

Data File : VX001026.D
Acq On : 20 Apr 2018 23:30
Operator : JC/MD
Sample : VX0420WBSD02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:46 PM

Quant Time: Apr 21 05:54:00 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	226460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	310054	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	204515	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	137999	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	5.51	113	109948	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	8.72	98	402701	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
62) 4-Bromofluorobenzene	11.14	95	165611	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	61899	22.04	ug/l	99
3) Chloromethane	1.32	50	52441	20.05	ug/l	98
4) Vinyl Chloride	1.41	62	54873	20.24	ug/l	100
5) Bromomethane	1.65	94	37496	21.80	ug/l	100
6) Chloroethane	1.73	64	33100	20.55	ug/l	98
7) Trichlorofluoromethane	1.93	101	84202	20.68	ug/l	98
8) Diethyl Ether	2.19	74	30328	20.16	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47435	19.88	ug/l	99
10) Methyl Iodide	2.52	142	35306	20.32	ug/l	100
11) Tert butyl alcohol	3.07	59	45678	105.51	ug/l	99
12) 1,1-Dichloroethene	2.38	96	44549	20.19	ug/l	98
13) Acrolein	2.30	56	15028	117.48	ug/l	99
14) Allyl chloride	2.73	41	77695	19.46	ug/l	98
15) Acrylonitrile	3.15	53	116830	99.71	ug/l	99
16) Acetone	2.45	43	103376	95.63	ug/l	99
17) Carbon Disulfide	2.57	76	117287	18.65	ug/l	100
18) Methyl Acetate	2.78	43	73178	22.37	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	151863	20.47	ug/l	100
20) Methylene Chloride	2.86	84	49098	20.65	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	47289	19.25	ug/l	98
22) Diisopropyl ether	3.87	45	157080	20.32	ug/l	92
23) Vinyl Acetate	3.83	43	628323	98.18	ug/l	99
24) 1,1-Dichloroethane	3.70	63	85039	19.61	ug/l	99
25) 2-Butanone	4.71	43	167010	98.97	ug/l	97
26) 2,2-Dichloropropane	4.59	77	63540	17.04	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	54565	19.94	ug/l	98
28) Bromochloromethane	5.03	49	33137	19.87	ug/l	97
29) Tetrahydrofuran	5.17	42	107730	101.03	ug/l	99
30) Chloroform	5.23	83	90613	20.18	ug/l	98
31) Cyclohexane	5.59	56	77821	19.23	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	80265	19.94	ug/l	98
36) 1,1-Dichloropropene	5.81	75	69207	18.99	ug/l	100
37) Ethyl Acetate	4.87	43	64951	19.43	ug/l	100
38) Carbon Tetrachloride	5.79	117	70154	19.02	ug/l	99

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Instrument :

MSVOA_X

ClientSampleID :

VX0420WBSD02

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:46 PM

Quant Time: Apr 21 05:54:00 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)
39) Methylcyclohexane	7.47	83	78021	18.40	ug/l	98
40) Benzene	6.15	78	198448	19.59	ug/l	99
41) Methacrylonitrile	5.07	41	39556	18.95	ug/l	98
42) 1,2-Dichloroethane	6.21	62	77779	20.00	ug/l	99
43) Isopropyl Acetate	6.48	43	110291	19.23	ug/l	100
44) Trichloroethene	7.22	130	59577	19.25	ug/l	98
45) 1,2-Dichloropropane	7.52	63	50788	19.94	ug/l	96
46) Dibromomethane	7.67	93	34865	19.59	ug/l	100
47) Bromodichloromethane	7.91	83	64699	19.62	ug/l	97
48) Methyl methacrylate	7.79	41	59713	19.34	ug/l	98
49) 1,4-Dioxane	7.76	88	18381	404.85	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	350652	100.72	ug/l	98
52) Toluene	8.79	92	131497	19.89	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	76041	19.29	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	69129	18.59	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	52114	19.83	ug/l	98
56) Ethyl methacrylate	9.19	69	75193	19.48	ug/l	98
57) 1,3-Dichloropropane	9.38	76	85704	19.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	195987	104.04	ug/l	100
59) 2-Hexanone	9.51	43	260939	97.92	ug/l	98
60) Dibromochloromethane	9.59	129	53060	19.22	ug/l	98
61) 1,2-Dibromoethane	9.68	107	55115	19.87	ug/l	100
64) Tetrachloroethene	9.34	164	64901	20.57	ug/l	98
65) Chlorobenzene	10.15	112	153374	19.38	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	53066	19.54	ug/l	99
67) Ethyl Benzene	10.26	91	255154	19.42	ug/l	99
68) m/p-Xylenes	10.37	106	199629	38.55	ug/l	98
69) o-Xylene	10.71	106	95204	19.07	ug/l	97
70) Styrene	10.72	104	161371	19.62	ug/l	99
71) Bromoform	10.86	173	41577	18.27	ug/l #	98
73) Isopropylbenzene	11.02	105	263415	19.70	ug/l	100
74) N-amyl acetate	6.48	43	110291	19.28	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	75368	19.91	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	69835m	19.68	ug/l	
77) Bromobenzene	11.26	156	75782	19.53	ug/l	99
78) n-propylbenzene	11.37	91	296789	19.34	ug/l	100
79) 2-Chlorotoluene	11.43	91	179249	19.76	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	221886	19.58	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	16619	16.68	ug/l	90
82) 4-Chlorotoluene	11.52	91	213086	19.44	ug/l	99
83) tert-Butylbenzene	11.77	119	223433	19.54	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	229894	19.71	ug/l	99
85) sec-Butylbenzene	11.95	105	264798	19.40	ug/l	100
86) p-Isopropyltoluene	12.07	119	244501	19.37	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	140096	19.28	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	143748	19.28	ug/l	99
89) n-Butylbenzene	12.40	91	212909	18.95	ug/l	99
90) Hexachloroethane	12.60	117	33079	18.49	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	136242	19.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15837	19.97	ug/l	94

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042018\
Quantitation Report (QT Reviewed)

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Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Apr 21 05:54:00 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)
93) 1,2,4-Trichlorobenzene	13.65	180	110598	18.73	ug/l	100
94) Hexachlorobutadiene	13.79	225	48445	18.13	ug/l	99
95) Naphthalene	13.84	128	287379	19.79	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	107753	18.87	ug/l	99

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

Data File : VX001026.D

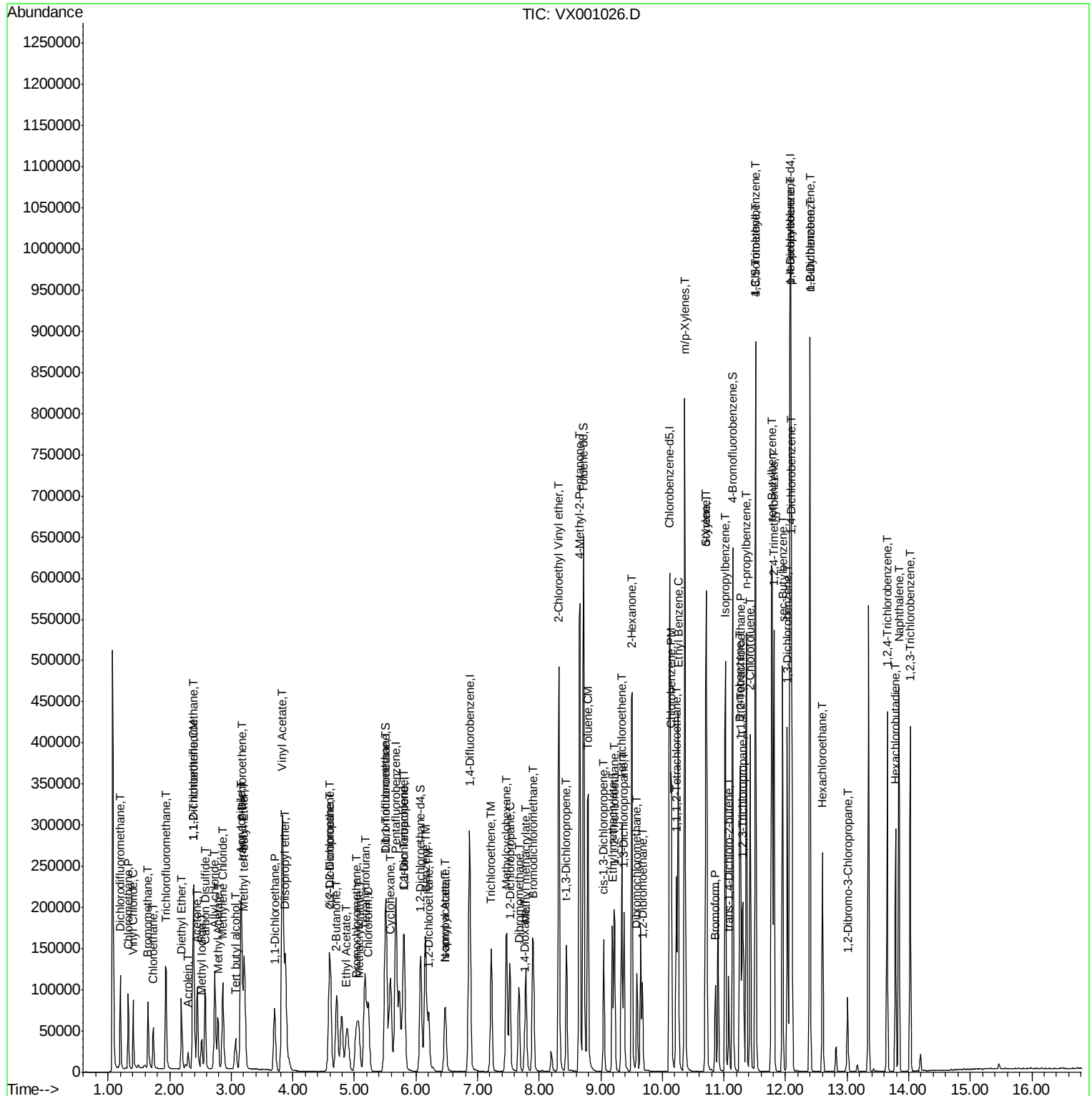
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Acq On       : 20 Apr 2018   23:30
Operator     : JC/MD
Sample       : VX0420WBSD02
Misc         : 5.0mL/MSVOA_X/WATER
ALS Vial     : 30   Sample Multiplier: 1
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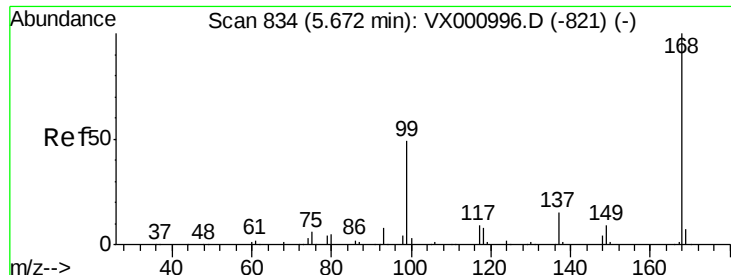
Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:46 PM

Quant Time: Apr 21 05:54:00 2018
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Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion:168 Resp: 226460

Ion Ratio Lower Upper

168 100

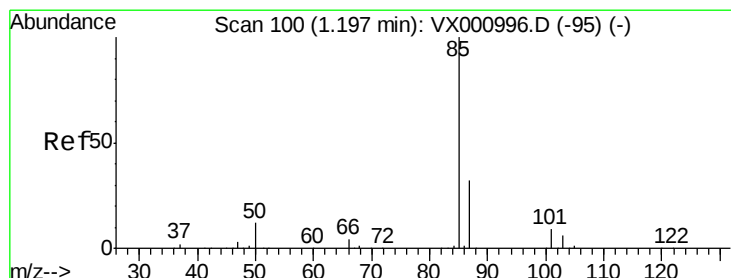
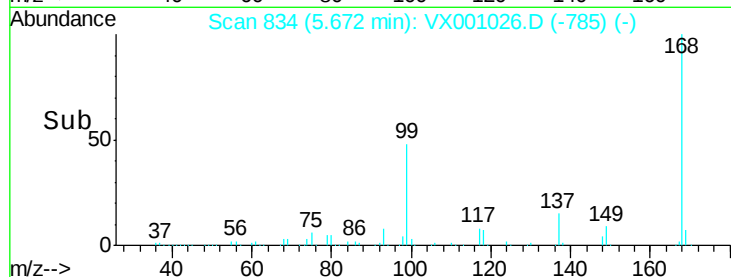
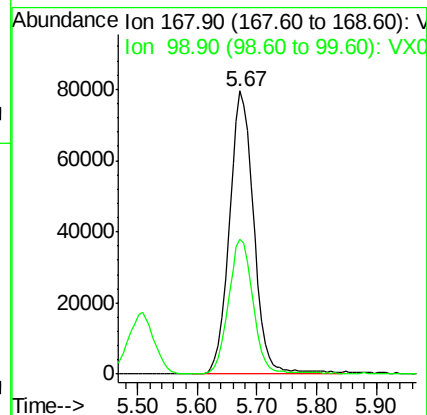
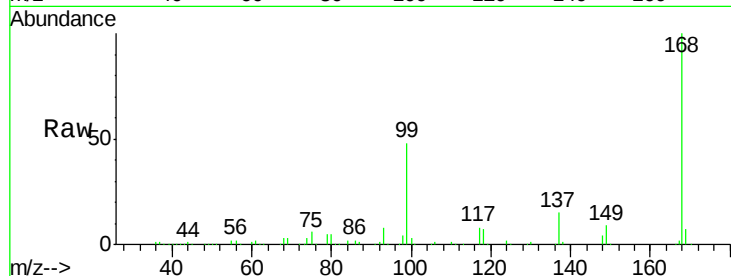
99 47.8 39.2 58.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 22.04 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001026.D

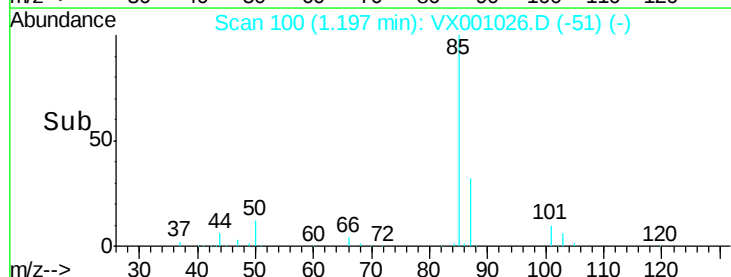
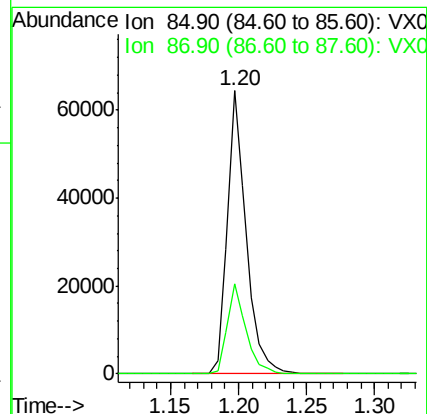
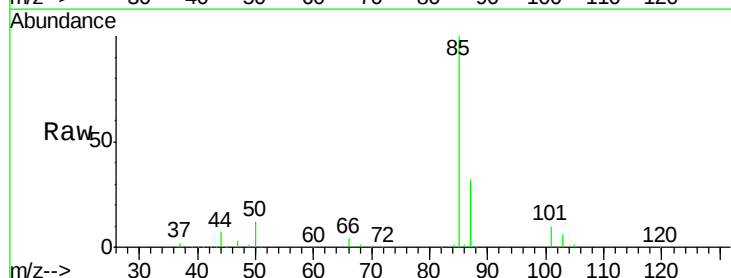
Acq: 20 Apr 2018 23:30

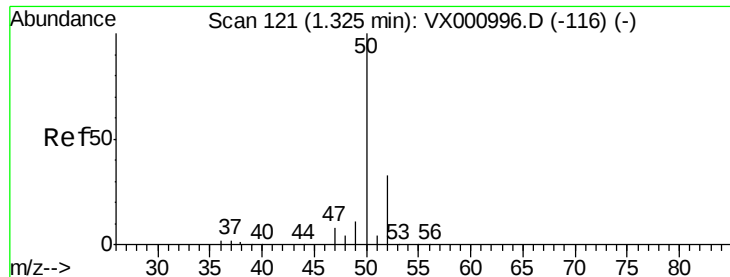
Tgt Ion: 85 Resp: 61899

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.4





#3

Chloromethane

Concen: 20.05 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 50 Resp: 52441

Ion Ratio Lower Upper

50 100

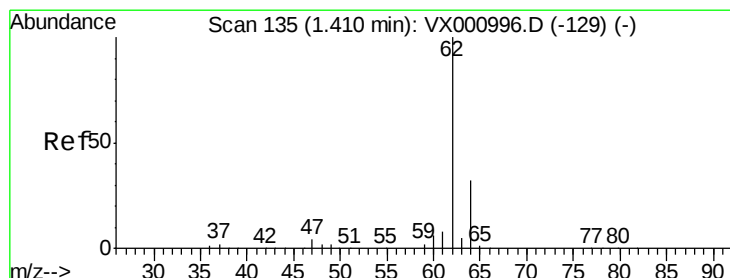
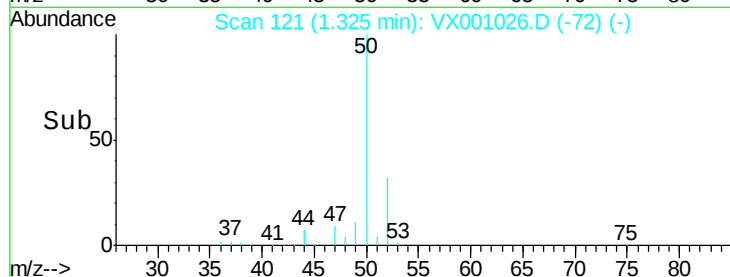
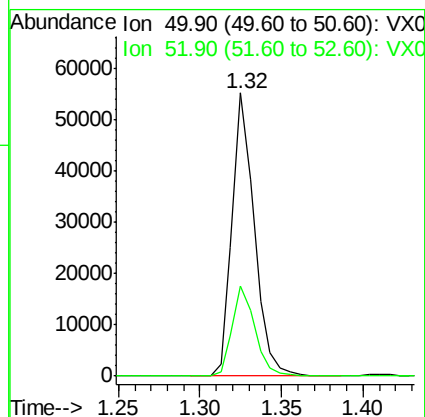
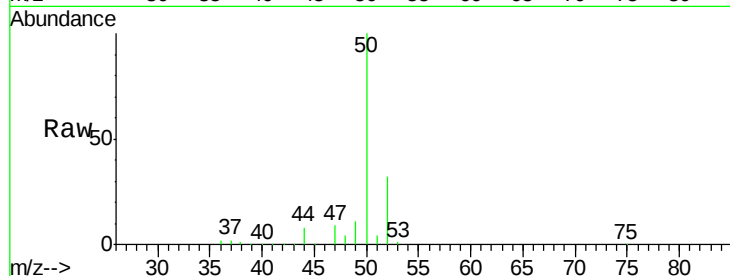
52 32.0 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.24 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX001026.D

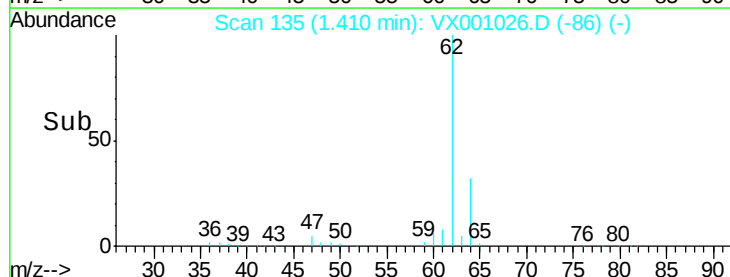
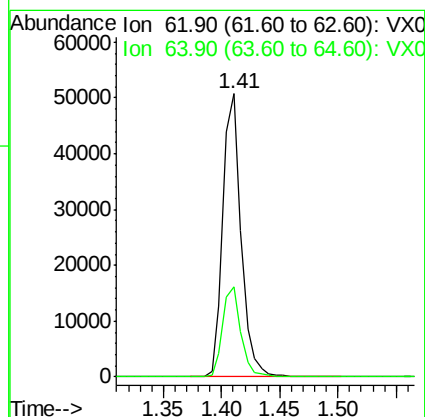
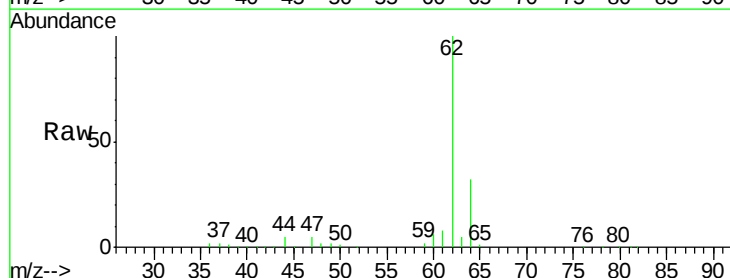
Acq: 20 Apr 2018 23:30

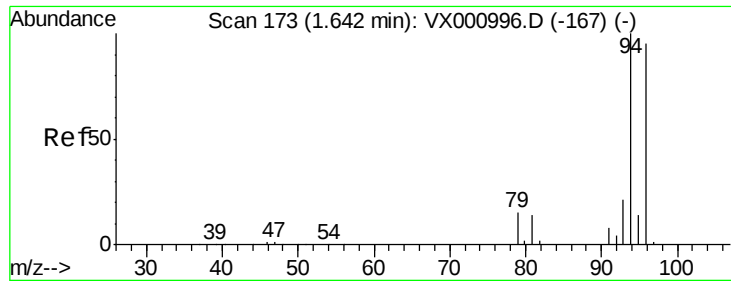
Tgt Ion: 62 Resp: 54873

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 21.80 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 94 Resp: 37496

Ion Ratio Lower Upper

94 100

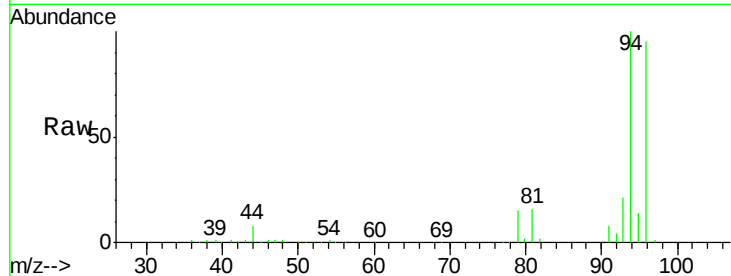
96 94.5 76.0 114.0

Manual Integrations

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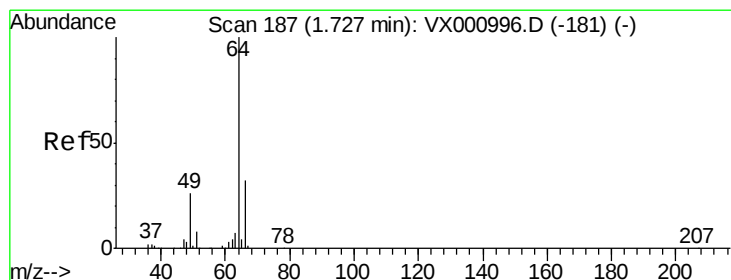
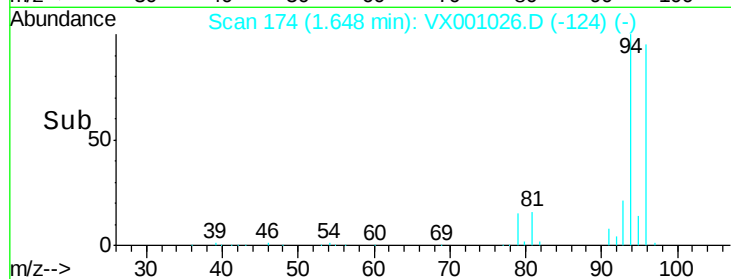
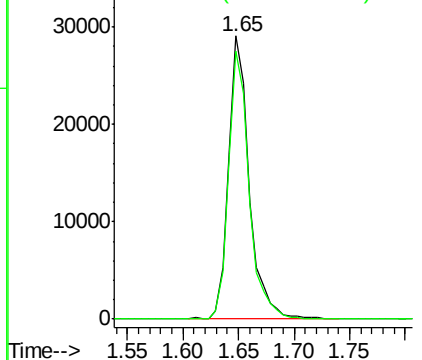
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.55 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001026.D

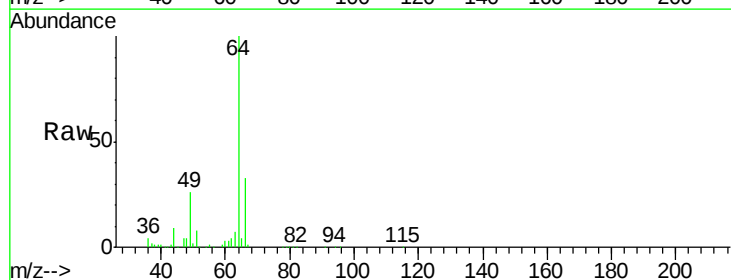
Acq: 20 Apr 2018 23:30

Tgt Ion: 64 Resp: 33100

Ion Ratio Lower Upper

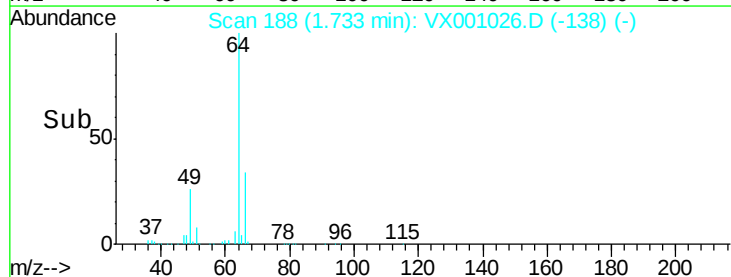
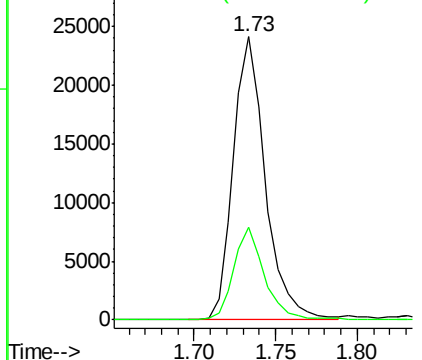
64 100

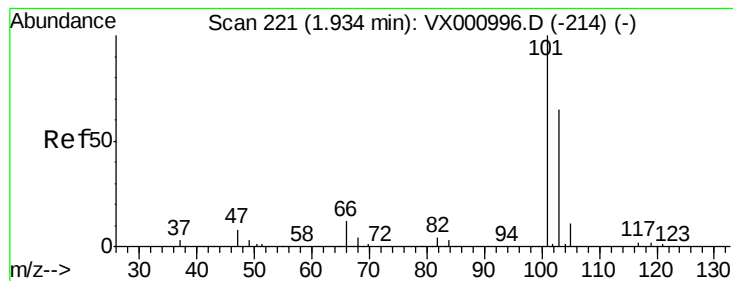
66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





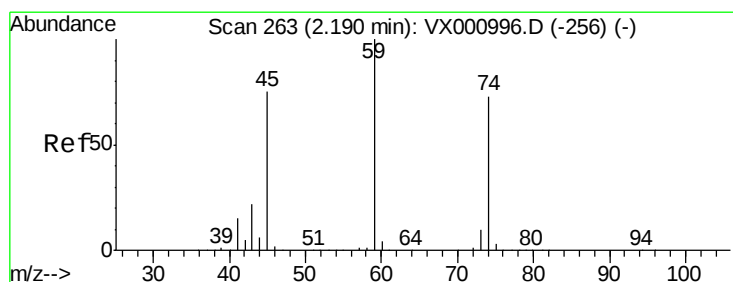
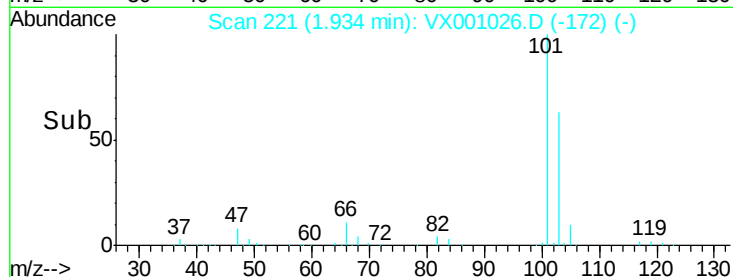
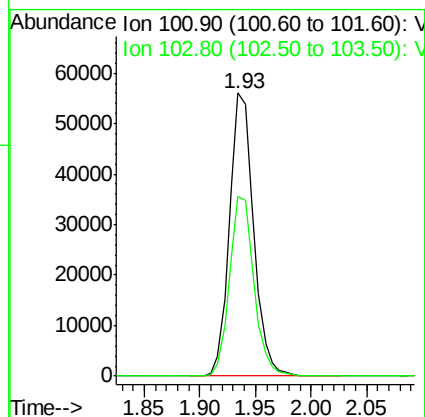
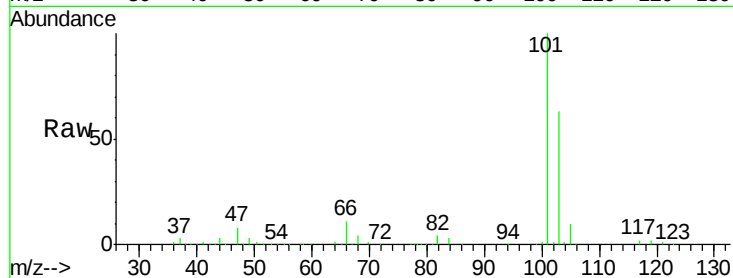
#7
 Trichlorofluoromethane
 Concen: 20.68 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Tgt Ion: 101 Resp: 84202
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.8 77.8

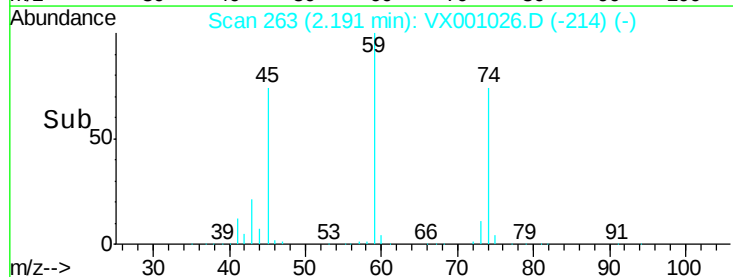
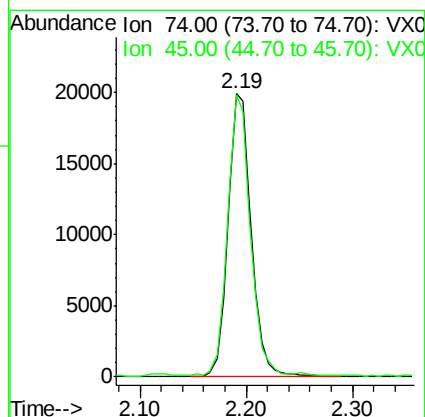
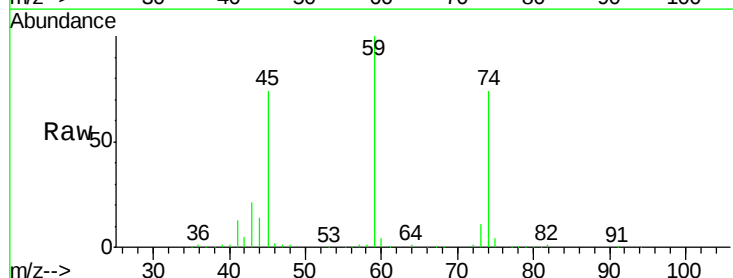
Manual Integrations
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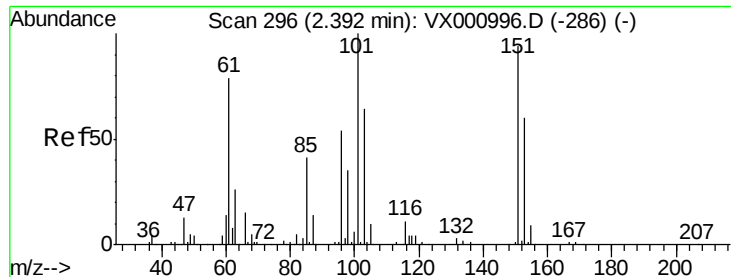
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#8
 Diethyl Ether
 Concen: 20.16 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001026.D
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Tgt Ion: 74 Resp: 30328
 Ion Ratio Lower Upper
 74 100
 45 96.9 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.88 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

