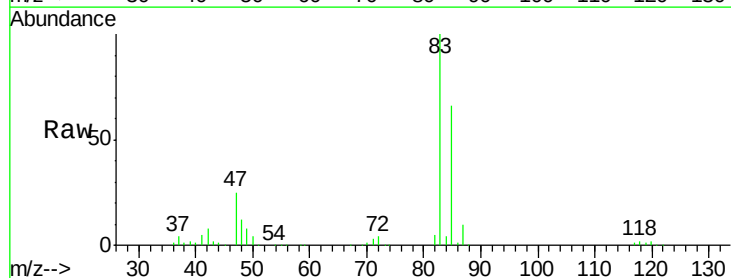
Manual Integrations
APPROVED

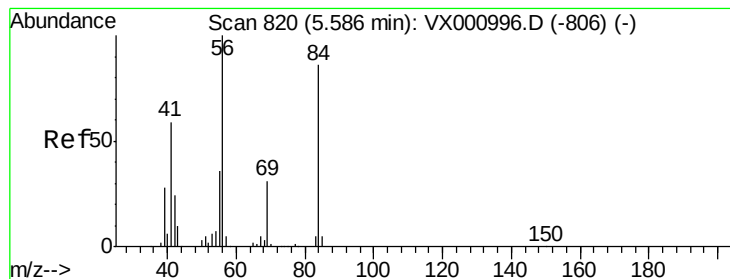
sam
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#30
Chloroform
Concen: 48.88 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.3	76.9





#31

Cyclohexane

Concen: 45.72 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

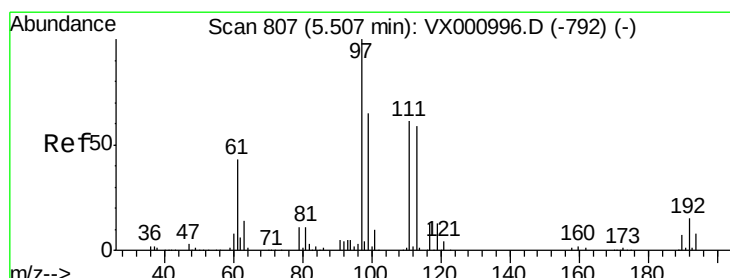
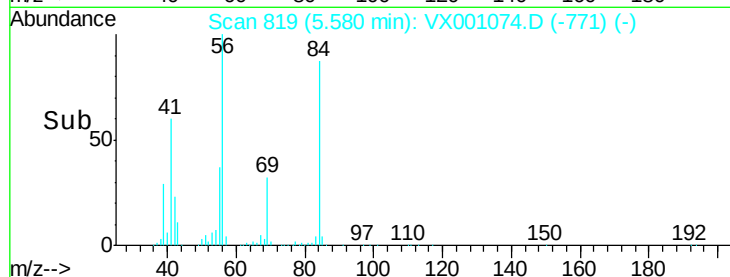
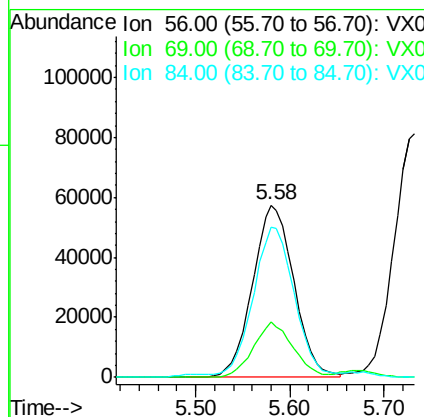
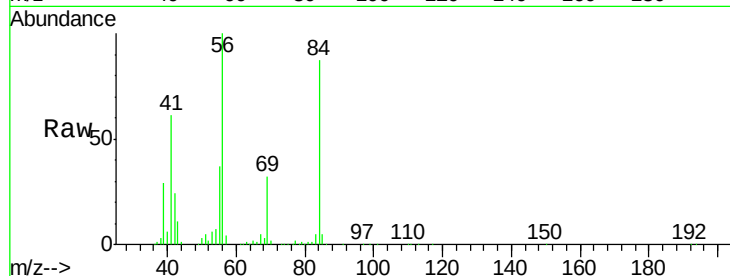
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	176356
Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.6	36.8
84	85.6	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.55 ug/l

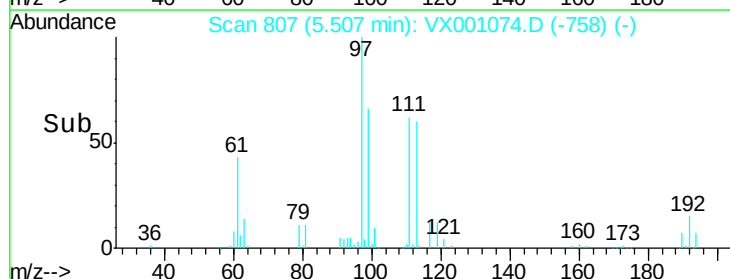
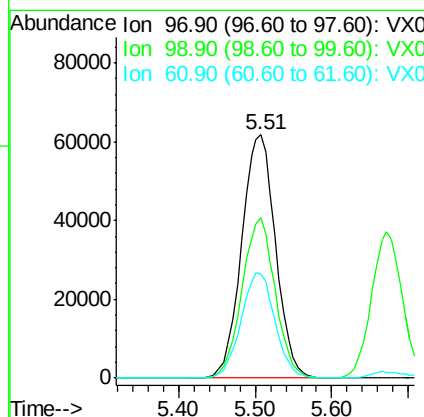
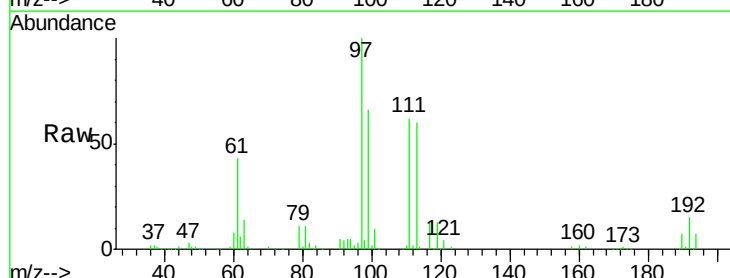
RT: 5.51 min Scan# 807

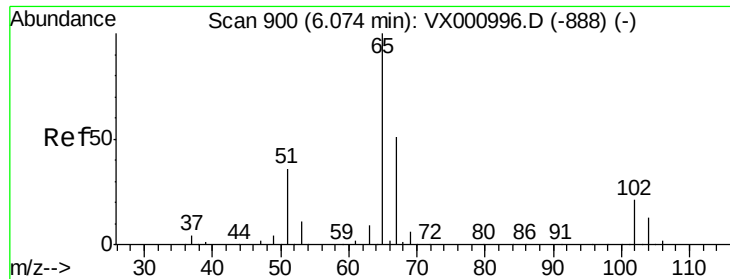
Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tgt Ion:	97	Resp:	190124
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.1	76.7
61	43.4	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 48.32 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tot Ion: 65 Resp: 132206

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

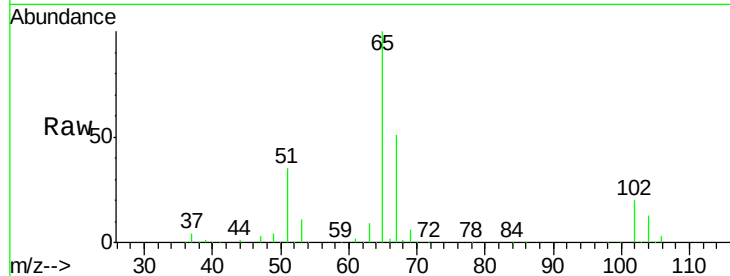
VSTDCCC050EC

Manual Integrations

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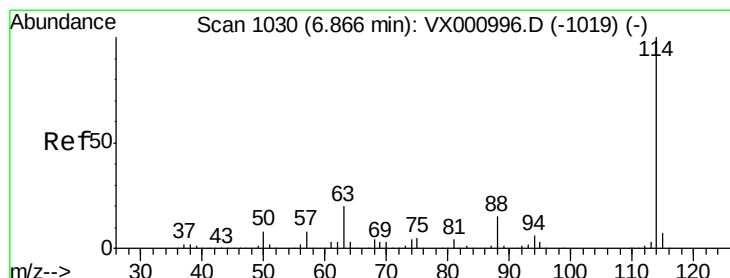
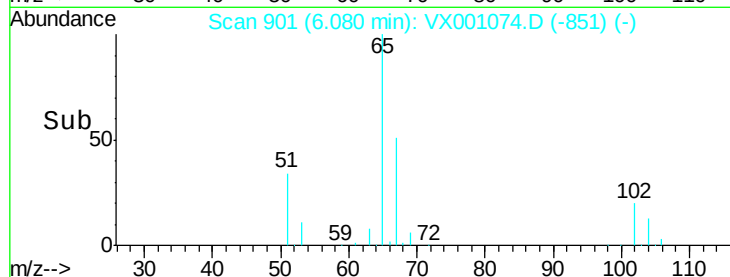
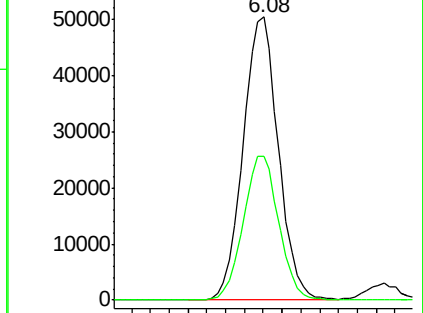
sam

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

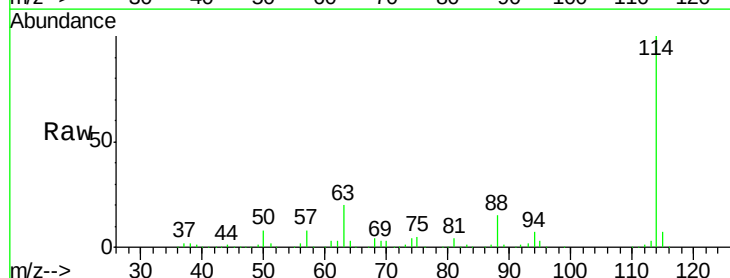
Tgt Ion: 114 Resp: 296659

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

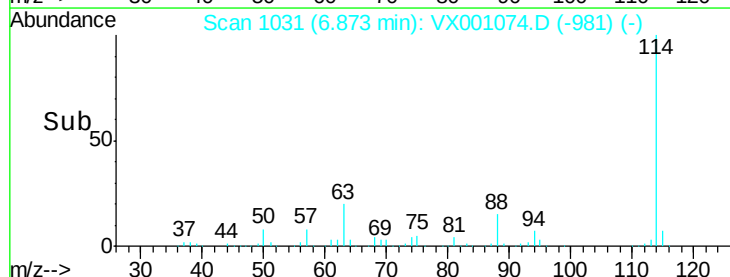
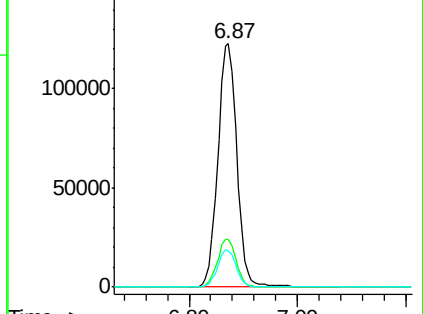
88 15.1 0.0 29.8

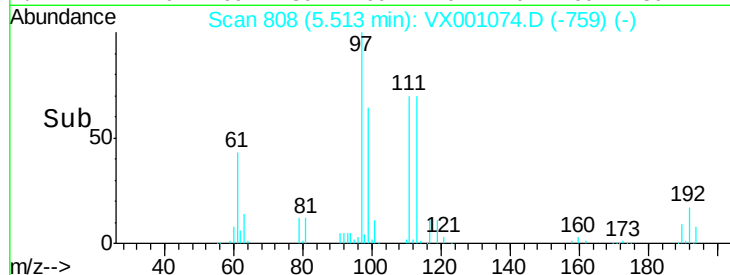
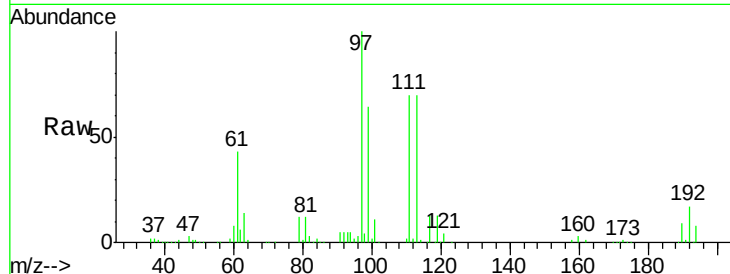
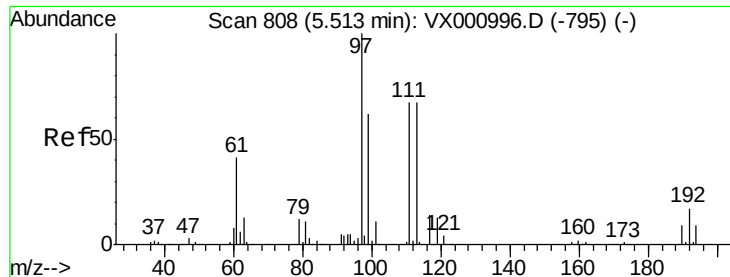


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





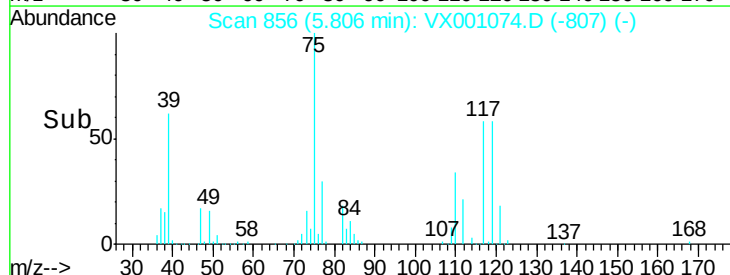
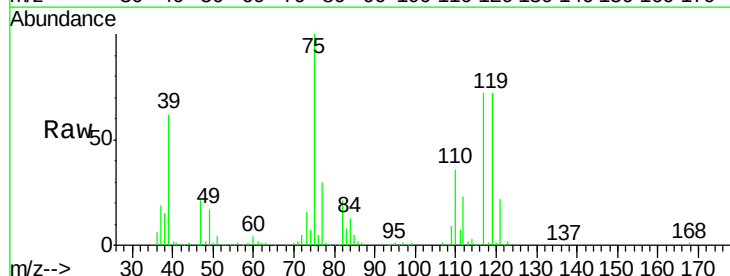
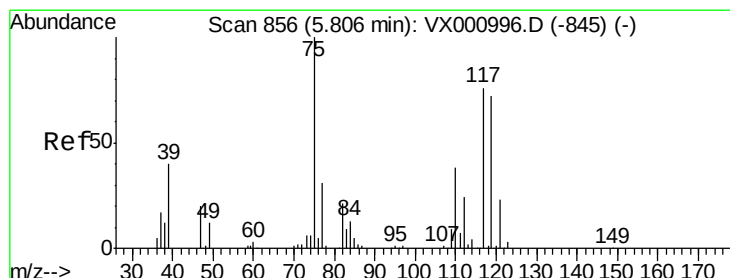
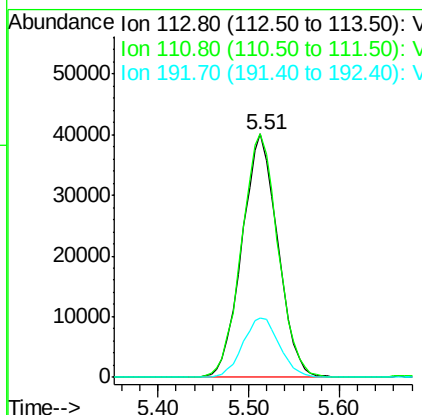
#35
Dibromofluoromethane
Concen: 48.31 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109273		
111	102.0		81.4	122.2
192	25.1		20.4	30.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

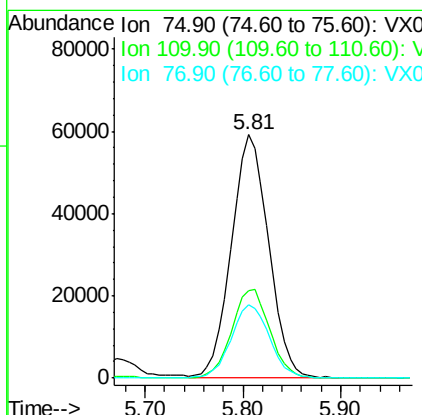
Manual Integrations
APPROVED

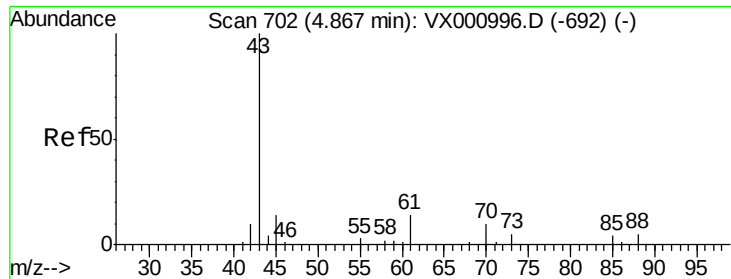
sam
4/24/2018 6:08:01 PM



#36
1,1-Dichloropropene
Concen: 44.54 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	155276		
110	37.4		18.7	56.1
77	31.2		25.0	37.4





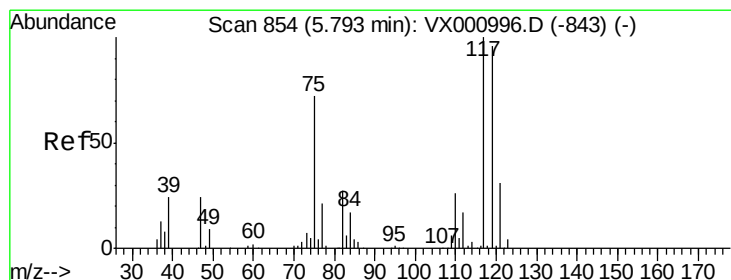
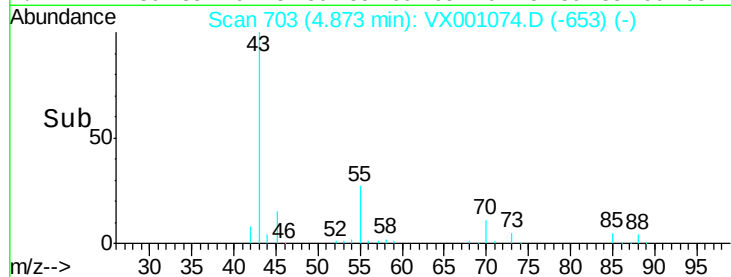
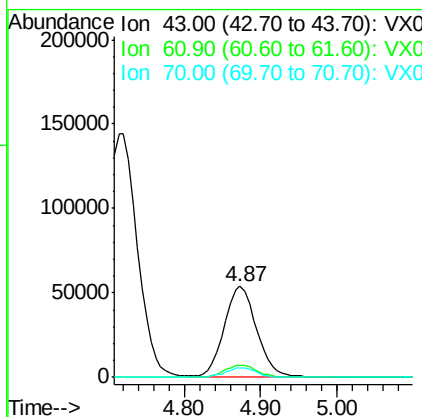
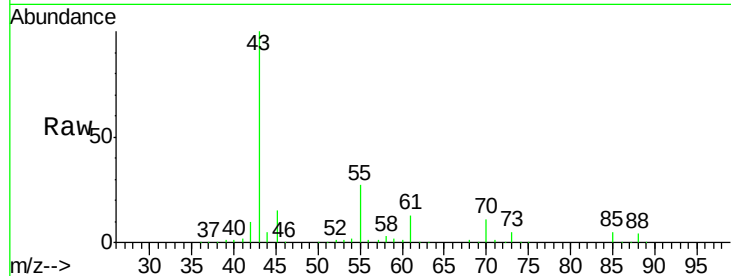
#37
Ethyl Acetate
Concen: 49.29 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.4	8.3	12.5

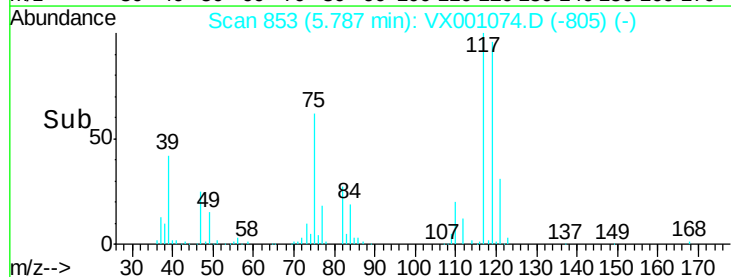
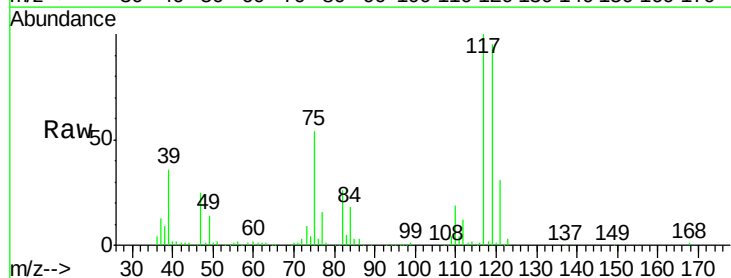
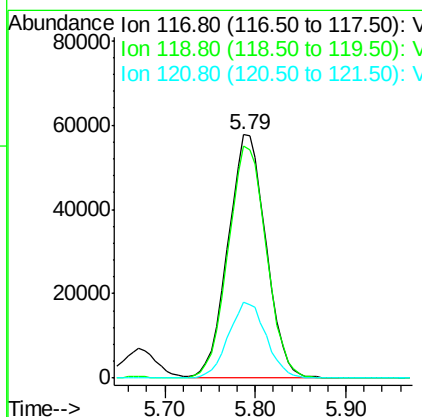
Manual Integrations
APPROVED

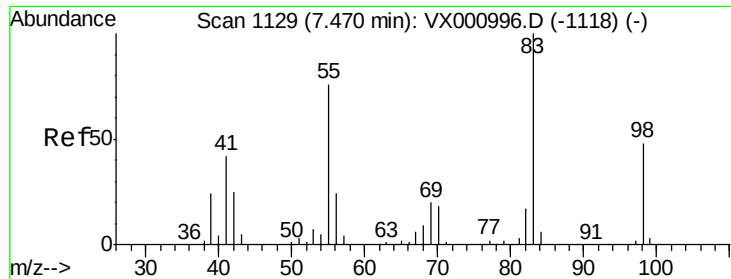
sam
4/24/2018 6:08:01 PM



#38
Carbon Tetrachloride
Concen: 47.49 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.5	114.7
121	30.9	24.5	36.7





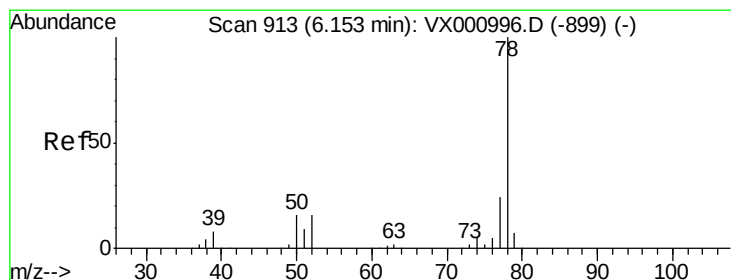
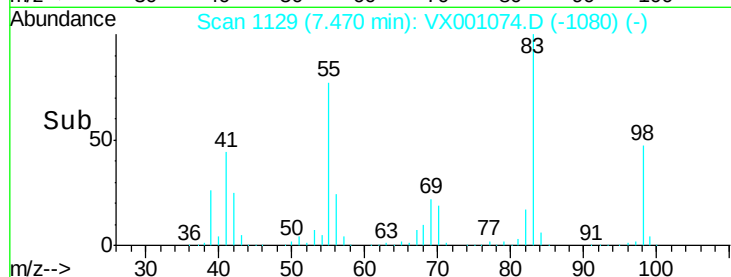
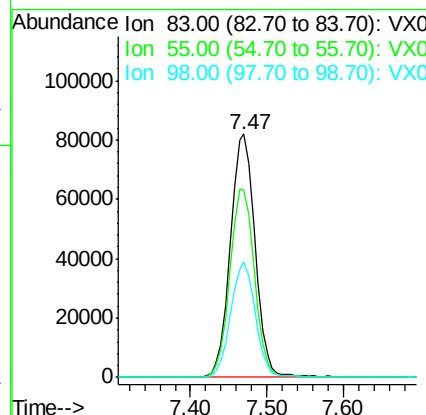
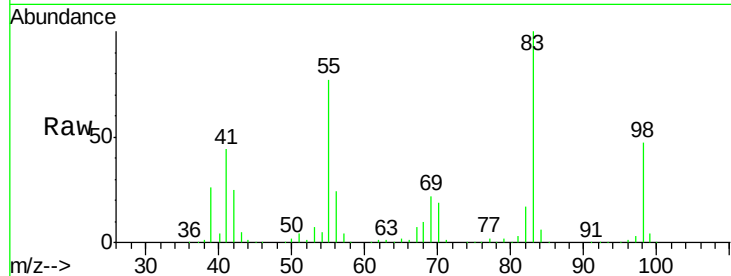
#39
Methylvlcyclohexane
Concen: 45.18 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	183352
Ion Ratio	Lower	Upper	
83	100		
55	76.7	60.6	91.0
98	47.3	38.2	57.4

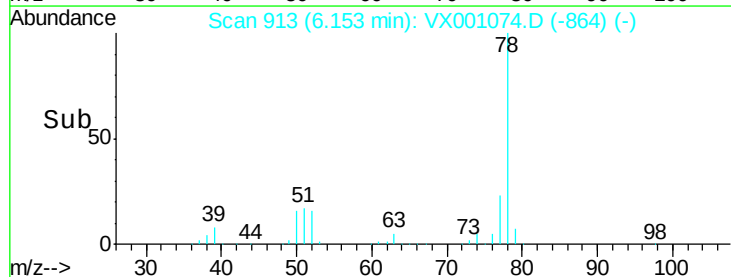
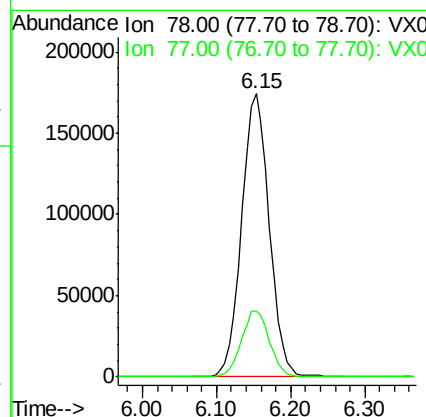
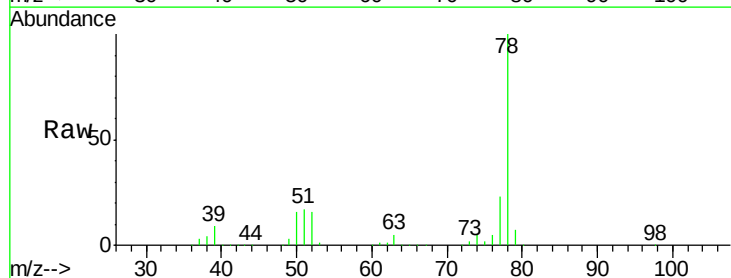
Manual Integrations
APPROVED

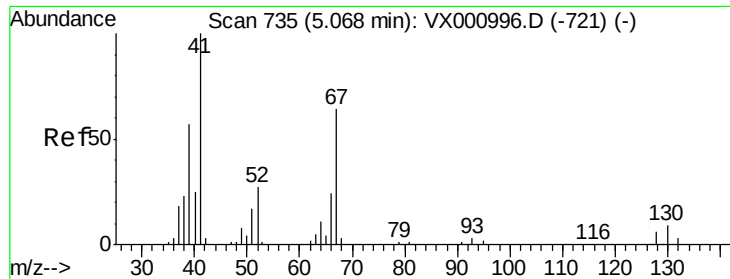
sam
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#40
Benzene
Concen: 46.85 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	78	Resp	454031
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.9	28.3





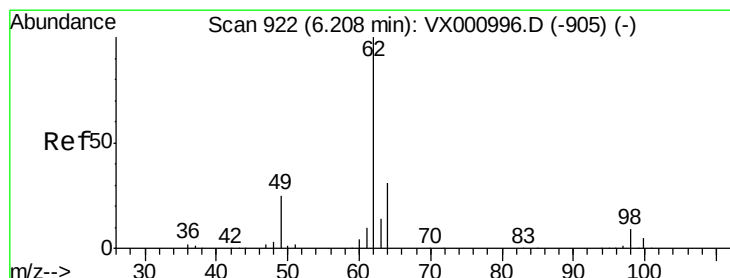
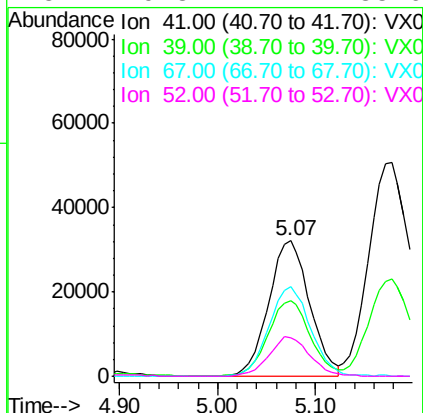
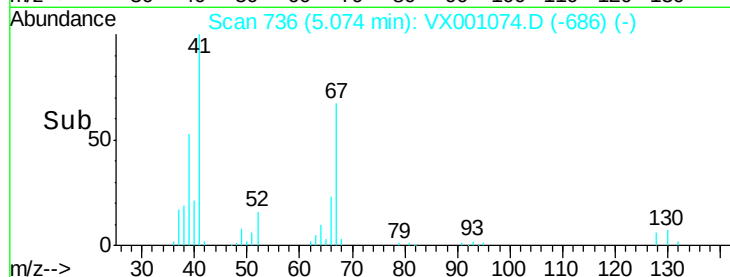
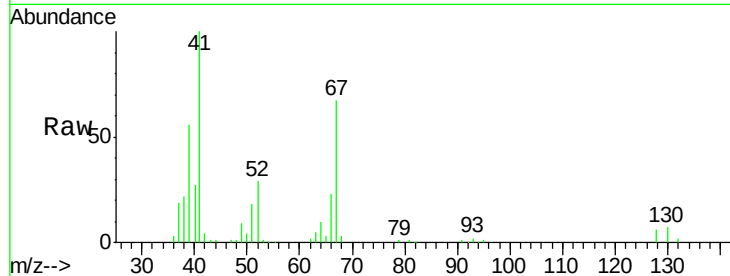
#41
Methacrylonitrile
Concen: 46.92 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.6	45.2	67.8	
67	67.8	53.8	80.8	
52	29.8	22.4	33.6	

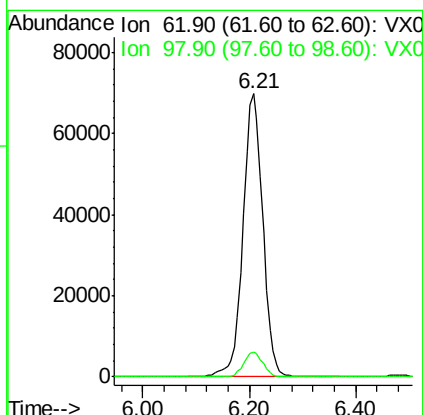
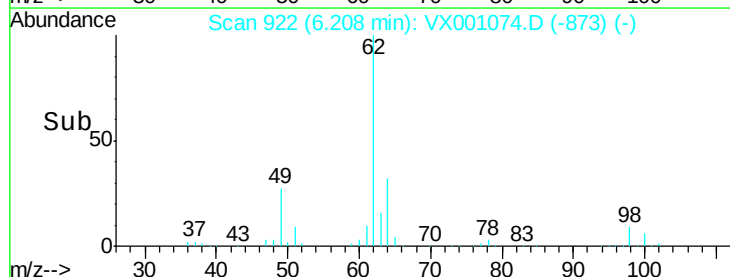
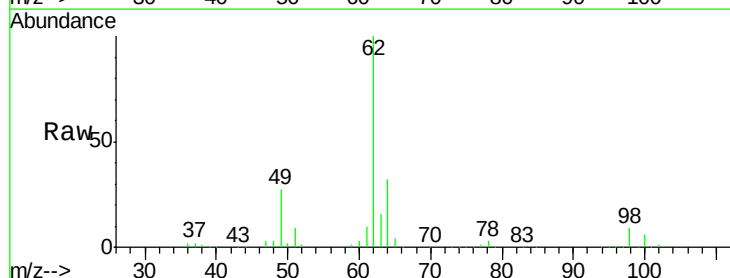
Manual Integrations
APPROVED

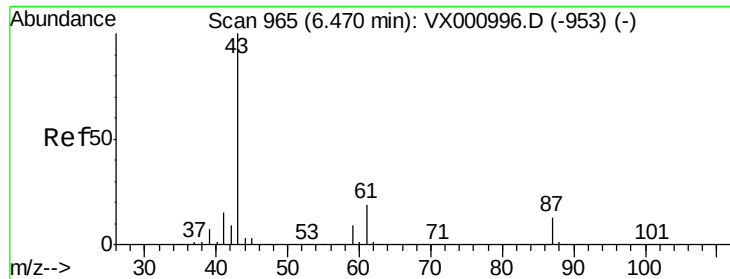
sam
4/24/2018 6:08:01 PM



#42
1,2-Dichloroethane
Concen: 48.18 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.6	





#43

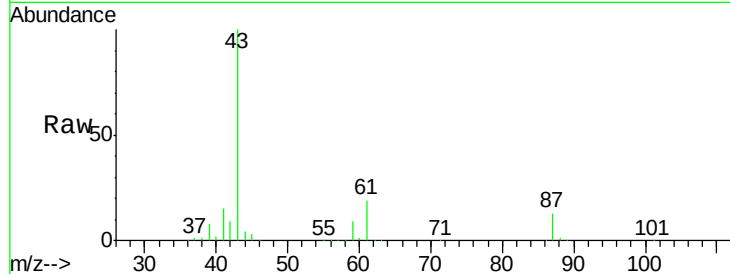
Isopropyl Acetate
 Concen: 49.23 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

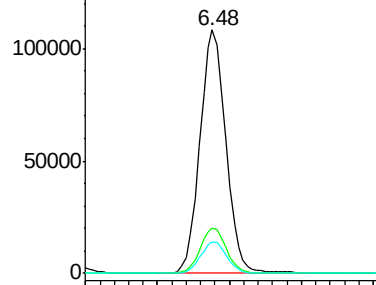
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.2
87	13.1	10.6	15.8

Manual Integrations
 APPROVED

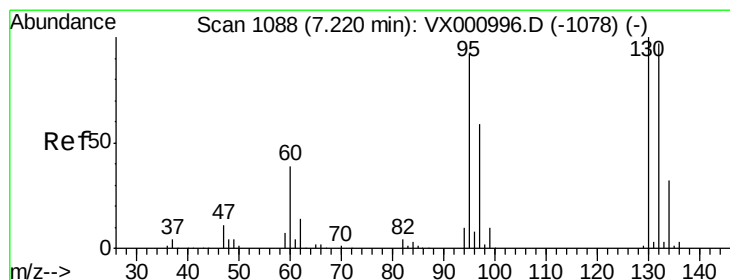
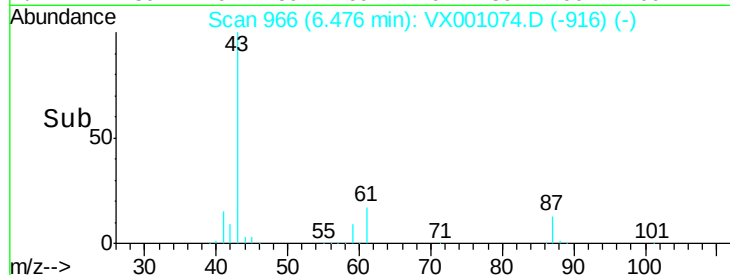
sam
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Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



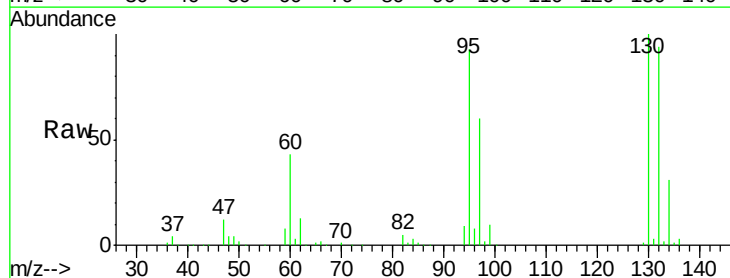
Time--> 6.30 6.40 6.50 6.60



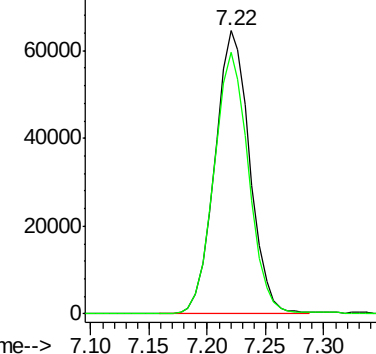
#44

Trichloroethene
 Concen: 45.38 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

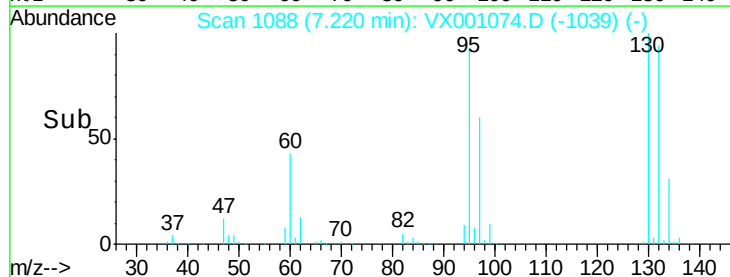
Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	184.2

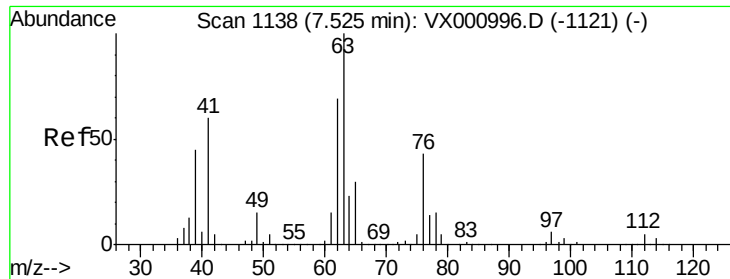


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0



Time--> 7.10 7.15 7.20 7.25 7.30





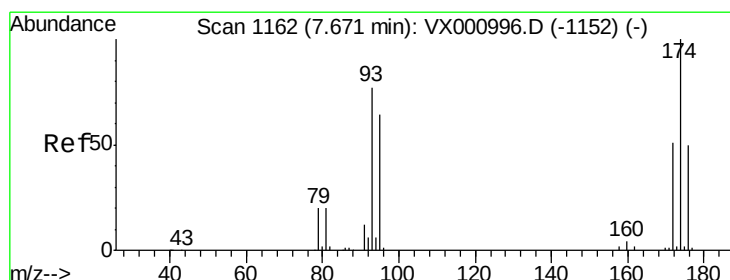
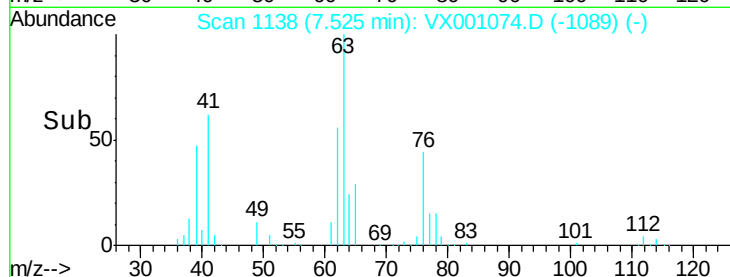
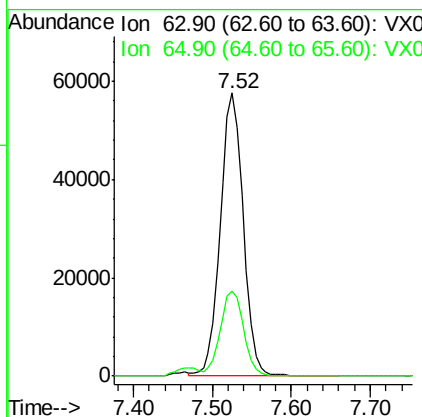
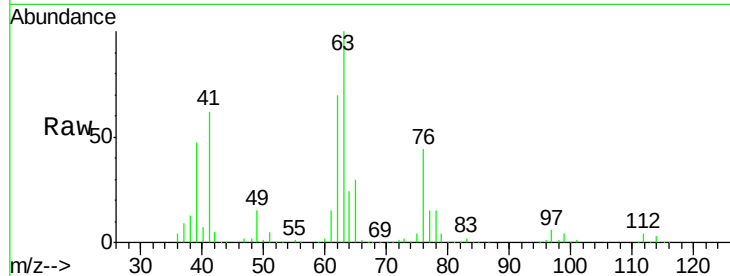
#45
 1,2-Dichloropropane
 Concen: 47.89 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 116712
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.4 36.6

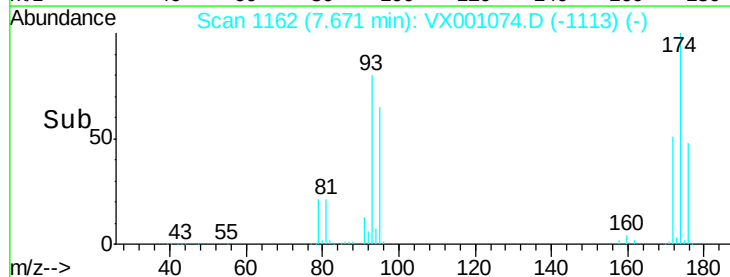
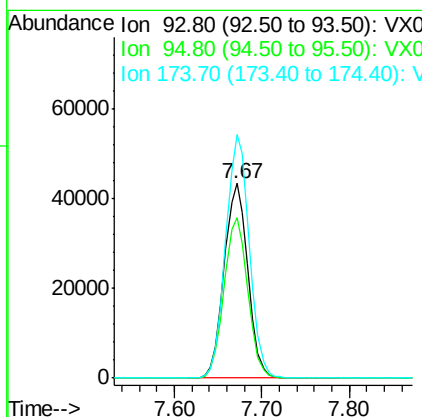
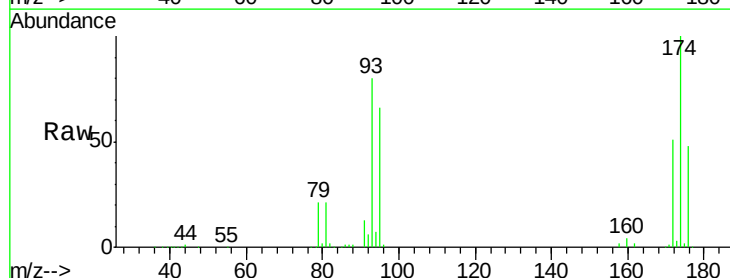
Manual Integrations
 APPROVED