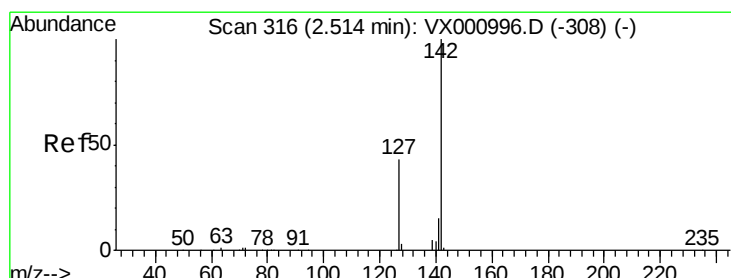
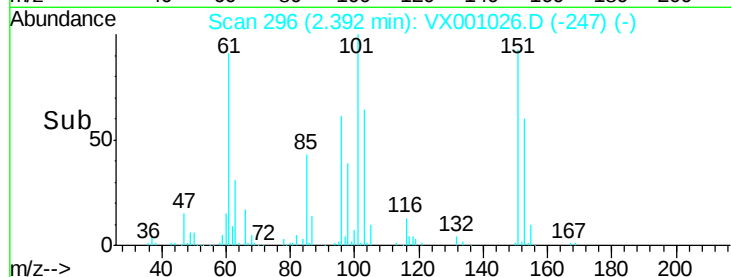
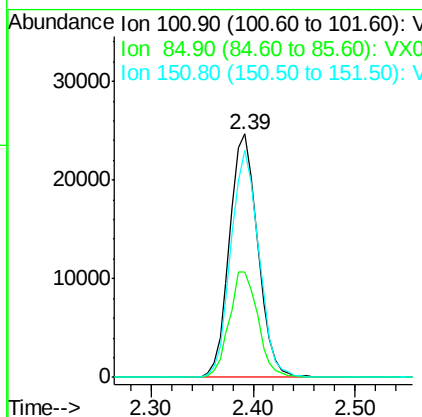
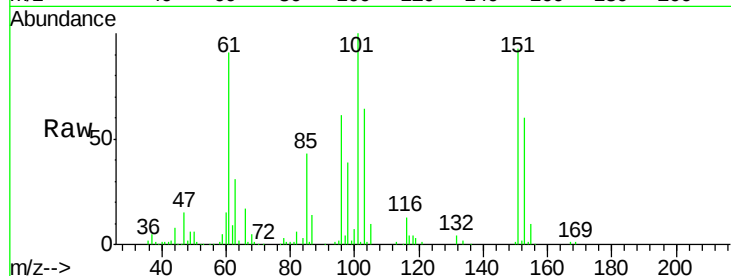
ClientSampleId :

VX0420WBSD02

Tgt Ion:	101	Resp:	47435
Ion Ratio	Lower	Upper	
101	100		
85	43.7	33.9	50.9
151	91.8	73.5	110.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.32 ug/l

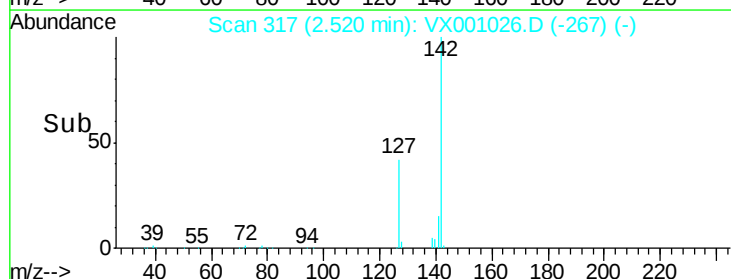
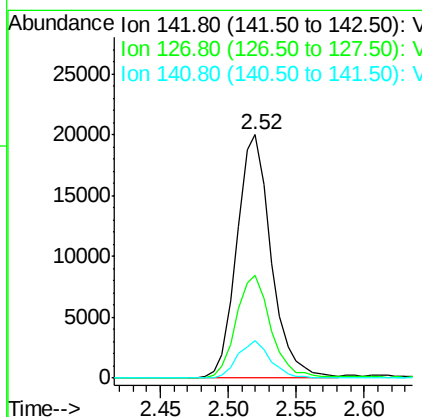
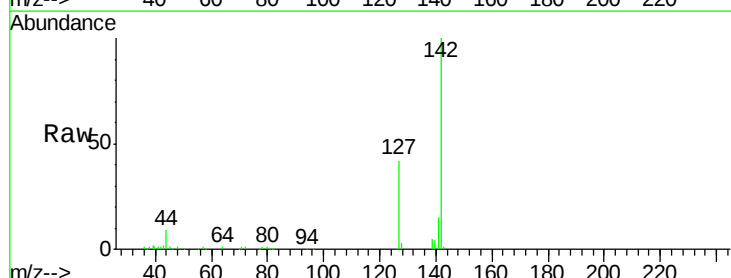
RT: 2.52 min Scan# 317

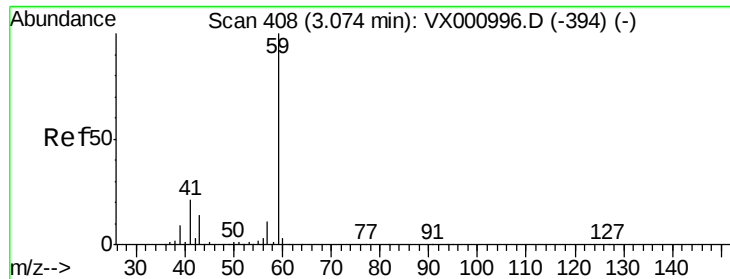
Delta R.T. 0.01 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Tgt Ion:	142	Resp:	35306
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.0	51.0
141	14.7	11.4	17.2





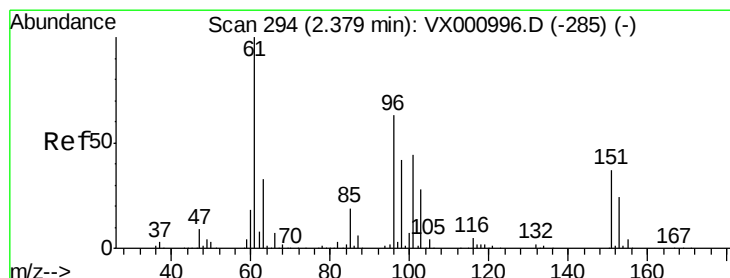
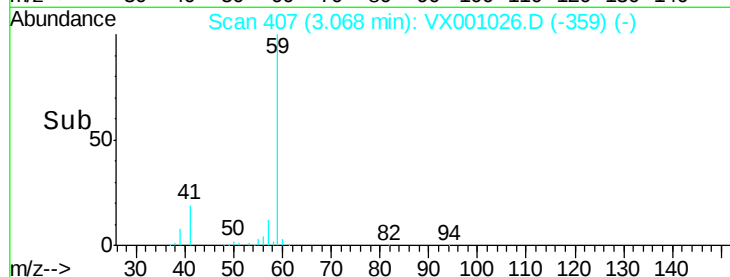
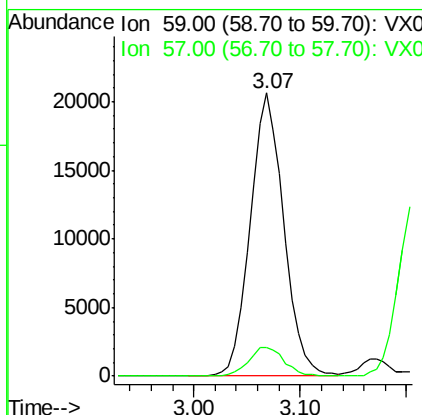
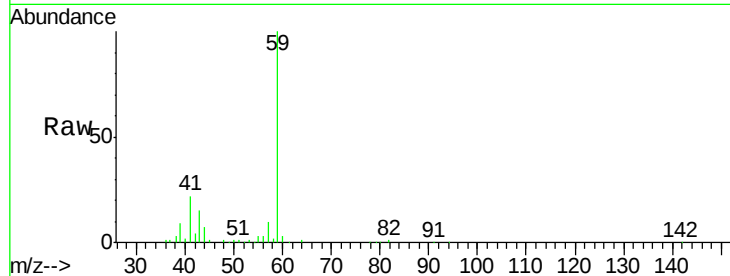
#11
Tert butyl alcohol
Concen: 105.51 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion: 59 Resp: 45678
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5

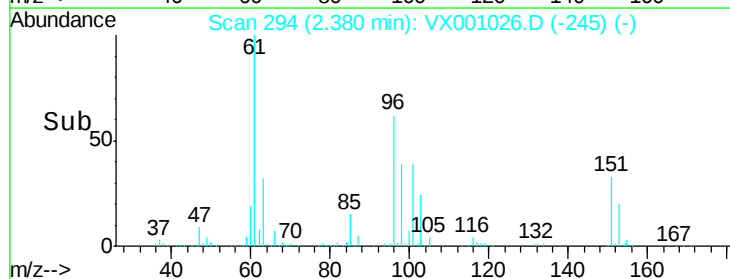
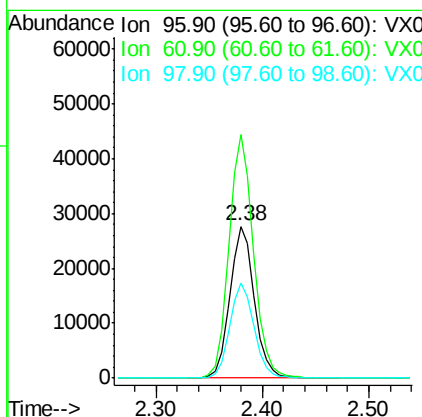
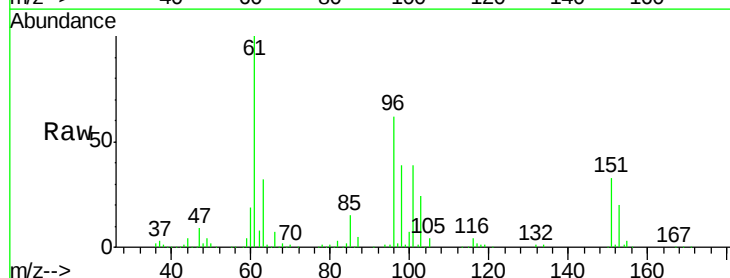
Manual Integrations
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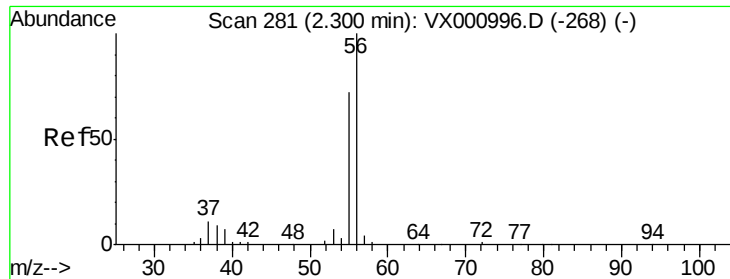
MMDadoda
4/23/2018 1:27:46 PM



#12
1,1-Dichloroethene
Concen: 20.19 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion: 96 Resp: 44549
Ion Ratio Lower Upper
96 100
61 160.1 126.4 189.6
98 62.9 52.6 78.8





#13

Acrolein

Concen: 117.48 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 56 Resp: 15028

Ion Ratio Lower Upper

56 100

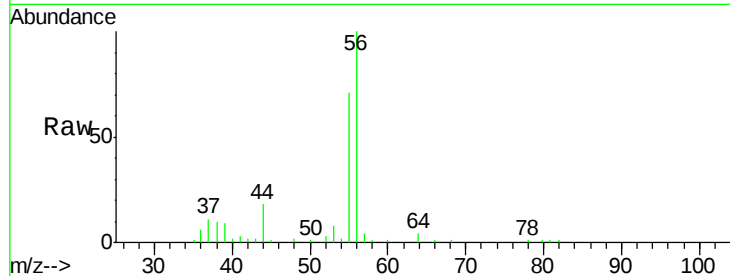
55 72.6 57.4 86.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10000

8000

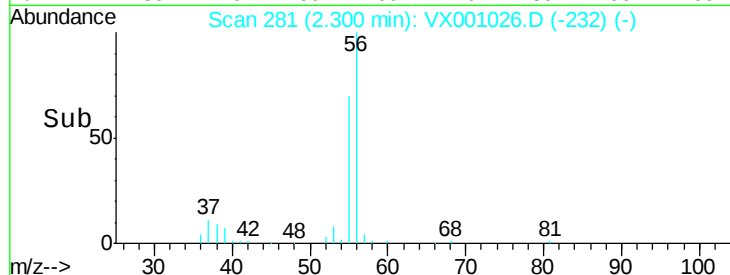
6000

4000

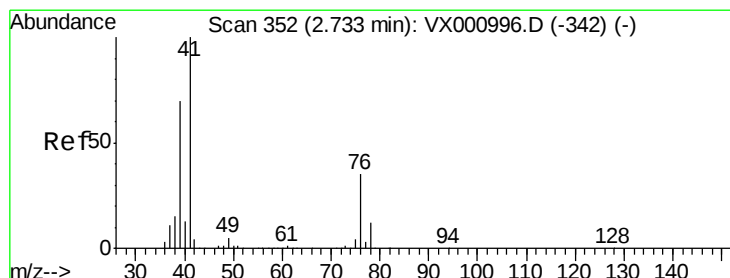
2000

0

Time-->



Time-->



#14

Allyl chloride

Concen: 19.46 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

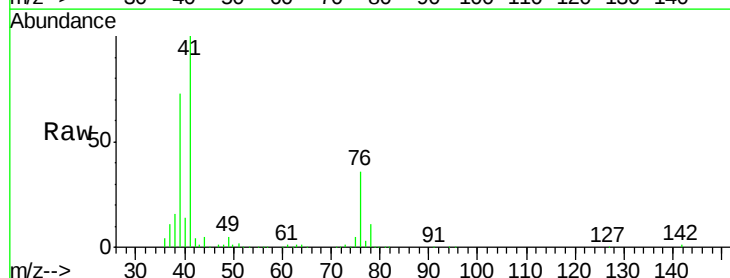
Tgt Ion: 41 Resp: 77695

Ion Ratio Lower Upper

41 100

39 68.1 53.0 79.6

76 32.1 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

50000

40000

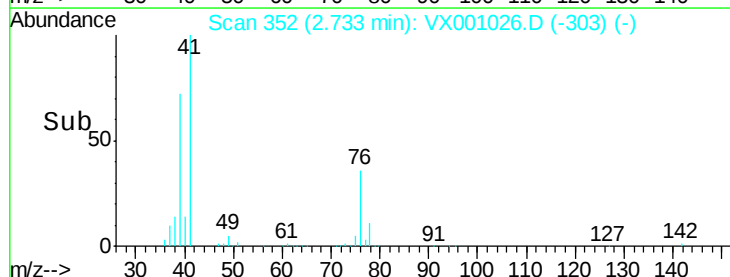
30000

20000

10000

0

Time-->



Time-->



#15

Acrylonitrile

Concen: 99.71 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

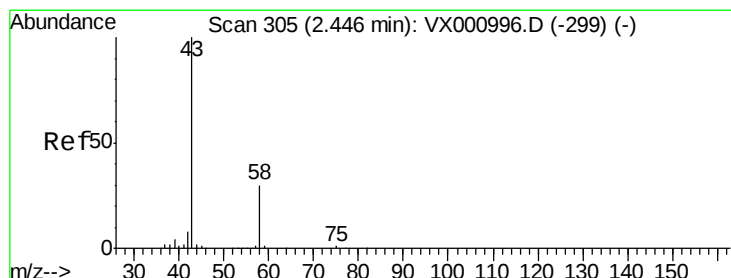
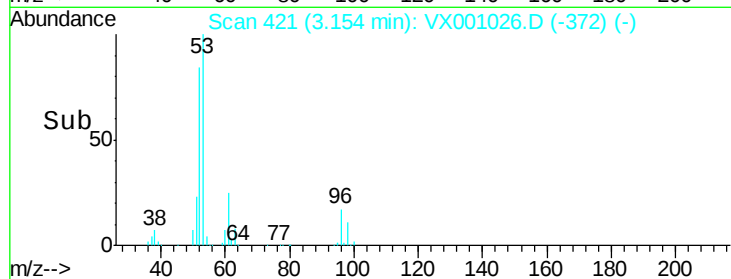
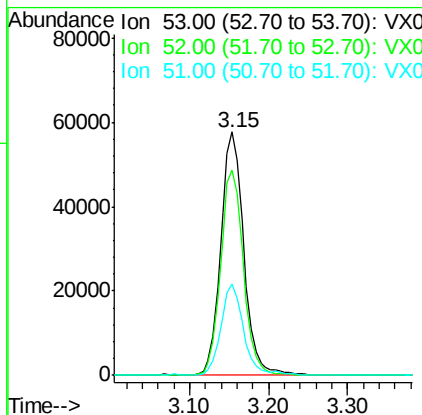
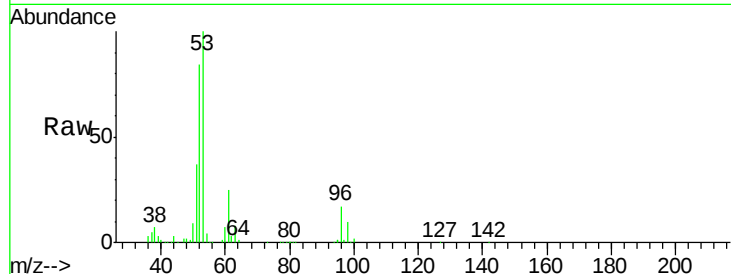
ClientSampleId :

VX0420WBSD02

Tgt Ion:	53	Resp:	116830
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.4	99.6
51	37.4	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 95.63 ug/l

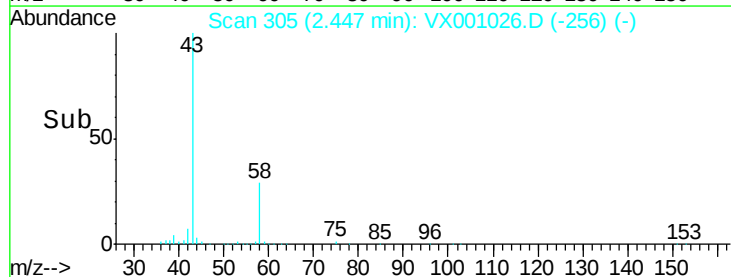
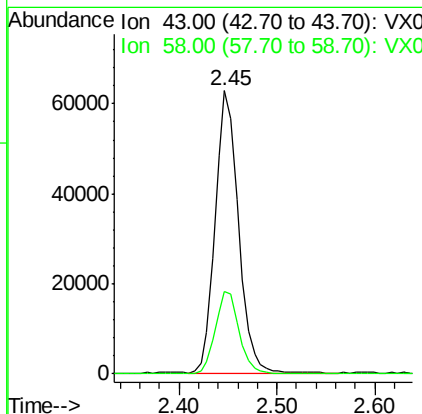
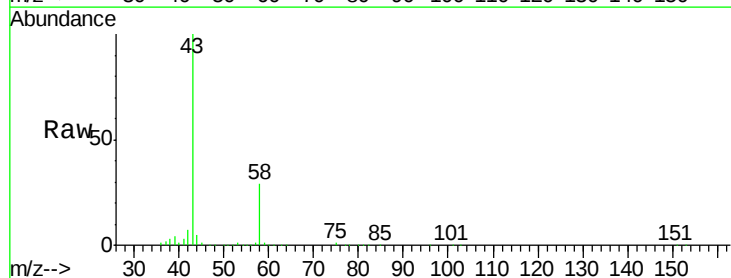
RT: 2.45 min Scan# 305

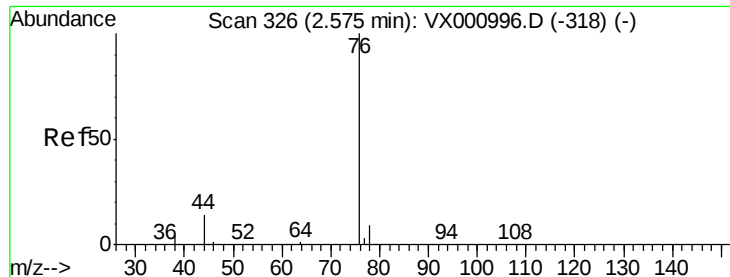
Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Tgt Ion:	43	Resp:	103376
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.7	35.5





#17

Carbon Disulfide

Concen: 18.65 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 76 Resp: 117287

Ion Ratio Lower Upper

76 100

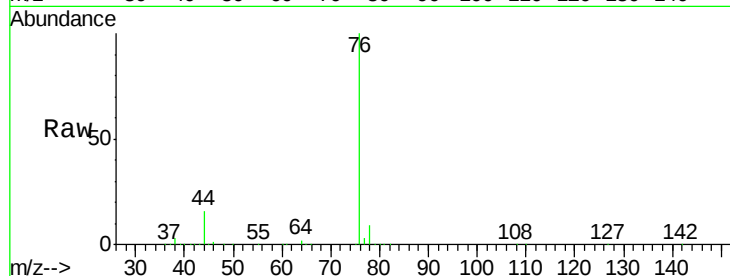
78 9.2 7.3 10.9

Manual Integrations

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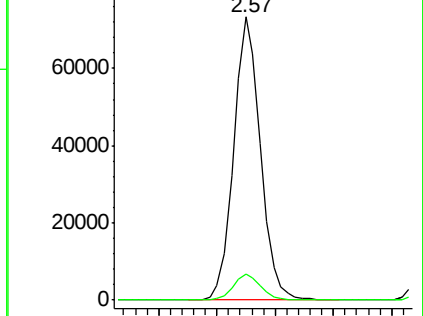
MMDadoda

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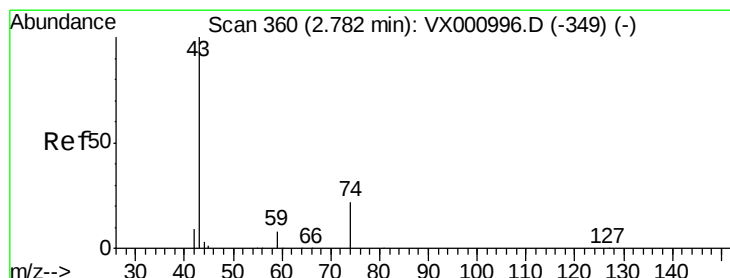
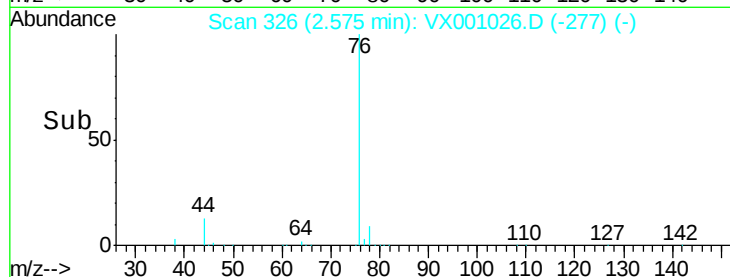


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 22.37 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001026.D

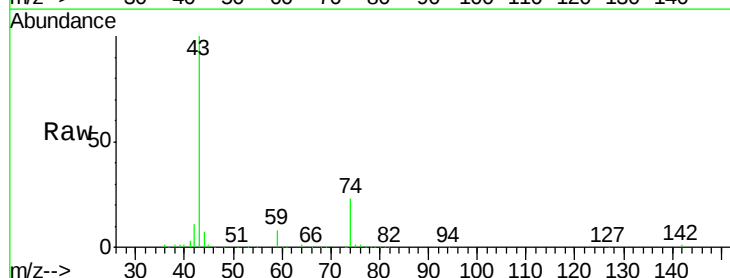
Acq: 20 Apr 2018 23:30

Tgt Ion: 43 Resp: 73178

Ion Ratio Lower Upper

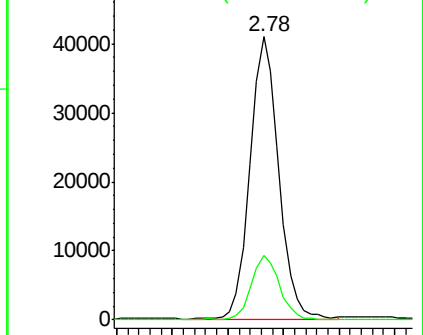
43 100

74 23.2 18.3 27.5

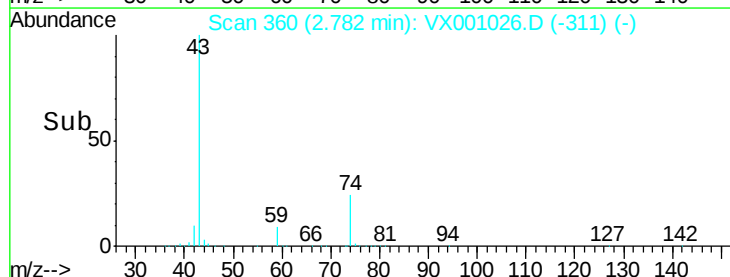


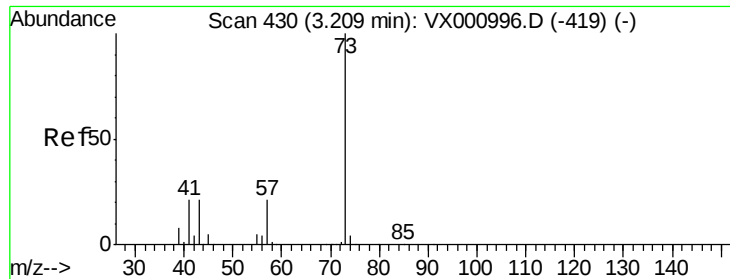
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





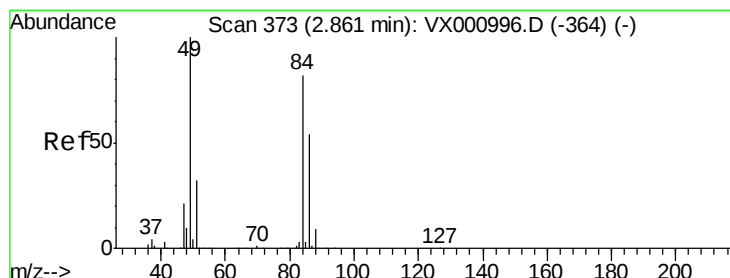
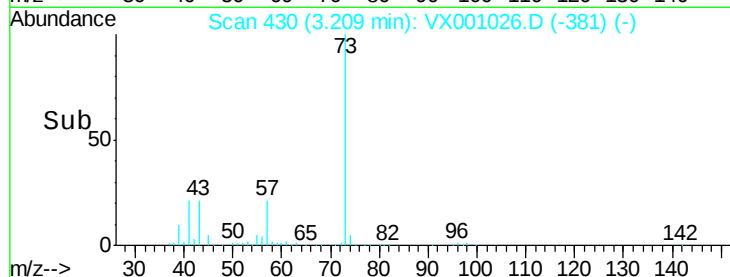
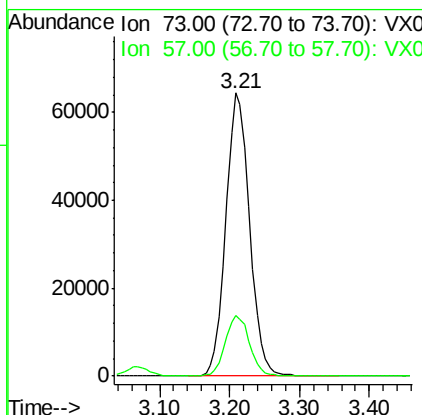
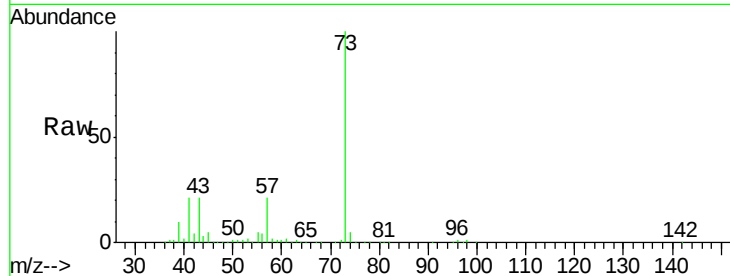
#19
Methyl tert-butyl Ether
Concen: 20.47 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion: 73 Resp: 151863
Ion Ratio Lower Upper
73 100
57 21.3 17.1 25.7

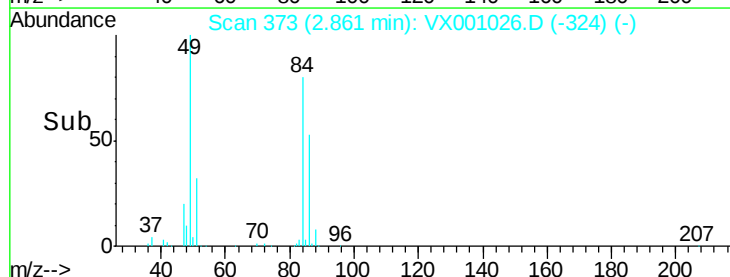
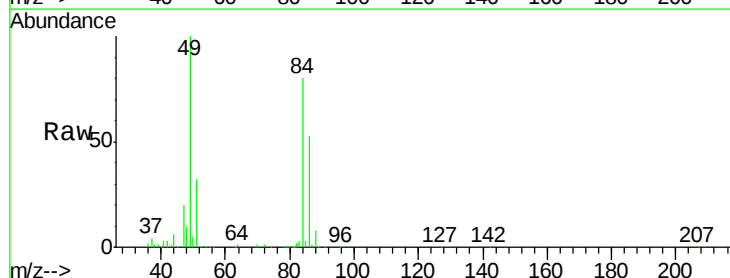
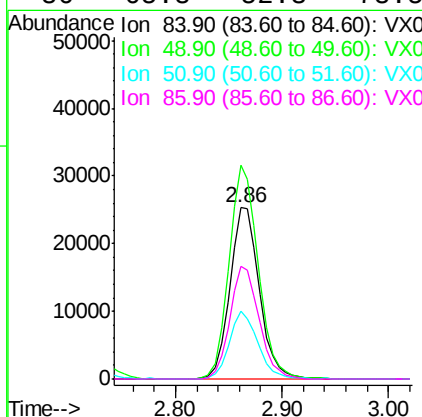
Manual Integrations
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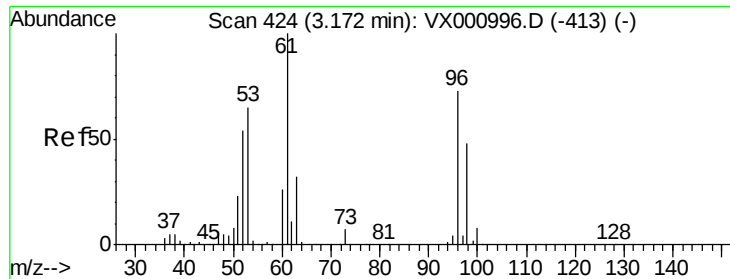
MMDadoda
4/23/2018 1:27:46 PM