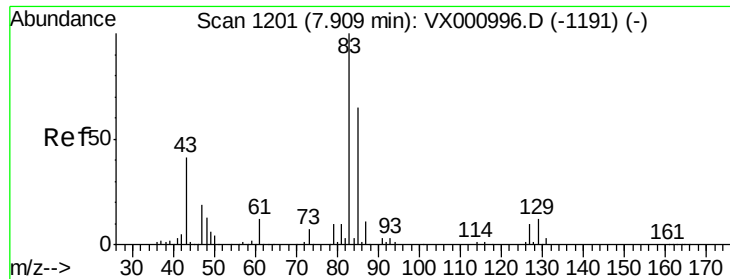
sam
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#46
 Dibromomethane
 Concen: 47.92 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Tgt Ion: 93 Resp: 81600
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.7 100.1
 174 124.9 101.8 152.6





#47

Bromodichloromethane

Concen: 49.18 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

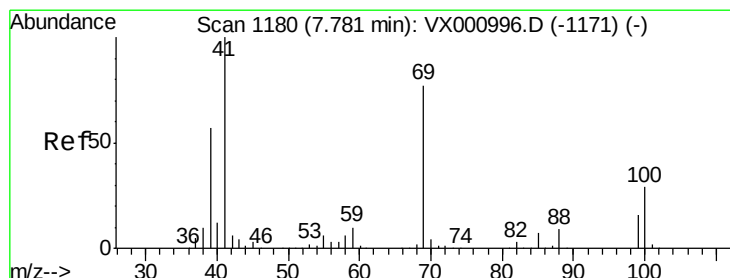
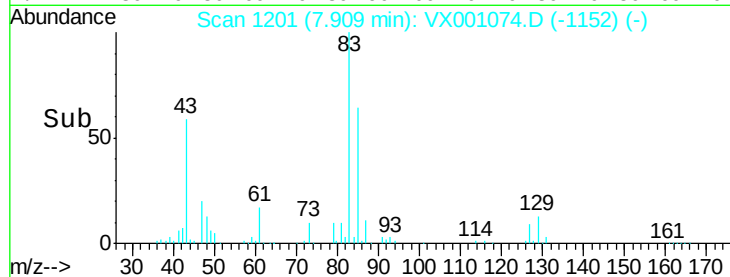
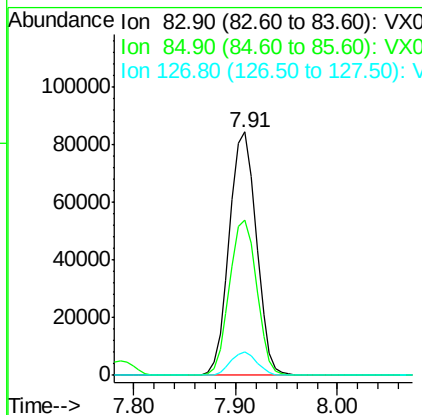
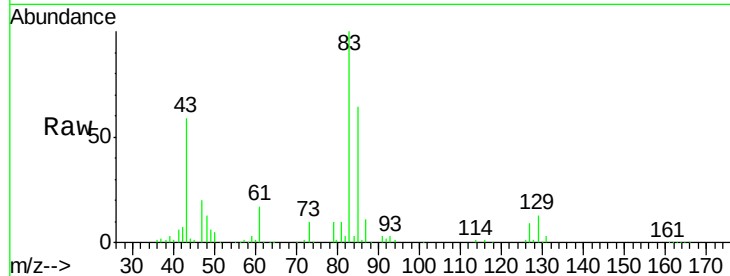
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155147
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.3	78.5
127	9.4	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.99 ug/l

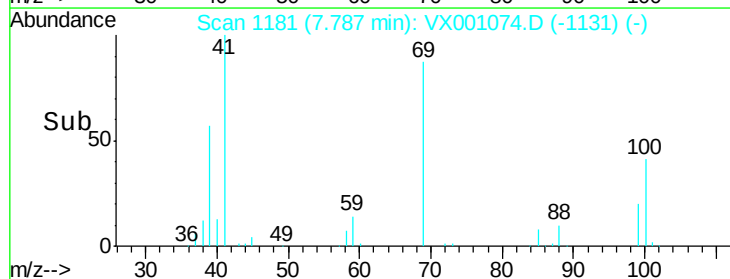
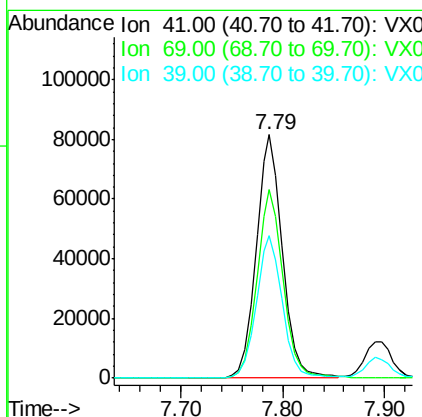
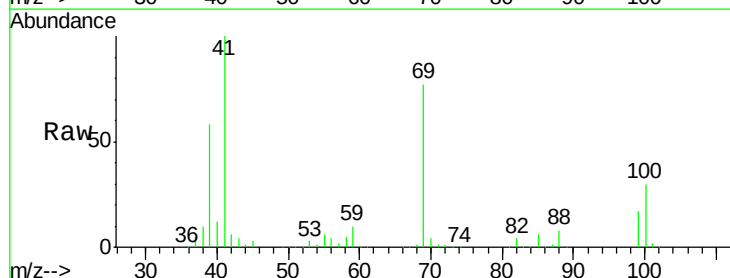
RT: 7.79 min Scan# 1181

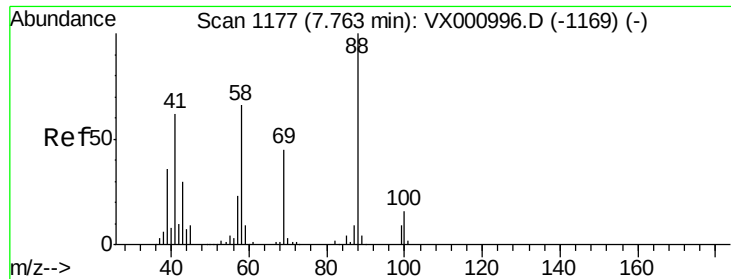
Delta R.T. 0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tgt Ion:	41	Resp:	144713
Ion Ratio	Lower	Upper	
41	100		
69	78.0	62.6	94.0
39	58.3	45.3	67.9





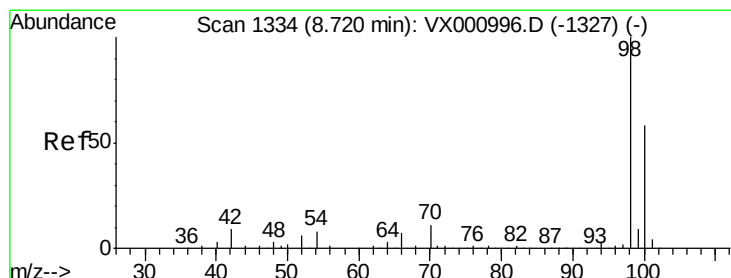
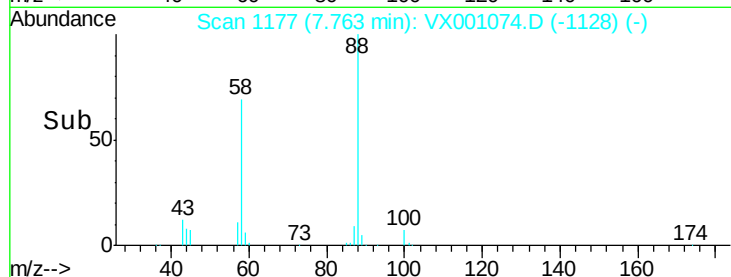
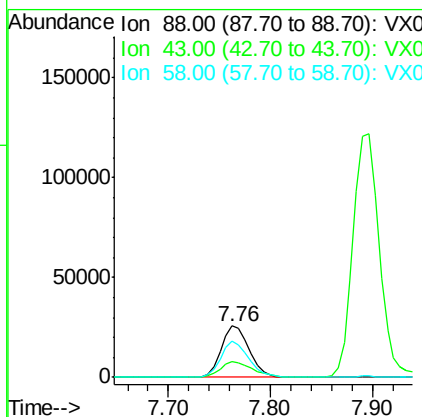
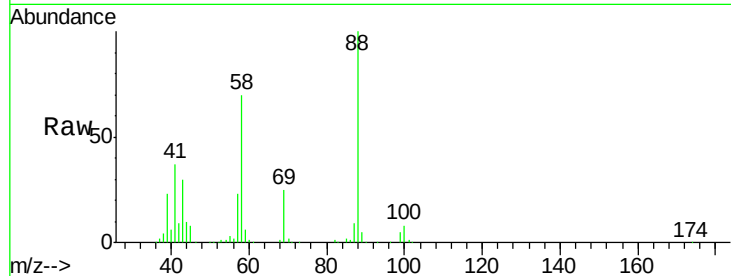
#49
 1,4-Dioxane
 Concen: 1130.15 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	49095
Ion Ratio	Lower	Upper	
88	100		
43	35.4	29.2	43.8
58	70.2	55.0	82.6

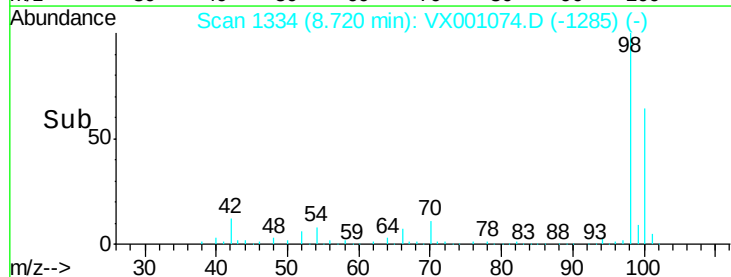
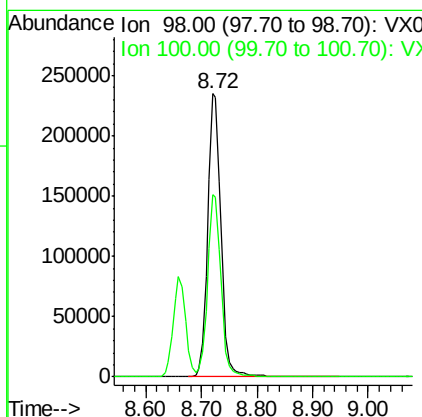
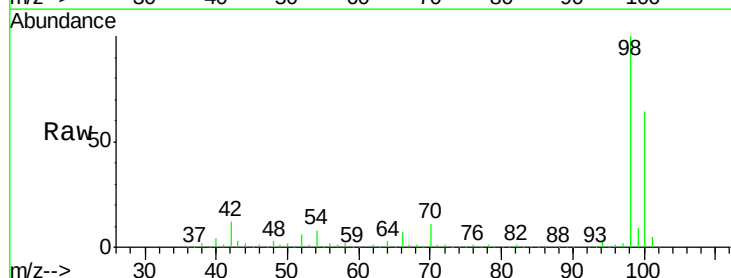
Manual Integrations
 APPROVED

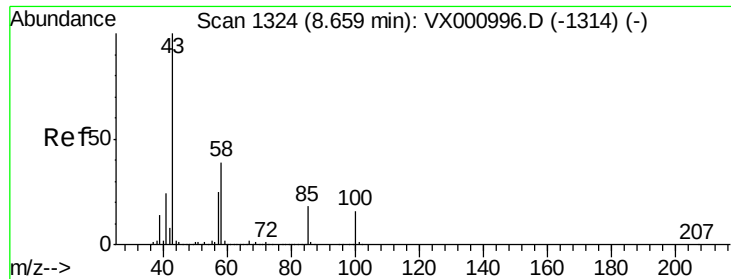
sam
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#50
 Toluene-d8
 Concen: 47.02 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Tgt Ion	98	Resp	393337
Ion Ratio	Lower	Upper	
98	100		
100	65.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 259.26 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 863615

Ion Ratio Lower Upper

43 100

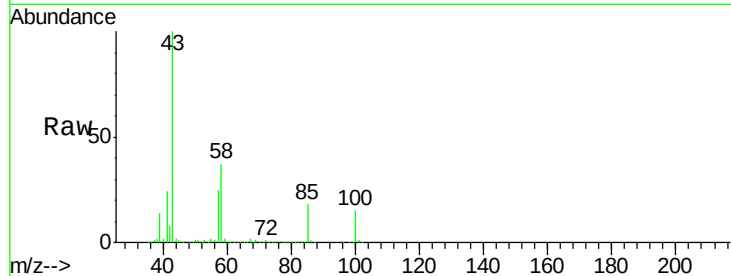
58 37.0 30.2 45.4

Manual Integrations

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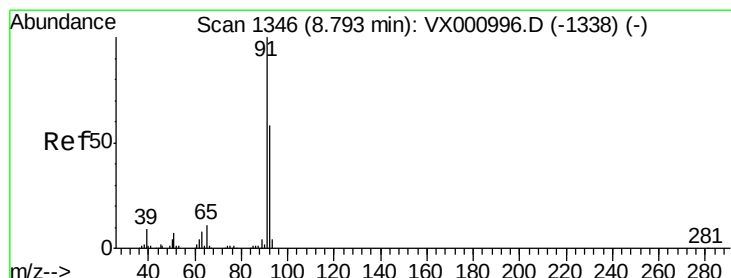
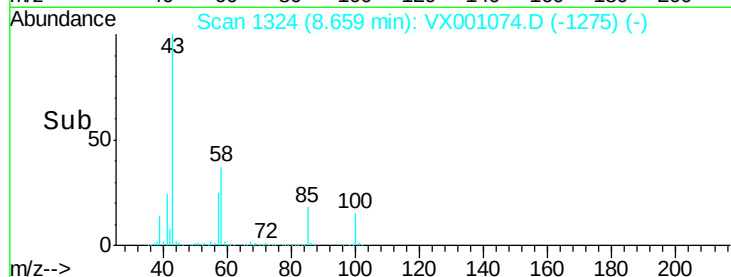
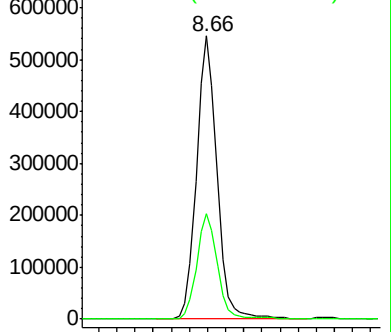
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.44 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001074.D

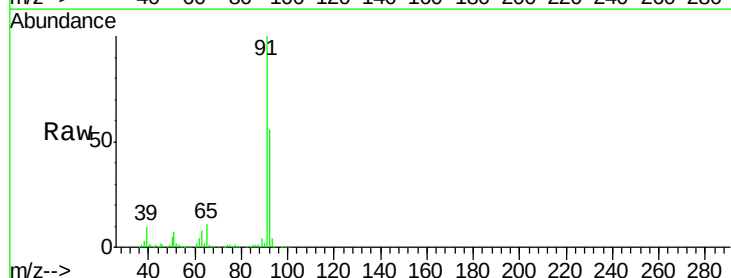
Acq: 23 Apr 2018 21:51

Tgt Ion: 92 Resp: 300073

Ion Ratio Lower Upper

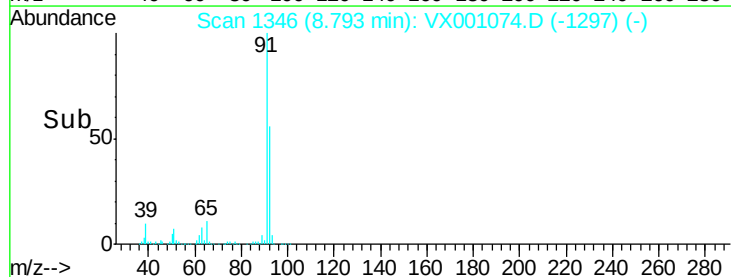
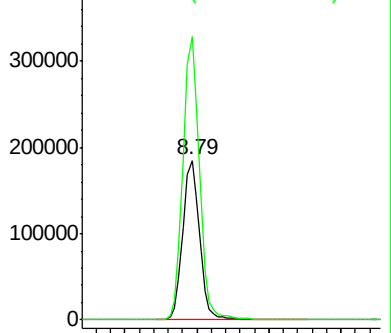
92 100

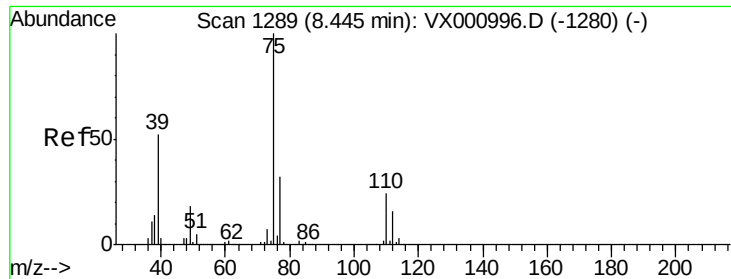
91 174.7 138.2 207.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 48.75 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 183901

Ion Ratio Lower Upper

75 100

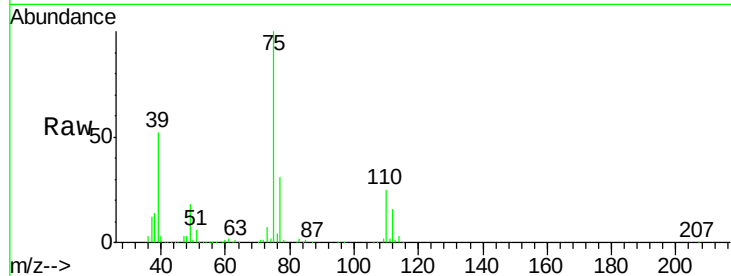
77 31.2 25.8 38.6

Manual Integrations

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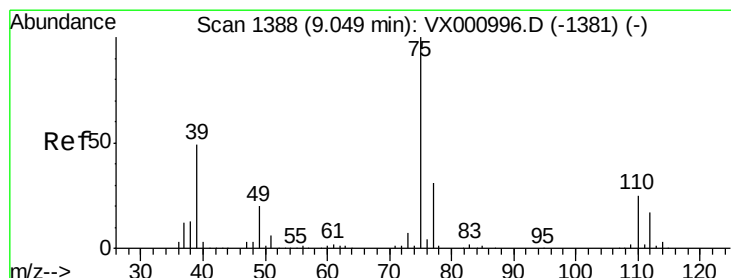
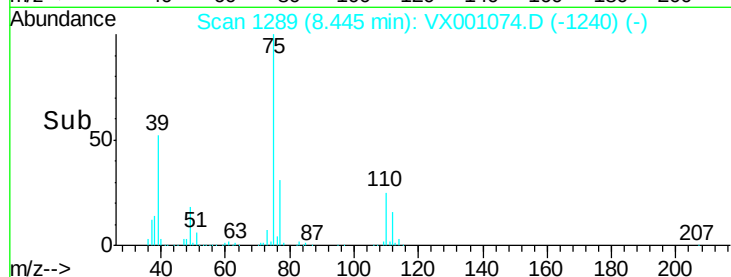
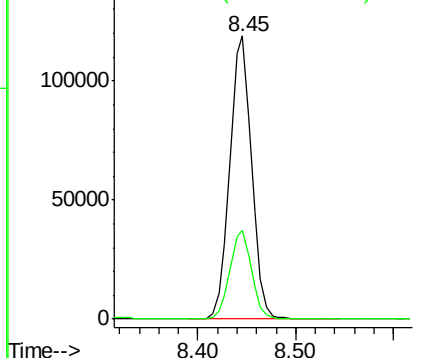
sam

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 49.21 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

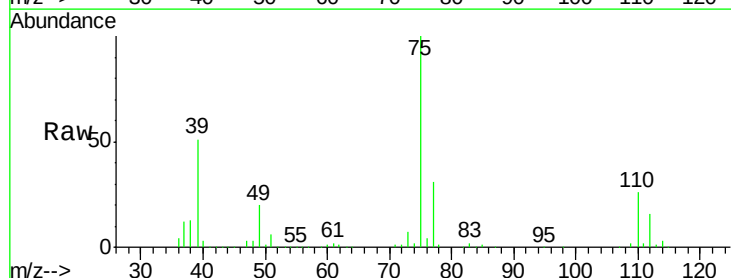
Tgt Ion: 75 Resp: 175056

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6

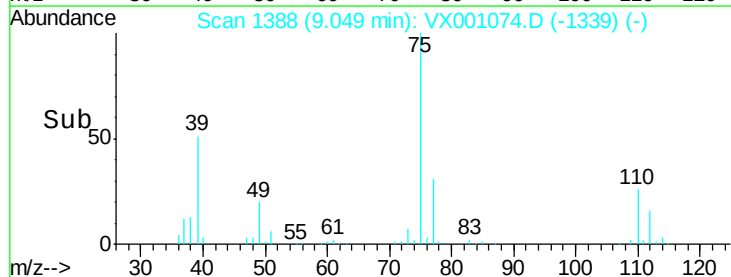
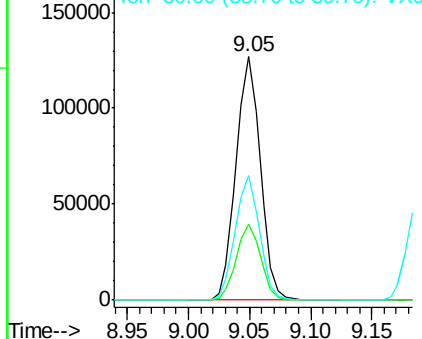
39 51.1 39.2 58.8