#20
Methylene Chloride
Concen: 20.65 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion: 84 Resp: 49098
Ion Ratio Lower Upper
84 100
49 124.7 97.1 145.7
51 39.6 30.8 46.2
86 65.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.25 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 96 Resp: 47289

Ion Ratio Lower Upper

96 100

61 140.5 109.4 164.2

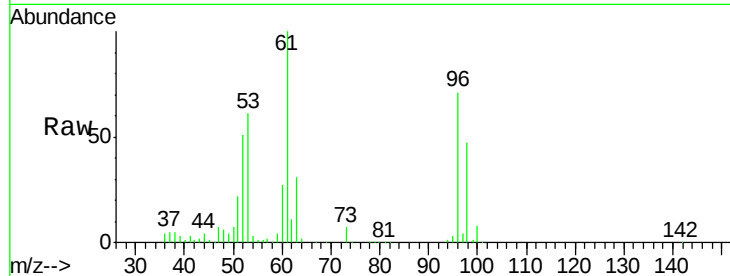
98 66.0 52.6 78.8

Manual Integrations

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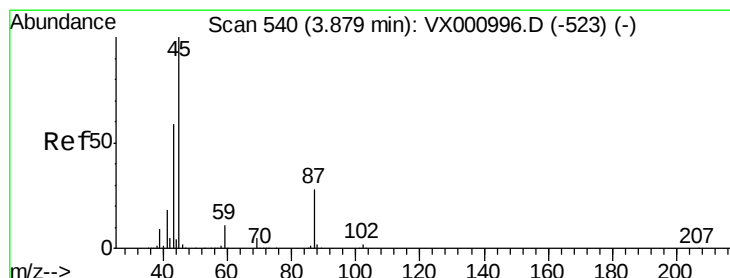
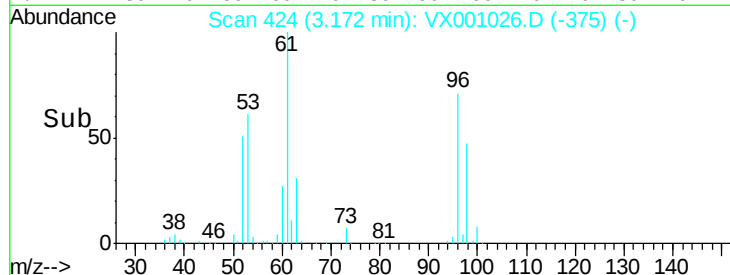
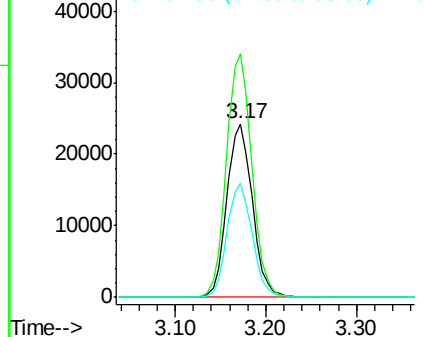
4/23/2018 1:27:46 PM



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: 20.32 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Tgt Ion: 45 Resp: 157080

Ion Ratio Lower Upper

45 100

43 66.6 47.0 70.4

87 25.7 22.5 33.7

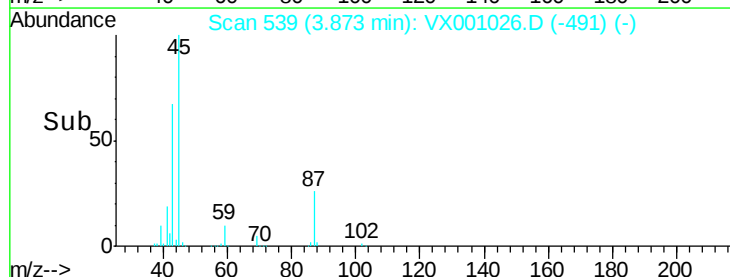
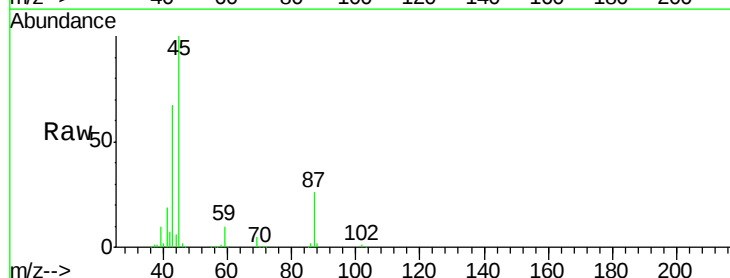
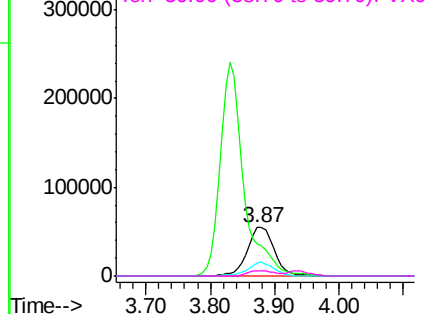
59 10.5 8.8 13.2

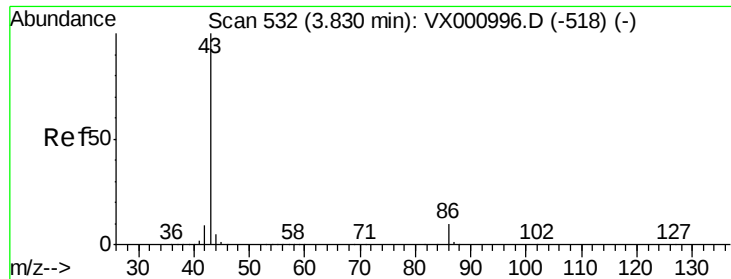
Abundance Ion 45.00 (44.70 to 45.70): VX0

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





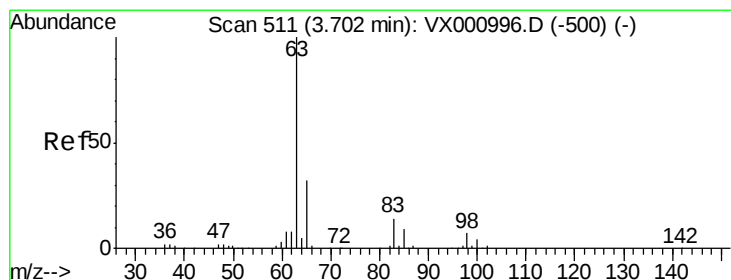
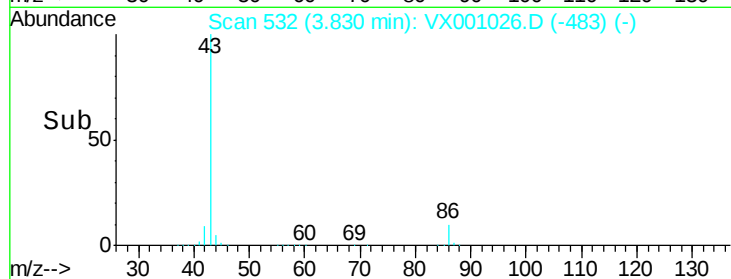
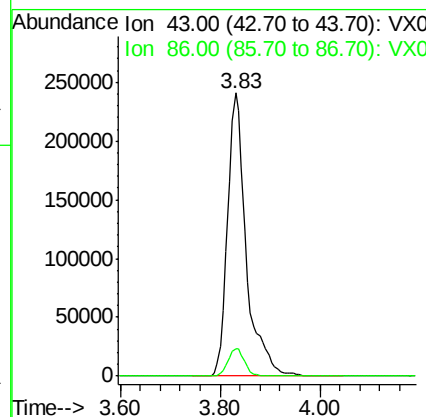
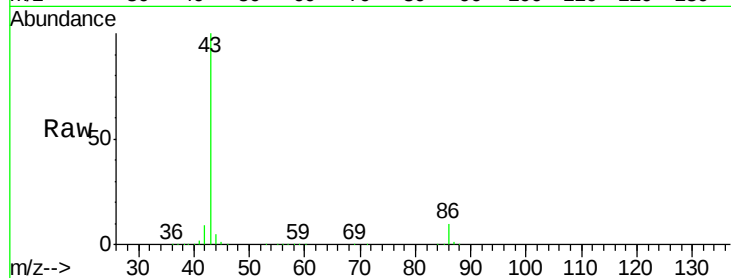
#23
 Vinyl Acetate
 Concen: 98.18 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

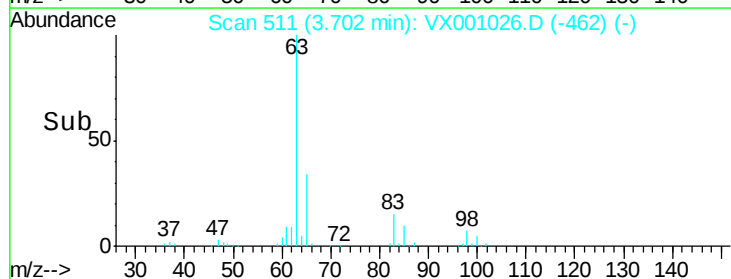
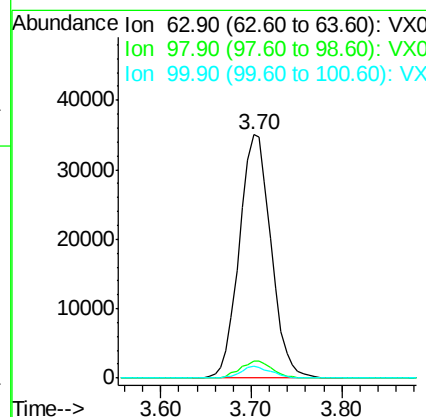
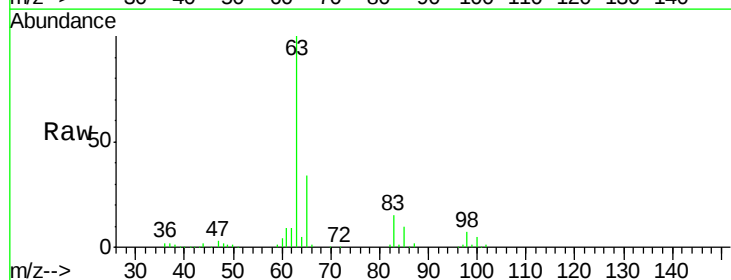
Manual Integrations
 APPROVED

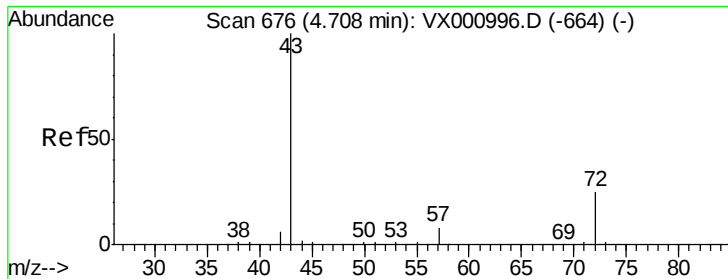
MMDadoda
 4/23/2018 1:27:46 PM



#24
 1,1-Dichloroethane
 Concen: 19.61 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	4.9	2.1	6.3





#25

2-Butanone

Concen: 98.97 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 43 Resp: 167010

Ion Ratio Lower Upper

43 100

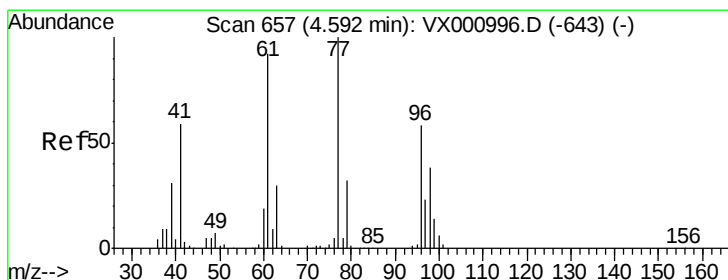
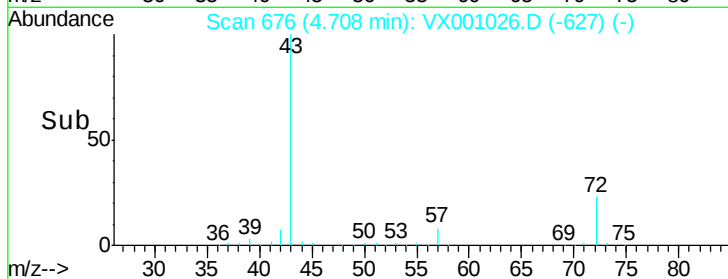
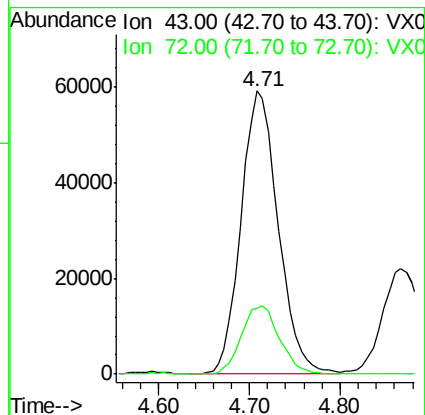
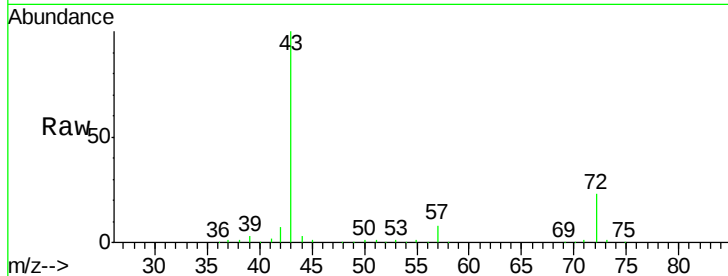
72 23.2 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 17.04 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001026.D

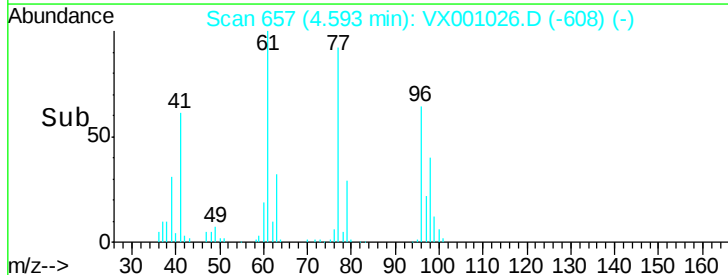
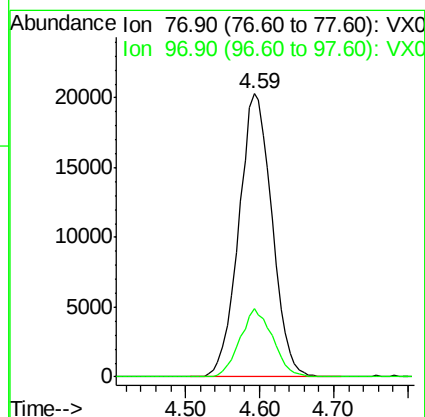
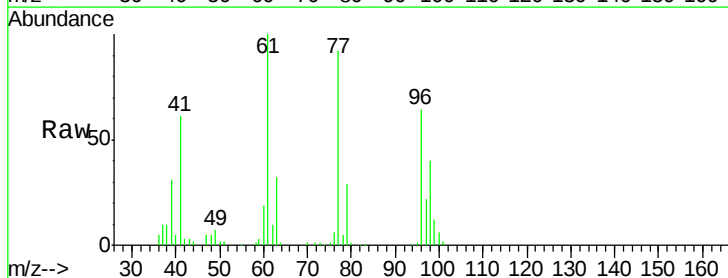
Acq: 20 Apr 2018 23:30

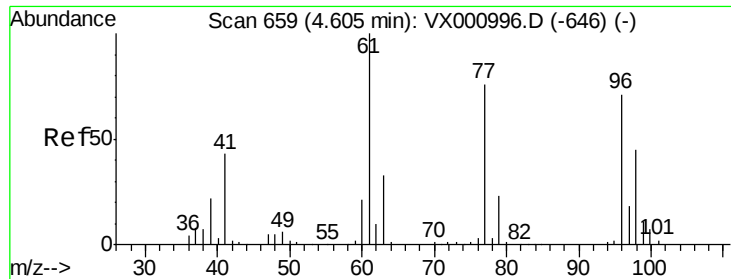
Tgt Ion: 77 Resp: 63540

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 19.94 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

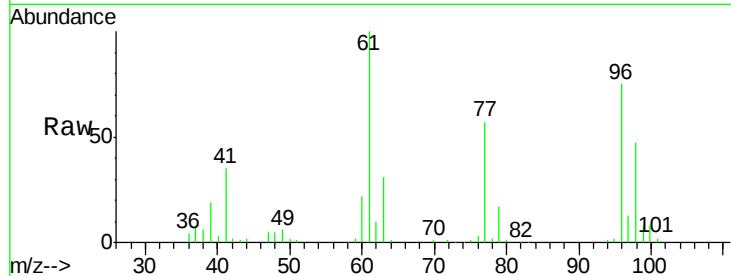
ClientSampleId :

VX0420WBSD02

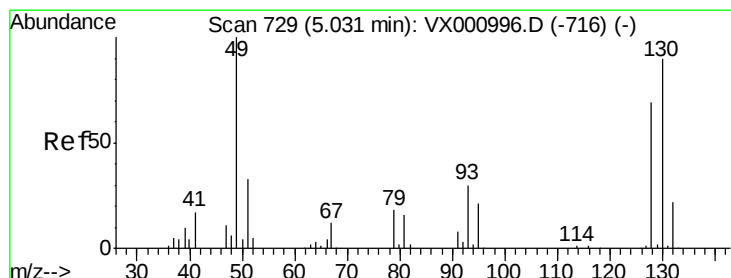
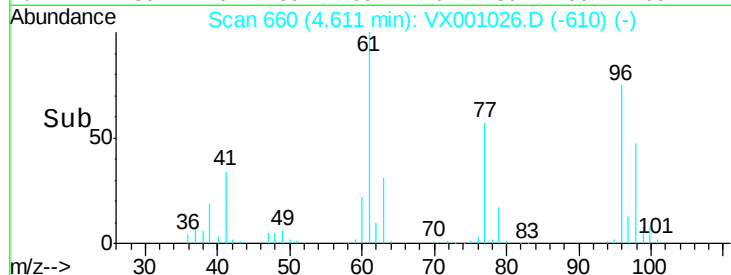
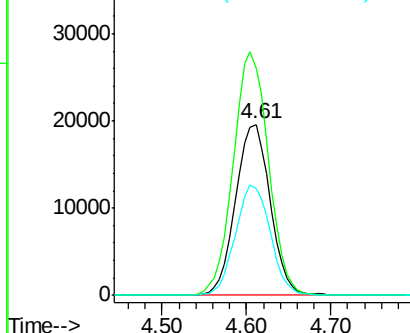
Tgt Ion:	96	Resp:	54565
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	297.0
98	65.2	0.0	130.0

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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



#28

Bromochloromethane

Concen: 19.87 ug/l

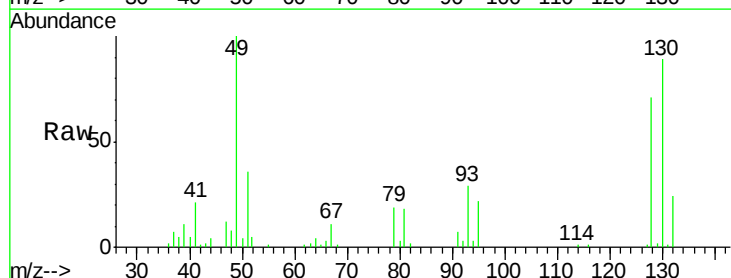
RT: 5.03 min Scan# 729

Delta R.T. 0.00 min

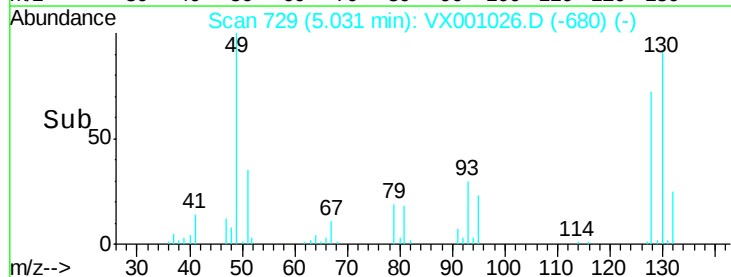
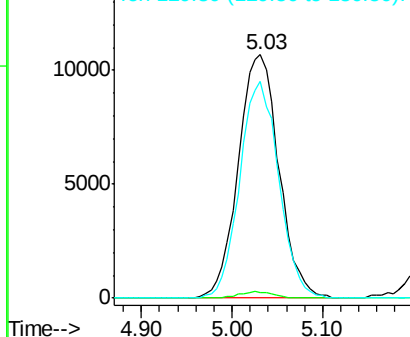
Lab File: VX001026.D

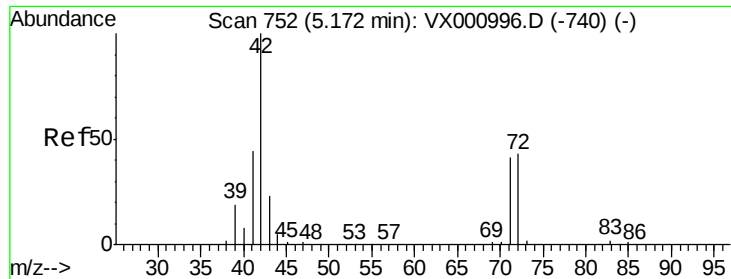
Acq: 20 Apr 2018 23:30

Tgt Ion:	49	Resp:	33137
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	85.3	70.6	105.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





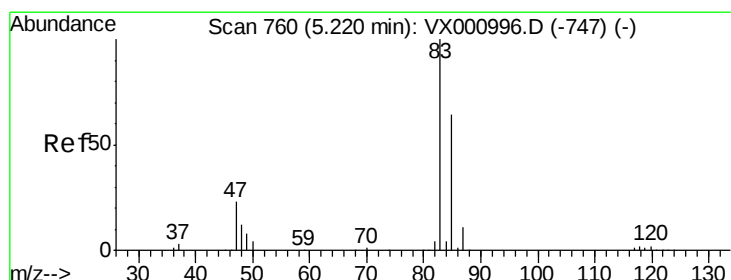
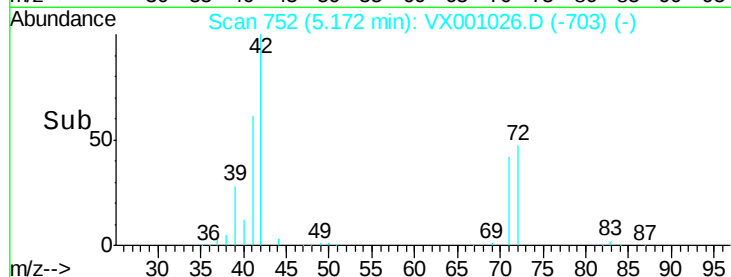
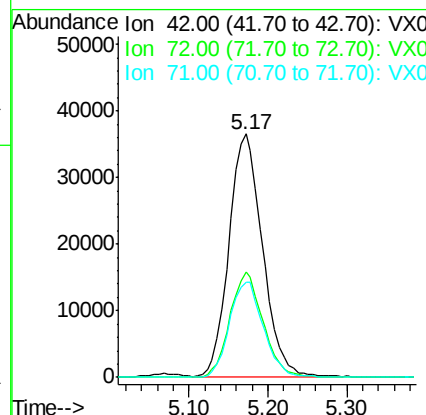
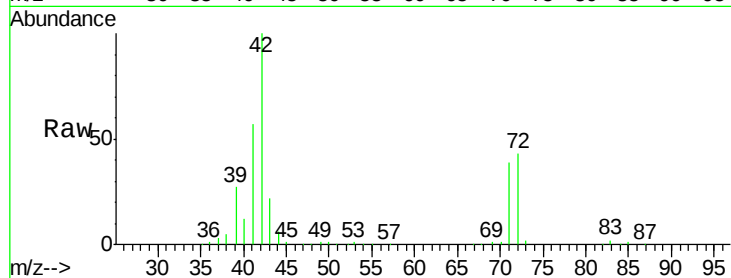
#29
Tetrahydrofuran
Concen: 101.03 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	52.0
71	40.0	32.6	49.0

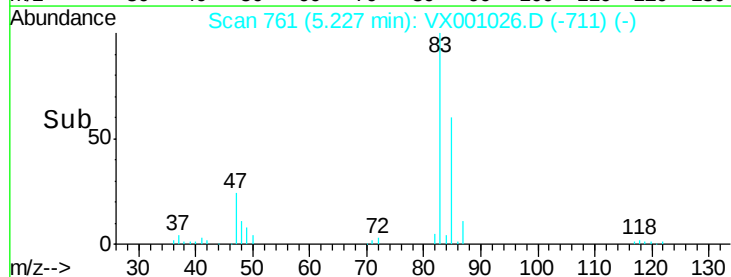
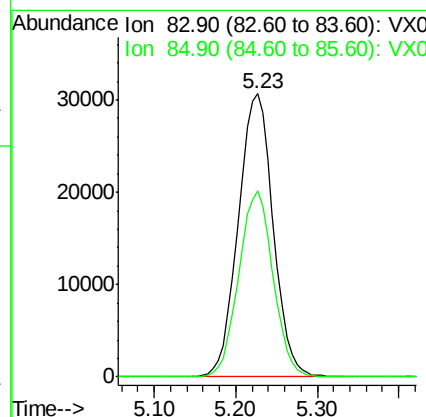
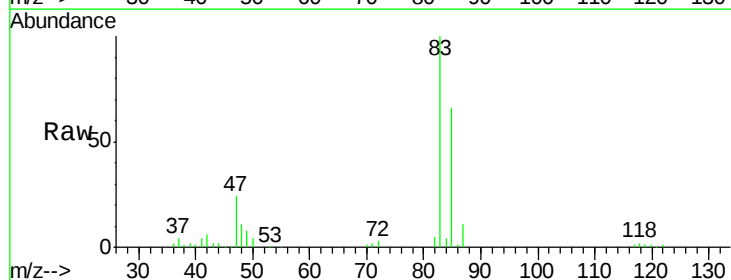
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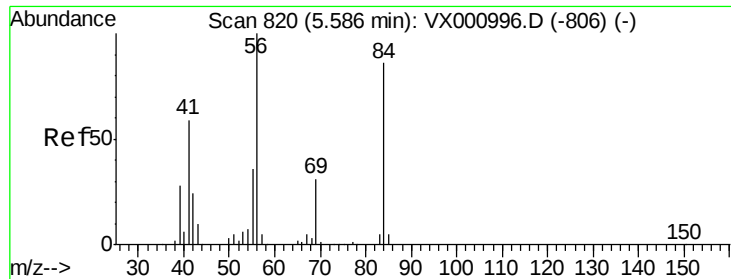
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#30
Chloroform
Concen: 20.18 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.3	76.9





#31

Cyclohexane

Concen: 19.23 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 56 Resp: 77821

Ion Ratio Lower Upper

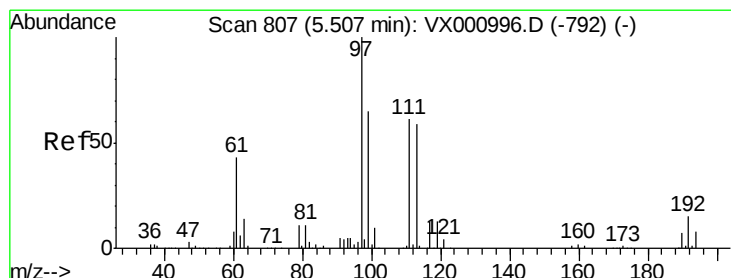
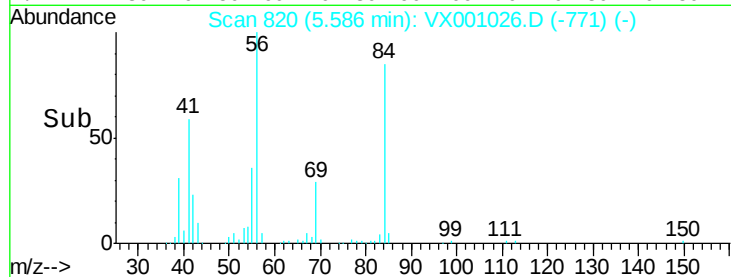
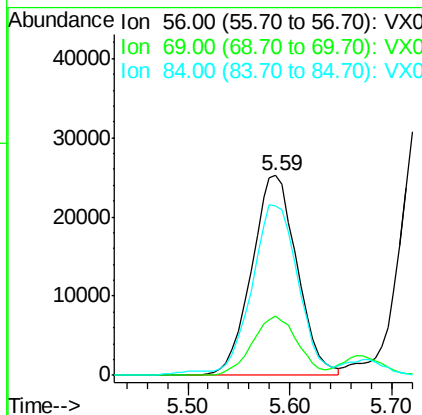
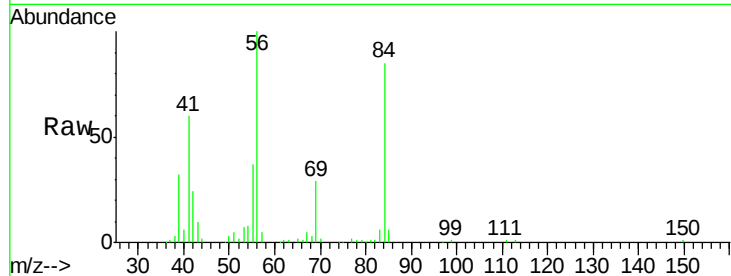
56 100

69 29.4 24.6 36.8

84 82.7 69.0 103.6

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#32

1,1,1-Trichloroethane

Concen: 19.94 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

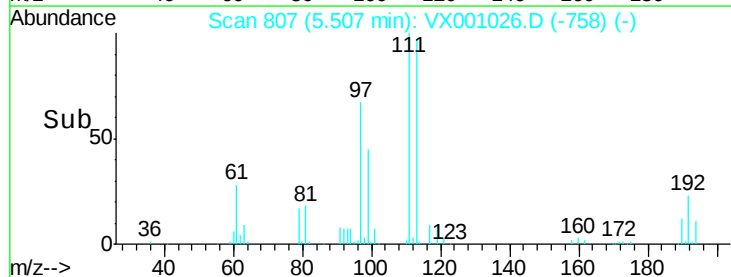
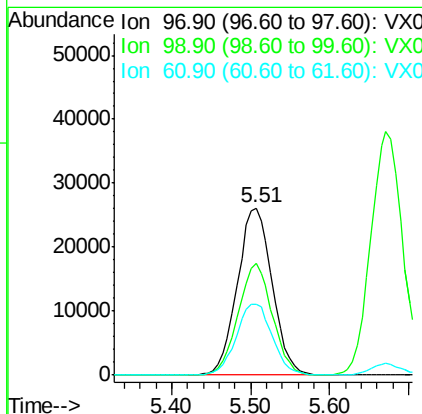
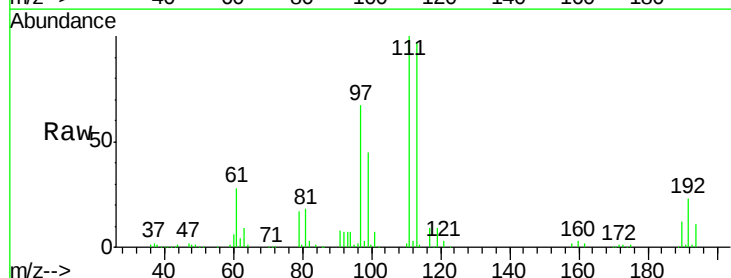
Tgt Ion: 97 Resp: 80265

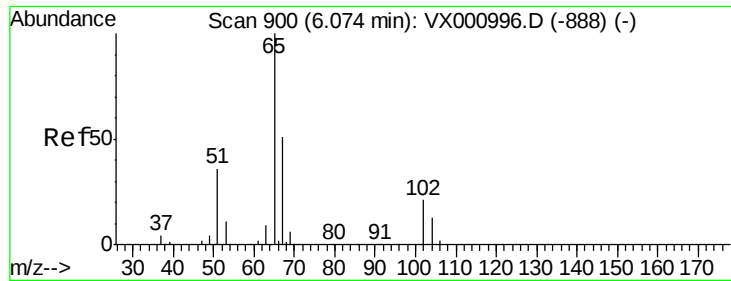
Ion Ratio Lower Upper

97 100

99 65.5 51.1 76.7

61 43.9 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 48.07 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 65 Resp: 137999

Ion Ratio Lower Upper

65 100

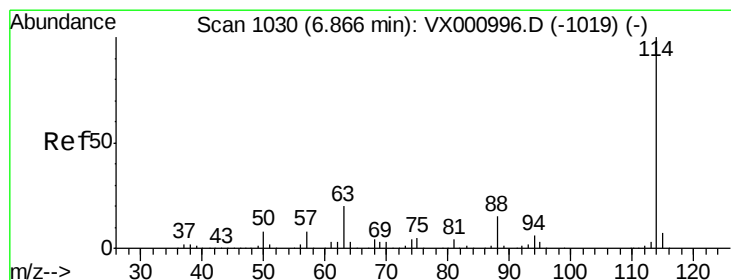
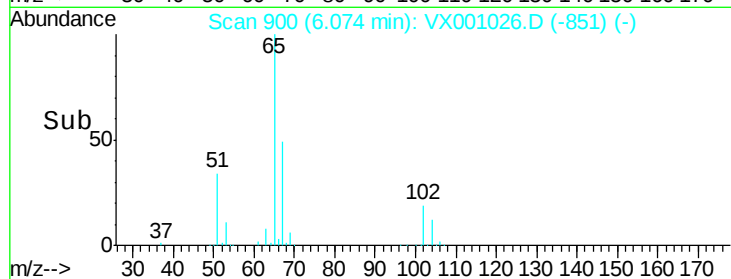
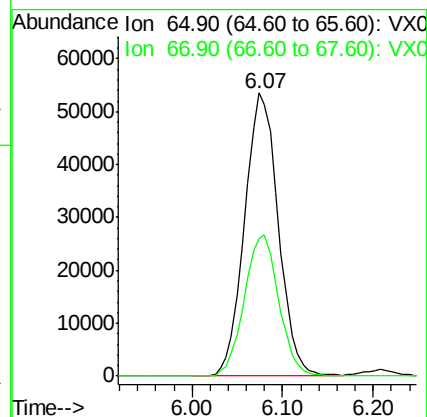
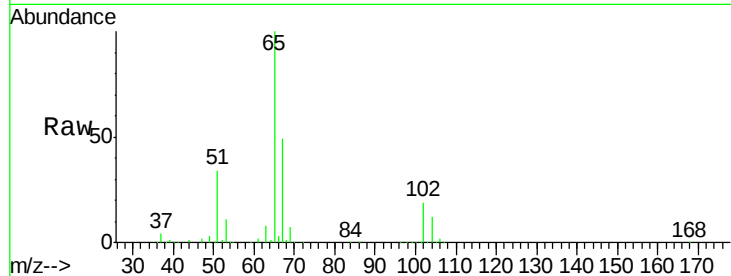
67 50.7 0.0 102.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

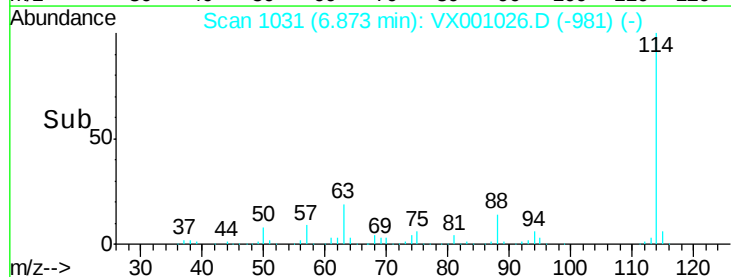
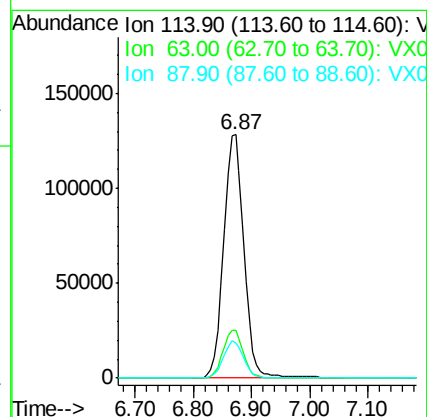
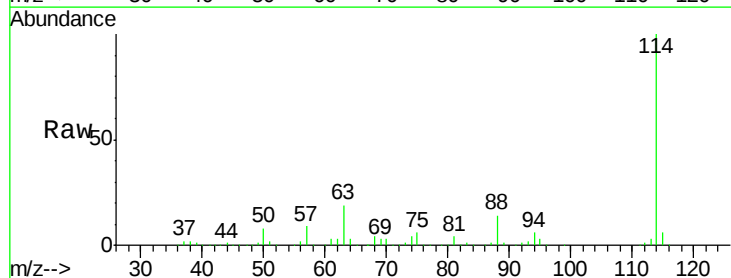
Tgt Ion: 114 Resp: 310054

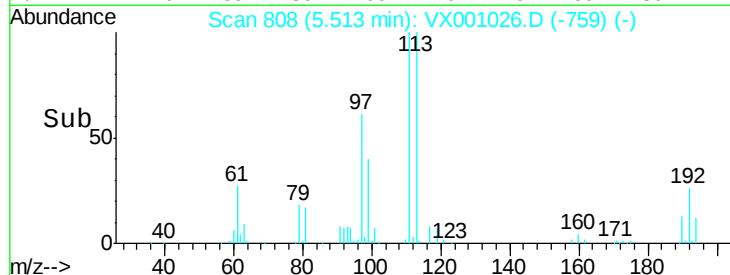
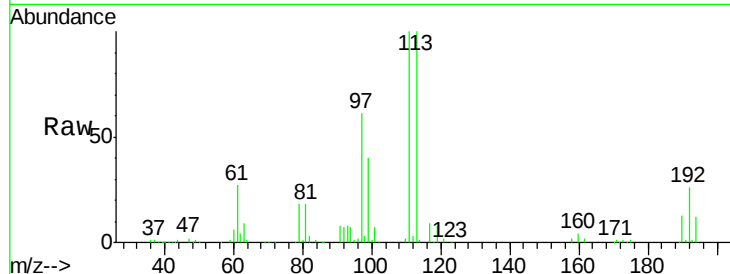
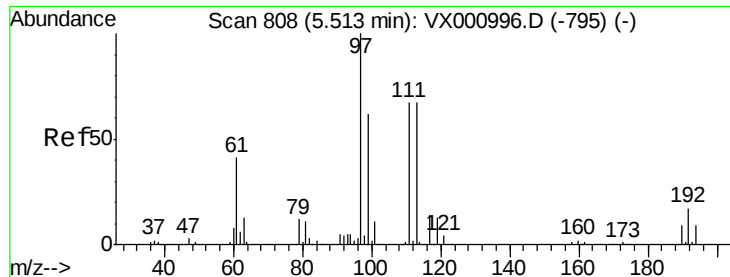
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

88 14.4 0.0 29.8





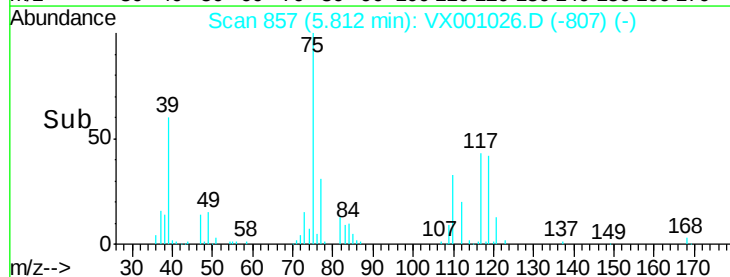
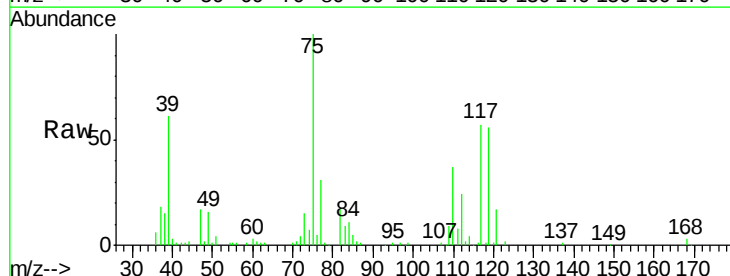
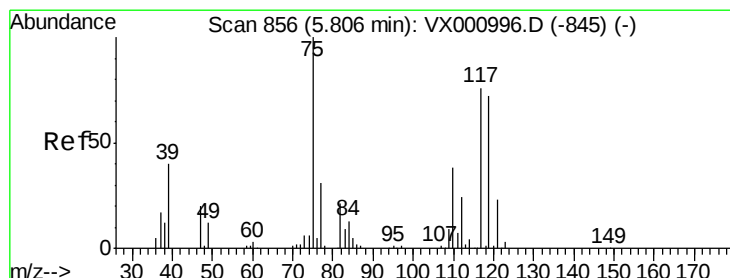
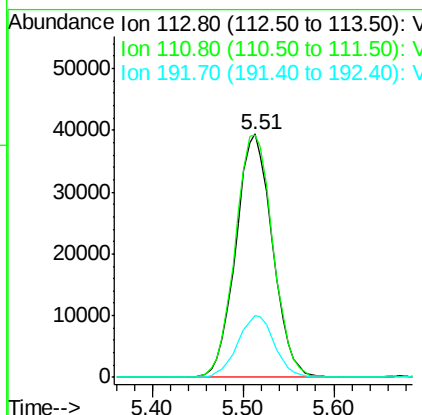
#35
Dibromofluoromethane
Concen: 46.50 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	109948		
111	102.9	81.4	122.2	
192	25.6	20.4	30.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

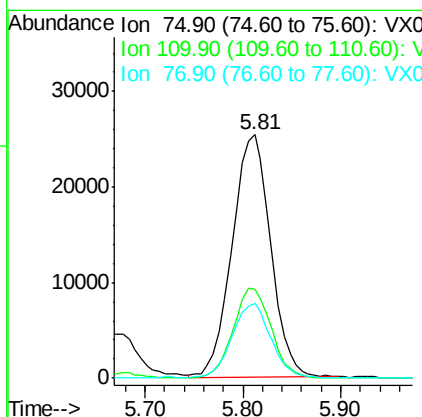
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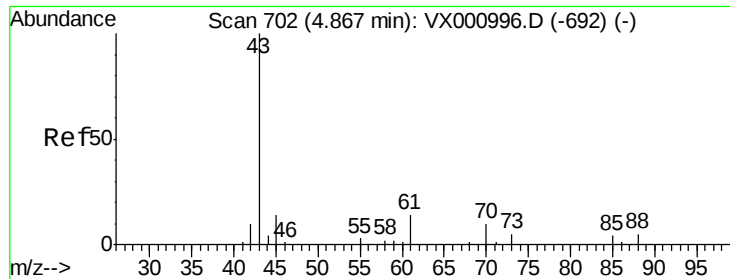
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#36
1,1-Dichloropropene
Concen: 18.99 ug/l
RT: 5.81 min Scan# 857
Delta R.T. 0.01 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69207		
110	37.0	18.7	56.1	
77	31.3	25.0	37.4	





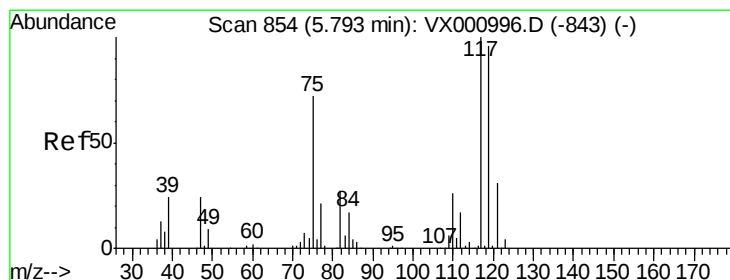
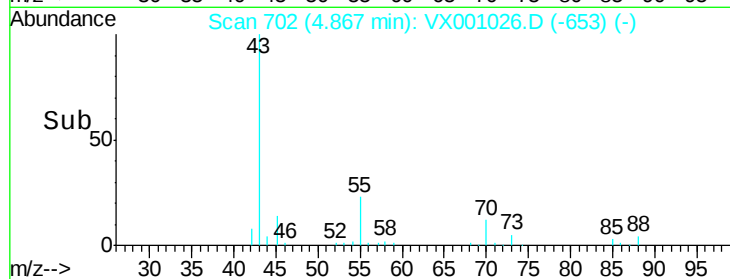
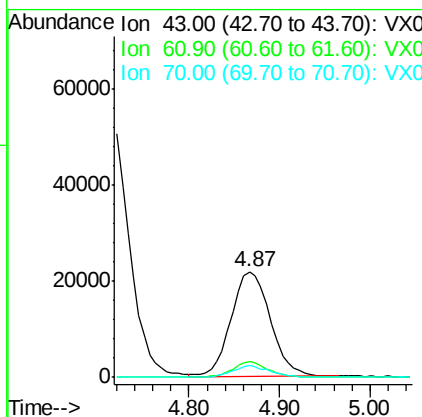
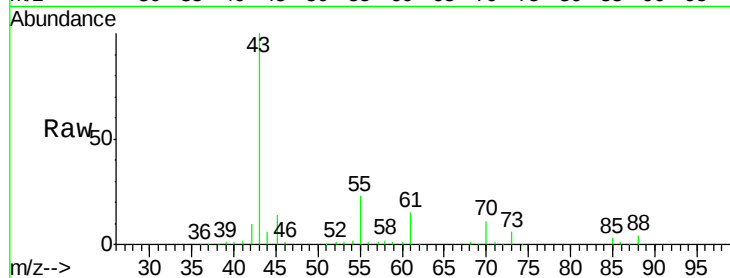
#37
Ethyl Acetate
Concen: 19.43 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	10.5	8.3	12.5

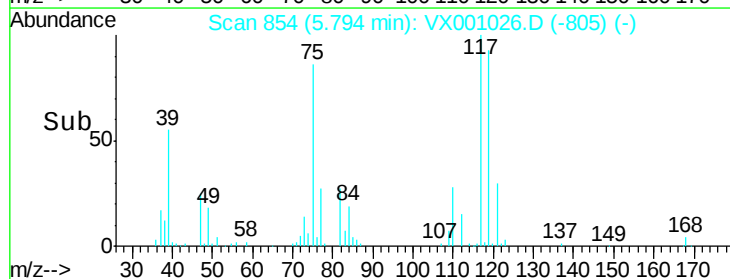
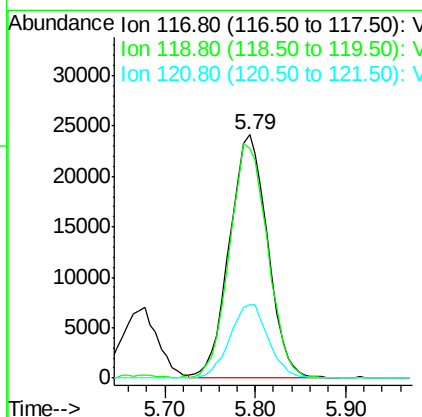
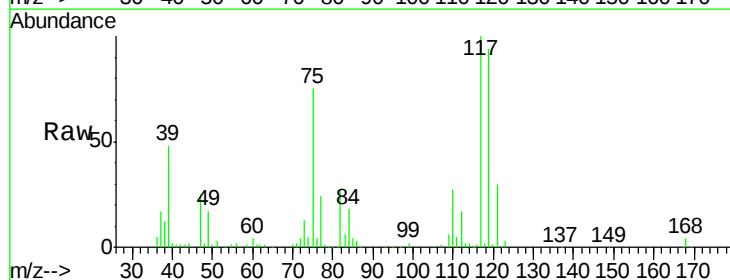
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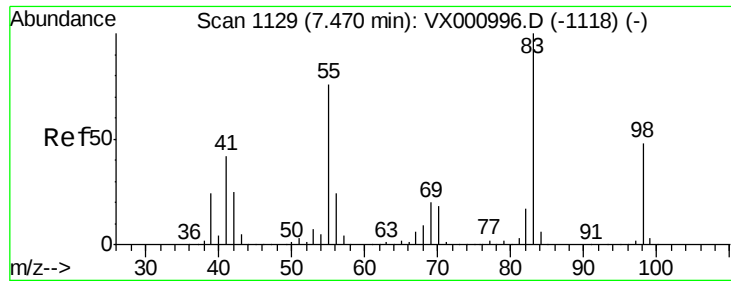
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#38
Carbon Tetrachloride
Concen: 19.02 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.5	114.7
121	30.3	24.5	36.7





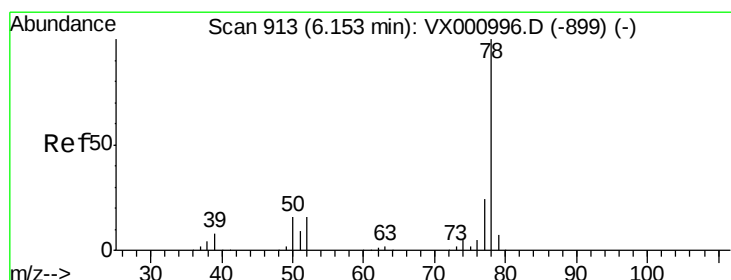
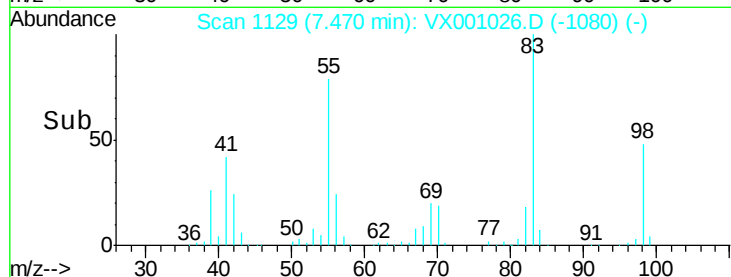
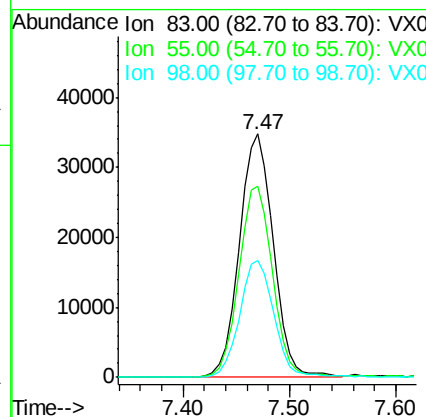
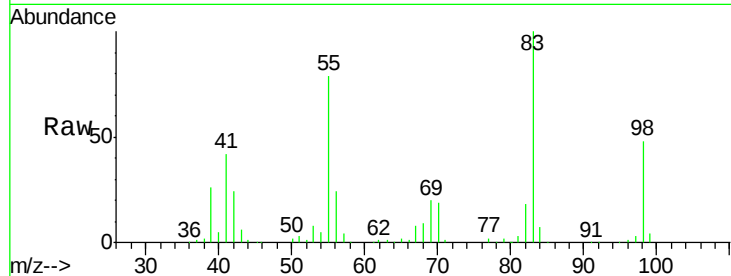
#39
Methylcyclohexane
Concen: 18.40 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.4	60.6	91.0
98	48.2	38.2	57.4

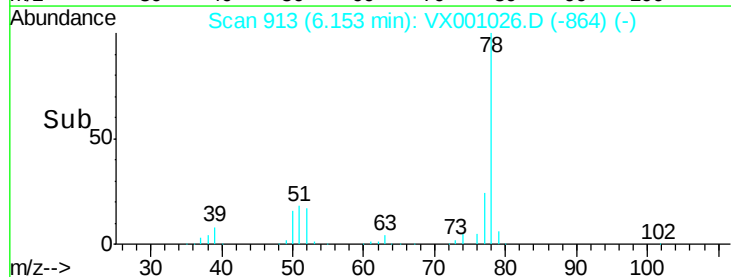
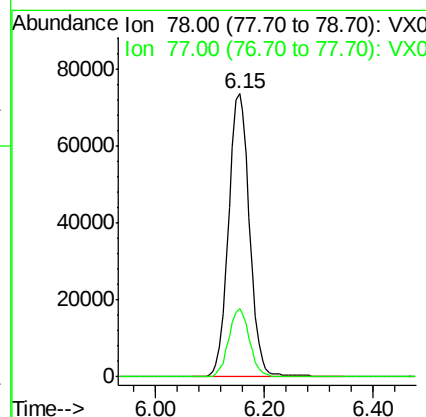
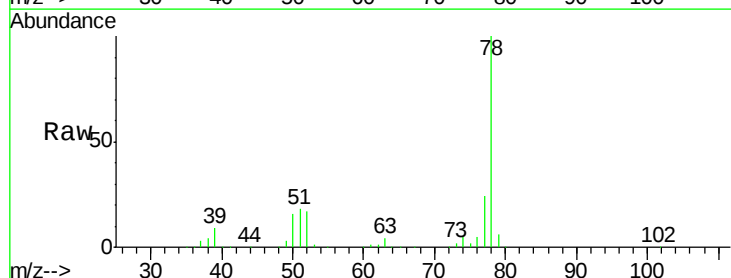
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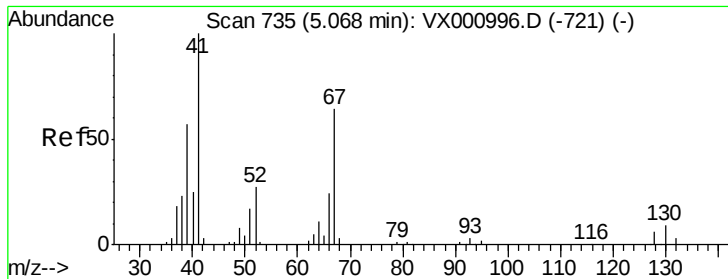
MMDadoda
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#40
Benzene
Concen: 19.59 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.9	28.3





#41

Methacrylonitrile

Concen: 18.95 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

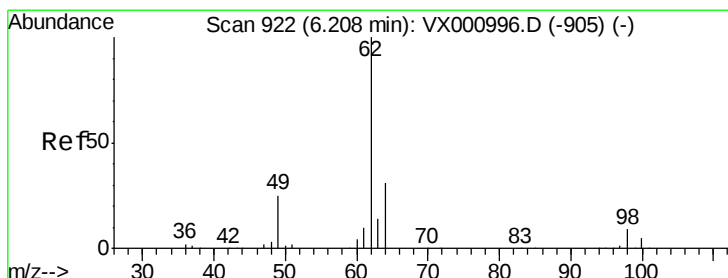
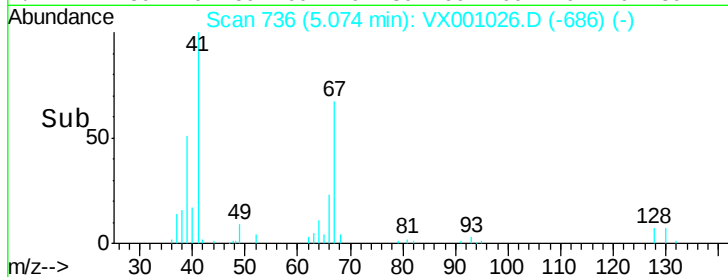
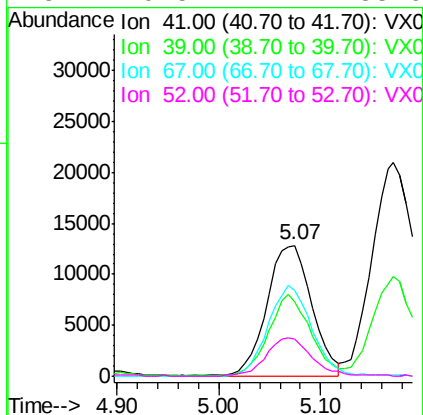
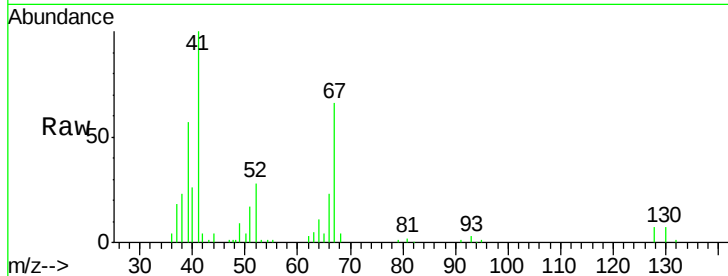
ClientSampleId :

VX0420WBSD02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.0	45.2	67.8	
67	66.5	53.8	80.8	
52	29.5	22.4	33.6	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.00 ug/l

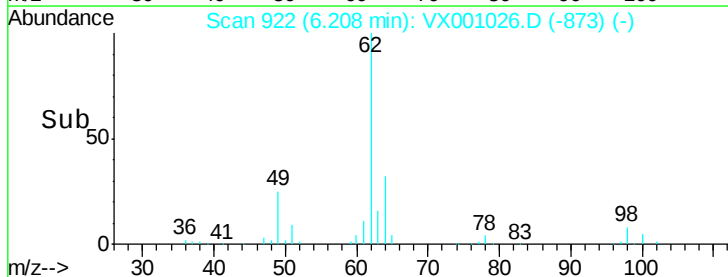
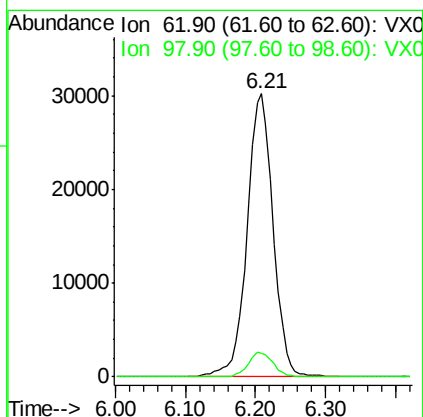
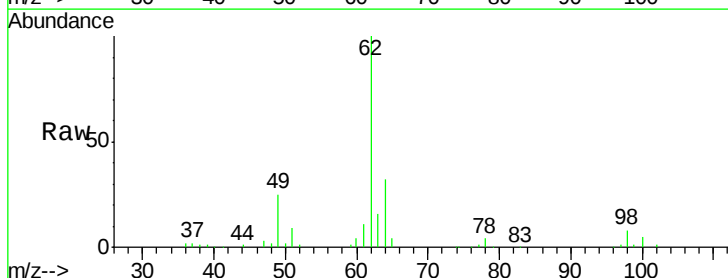
RT: 6.21 min Scan# 922

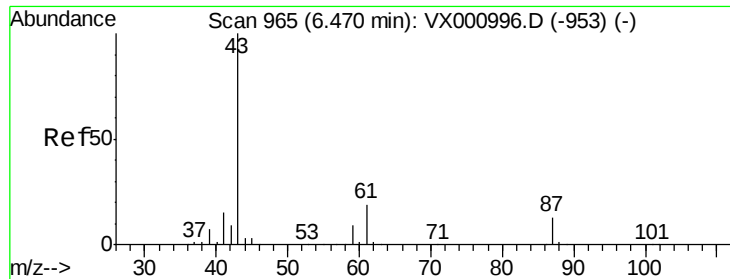
Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

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





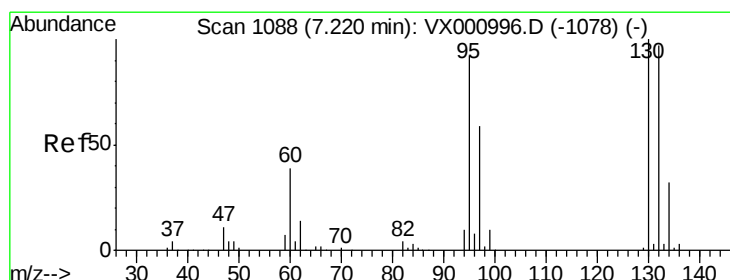
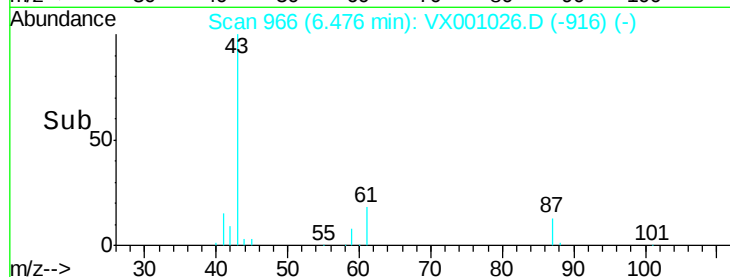
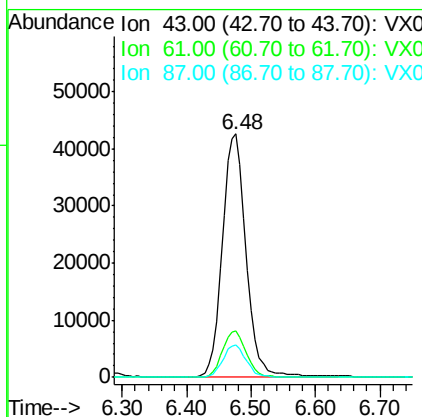
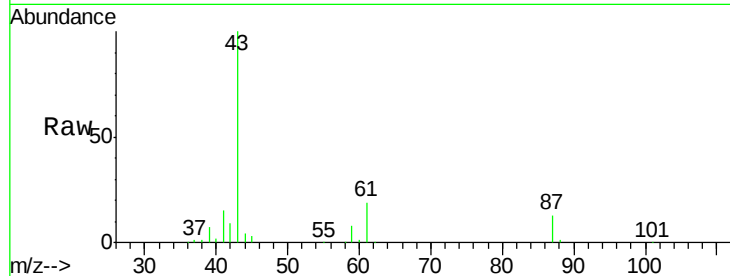
#43
Isopropyl Acetate
Concen: 19.23 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.01 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.2
87	13.1	10.6	15.8