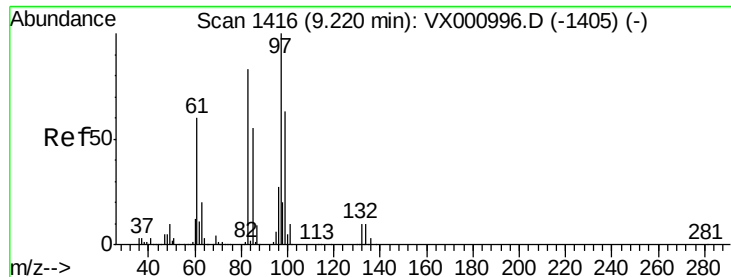


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





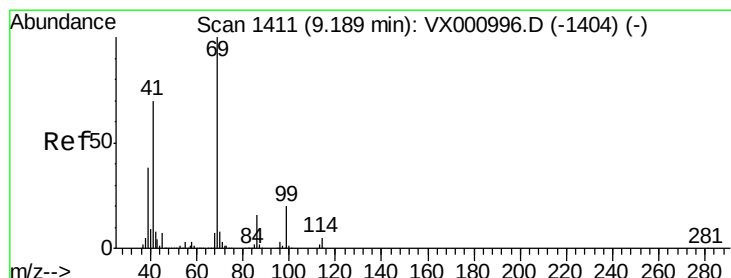
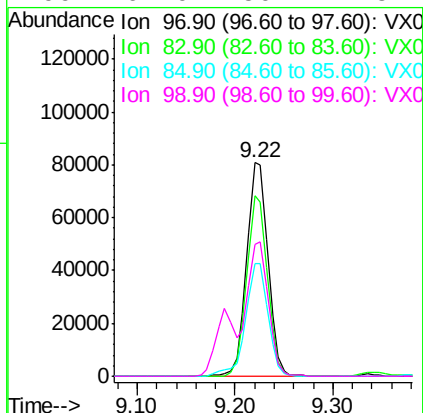
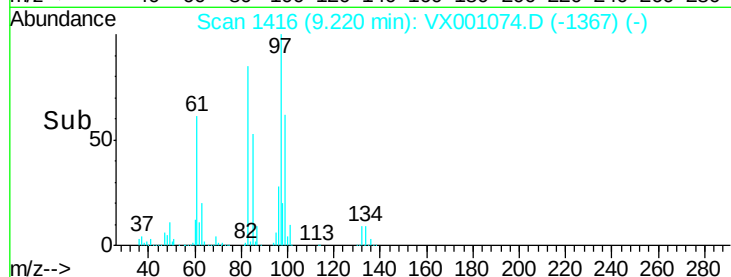
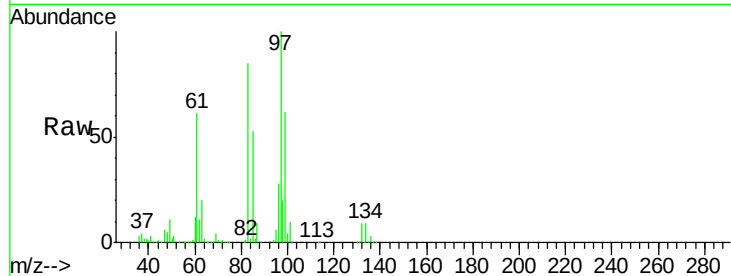
#55
 1,1,2-Trichloroethane
 Concen: 48.75 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		122577		
83	84.6	66.2	99.4		
85	52.8	44.2	66.4		
99	62.0	50.2	75.4		

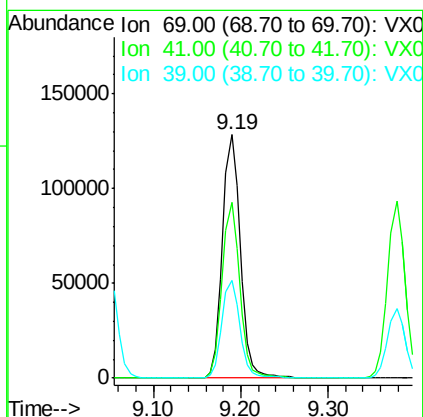
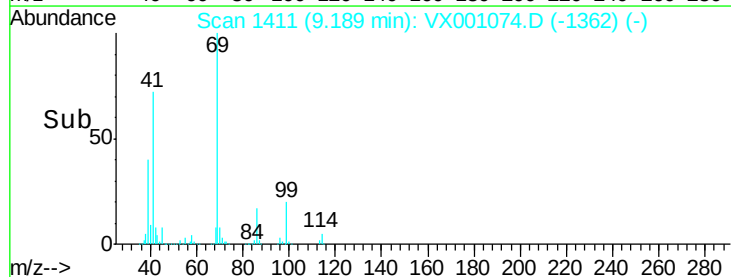
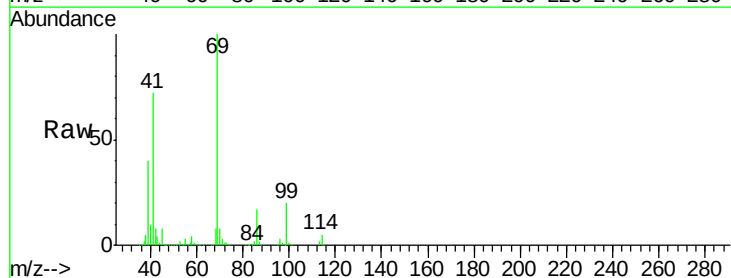
Manual Integrations
 APPROVED

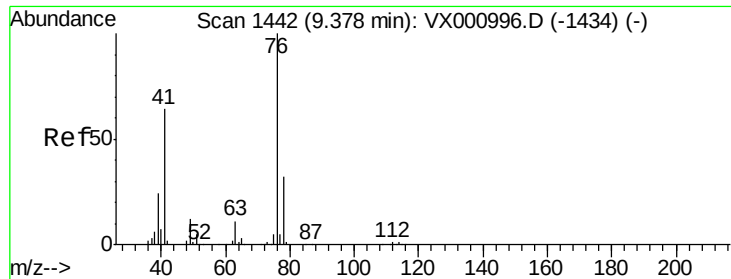
sam
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#56
 Ethyl methacrylate
 Concen: 49.56 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		183036		
41	71.0	56.3	84.5		
39	40.4	30.4	45.6		





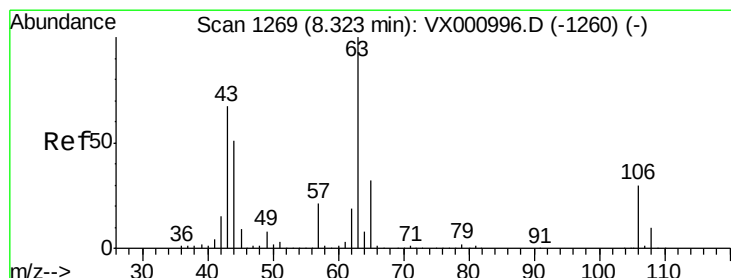
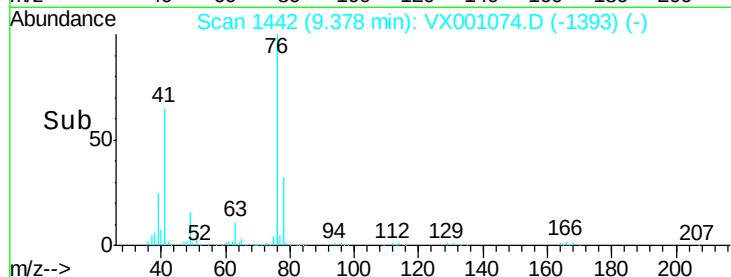
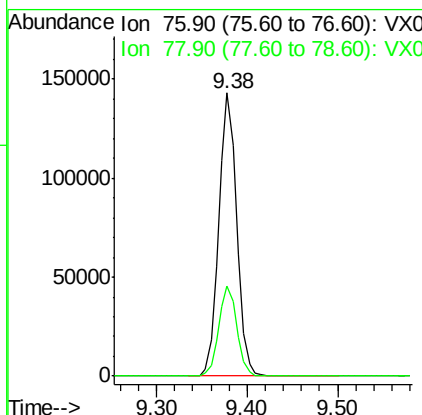
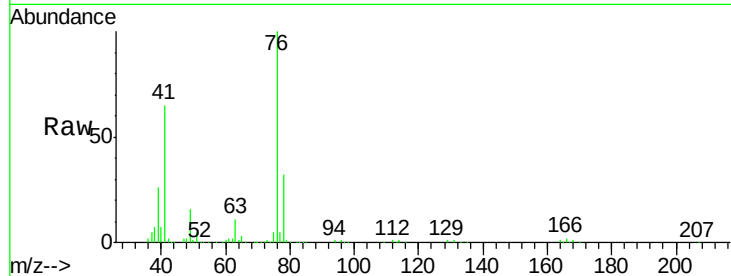
#57
 1,3-Dichloropropane
 Concen: 47.41 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

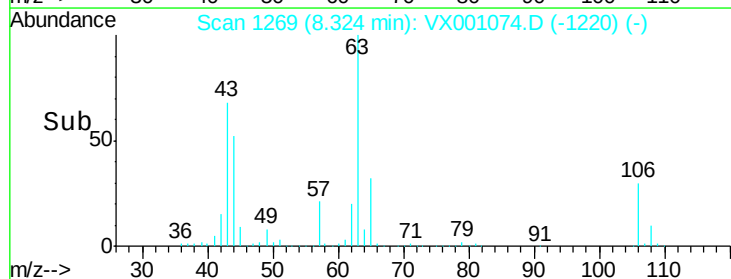
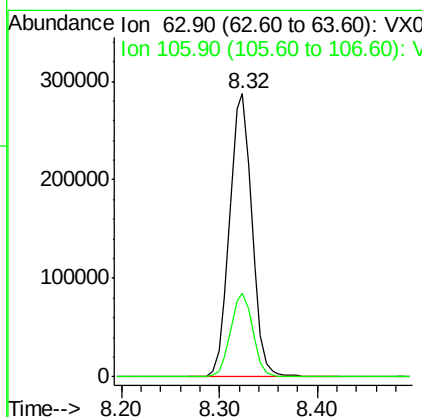
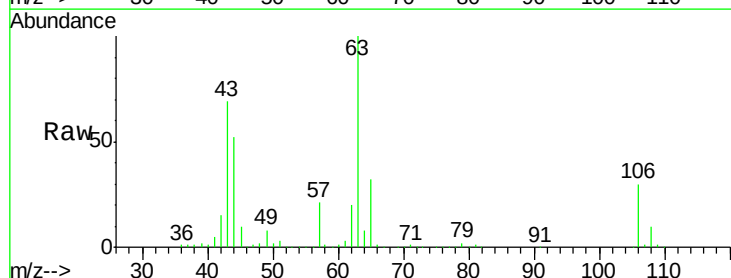
Manual Integrations
 APPROVED

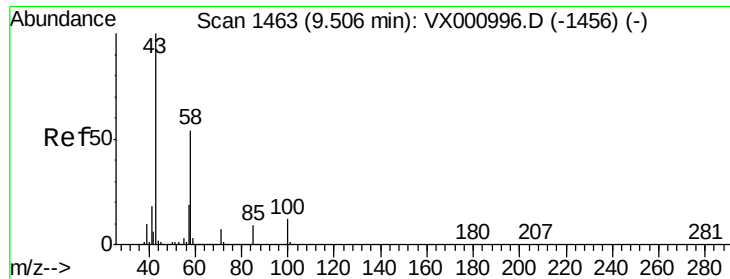
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 252.43 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.8	35.6





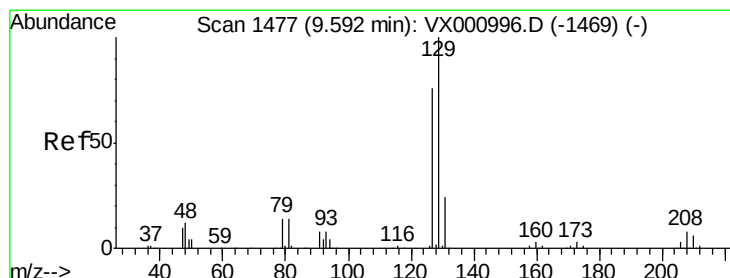
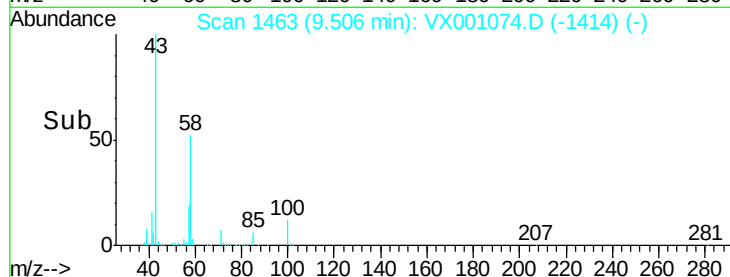
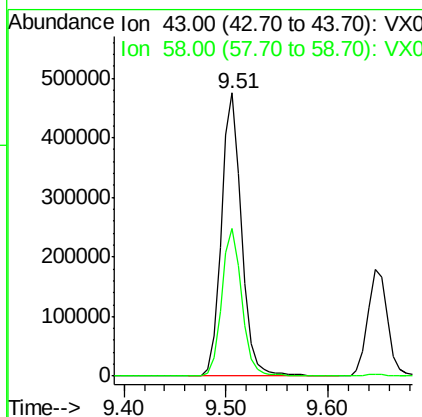
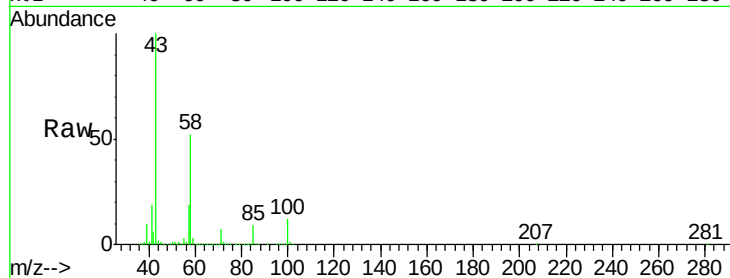
#59
2-Hexanone
Concen: 256.58 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 654216
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.9

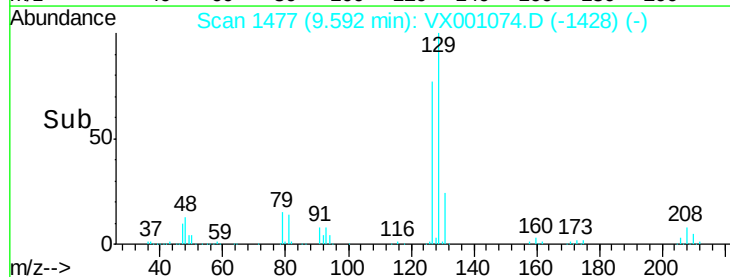
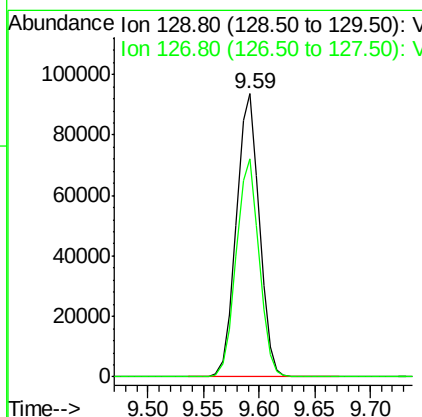
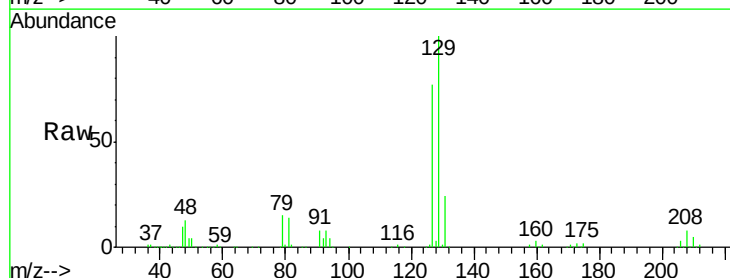
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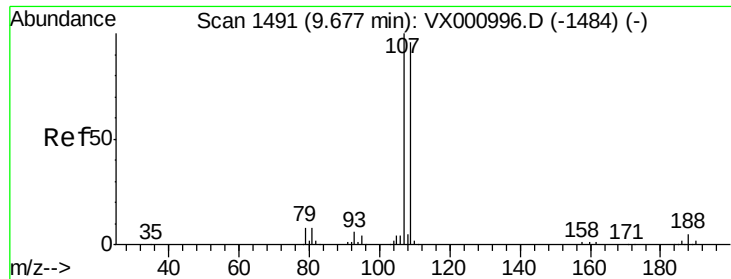
sam
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#60
Dibromochloromethane
Concen: 50.76 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion: 129 Resp: 134051
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 49.00 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 130011

Ion Ratio Lower Upper

107 100

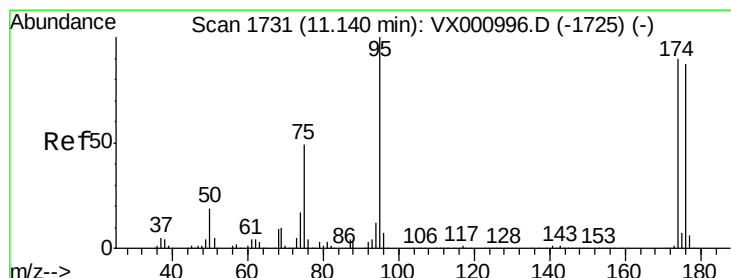
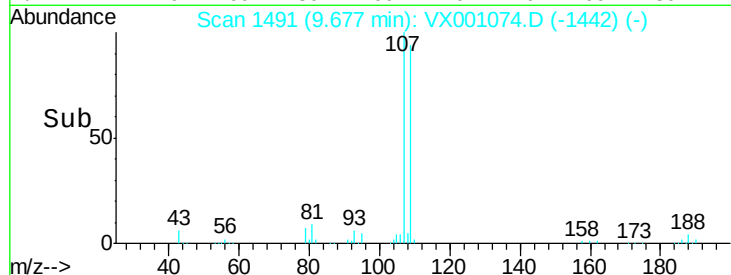
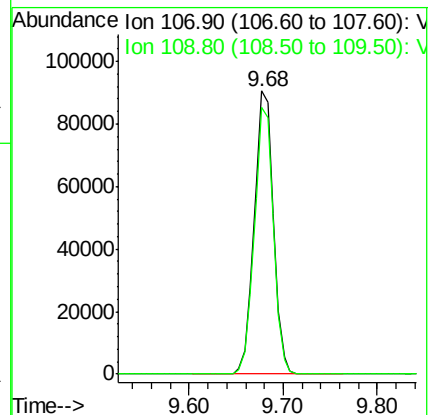
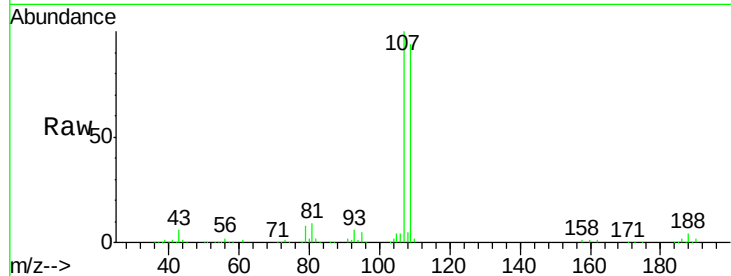
109 94.0 76.0 114.0

Manual Integrations

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sam

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#62

4-Bromofluorobenzene

Concen: 46.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

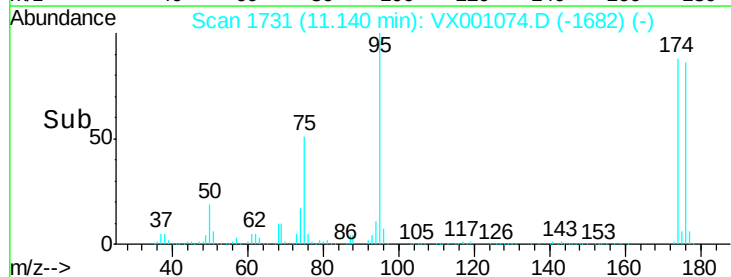
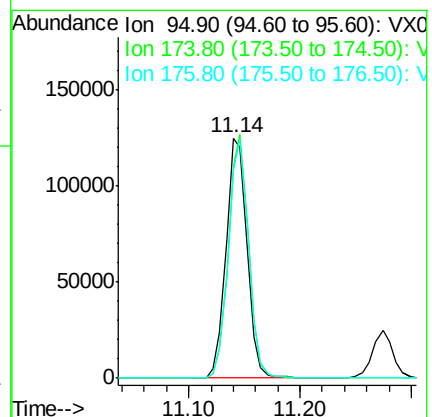
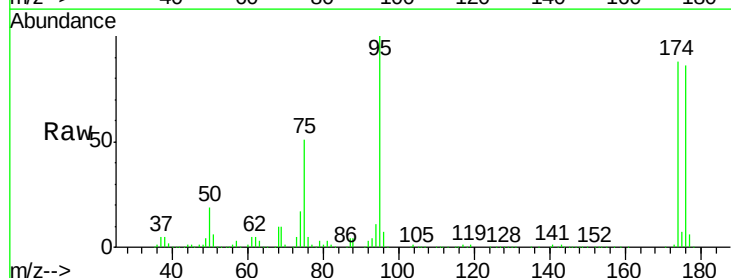
Tgt Ion: 95 Resp: 162989