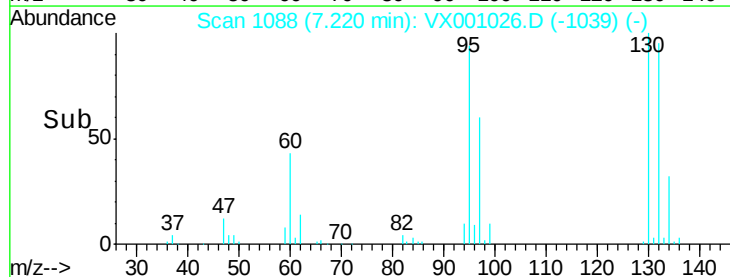
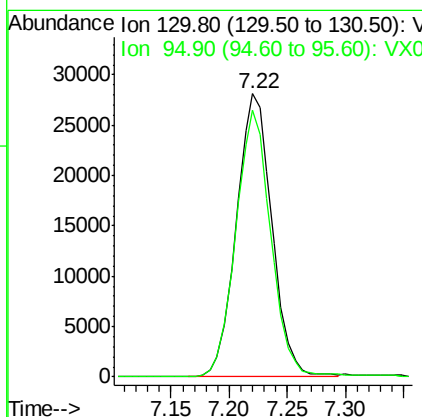
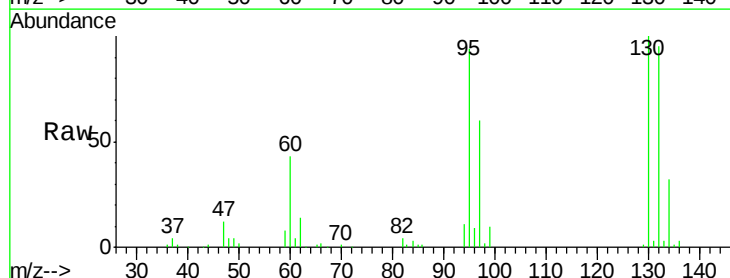
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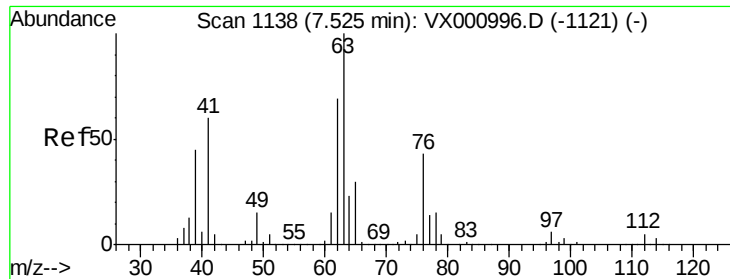
MMDadoda
4/23/2018 1:27:46 PM



#44
Trichloroethene
Concen: 19.25 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	184.2





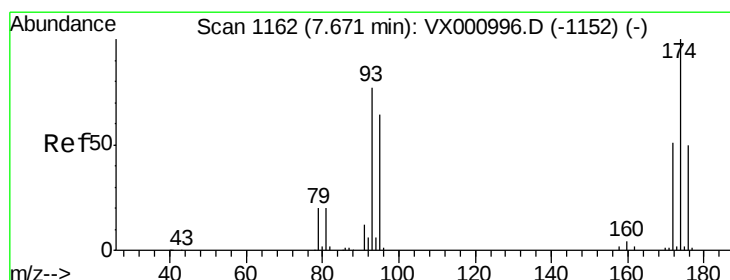
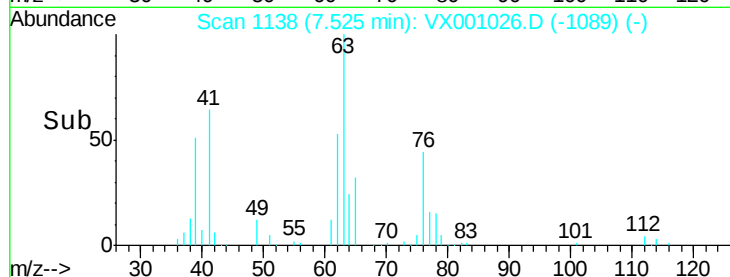
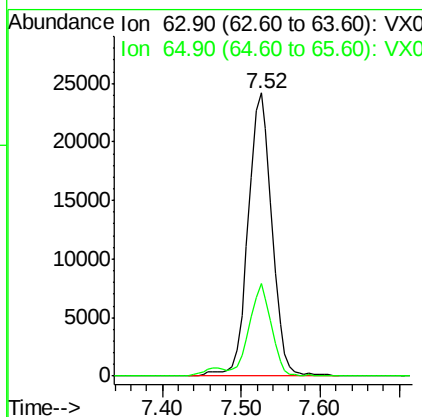
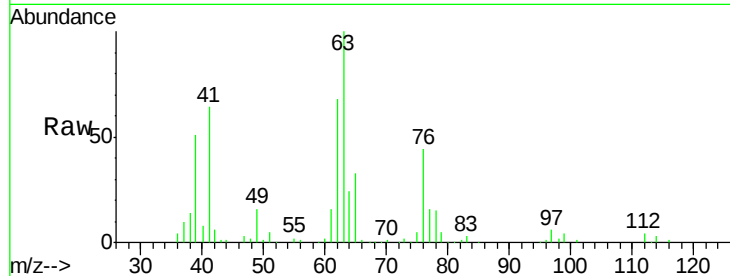
#45
 1,2-Dichloropropane
 Concen: 19.94 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Tgt Ion: 63 Resp: 50788
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.4 36.6

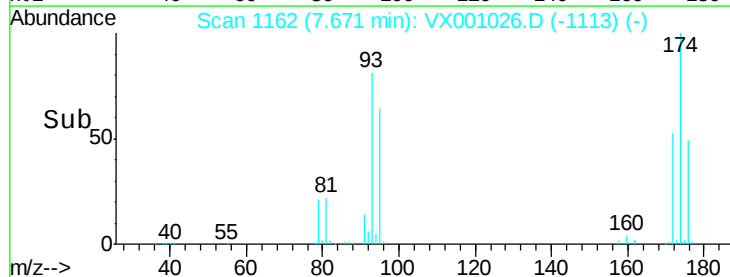
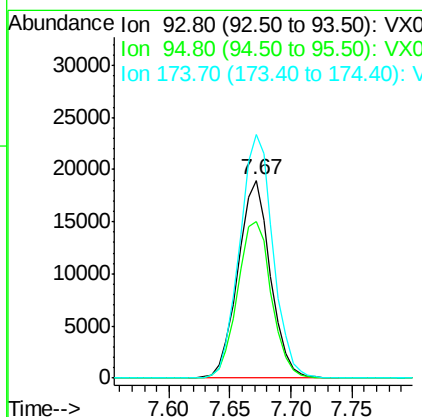
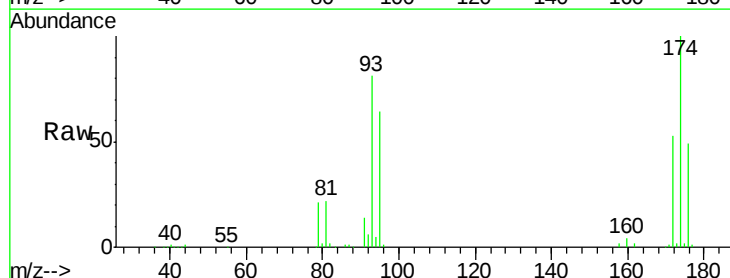
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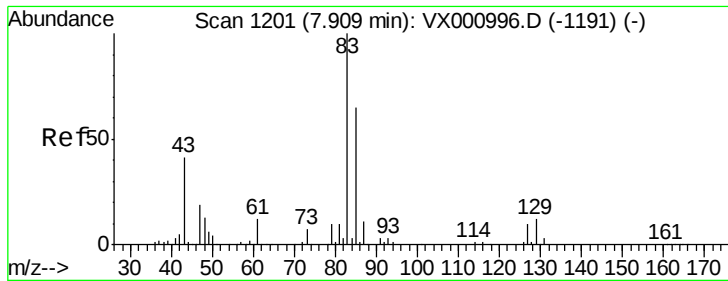
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 4/23/2018 1:27:46 PM



#46
 Dibromomethane
 Concen: 19.59 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Tgt Ion: 93 Resp: 34865
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 126.6 101.8 152.6





#47

Bromodichloromethane

Concen: 19.62 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

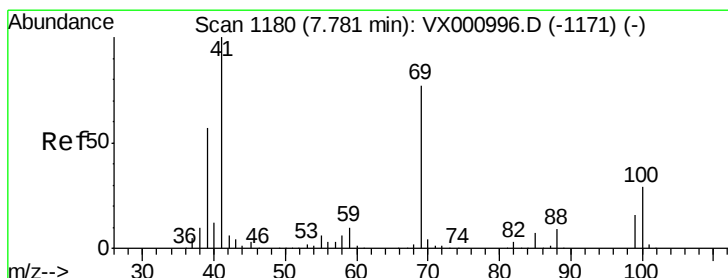
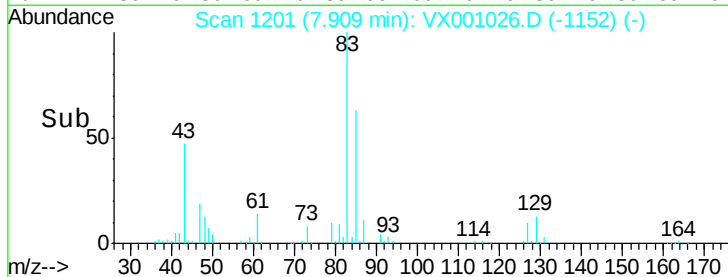
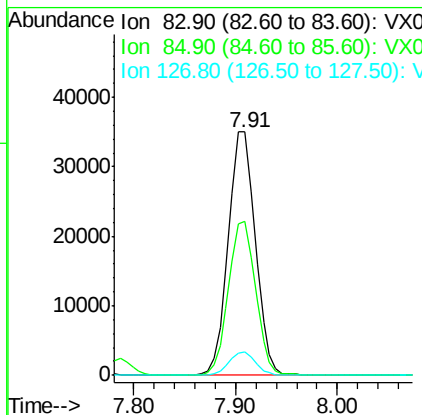
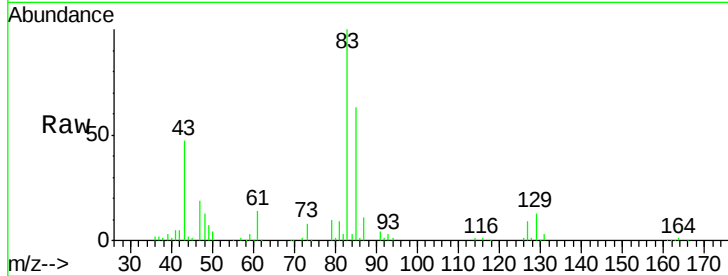
ClientSampleId :

VX0420WBSD02

Tgt Ion:	83	Resp:	64699
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.3	78.5
127	9.5	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.34 ug/l

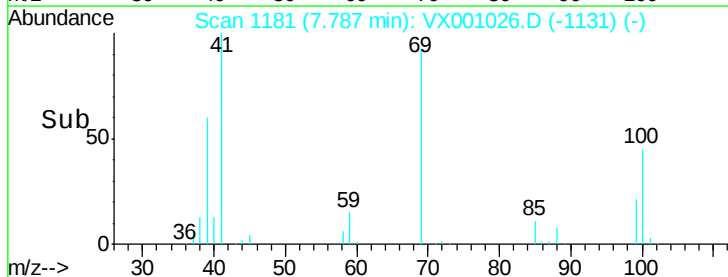
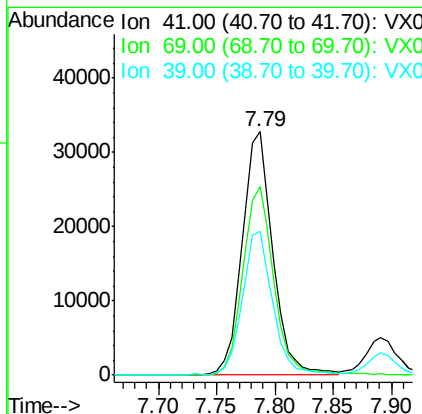
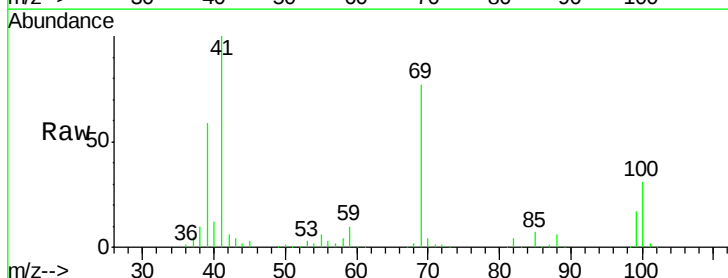
RT: 7.79 min Scan# 1181

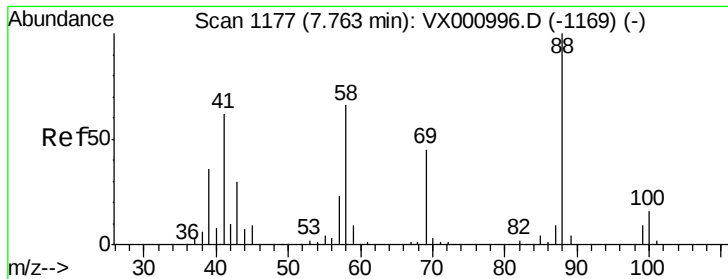
Delta R.T. 0.01 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Tgt Ion:	41	Resp:	59713
Ion	Ratio	Lower	Upper
41	100		
69	79.0	62.6	94.0
39	58.7	45.3	67.9





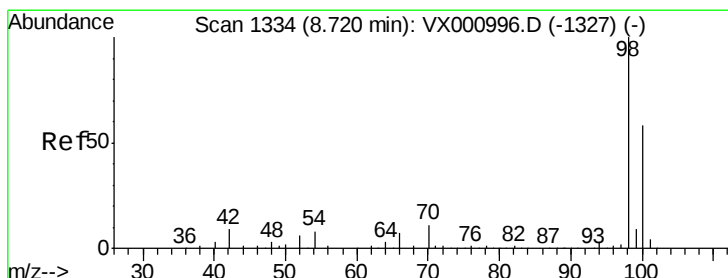
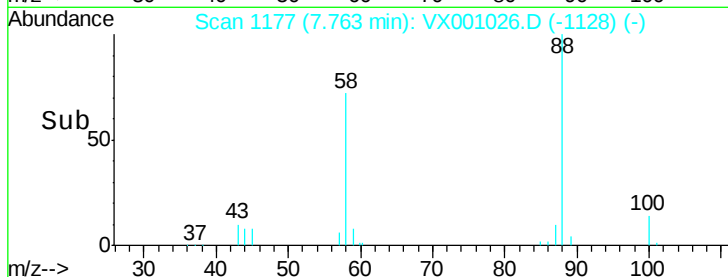
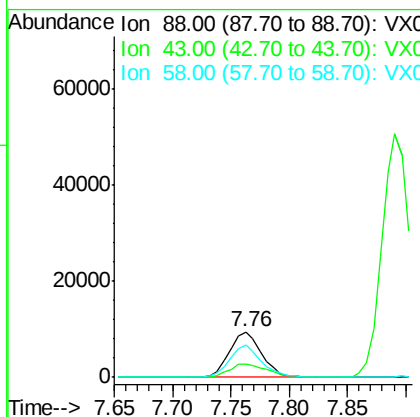
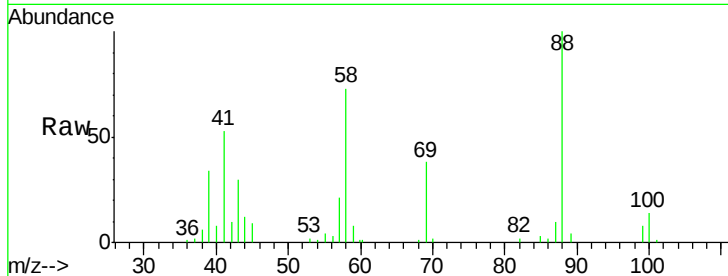
#49
 1,4-Dioxane
 Concen: 404.85 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.2	43.8
58	71.7	55.0	82.6

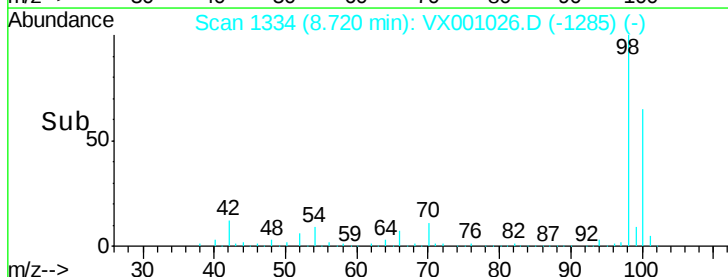
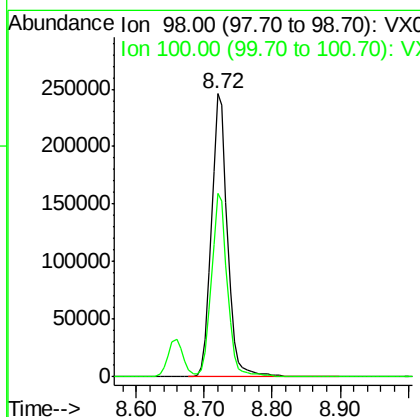
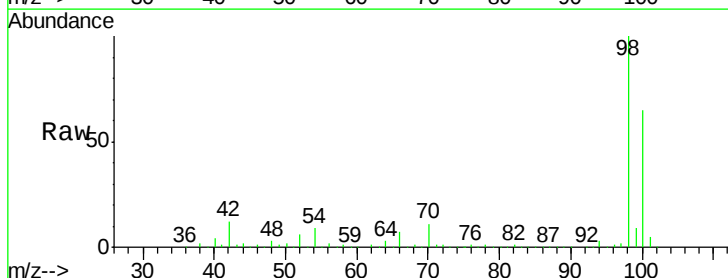
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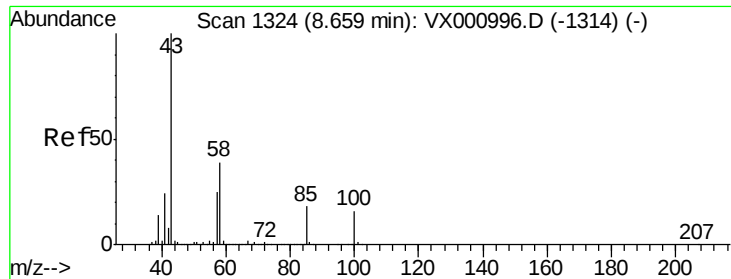
MMDadoda
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#50
 Toluene-d8
 Concen: 46.06 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9





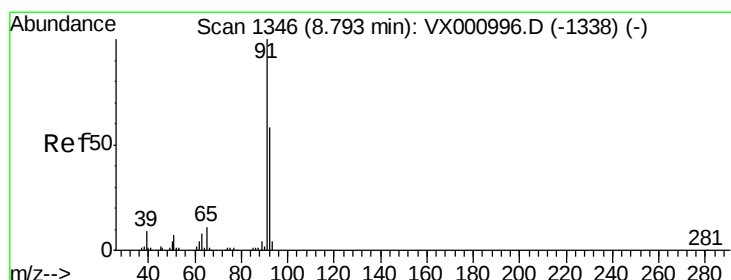
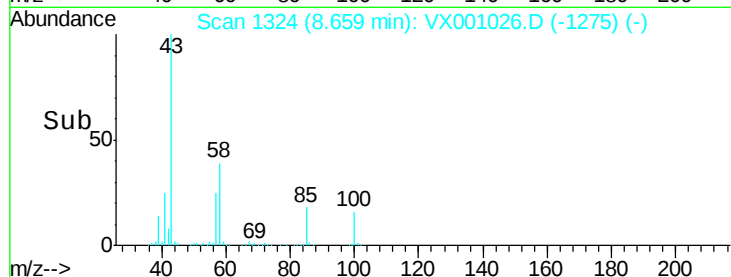
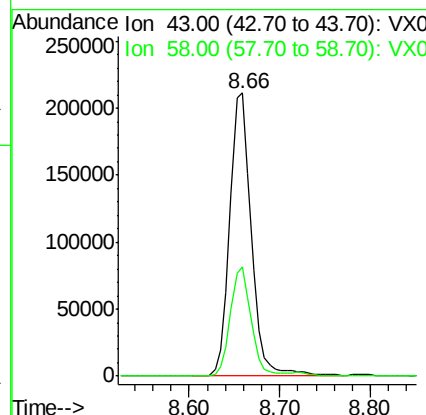
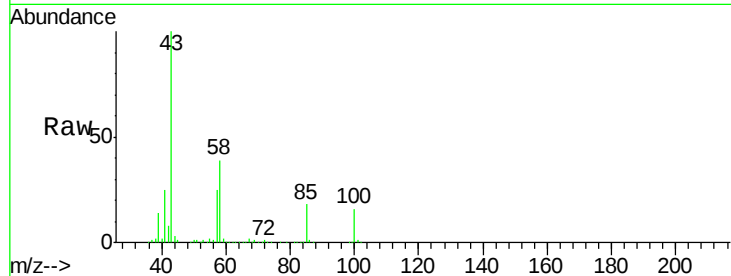
#51
 4-Methyl-2-Pentanone
 Concen: 100.72 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Tgt Ion: 43 Resp: 350652
 Ion Ratio Lower Upper
 43 100
 58 36.9 30.2 45.4

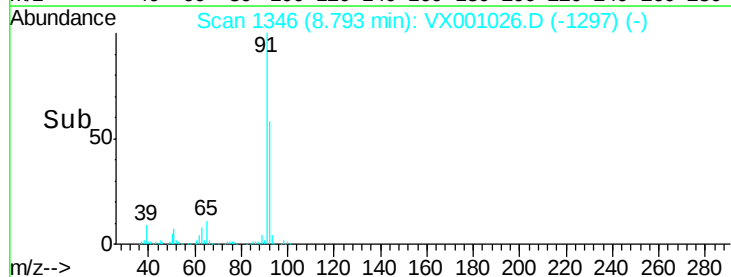
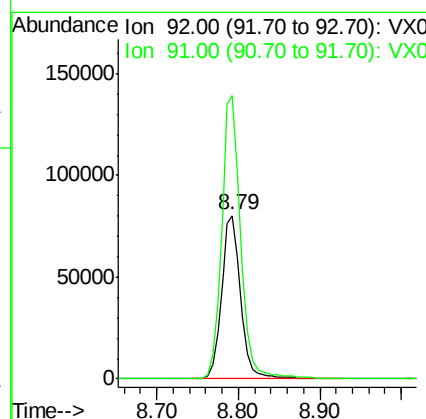
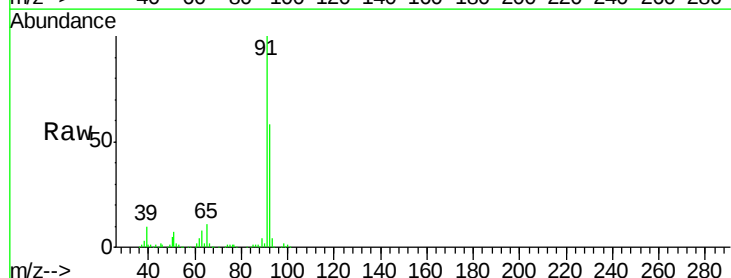
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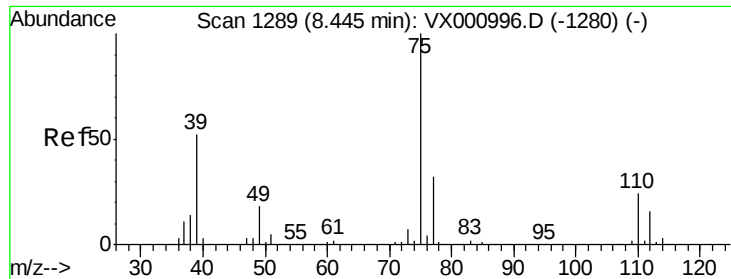
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#52
 Toluene
 Concen: 19.89 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Tgt Ion: 92 Resp: 131497
 Ion Ratio Lower Upper
 92 100
 91 173.4 138.2 207.4





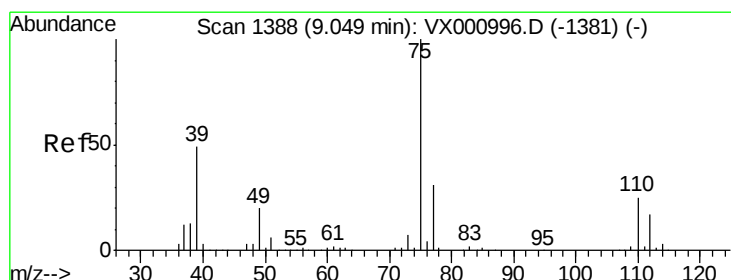
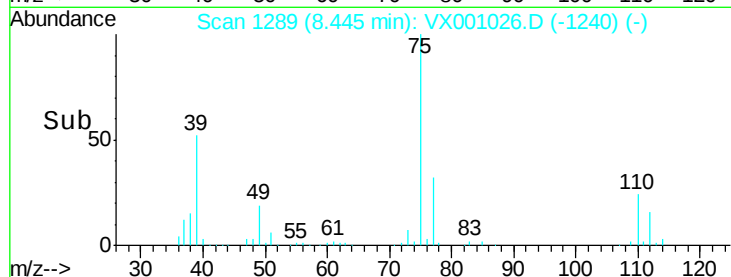
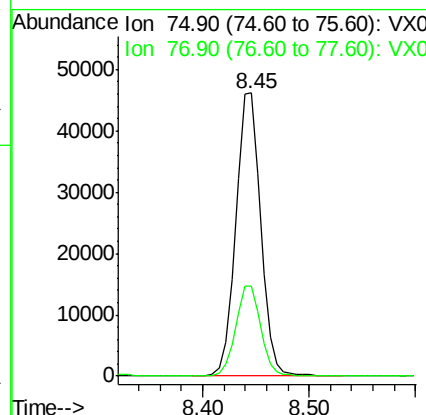
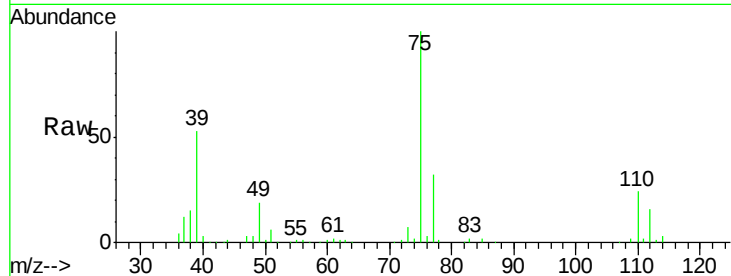
#53
t-1,3-Dichloropropene
Concen: 19.29 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion: 75 Resp: 76041
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6

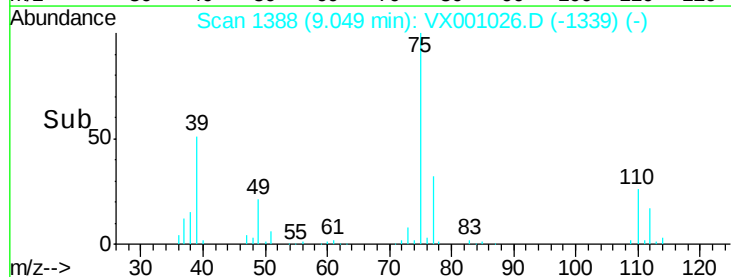
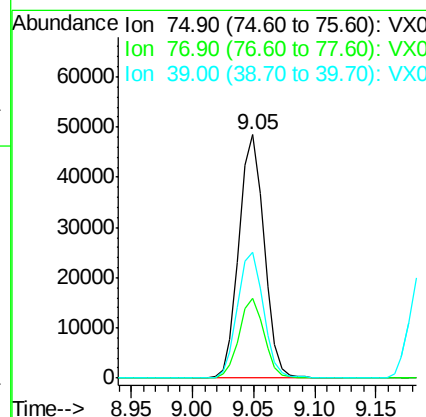
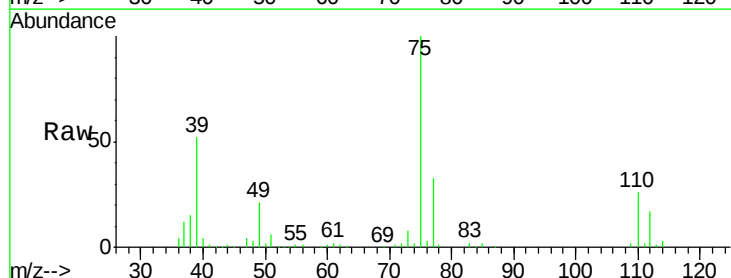
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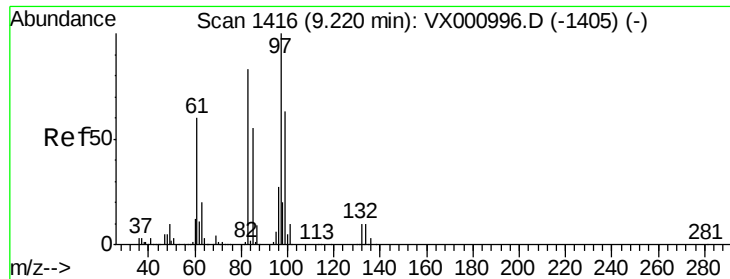
MMDadoda
4/23/2018 1:27:46 PM



#54
cis-1,3-Dichloropropene
Concen: 18.59 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion: 75 Resp: 69129
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6
39 51.5 39.2 58.8





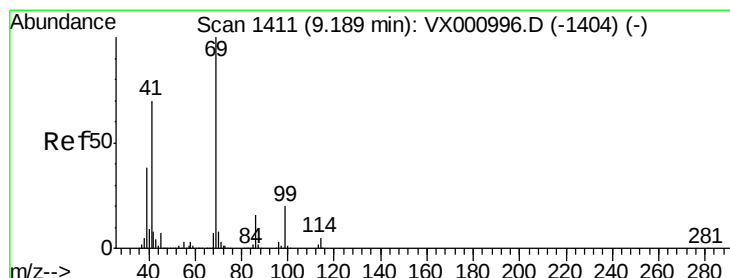
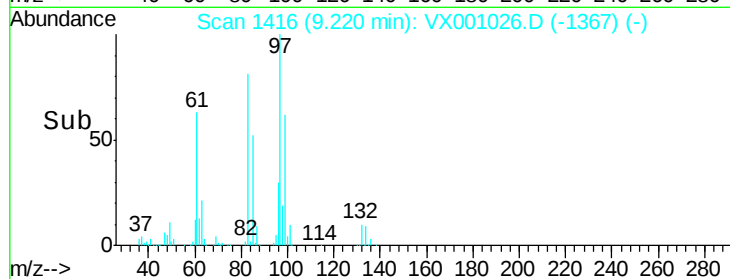
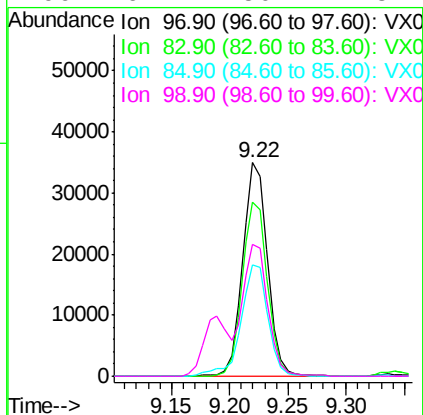
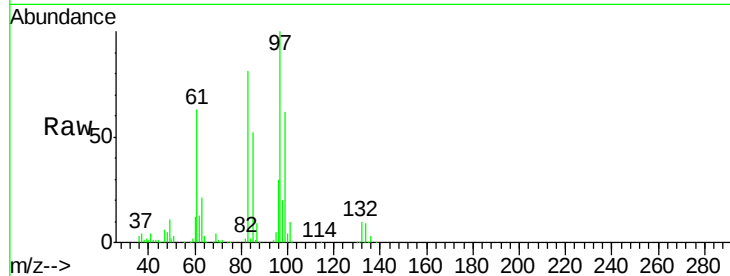
#55
 1,1,2-Trichloroethane
 Concen: 19.83 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.5	66.2	99.4
85	52.3	44.2	66.4
99	61.4	50.2	75.4