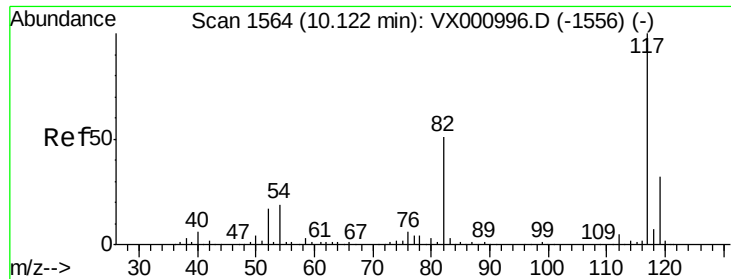
Ion Ratio Lower Upper

95 100

174 97.3 0.0 198.4

176 95.0 0.0 192.0





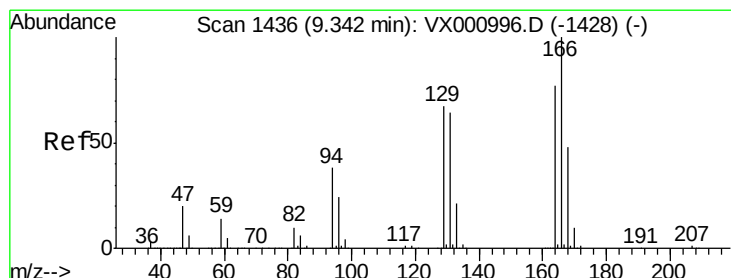
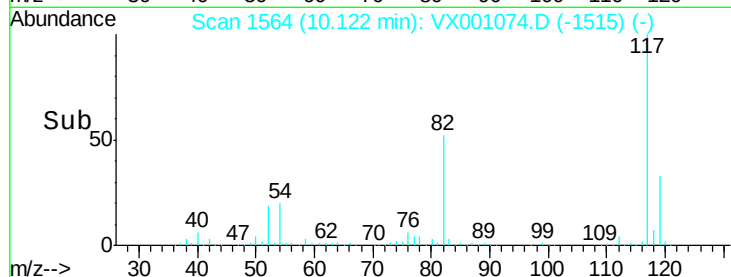
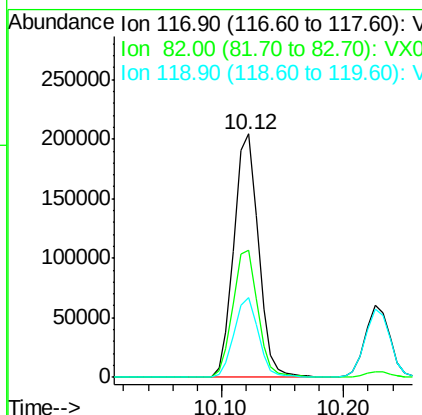
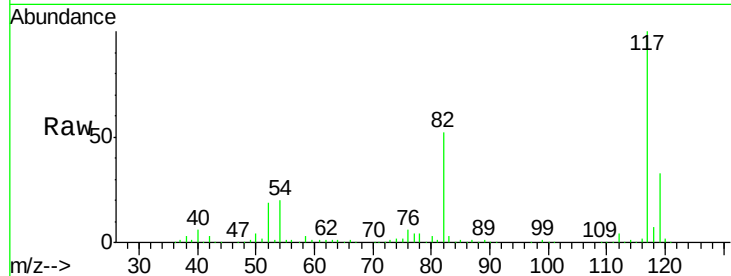
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	40.6	60.8
119	32.7	26.0	39.0

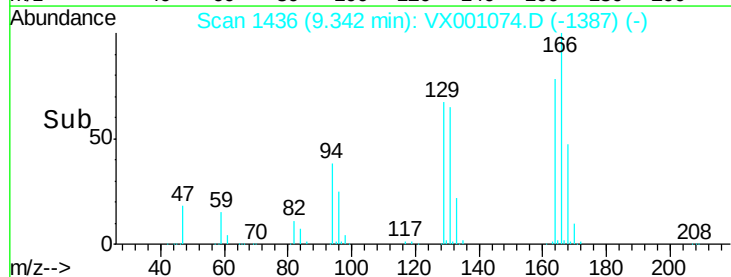
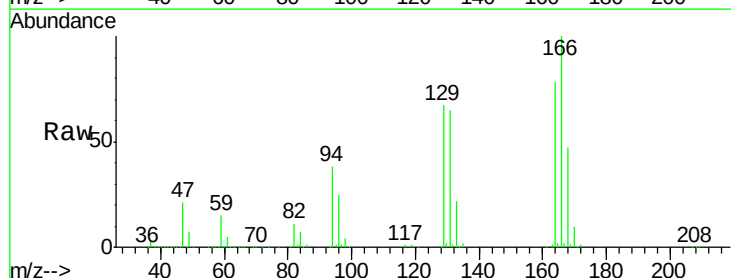
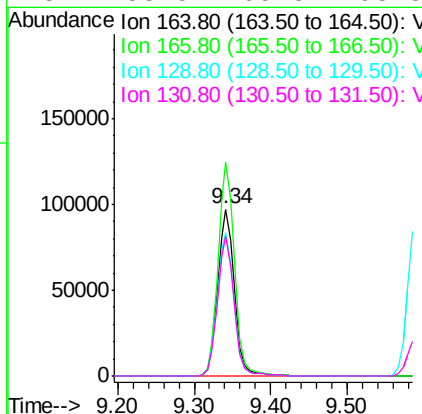
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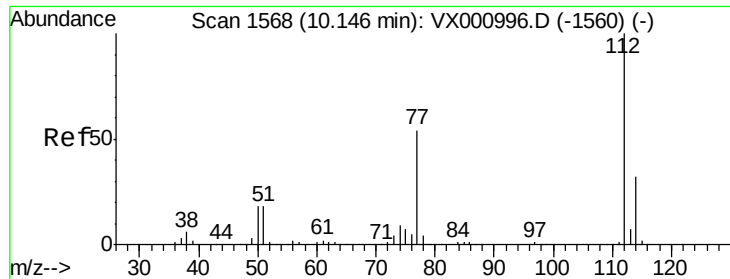
sam
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#64
Tetrachloroethene
Concen: 47.96 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.5	155.3
129	86.1	69.6	104.4
131	83.5	65.8	98.8





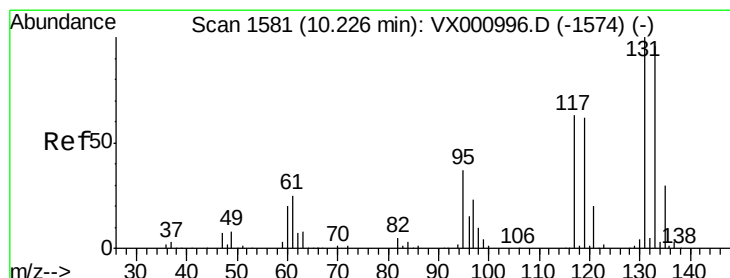
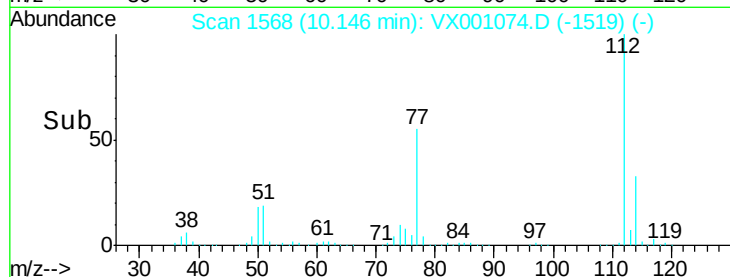
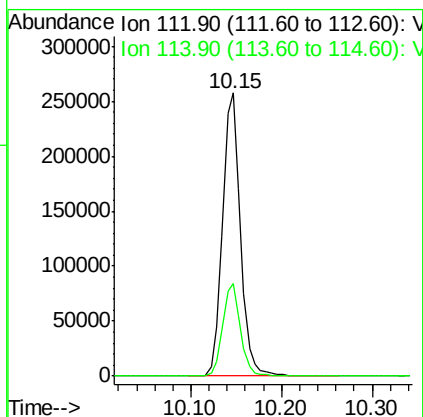
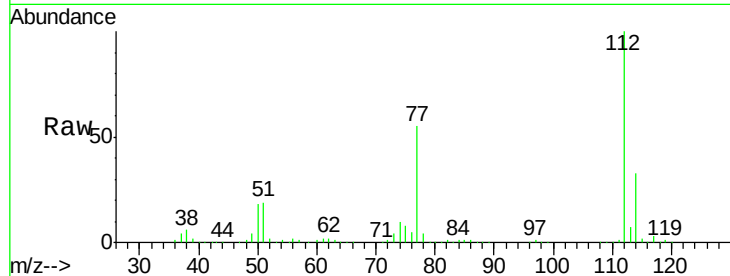
#65
Chlorobenzene
Concen: 47.03 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 357117
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3

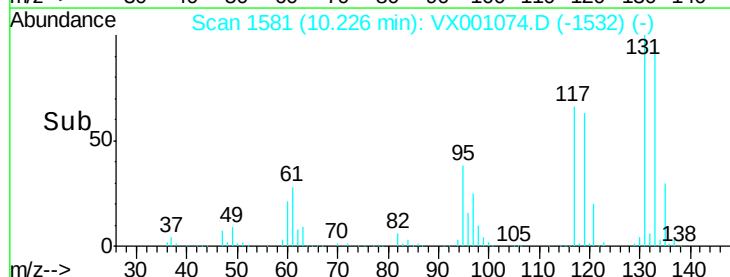
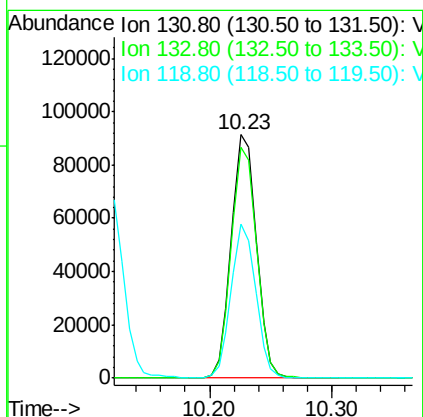
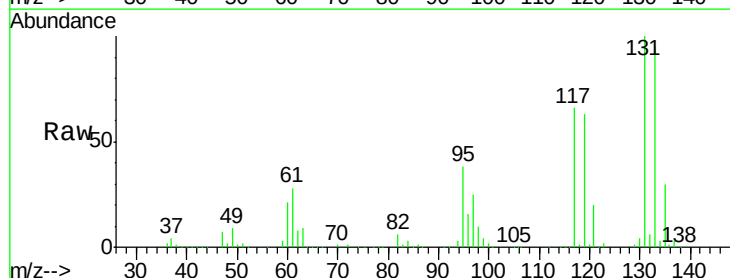
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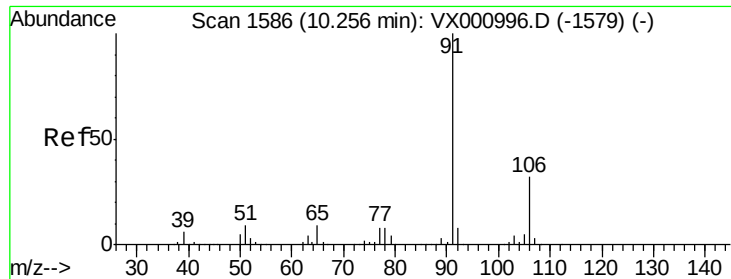
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.90 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion:131 Resp: 130078
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.8
119 62.3 31.1 93.2





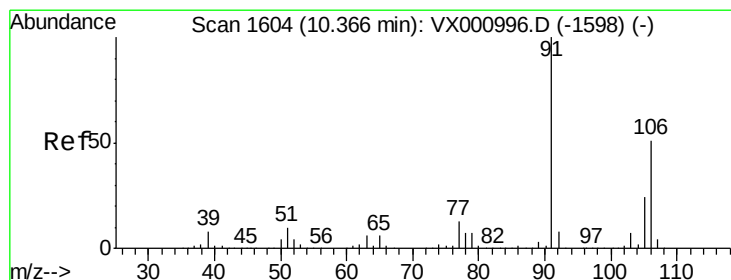
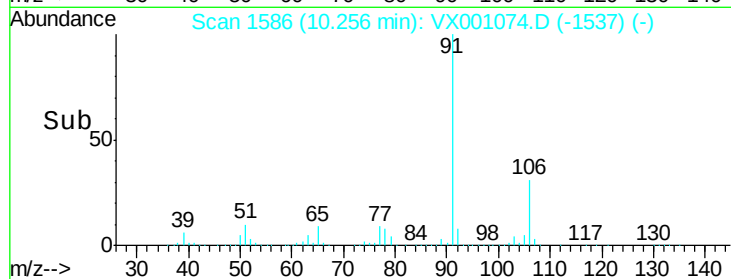
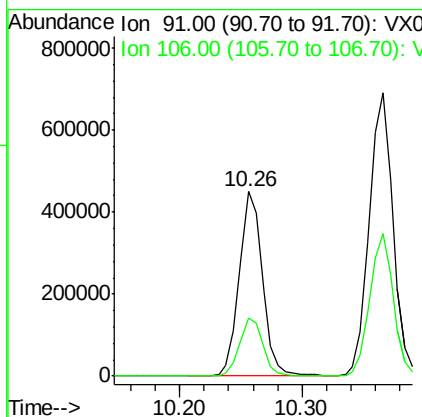
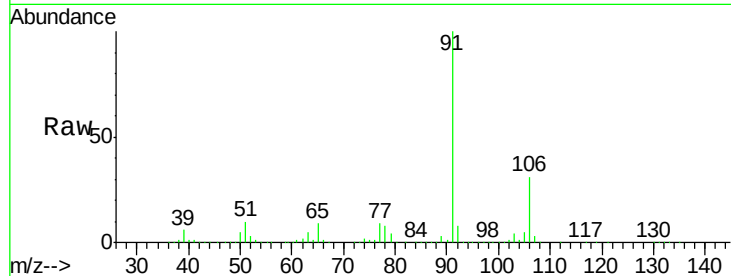
#67
Ethyl Benzene
Concen: 47.01 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 592870
Ion Ratio Lower Upper
91 100
106 31.3 25.7 38.5

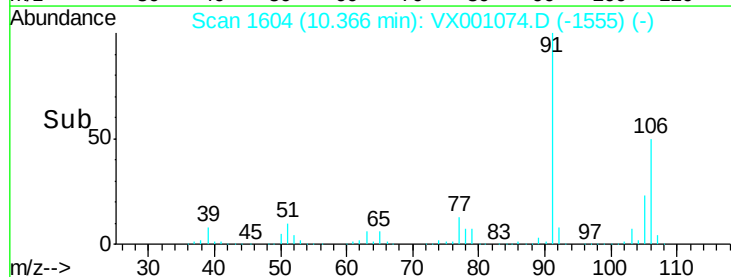
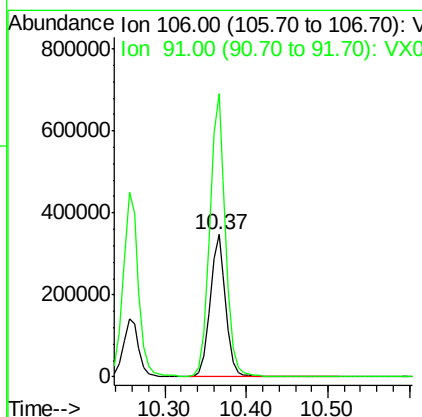
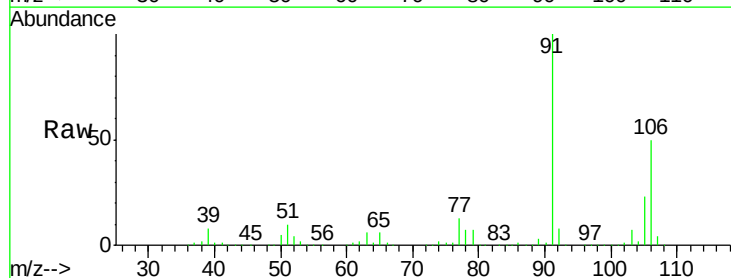
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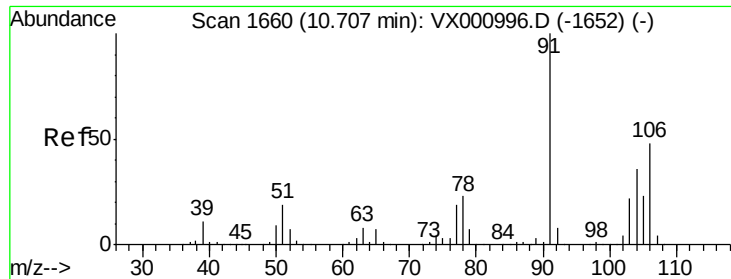
sam
4/24/2018 6:08:01 PM



#68
m/p-Xylenes
Concen: 94.33 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion: 106 Resp: 468861
Ion Ratio Lower Upper
106 100
91 200.7 159.3 238.9





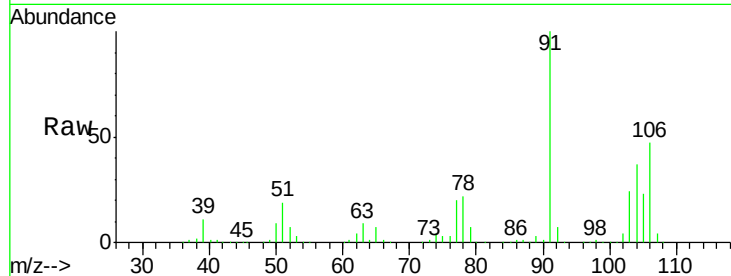
#69
o-Xylene
Concen: 47.44 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

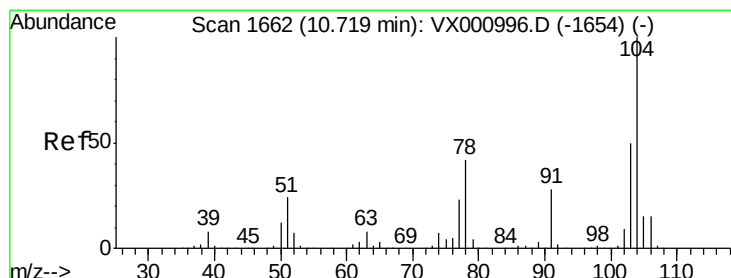
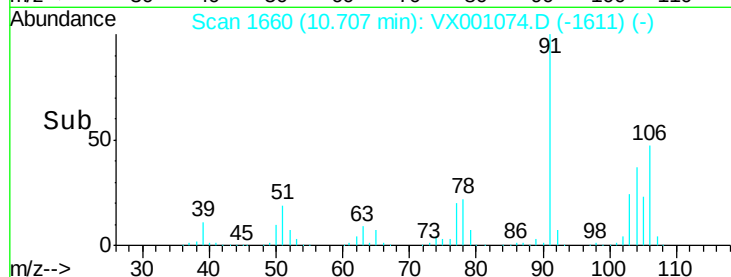
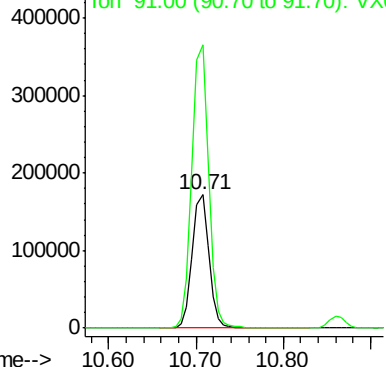
Tot Ion:106 Resp: 227326
Ion Ratio Lower Upper
106 100
91 212.5 105.1 315.1

Manual Integrations
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sam
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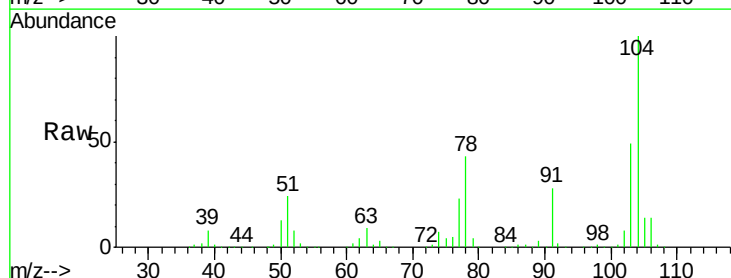


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

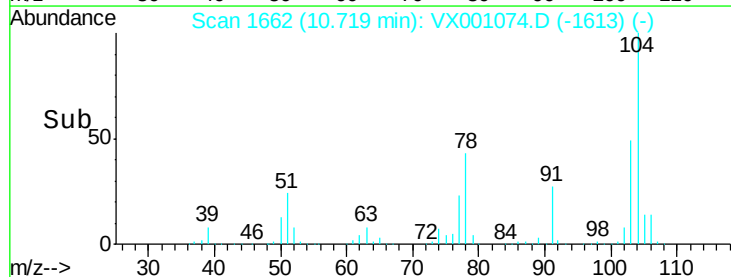
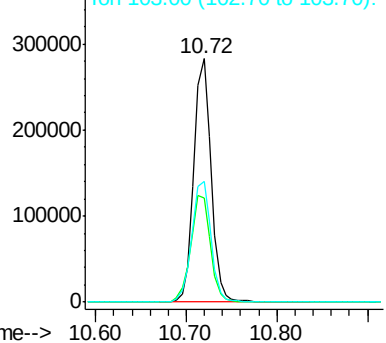


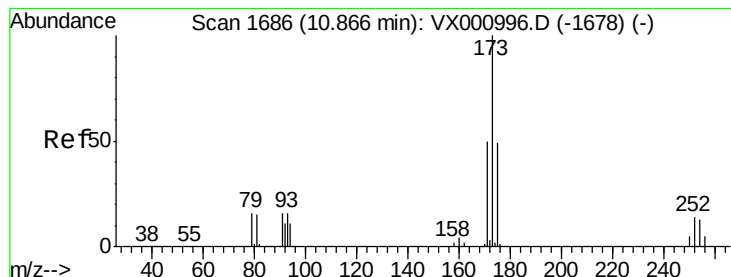
#70
Styrene
Concen: 48.03 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion:104 Resp: 379072
Ion Ratio Lower Upper
104 100
78 49.8 39.4 59.2
103 55.2 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 45.21 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 109043

Ion Ratio Lower Upper

173 100

175 49.7 24.8 74.3

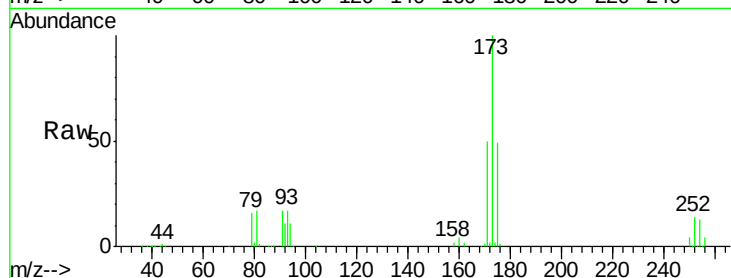
254 0.2 0.2 0.2

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sam

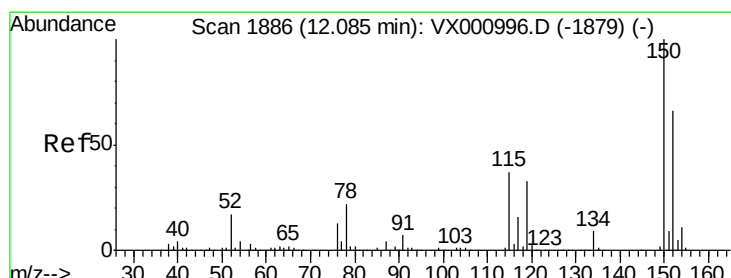
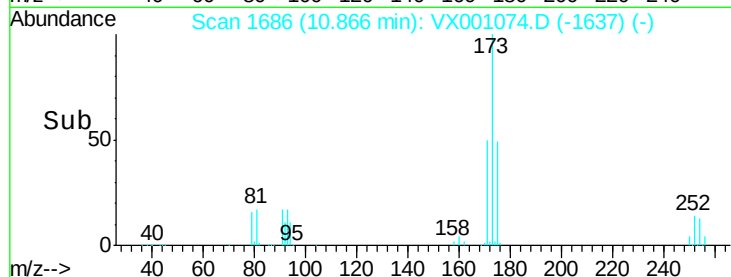
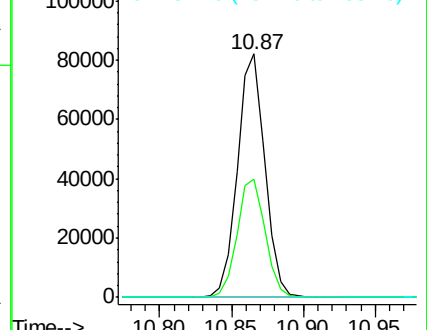
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

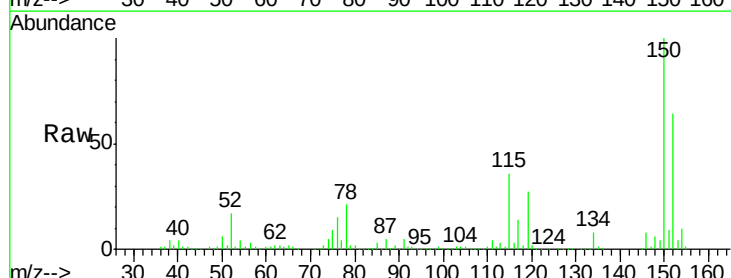
Tgt Ion:152 Resp: 197232

Ion Ratio Lower Upper

152 100

115 75.6 38.2 114.6

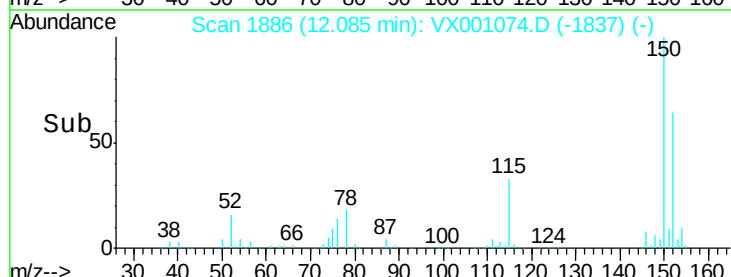
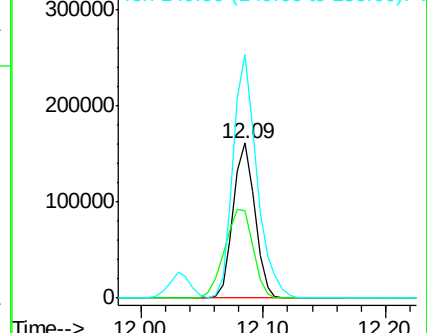
150 172.5 0.0 350.4

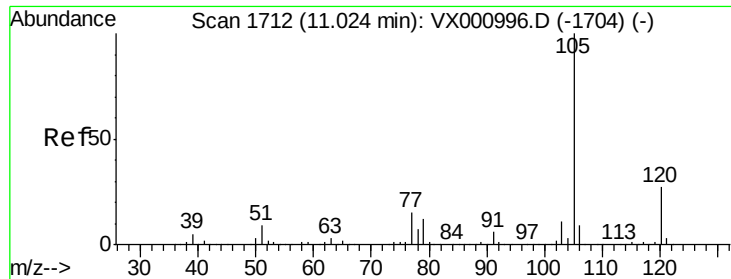


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.77 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 615942

Ion Ratio Lower Upper

105 100

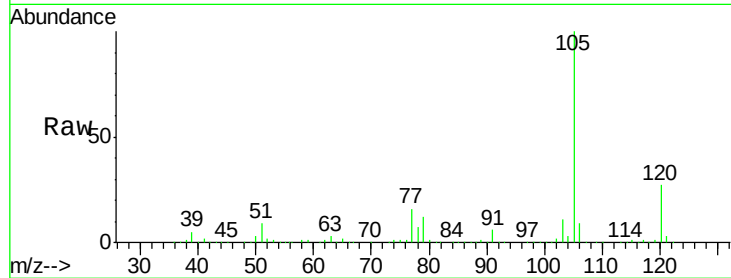
120 27.1 13.4 40.2

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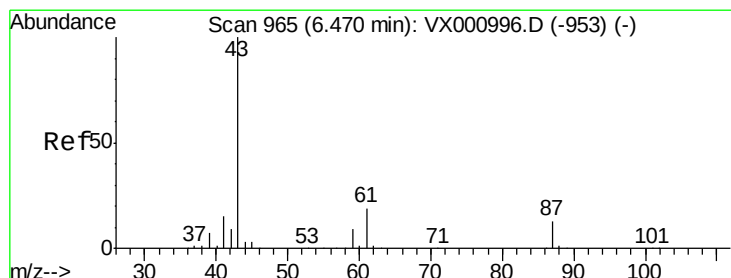
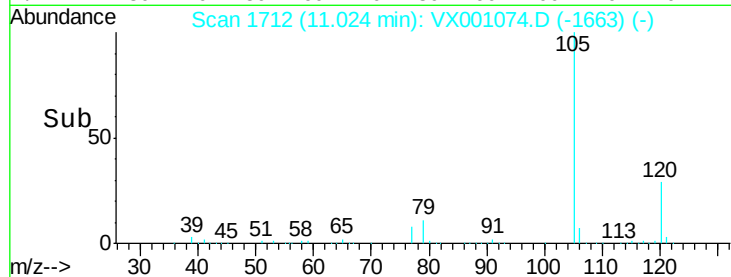
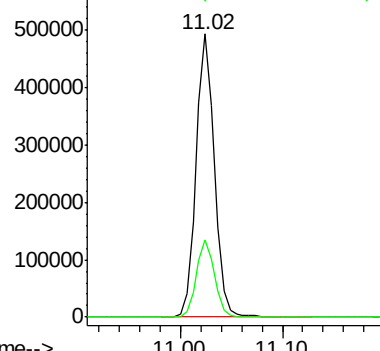
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.97 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tgt Ion: 43 Resp: 270082

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

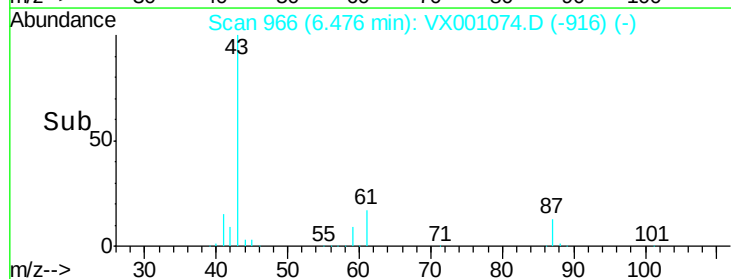
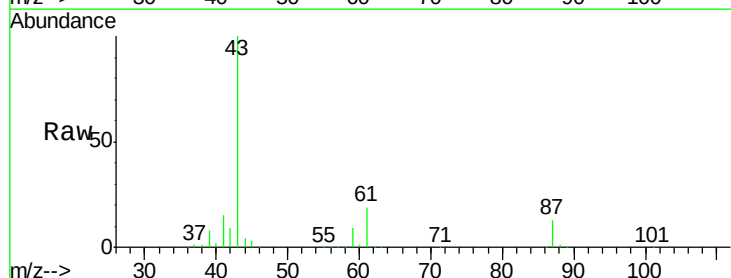
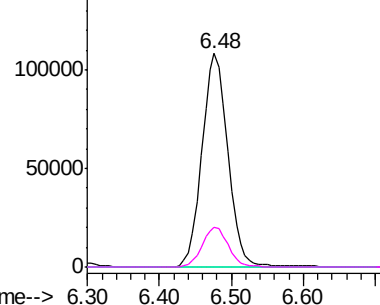
61 18.9 15.4 23.2

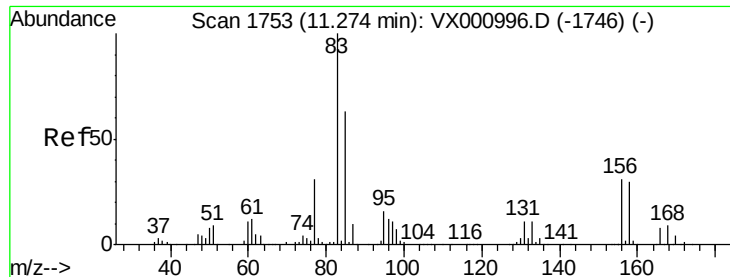
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.54 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

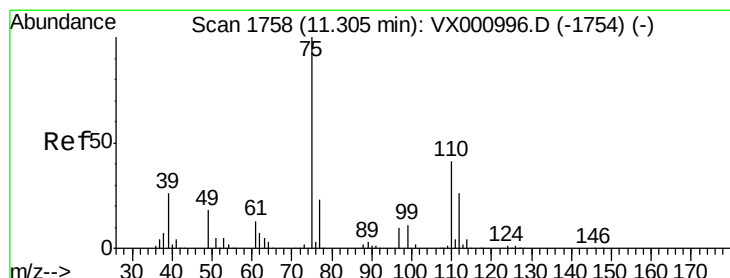
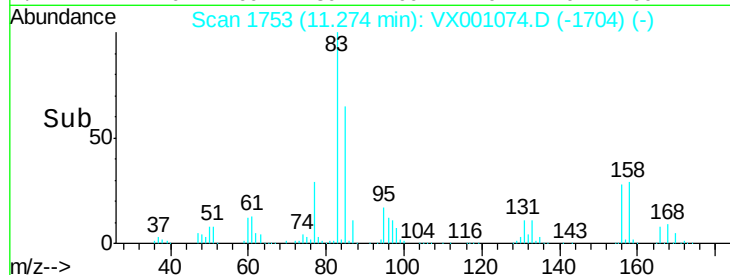
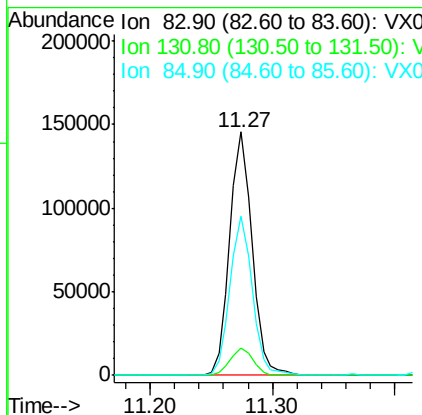
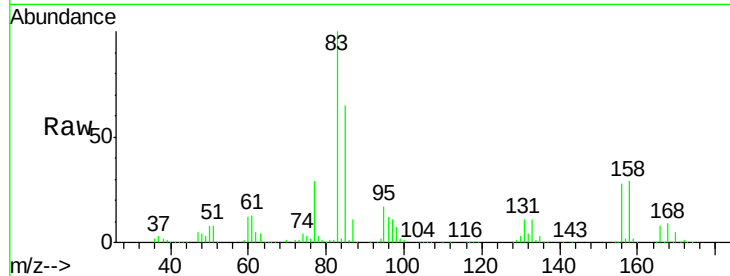
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	184493
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	65.1	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.15 ug/l m

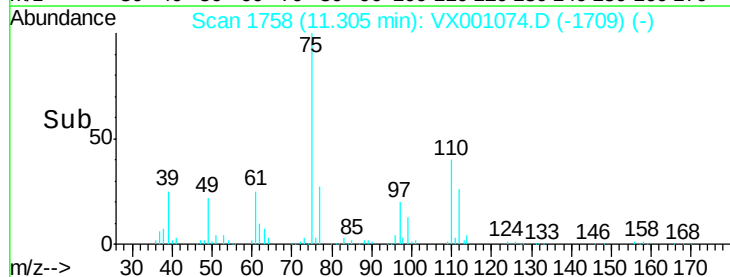
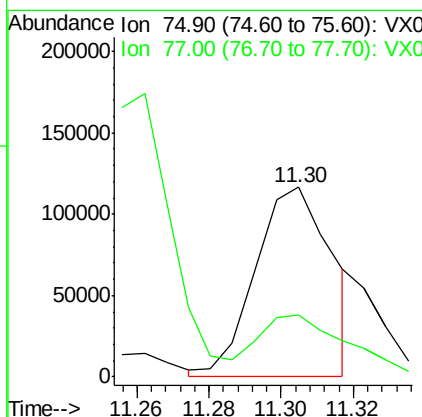
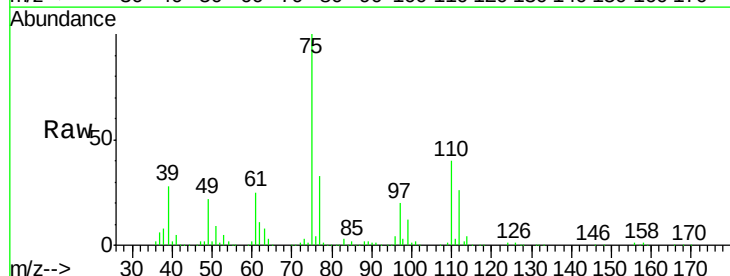
RT: 11.30 min Scan# 1758

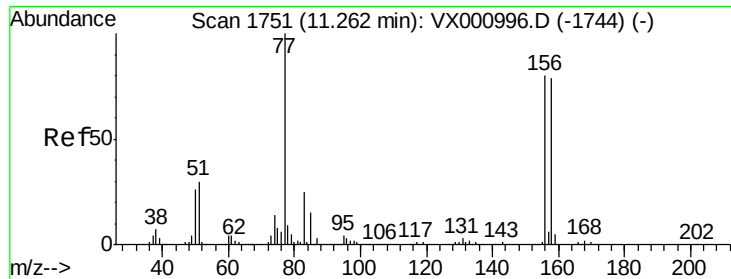
Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tgt Ion:	75	Resp:	171598
Ion Ratio	Lower	Upper	
75	100		
77	38.2	19.6	58.7





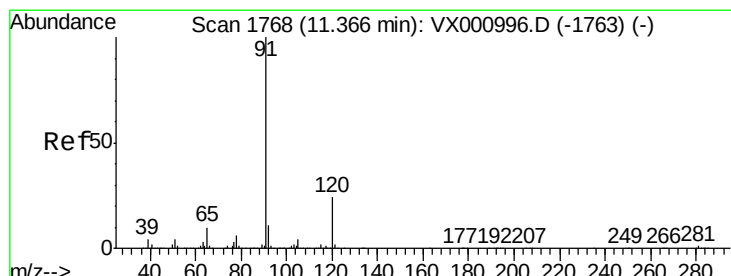
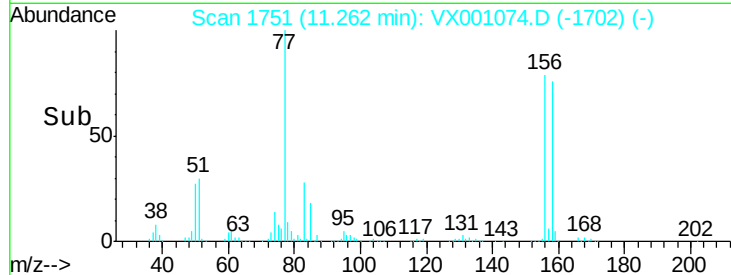
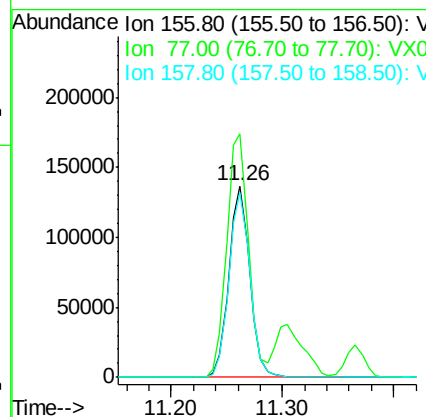
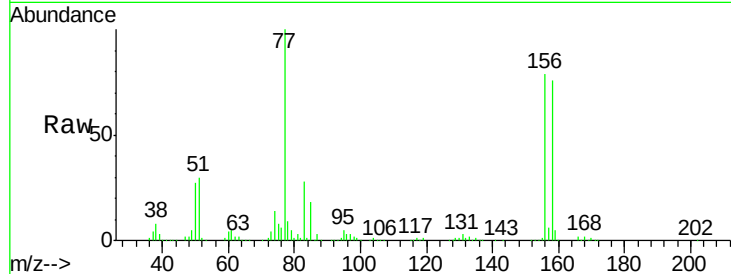
#77
Bromobenzene
Concen: 47.12 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.3	66.3	199.0
158	98.0	48.9	146.6

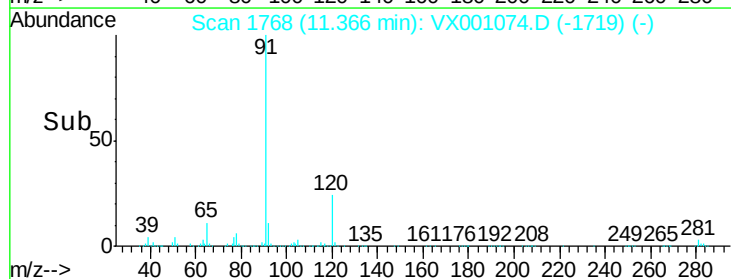
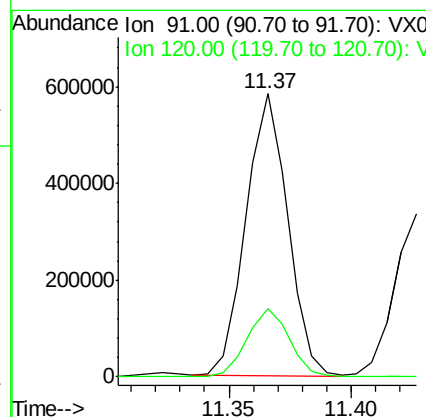
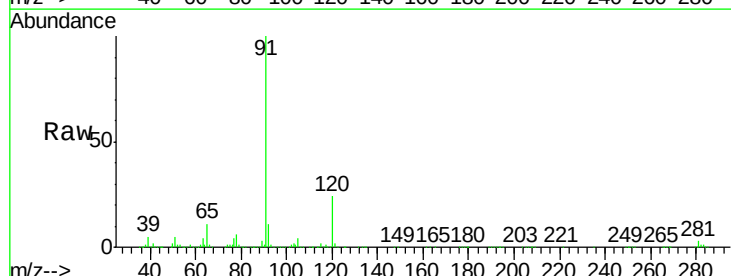
Manual Integrations
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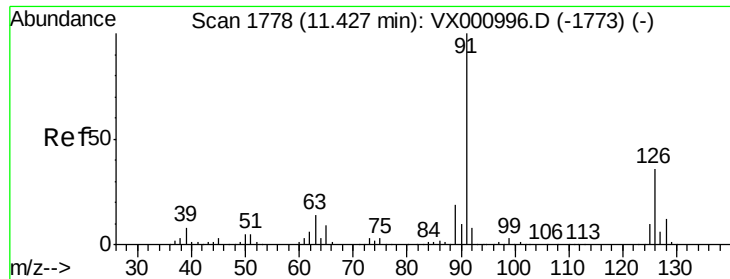
sam
4/24/2018 6:08:01 PM



#78
n-propylbenzene
Concen: 47.03 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.4	37.0





#79

2-Chlorotoluene

Concen: 47.21 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 412958

Ion Ratio Lower Upper

91 100

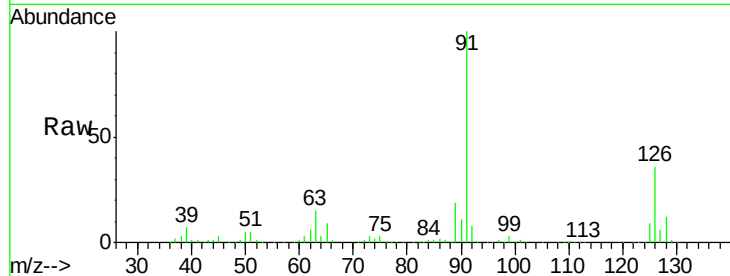
126 36.3 18.3 54.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX000996.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX000996.D (-1773) (-)