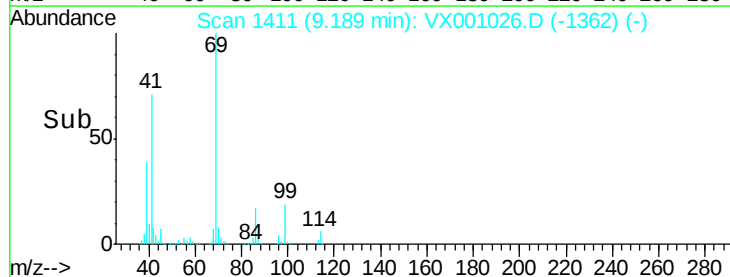
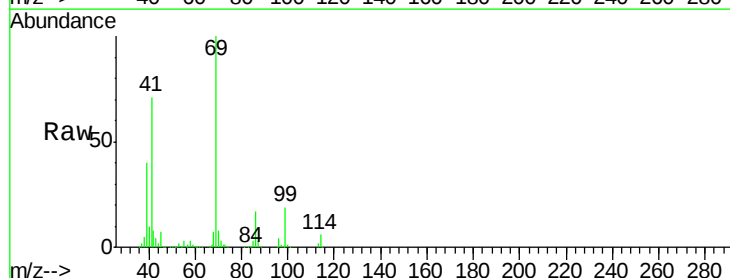
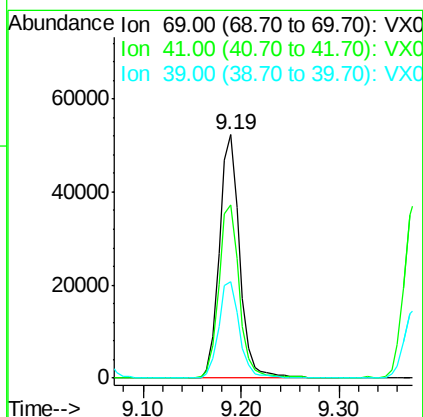
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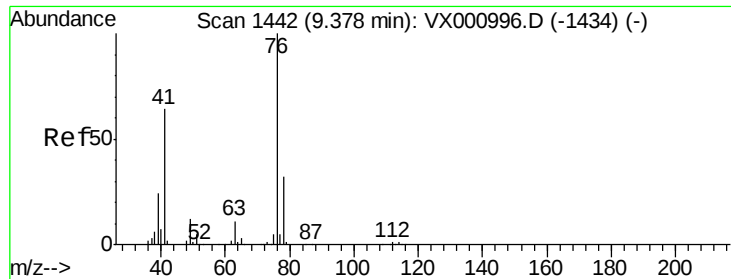
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#56
 Ethyl methacrylate
 Concen: 19.48 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

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





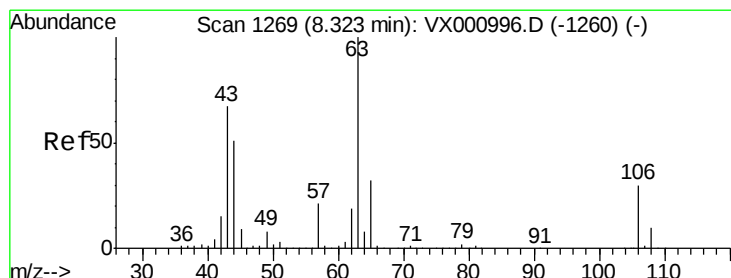
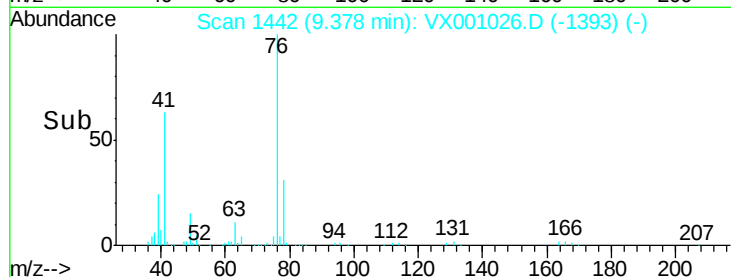
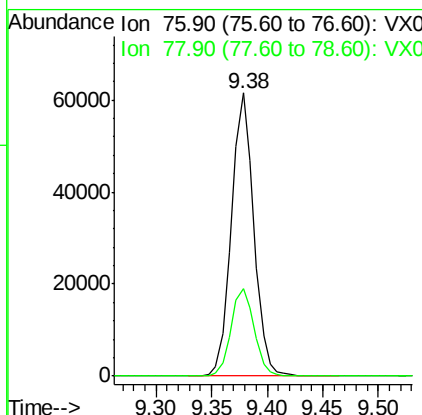
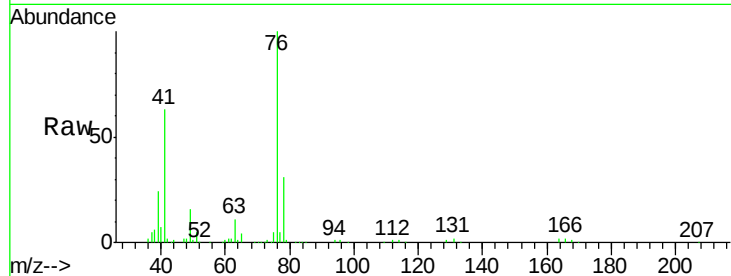
#57
 1,3-Dichloropropane
 Concen: 19.69 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Tgt Ion: 76 Resp: 85704
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

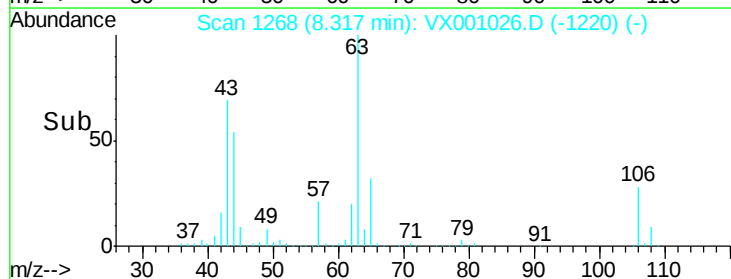
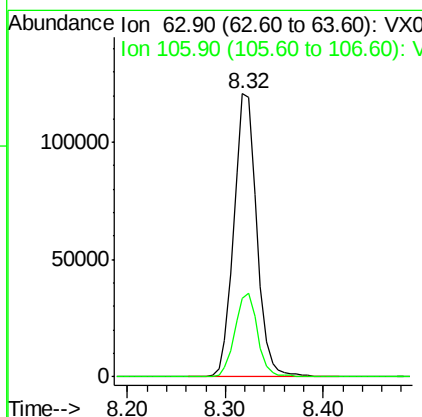
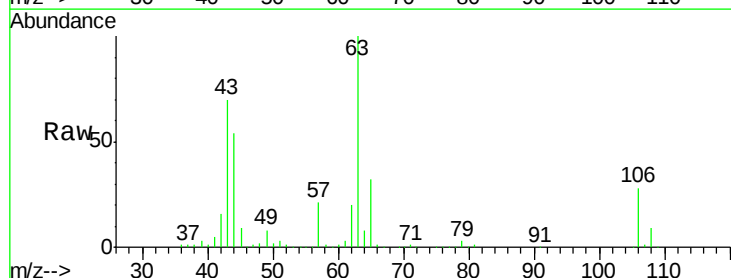
Manual Integrations
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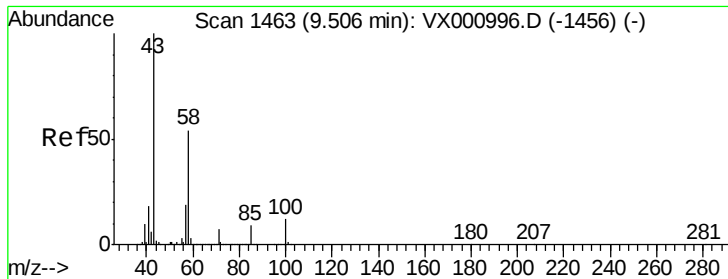
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.04 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Tgt Ion: 63 Resp: 195987
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.6





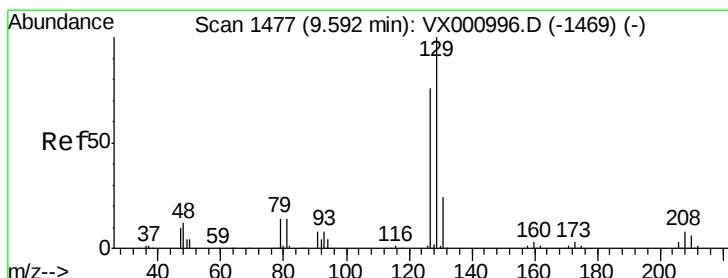
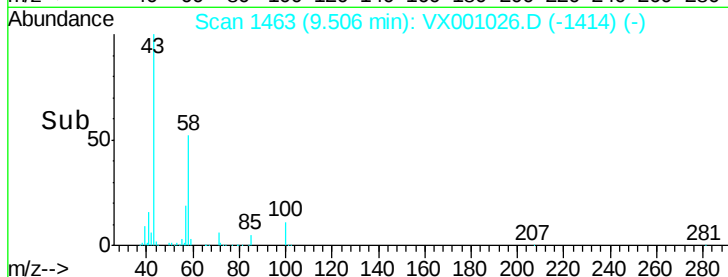
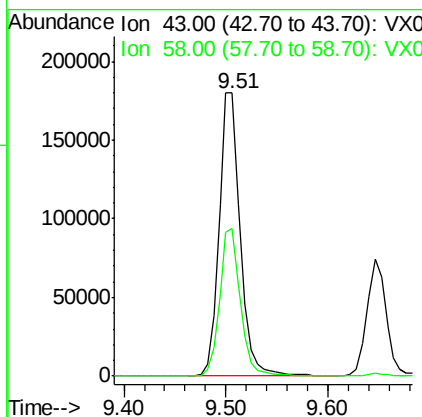
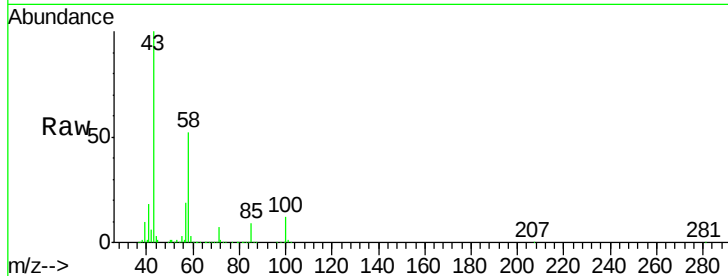
#59
2-Hexanone
Concen: 97.92 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion: 43 Resp: 260939
Ion Ratio Lower Upper
43 100
58 51.5 26.3 78.9

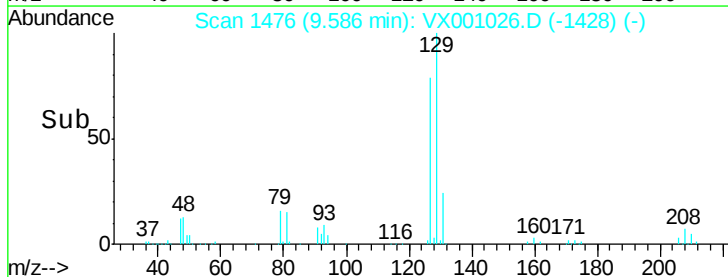
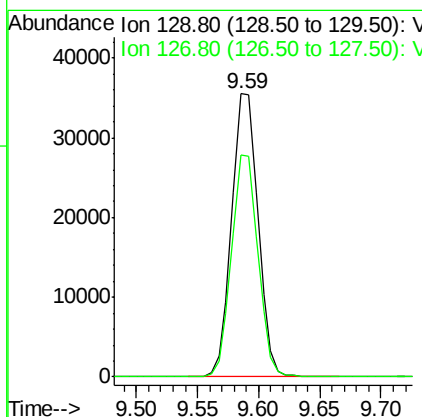
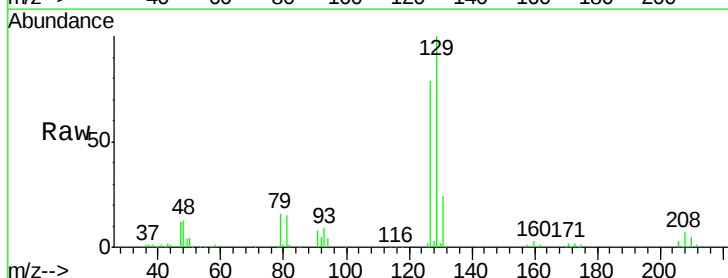
Manual Integrations
APPROVED

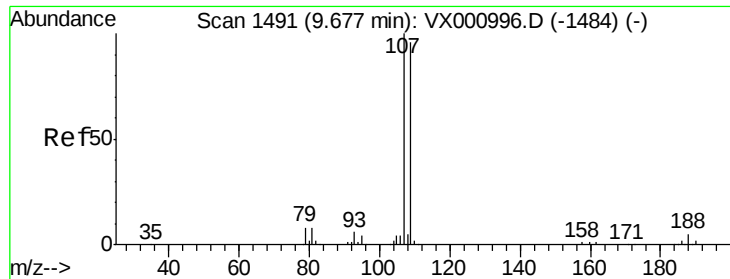
MMDadoda
4/23/2018 1:27:46 PM



#60
Dibromochloromethane
Concen: 19.22 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion: 129 Resp: 53060
Ion Ratio Lower Upper
129 100
127 78.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.87 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 107 Resp: 55115

Ion Ratio Lower Upper

107 100

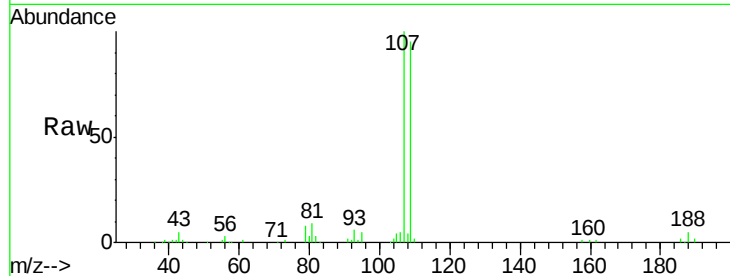
109 95.0 76.0 114.0

Manual Integrations

APPROVED

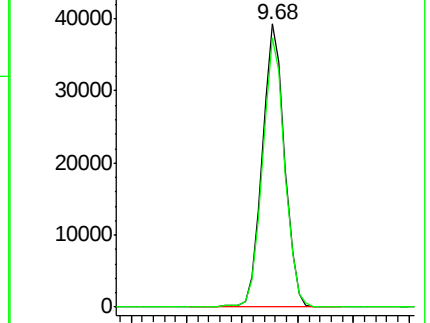
MMDadoda

4/23/2018 1:27:46 PM

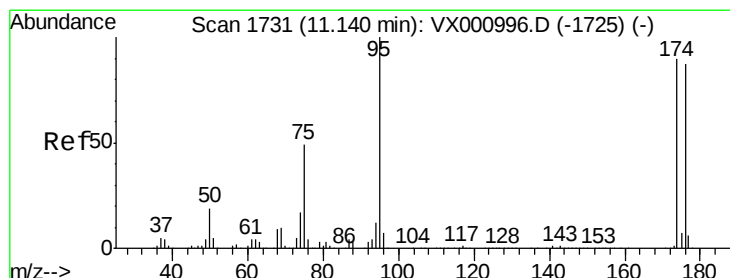
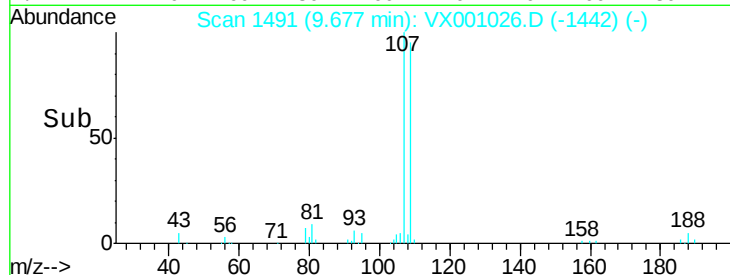


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 45.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

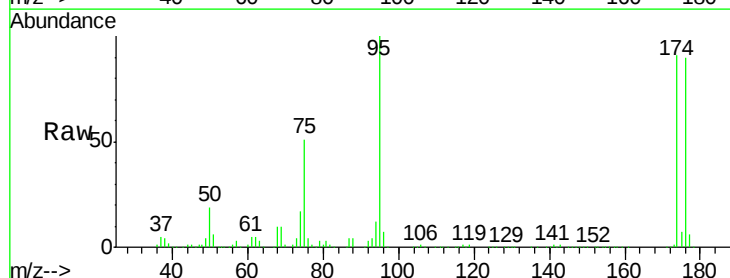
Tgt Ion: 95 Resp: 165611

Ion Ratio Lower Upper

95 100

174 98.2 0.0 198.4

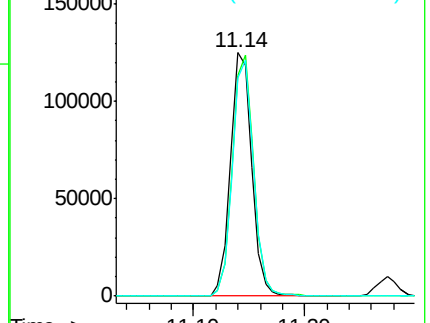
176 96.5 0.0 192.0



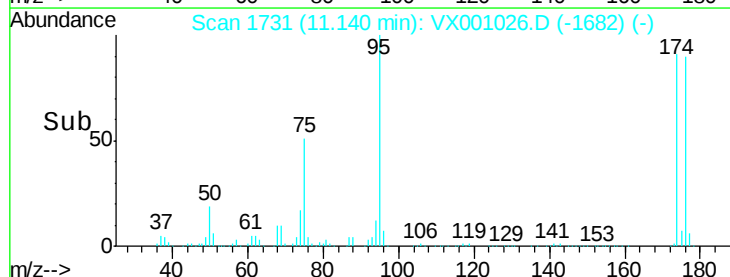
Abundance Ion 94.90 (94.60 to 95.60): VX0

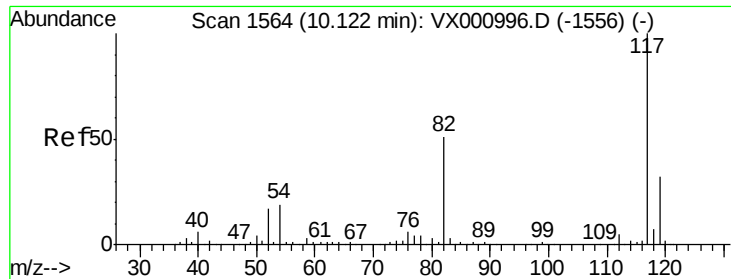
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





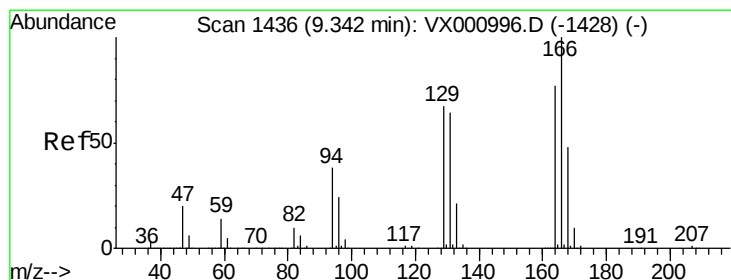
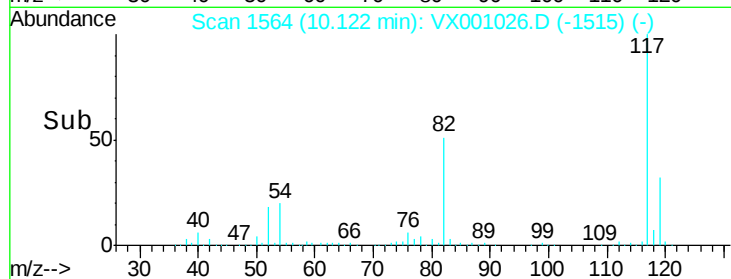
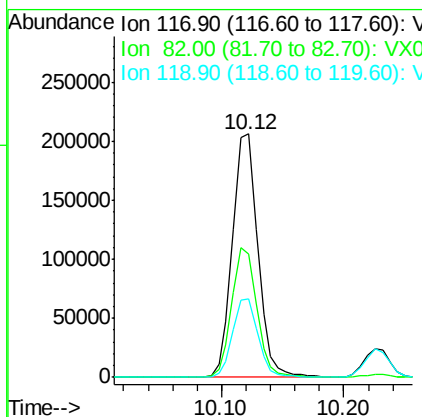
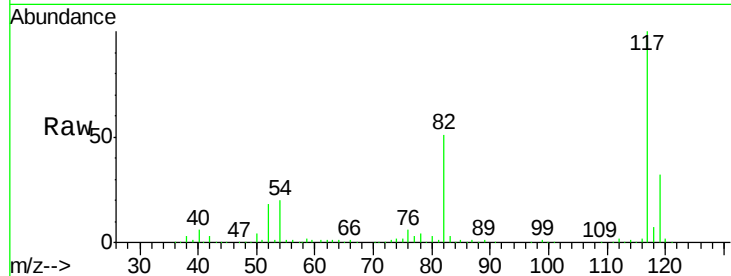
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	297166		
82	50.8	40.6	60.8	
119	32.2	26.0	39.0	

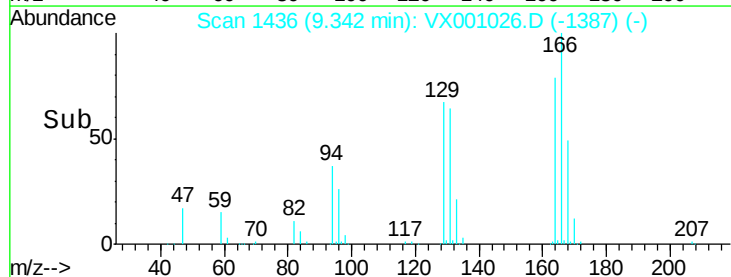
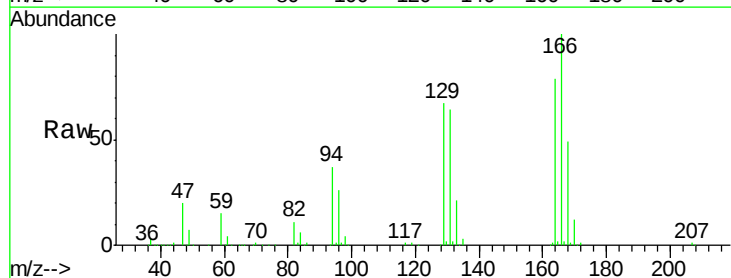
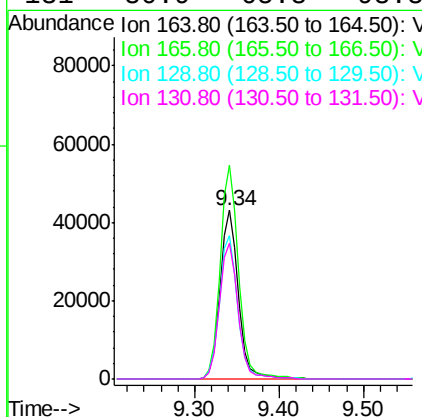
Manual Integrations
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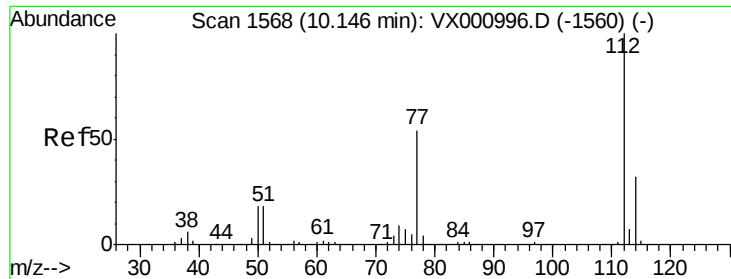
MMDadoda
4/23/2018 1:27:46 PM



#64
Tetrachloroethene
Concen: 20.57 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64901		
166	126.7	103.5	155.3	
129	85.1	69.6	104.4	
131	80.9	65.8	98.8	





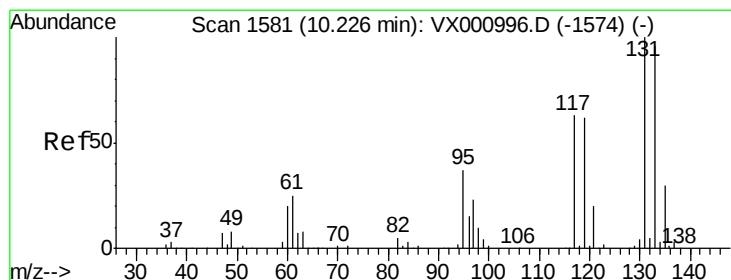
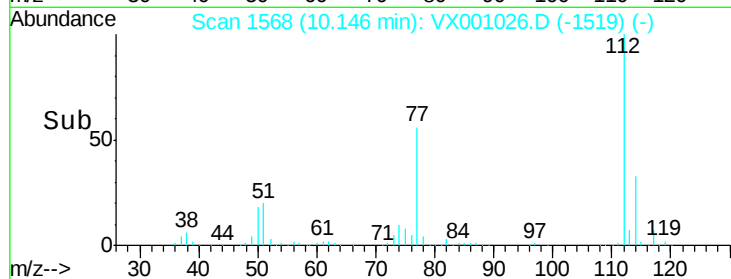
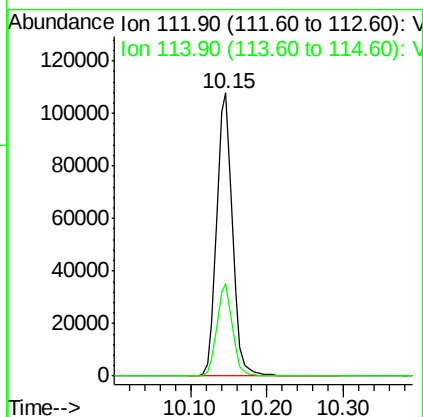
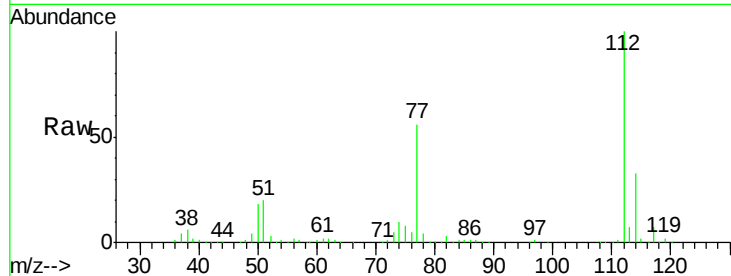
#65
Chlorobenzene
Concen: 19.38 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion:112 Resp: 153374
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3

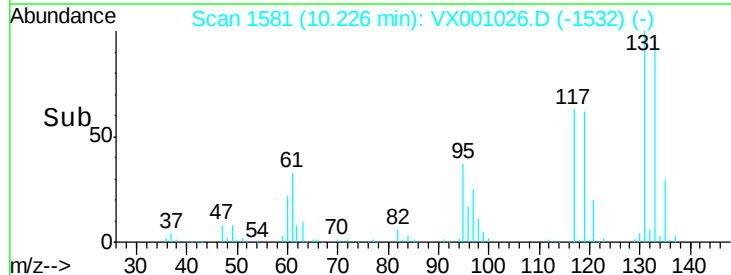
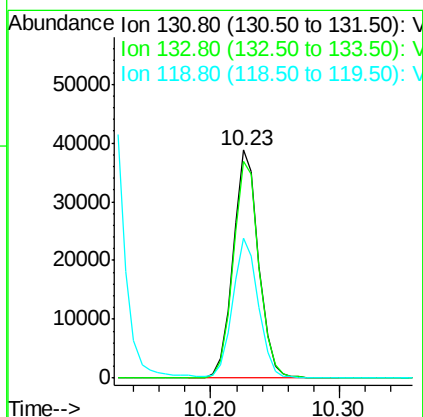
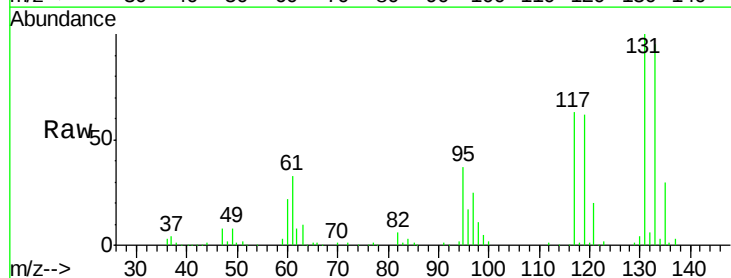
Manual Integrations
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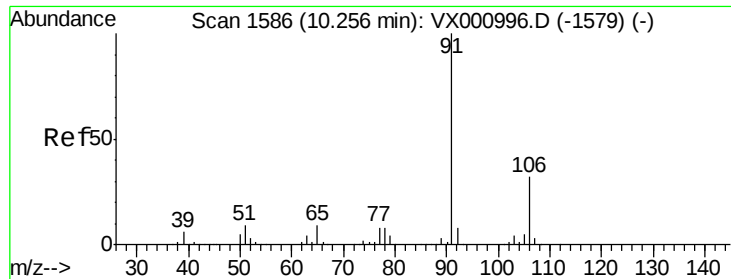
MMDadoda
4/23/2018 1:27:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.54 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion:131 Resp: 53066
Ion Ratio Lower Upper
131 100
133 96.7 47.6 142.8
119 62.4 31.1 93.2





#67

Ethyl Benzene

Concen: 19.42 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 91 Resp: 255154

Ion Ratio Lower Upper

91 100

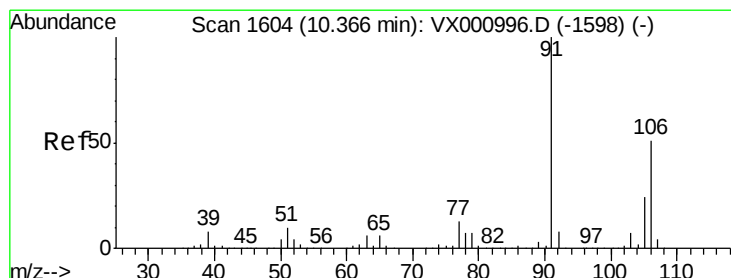
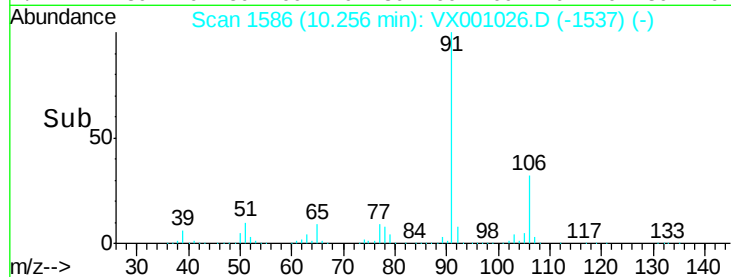
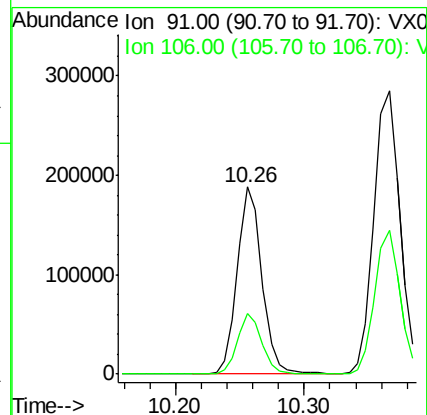
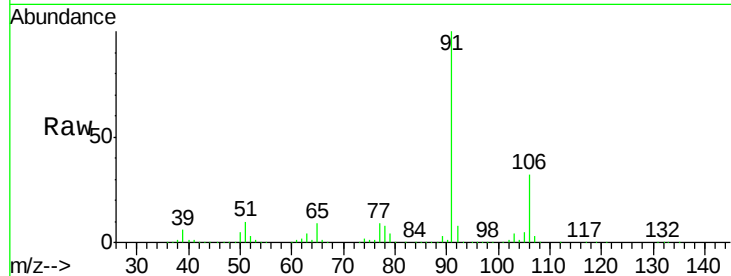
106 32.4 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