600000

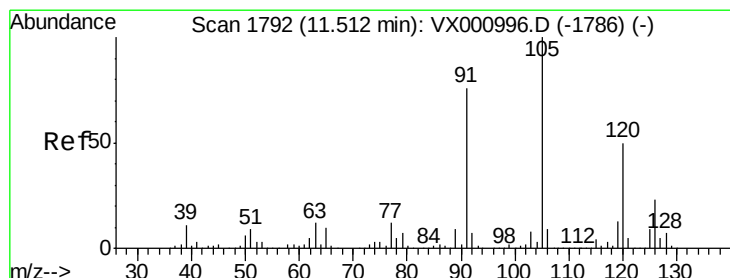
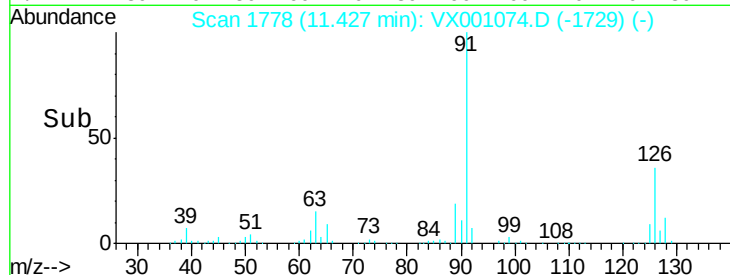
400000

200000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.33 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001074.D

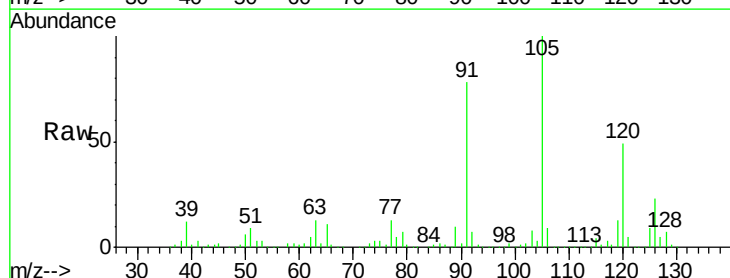
Acq: 23 Apr 2018 21:51

Tgt Ion: 105 Resp: 528257

Ion Ratio Lower Upper

105 100

120 49.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000996.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000996.D (-1786) (-)

500000

400000

300000

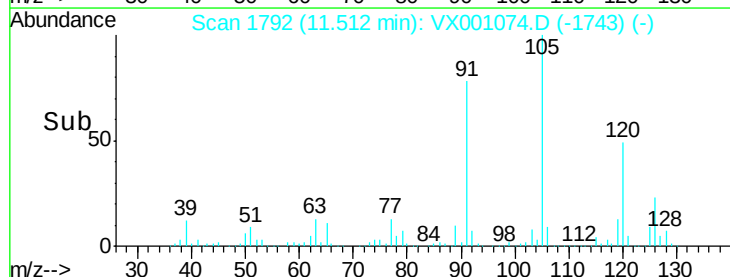
200000

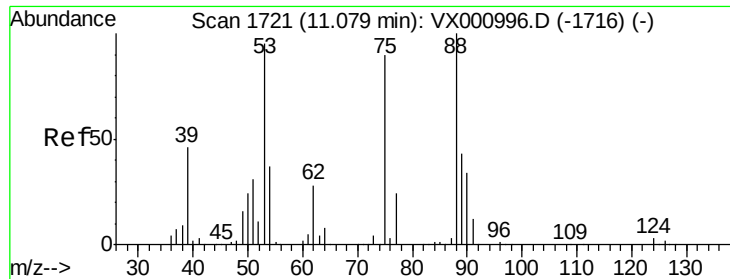
100000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 42.17 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 46423

Ion Ratio Lower Upper

75 100

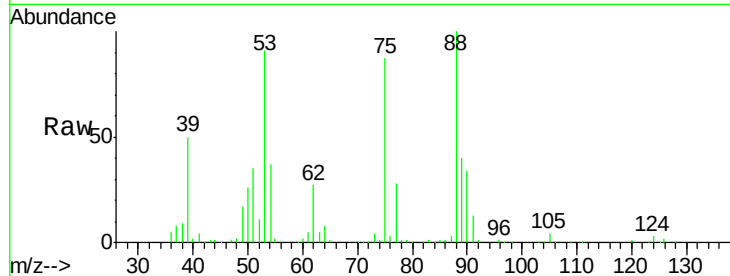
53 107.8 83.4 125.2

89 47.6 39.7 59.5

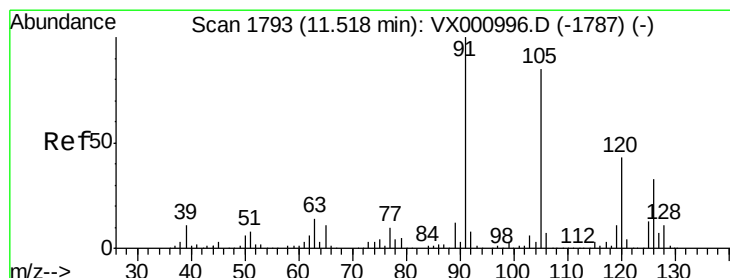
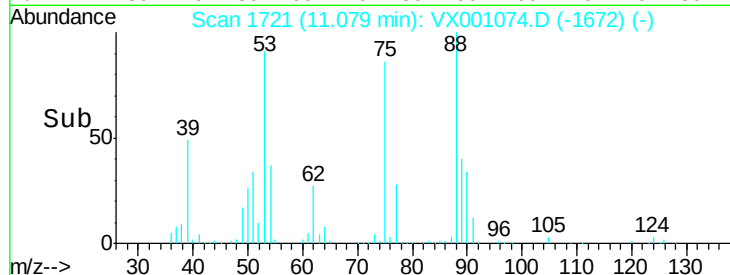
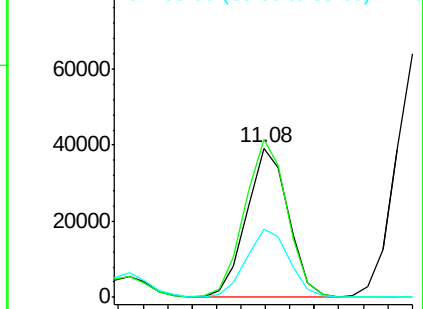
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 46.94 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001074.D

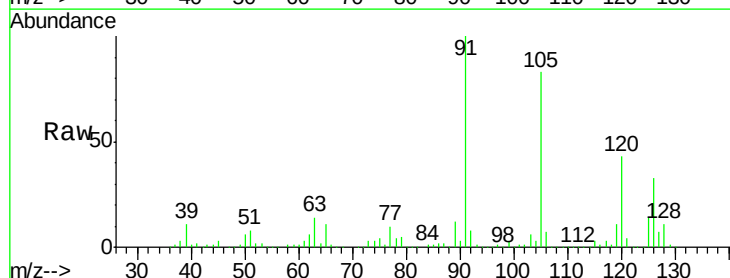
Acq: 23 Apr 2018 21:51

Tgt Ion: 91 Resp: 496151

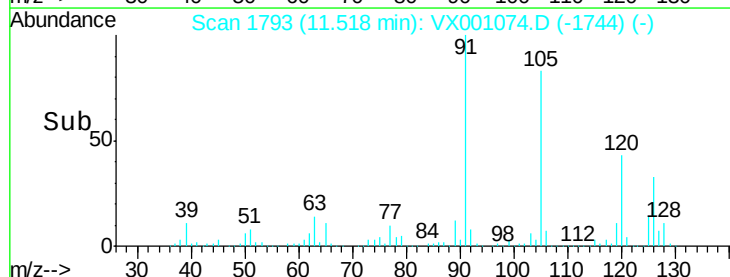
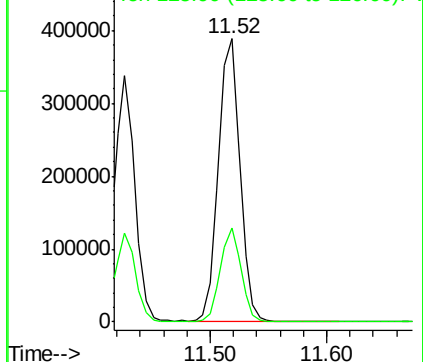
Ion Ratio Lower Upper

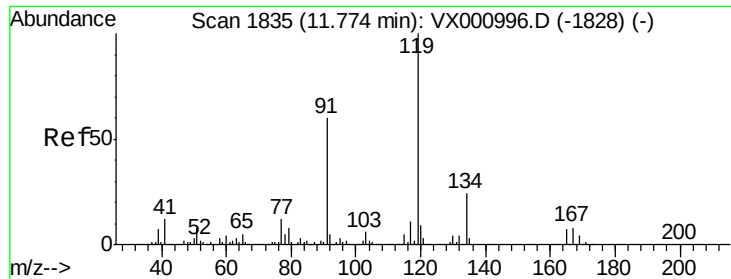
91 100

126 32.0 16.2 48.5



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





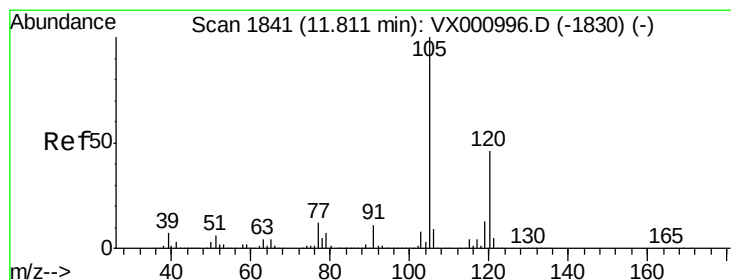
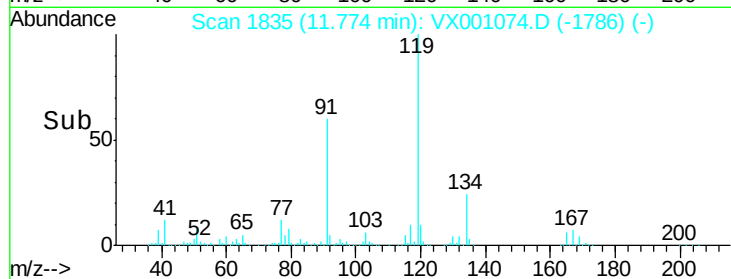
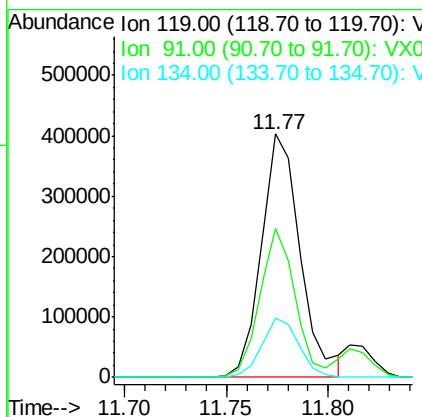
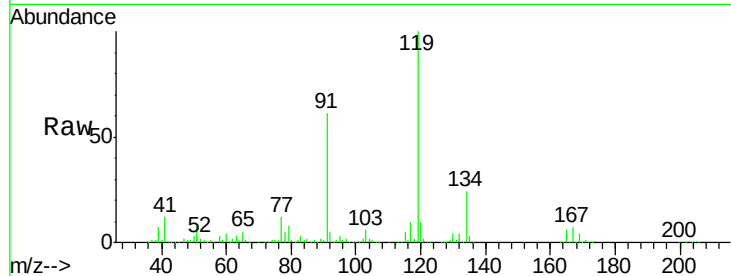
#83
 tert-Butylbenzene
 Concen: 48.49 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.0	81.0
134	23.2	11.6	34.7

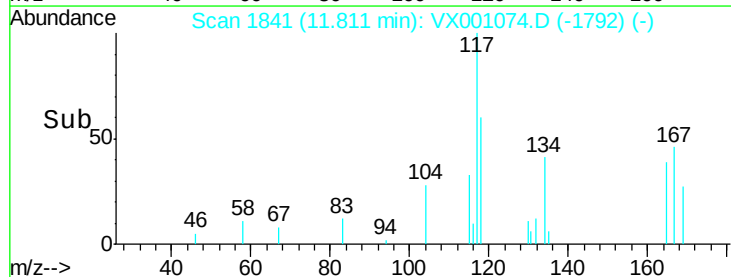
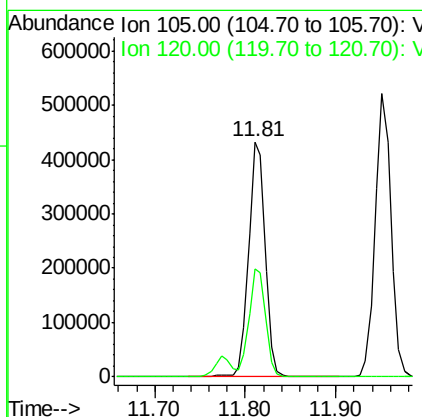
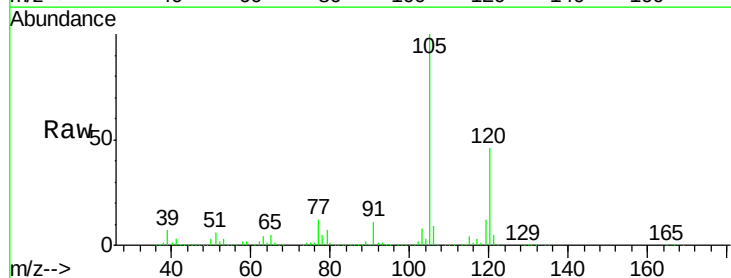
Manual Integrations
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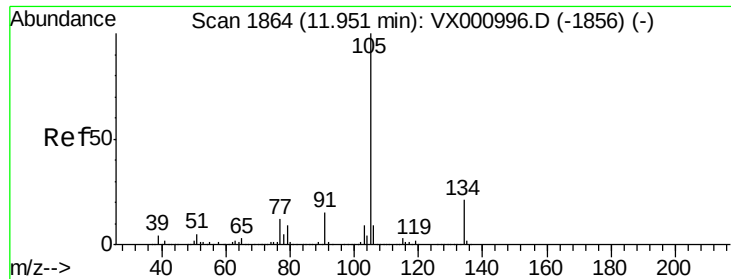
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.41 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 47.85 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 629830

Ion Ratio Lower Upper

105 100

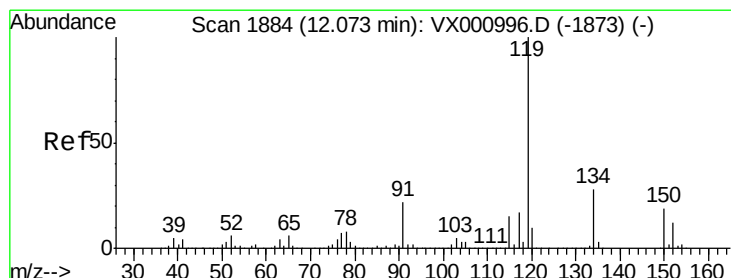
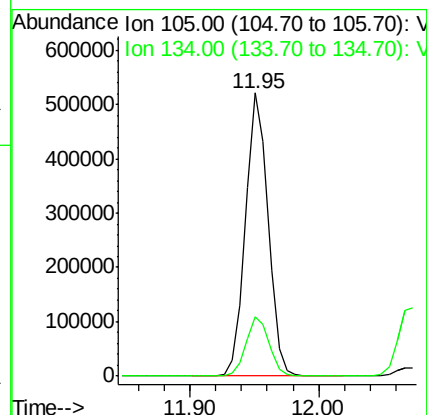
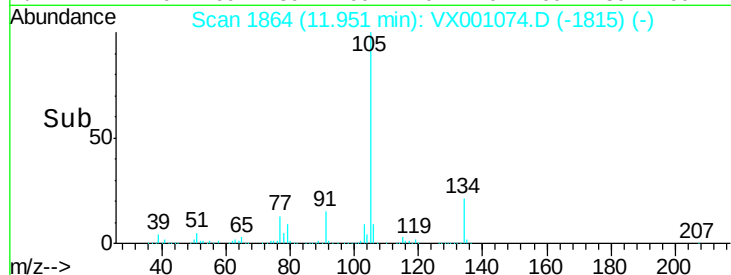
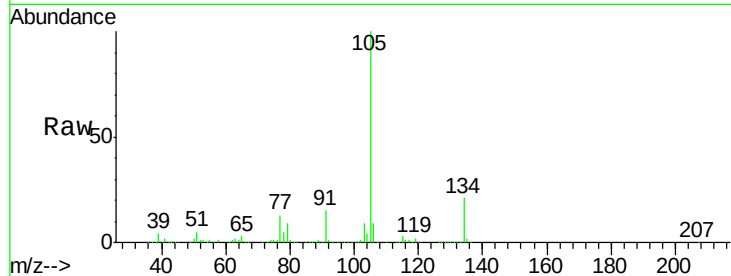
134 21.3 10.5 31.6

Manual Integrations

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sam

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#86

p-Isopropyltoluene

Concen: 48.01 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

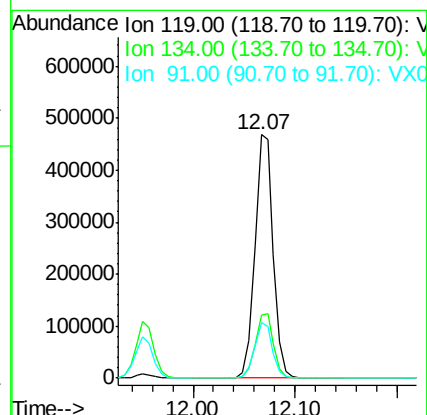
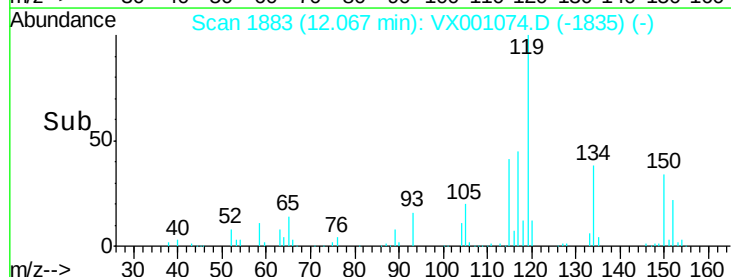
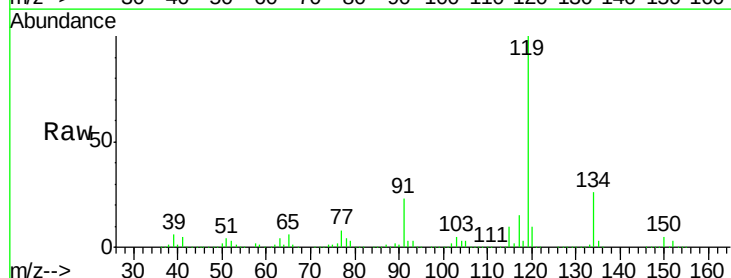
Tgt Ion:119 Resp: 584488

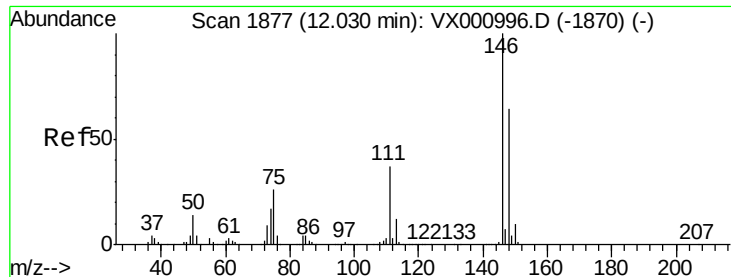
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.4 11.4 34.1





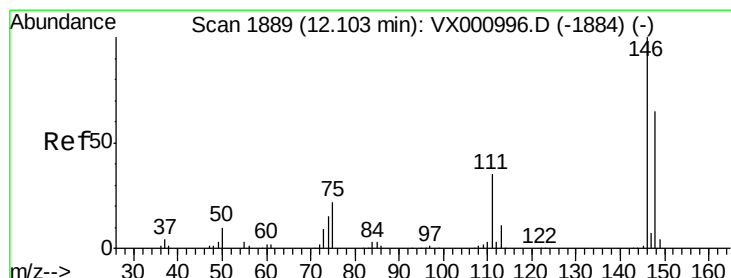
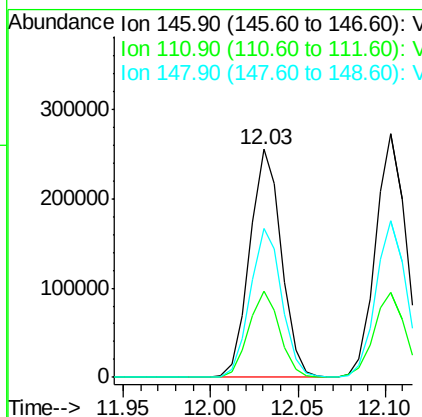
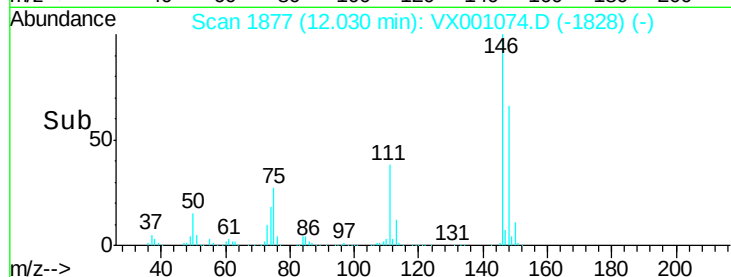
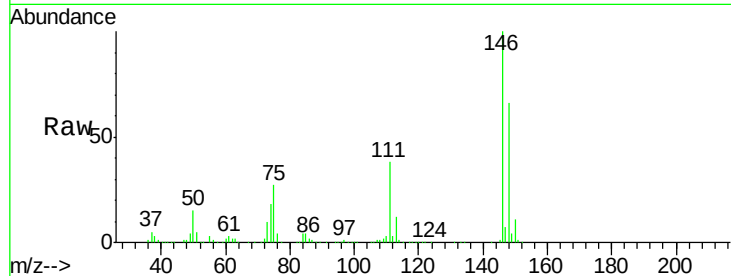
#87
 1,3-Dichlorobenzene
 Concen: 45.81 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.3	54.8
148	65.0	32.2	96.6