4/23/2018 1:27:46 PM



#68

m/p-Xylenes

Concen: 38.55 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001026.D

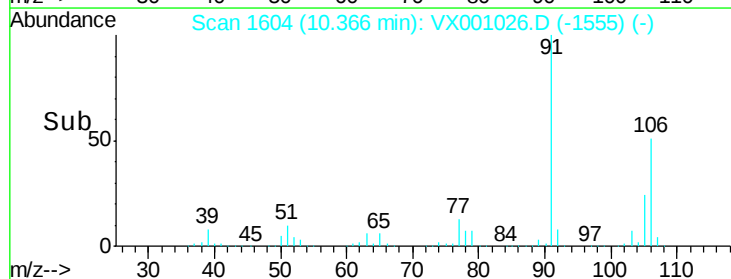
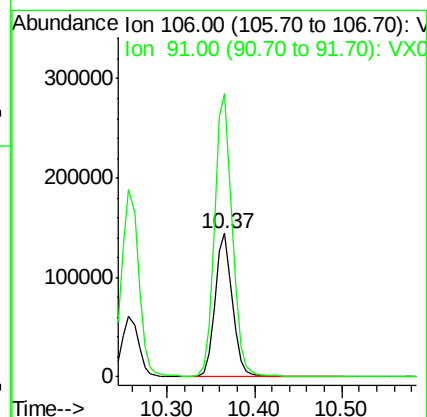
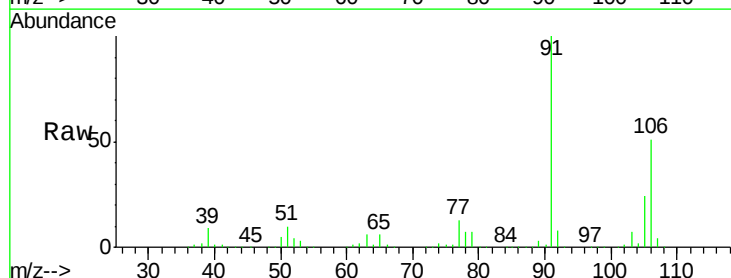
Acq: 20 Apr 2018 23:30

Tgt Ion: 106 Resp: 199629

Ion Ratio Lower Upper

106 100

91 202.6 159.3 238.9





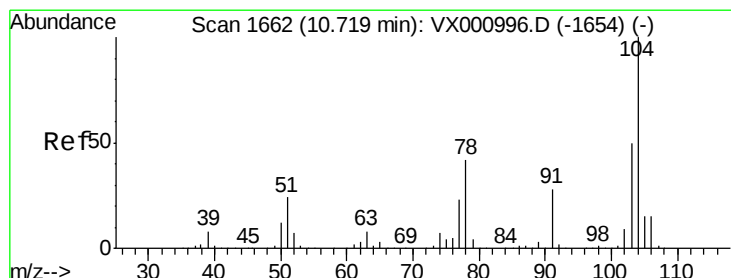
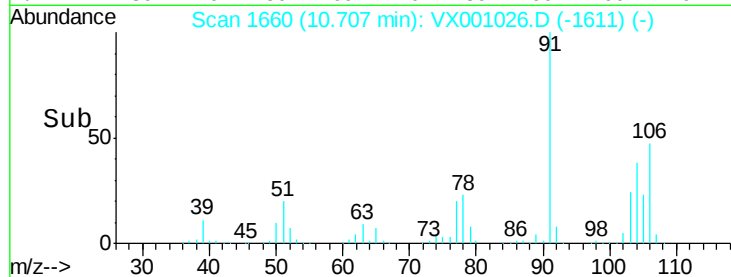
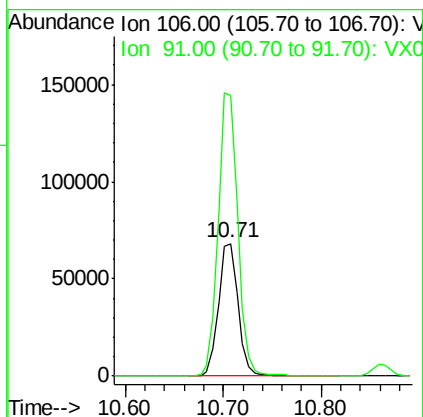
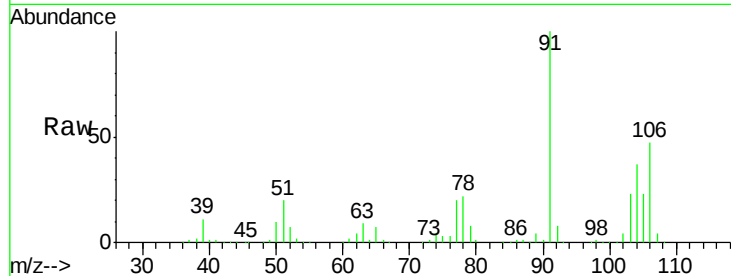
#69
o-Xylene
Concen: 19.07 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion:106 Resp: 95204
Ion Ratio Lower Upper
106 100
91 214.4 105.1 315.1

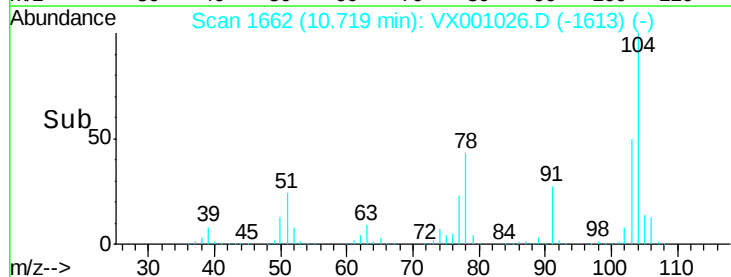
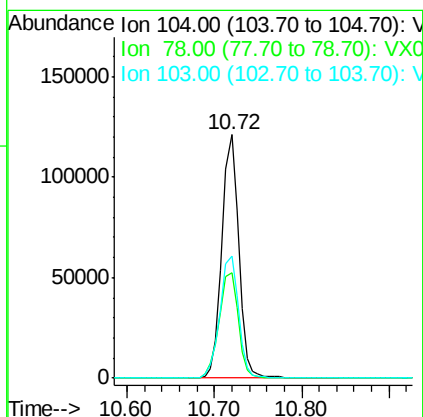
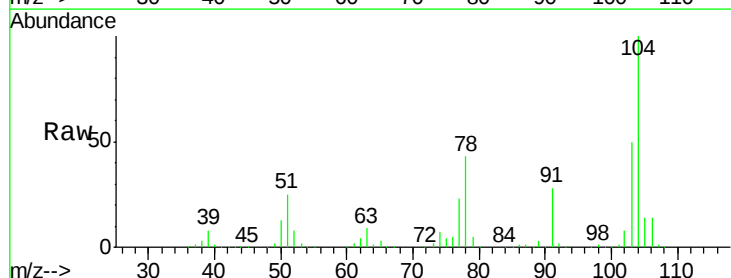
Manual Integrations
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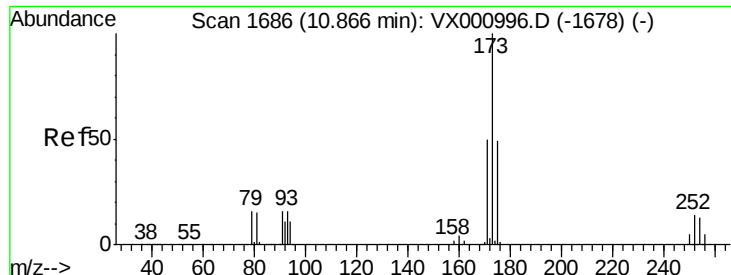
MMDadoda
4/23/2018 1:27:46 PM



#70
Styrene
Concen: 19.62 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion:104 Resp: 161371
Ion Ratio Lower Upper
104 100
78 49.7 39.4 59.2
103 55.7 44.2 66.2





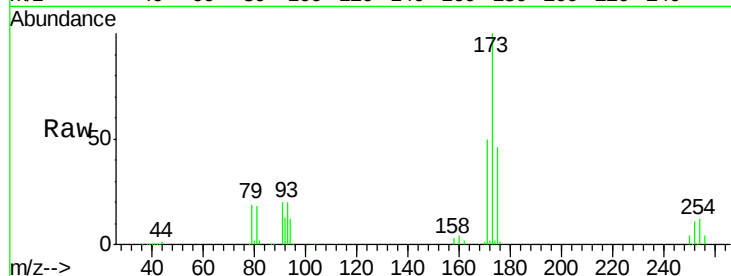
#71
Bromoform
Concen: 18.27 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

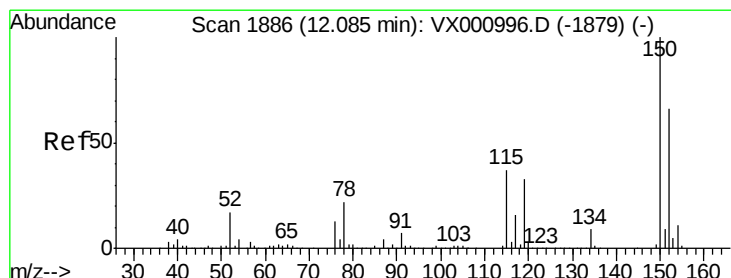
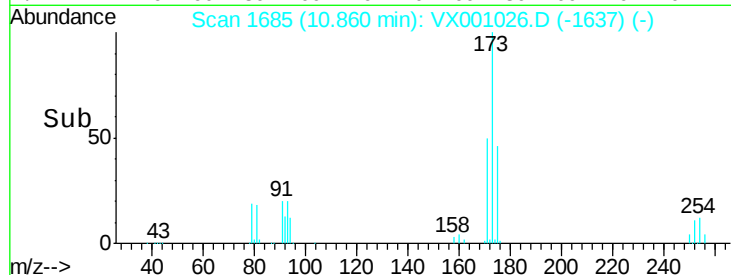
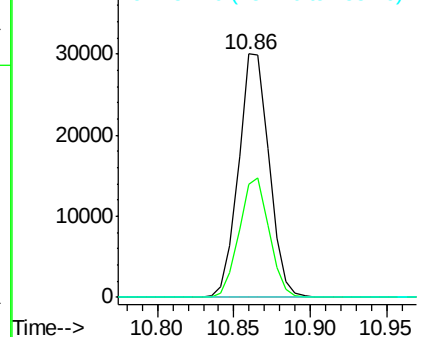
Tgt Ion:173 Resp: 41577
Ion Ratio Lower Upper
173 100
175 48.1 24.8 74.3
254 0.1 0.2 0.2#

Manual Integrations
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4/23/2018 1:27:46 PM

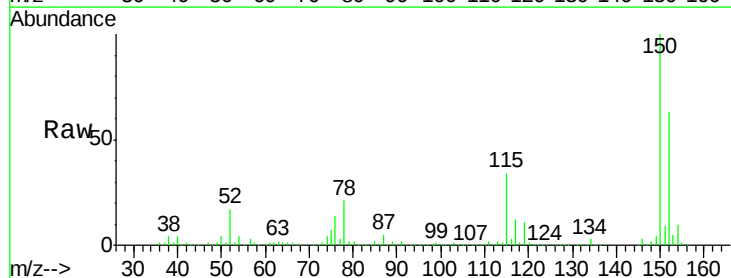


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

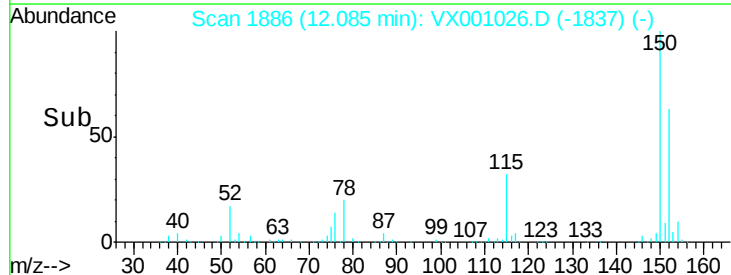
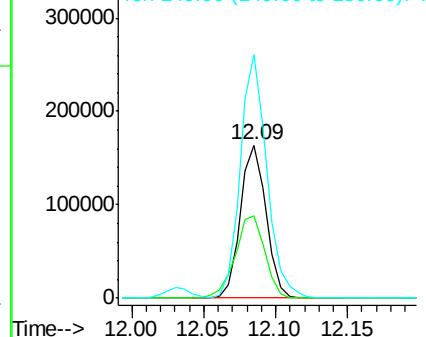


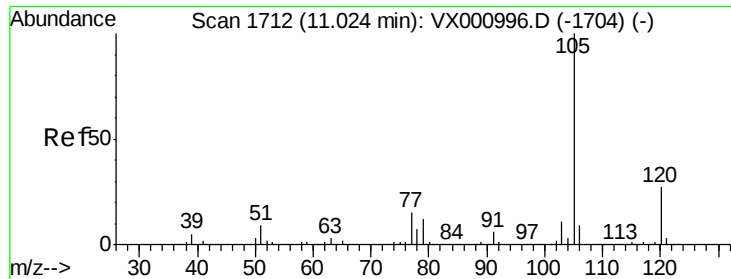
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion:152 Resp: 204515
Ion Ratio Lower Upper
152 100
115 62.5 38.2 114.6
150 163.7 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: 19.70 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 105 Resp: 263415

Ion Ratio Lower Upper

105 100

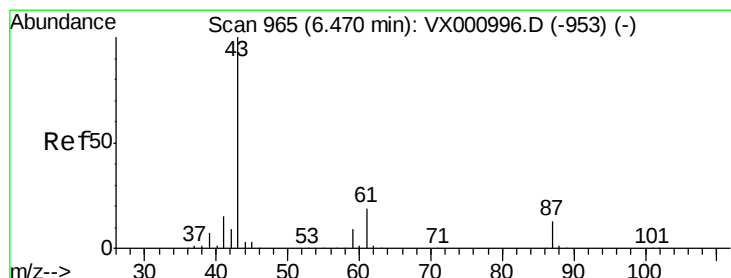
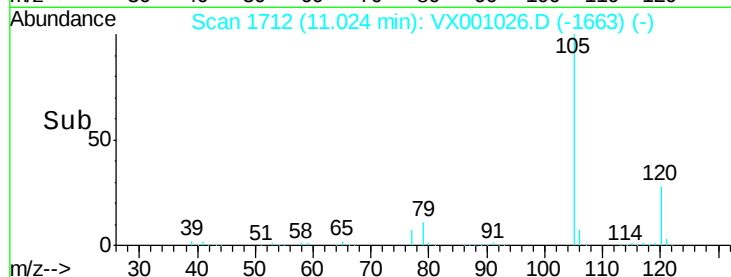
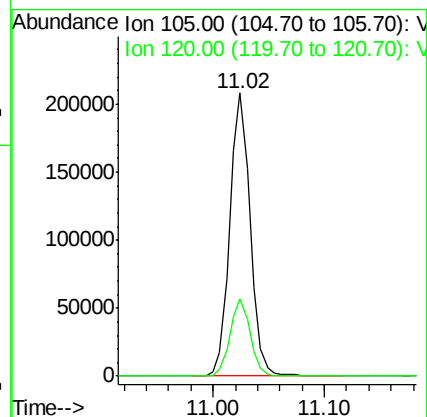
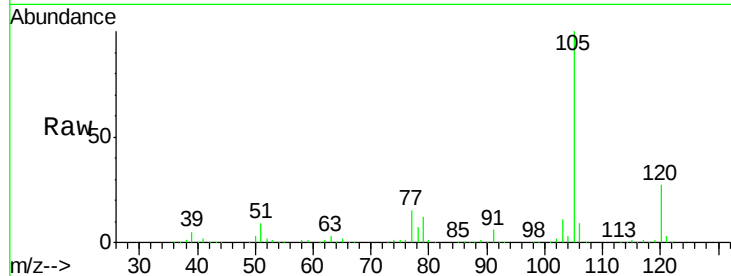
120 27.0 13.4 40.2

Manual Integrations

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MMDadoda

4/23/2018 1:27:46 PM



#74

N-ethyl acetate

Concen: 19.28 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Tgt Ion: 43 Resp: 110291

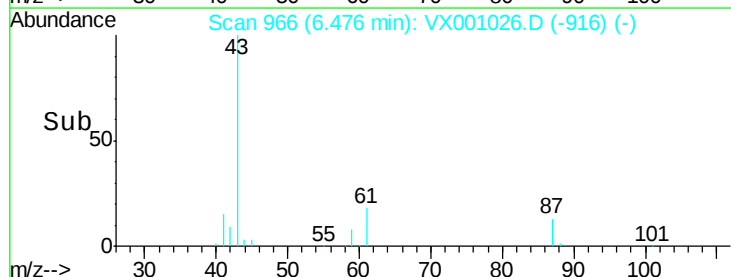
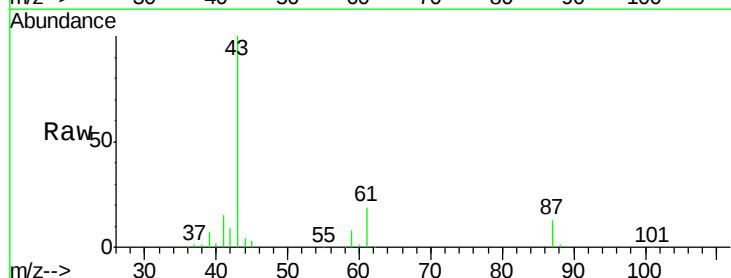
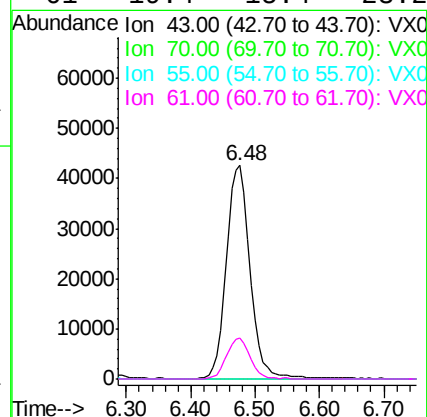
Ion Ratio Lower Upper

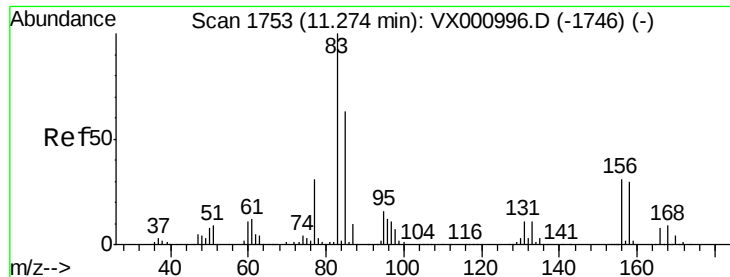
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.4 15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.91 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

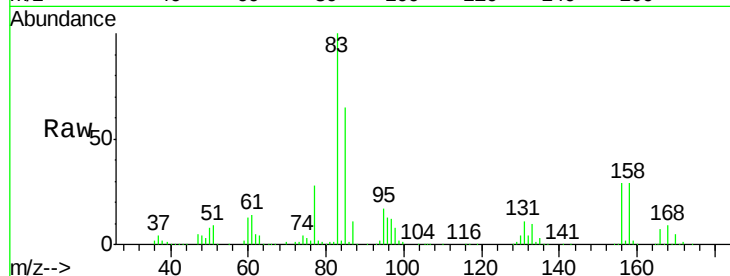
ClientSampleId :

VX0420WBSD02

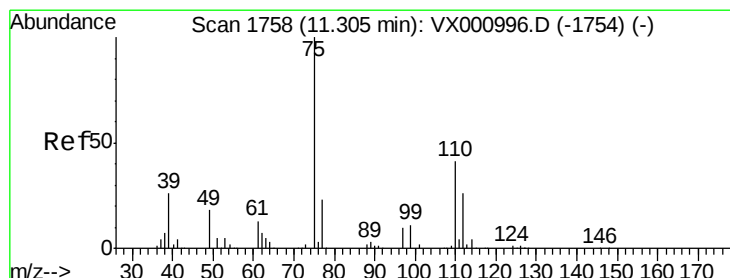
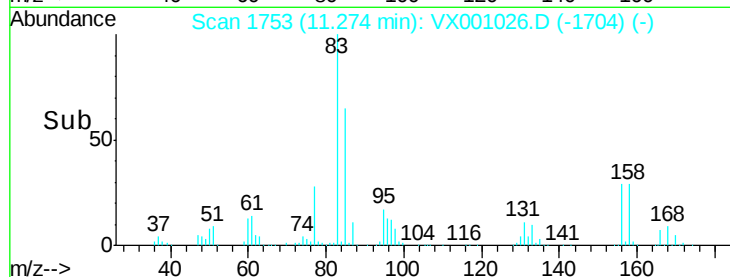
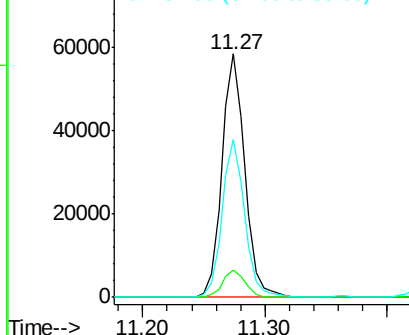
Tgt Ion:	83	Resp:	75368
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.8	17.4
85	64.0	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 19.68 ug/l m

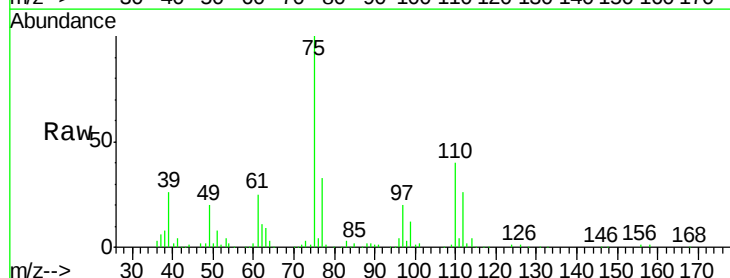
RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

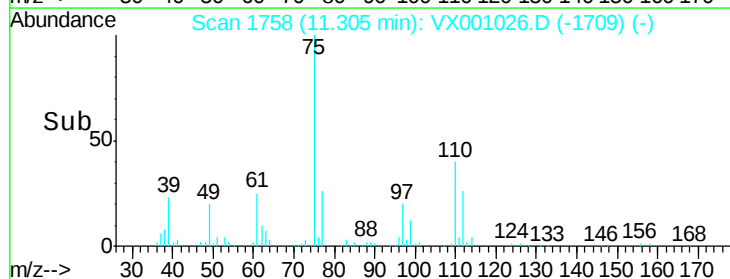
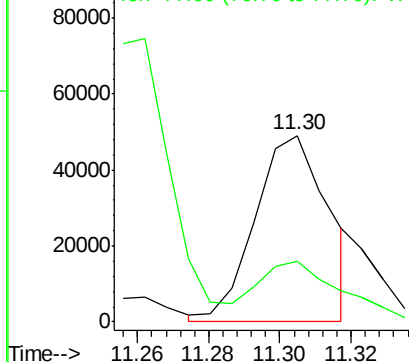
Lab File: VX001026.D

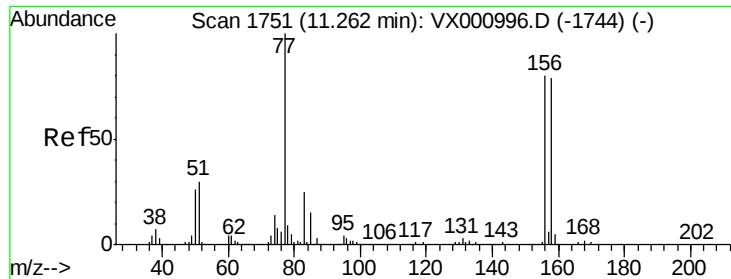
Acq: 20 Apr 2018 23:30

Tgt Ion:	75	Resp:	69835
Ion	Ratio	Lower	Upper
75	100		
77	37.2	19.6	58.7



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





#77

Bromobenzene

Concen: 19.53 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

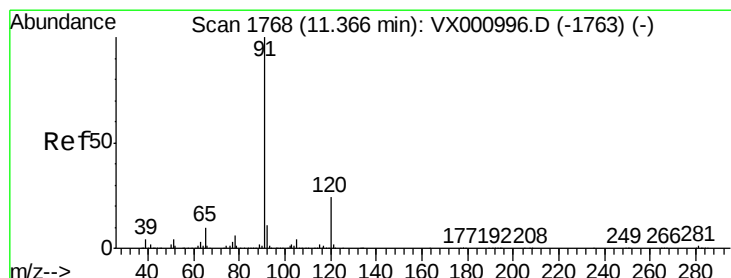
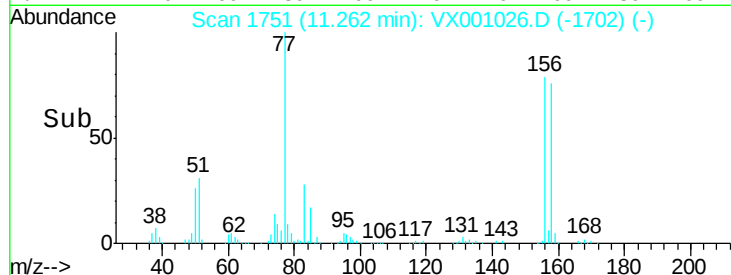
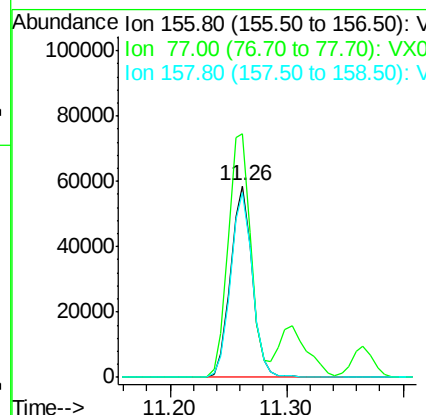
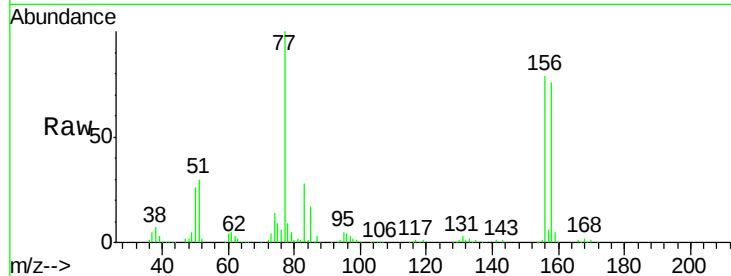
ClientSampleId :

VX0420WBSD02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	133.8	66.3	199.0
158	97.4	48.9	146.6

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#78

n-propylbenzene

Concen: 19.34 ug/l

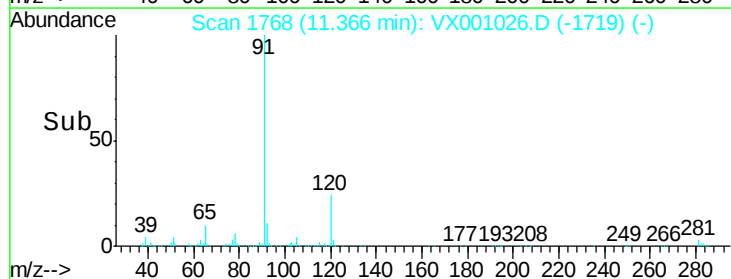
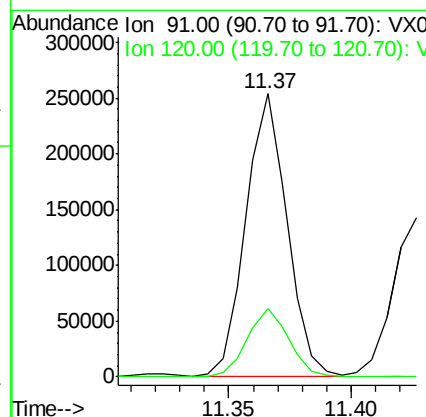
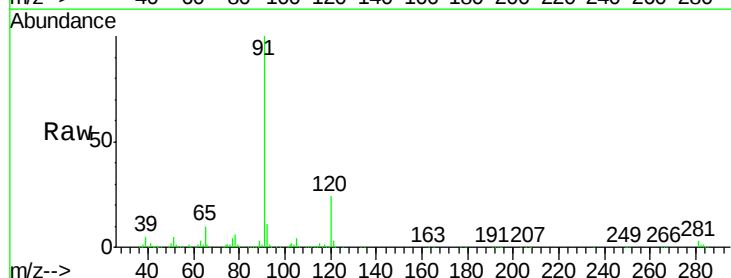
RT: 11.37 min Scan# 1768

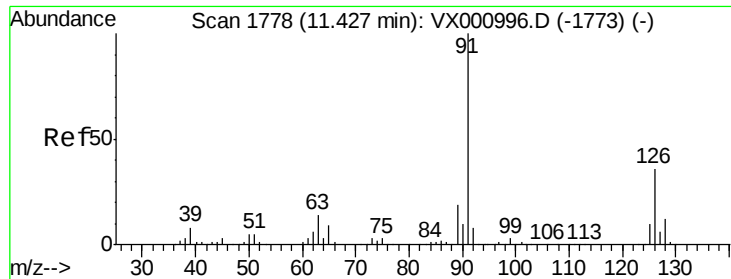
Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.4	37.0





#79

2-Chlorotoluene

Concen: 19.76 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 91 Resp: 179249