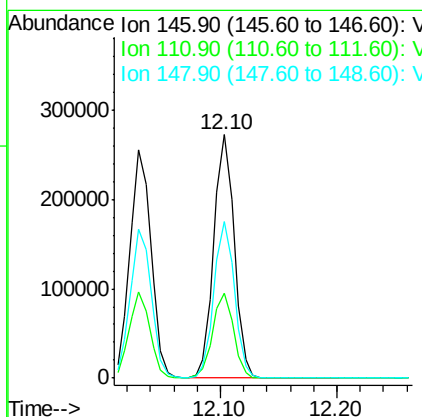
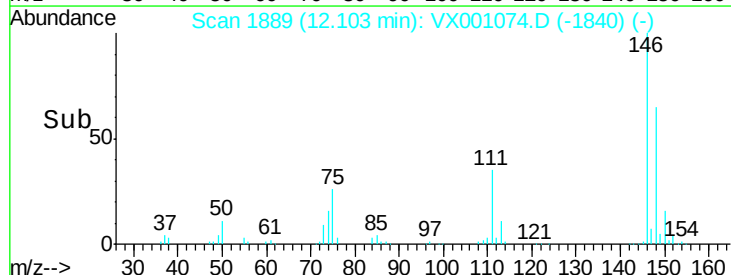
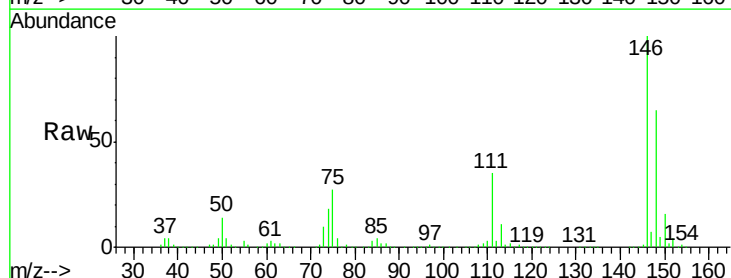
Manual Integrations
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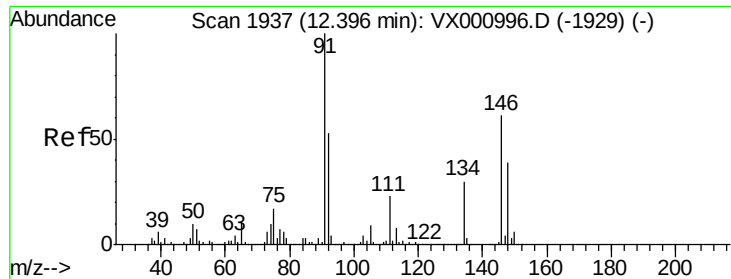
sam
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#88
 1,4-Dichlorobenzene
 Concen: 45.80 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.0	54.0
148	64.6	32.4	97.0





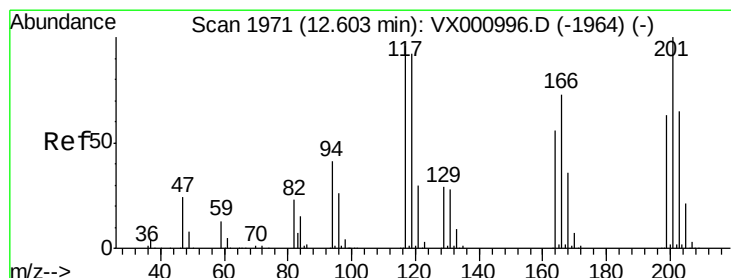
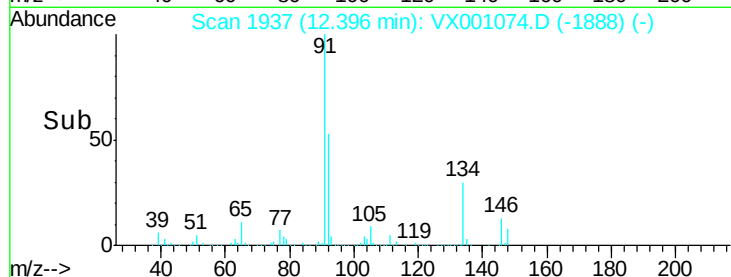
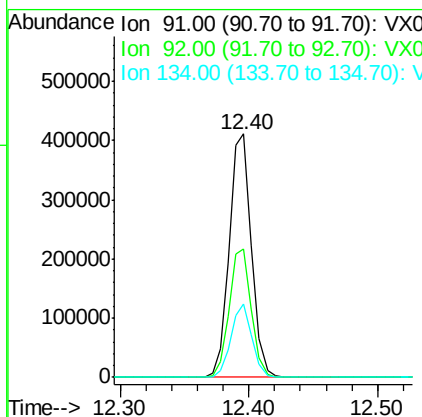
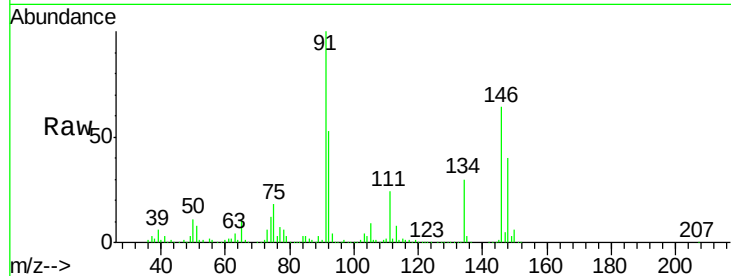
#89
n-Butylbenzene
Concen: 45.80 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	28.5	14.4	43.0

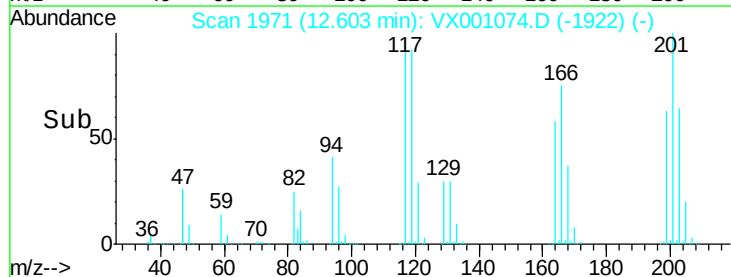
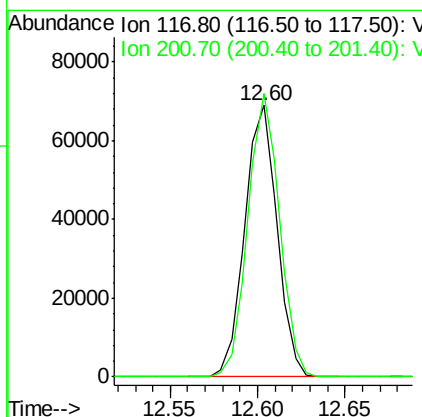
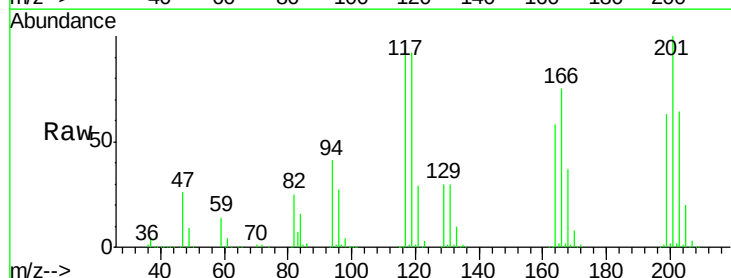
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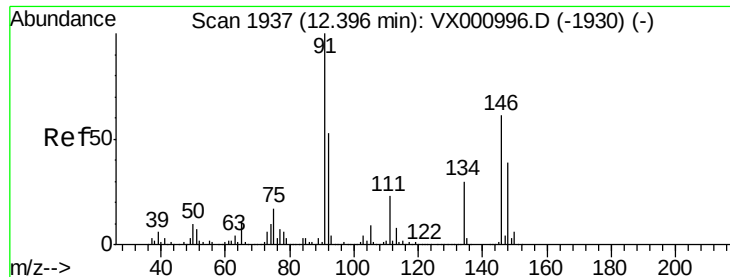
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#90
Hexachloroethane
Concen: 51.38 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001074.D
Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.1	52.3	157.1





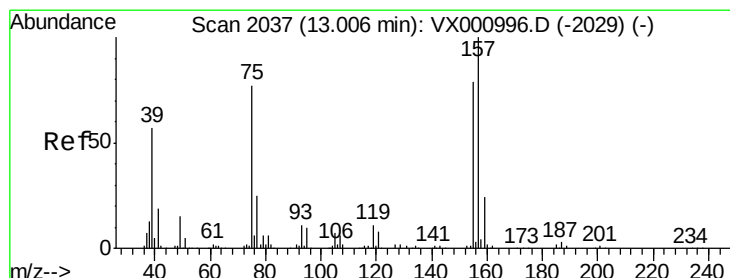
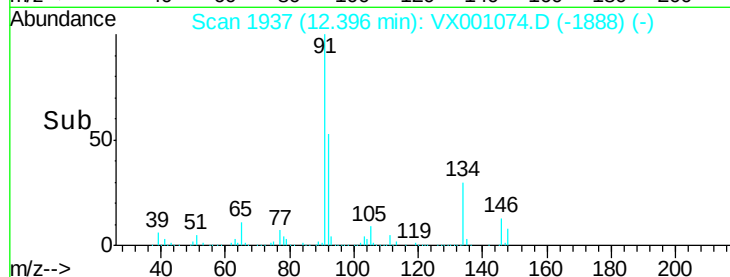
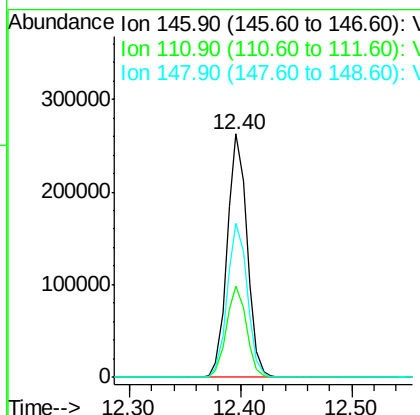
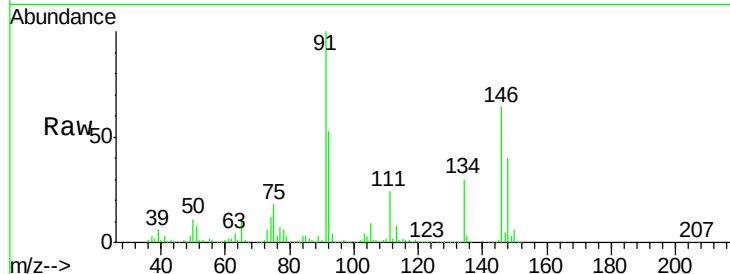
#91
 1,2-Dichlorobenzene
 Concen: 47.68 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	323457		
111	37.7	18.6	56.0	
148	63.9	32.3	96.8	

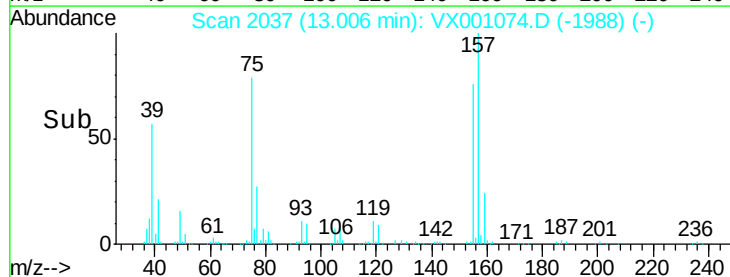
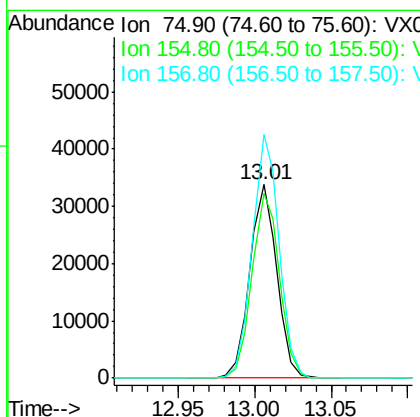
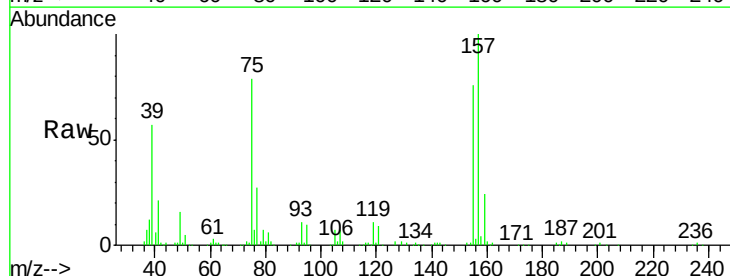
Manual Integrations
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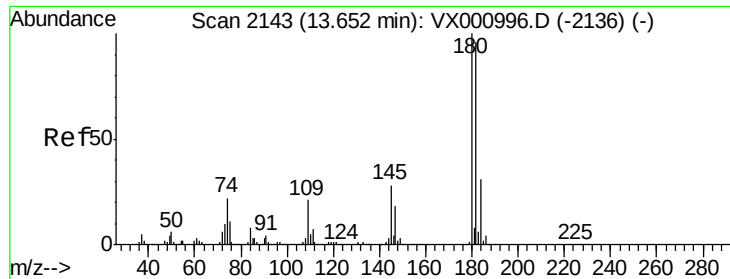
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.11 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	41380		
155	97.3	51.0	153.0	
157	125.3	64.9	194.7	





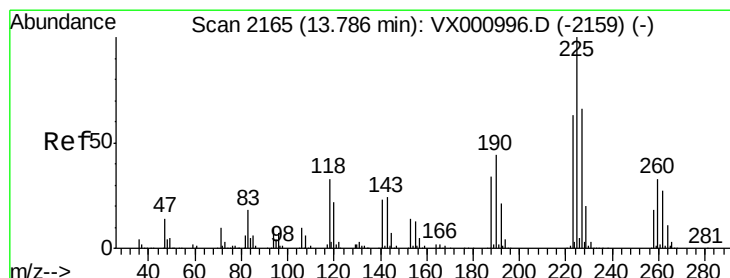
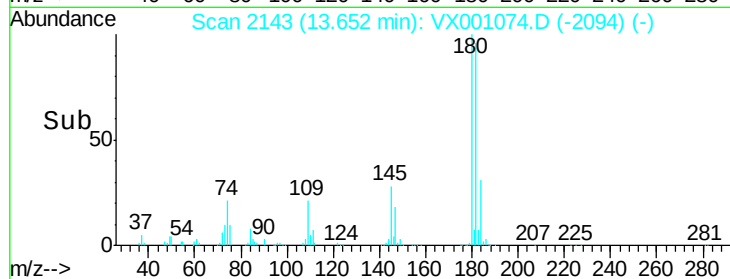
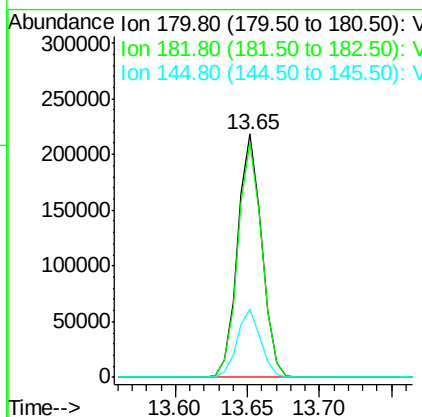
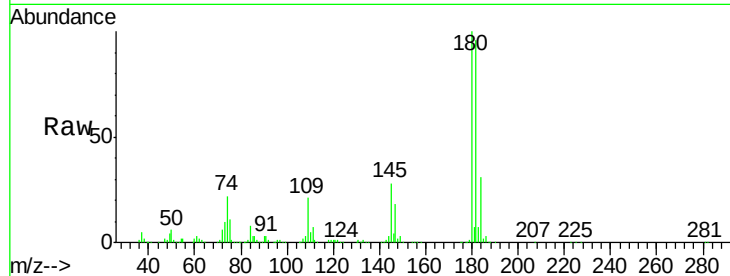
#93
 1,2,4-Trichlorobenzene
 Concen: 44.56 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	253758		
182	96.6	48.0	144.0	
145	27.5	13.9	41.7	

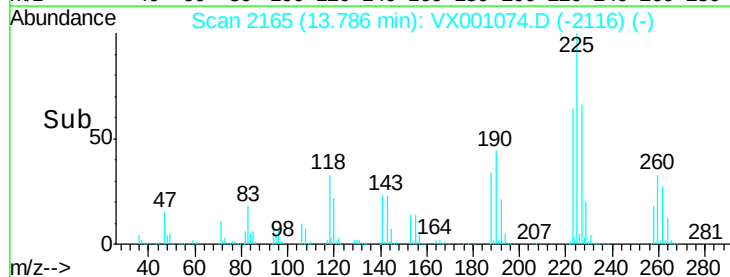
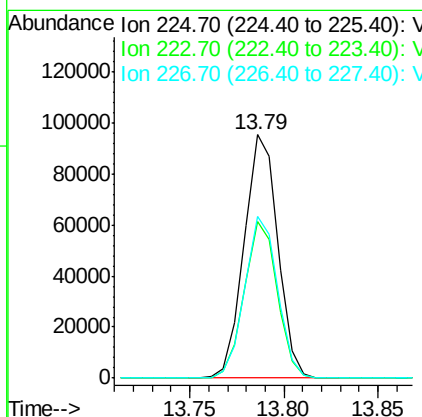
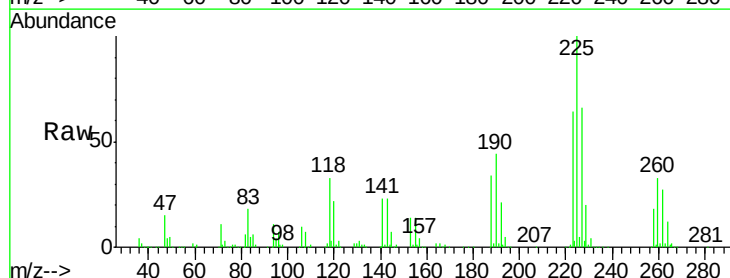
Manual Integrations
 APPROVED

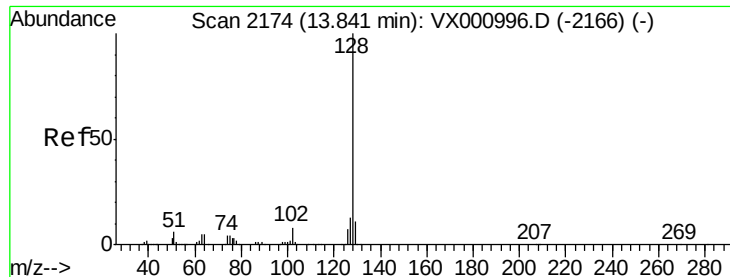
sam
 4/24/2018 6:08:01 PM



#94
 Hexachlorobutadiene
 Concen: 45.96 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001074.D
 Acq: 23 Apr 2018 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118415		
223	63.0	31.5	94.5	
227	64.8	32.6	97.8	





#95

Naphthalene

Concen: 49.71 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Instrument :

MSVOA_X

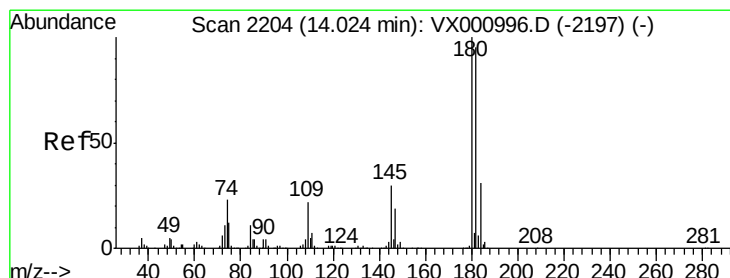
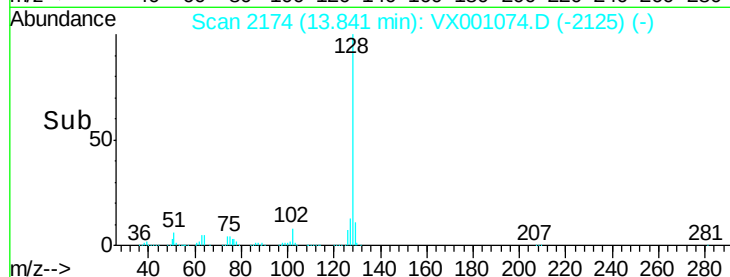
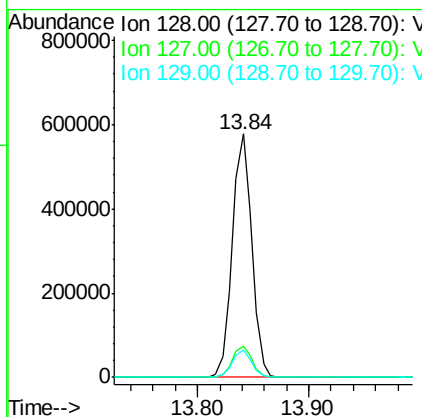
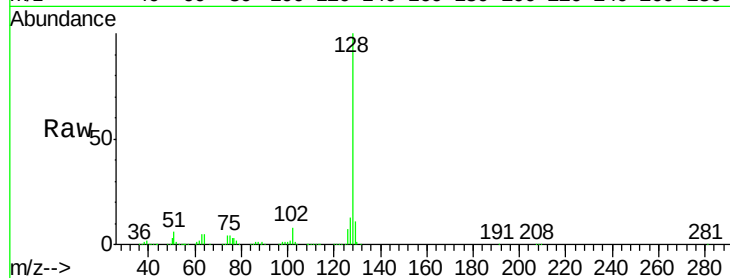
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	696120
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

sam
4/24/2018 6:08:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.97 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001074.D

Acq: 23 Apr 2018 21:51

Tgt Ion:	180	Resp:	253190
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.7
145	29.5	14.5	43.6