Ion Ratio Lower Upper

91 100

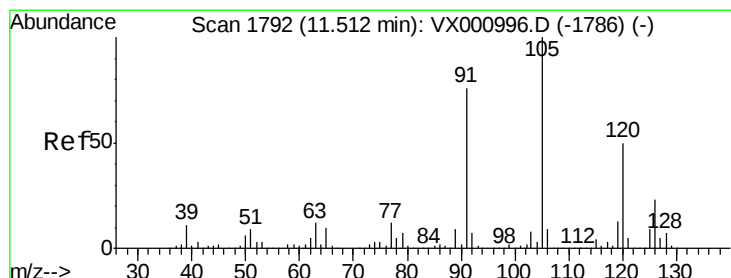
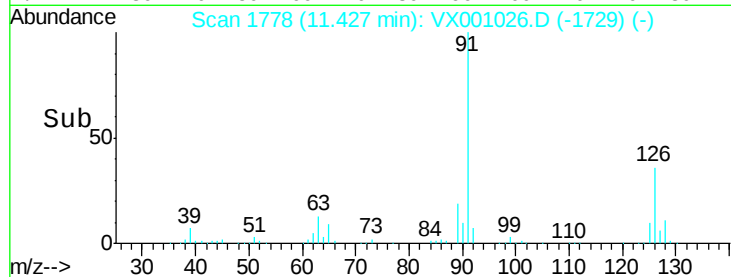
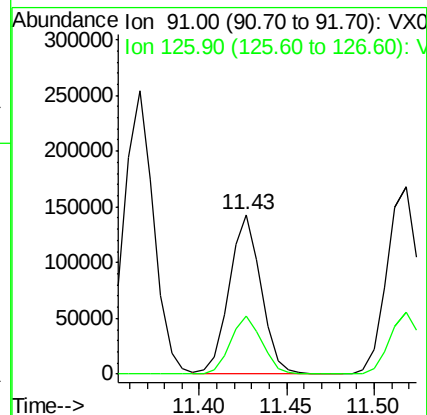
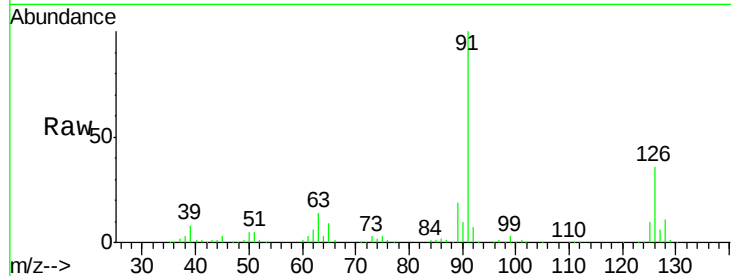
126 36.4 18.3 54.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.58 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001026.D

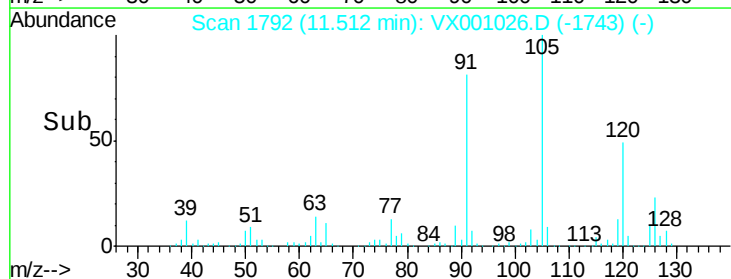
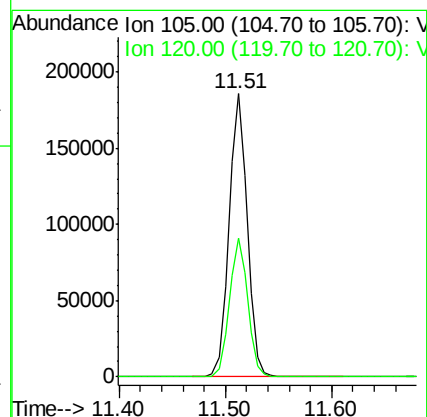
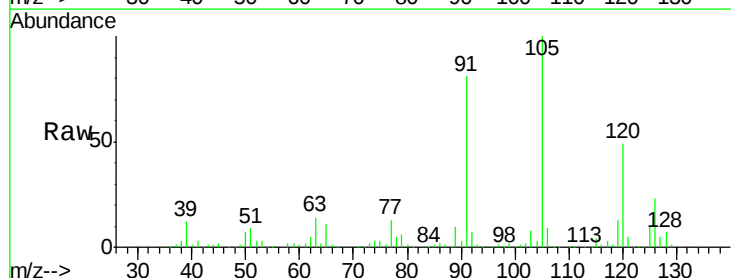
Acq: 20 Apr 2018 23:30

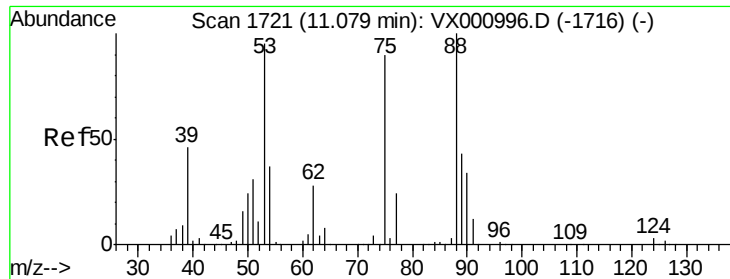
Tgt Ion: 105 Resp: 221886

Ion Ratio Lower Upper

105 100

120 49.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.68 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBSD02

Tgt Ion: 75 Resp: 16619

Ion Ratio Lower Upper

75 100

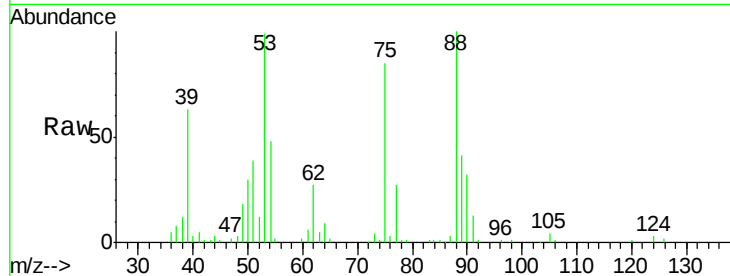
53 117.7 83.4 125.2

89 47.7 39.7 59.5

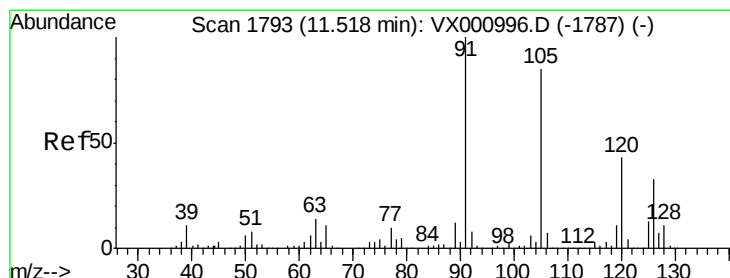
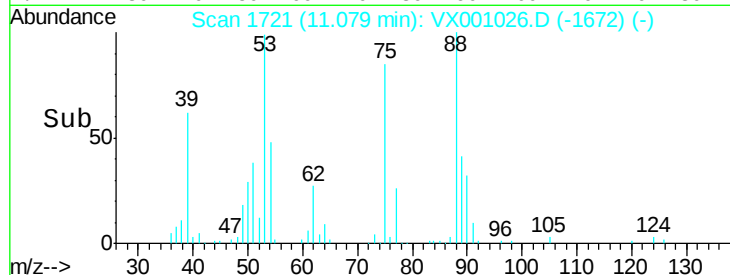
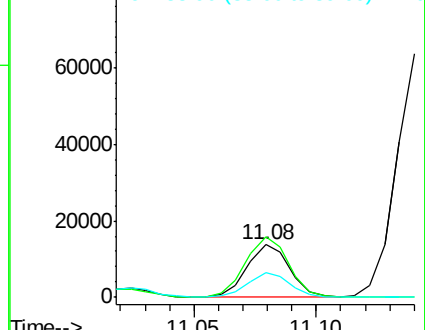
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.44 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001026.D

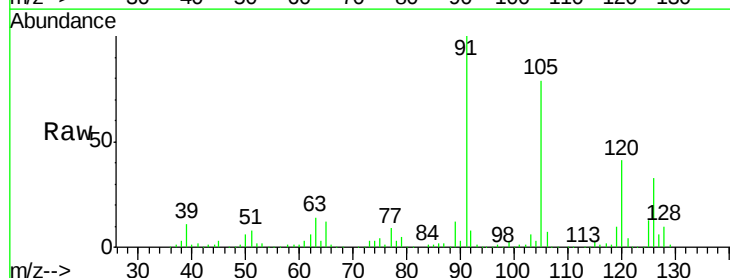
Acq: 20 Apr 2018 23:30

Tgt Ion: 91 Resp: 213086

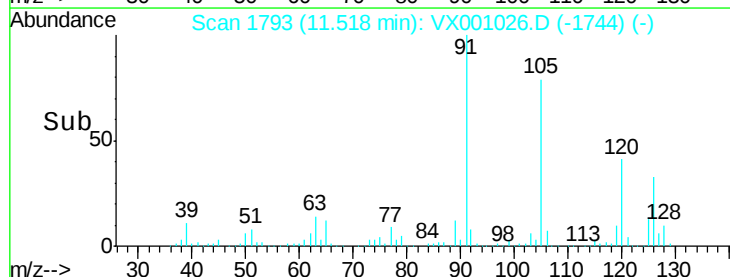
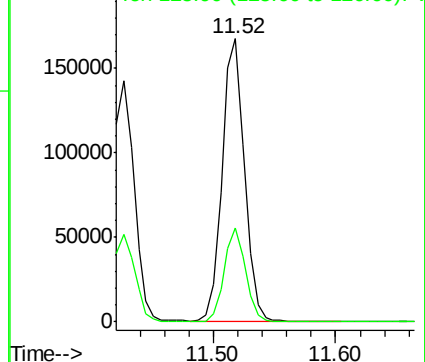
Ion Ratio Lower Upper

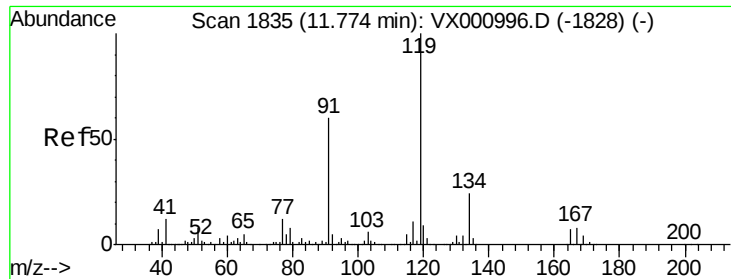
91 100

126 31.9 16.2 48.5



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





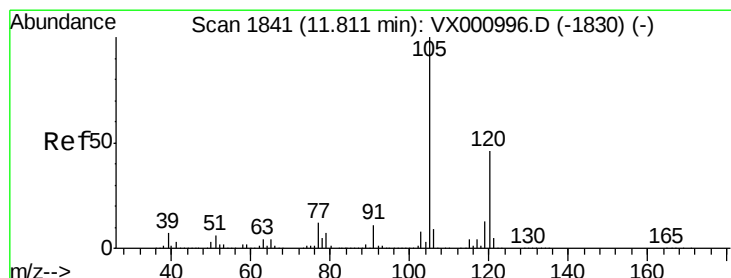
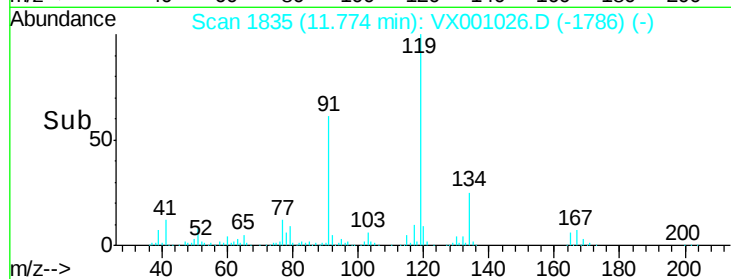
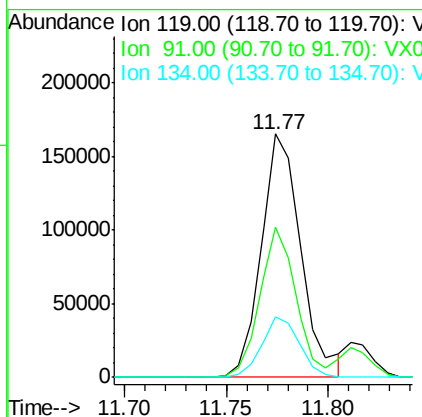
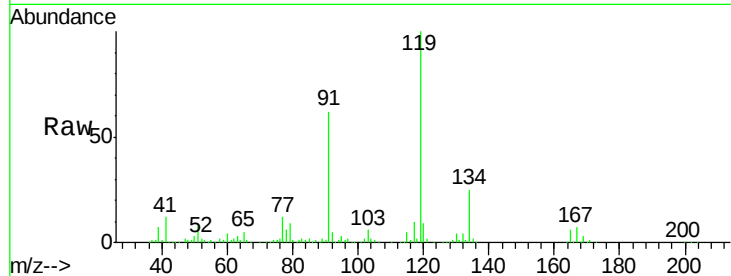
#83
tert-Butylbenzene
Concen: 19.54 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	223433		
91	56.3	27.0	81.0	
134	23.8	11.6	34.7	

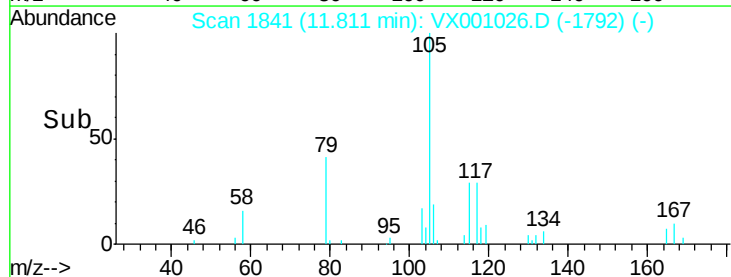
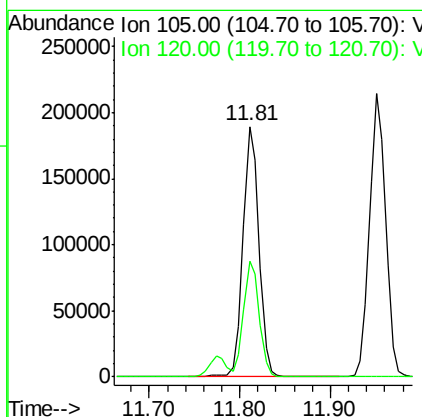
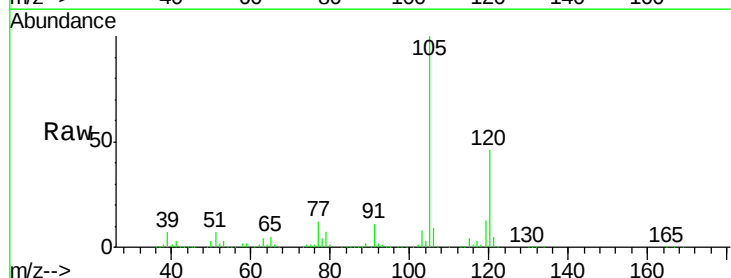
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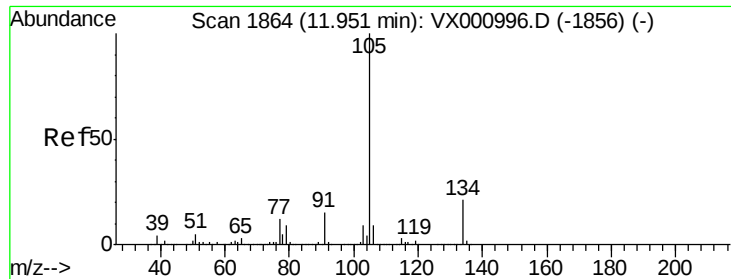
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#84
1,2,4-Trimethylbenzene
Concen: 19.71 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229894		
120	45.4	23.0	69.0	





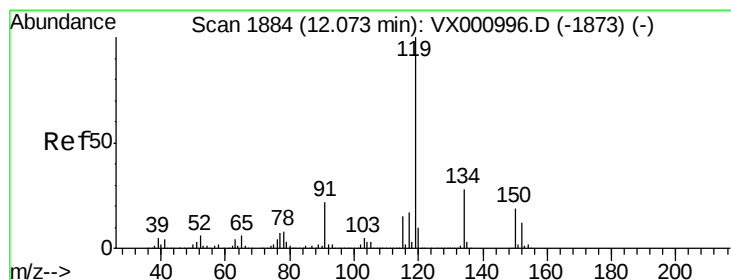
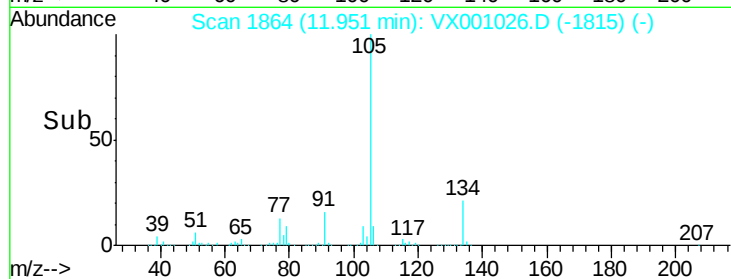
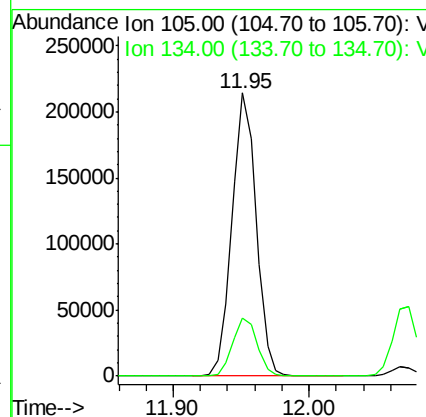
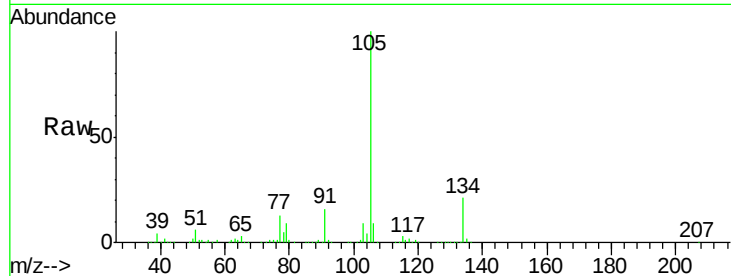
#85
 sec-Butylbenzene
 Concen: 19.40 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.6

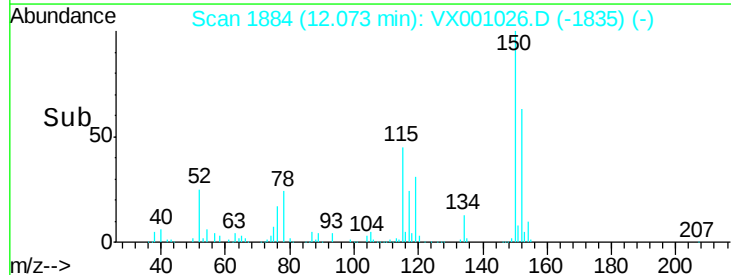
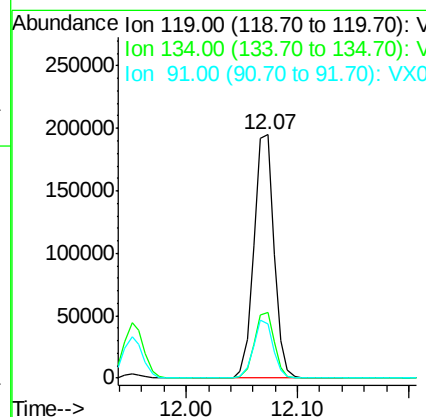
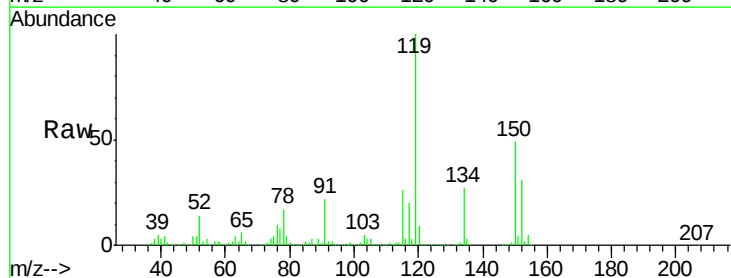
Manual Integrations
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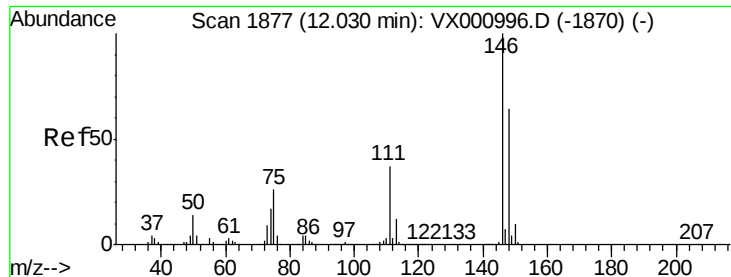
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#86
 p-Isopropyltoluene
 Concen: 19.37 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.5
91	23.2	11.4	34.1





#87

1,3-Dichlorobenzene

Concen: 19.28 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Instrument :

MSVOA_X

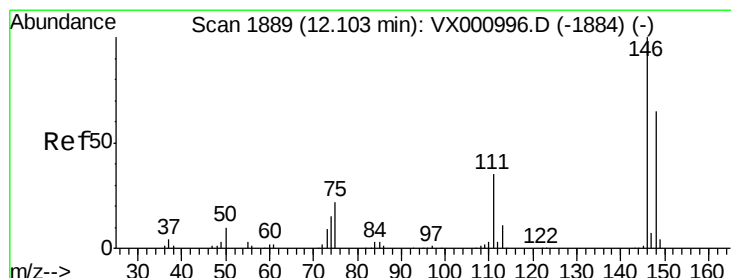
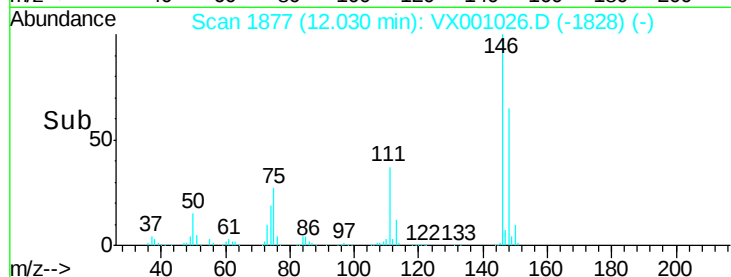
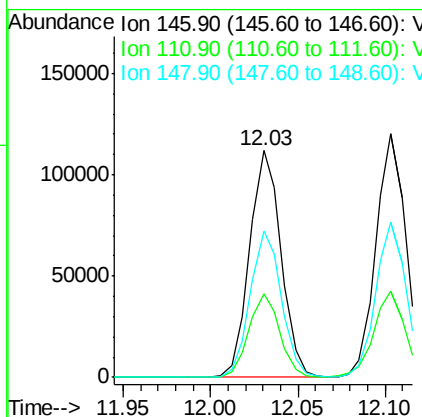
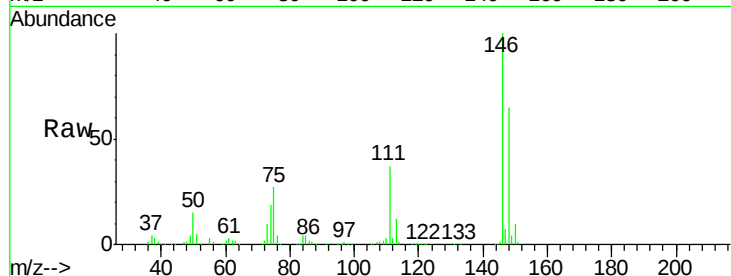
ClientSampleId :

VX0420WBSD02

Tgt Ion:	146	Resp:	140096
Ion Ratio	Lower	Upper	
146	100		
111	36.1	18.3	54.8
148	64.2	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.28 ug/l

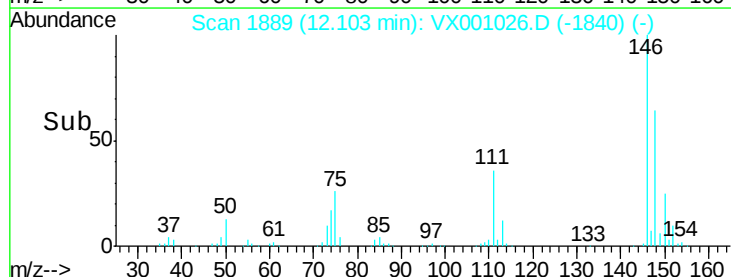
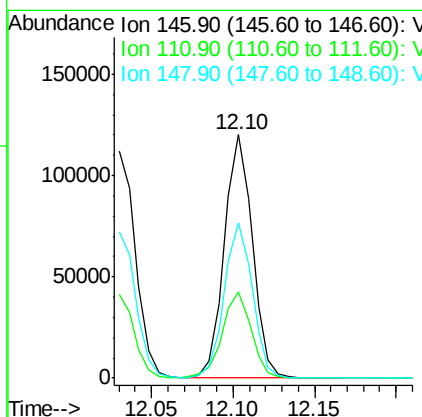
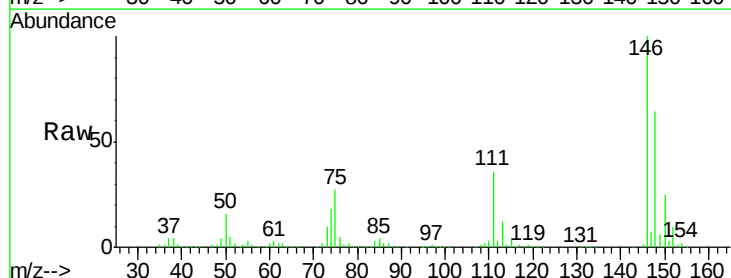
RT: 12.10 min Scan# 1889

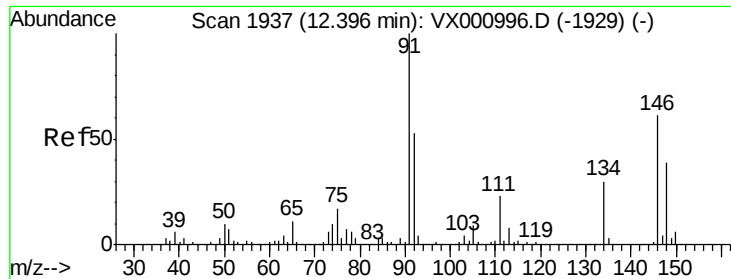
Delta R.T. 0.00 min

Lab File: VX001026.D

Acq: 20 Apr 2018 23:30

Tgt Ion:	146	Resp:	143748
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.0	54.0
148	64.4	32.4	97.0





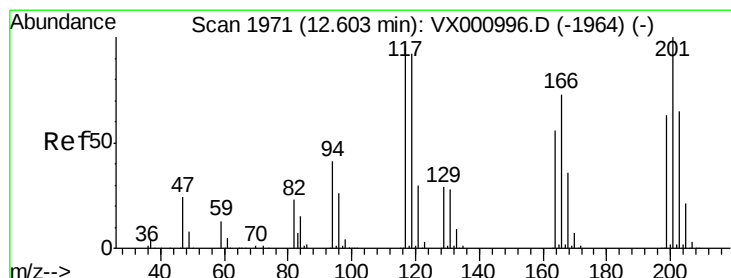
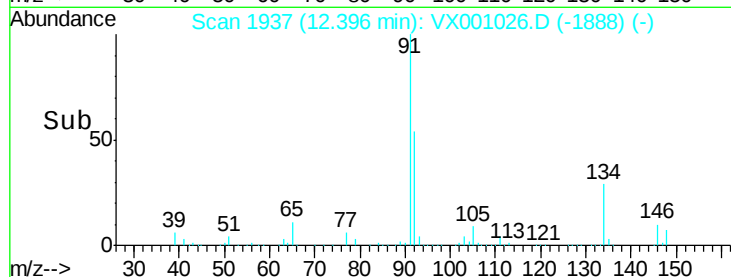
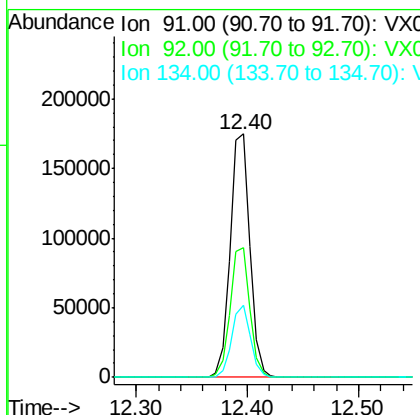
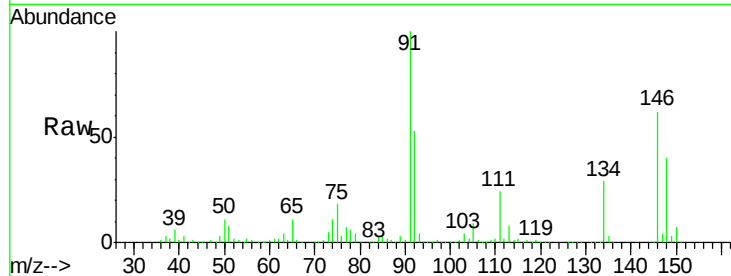
#89
n-Butylbenzene
Concen: 18.95 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion: 91 Resp: 212909
Ion Ratio Lower Upper
91 100
92 53.1 26.3 78.9
134 28.3 14.4 43.0

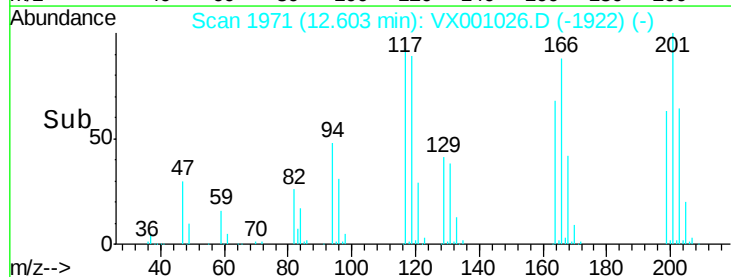
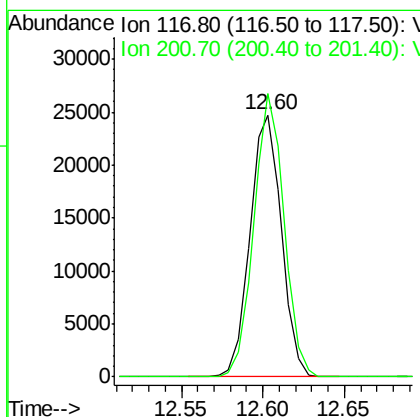
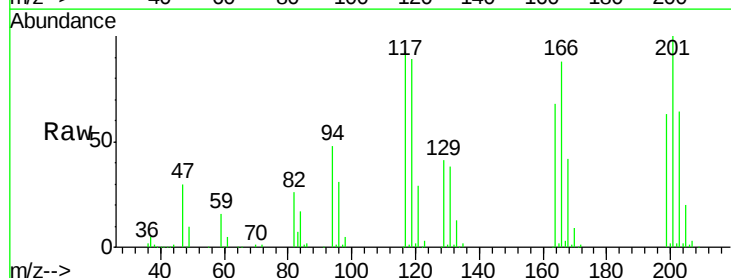
Manual Integrations
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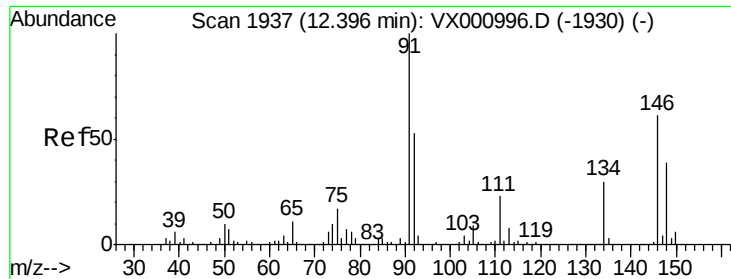
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#90
Hexachloroethane
Concen: 18.49 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion: 117 Resp: 33079
Ion Ratio Lower Upper
117 100
201 103.6 52.3 157.1





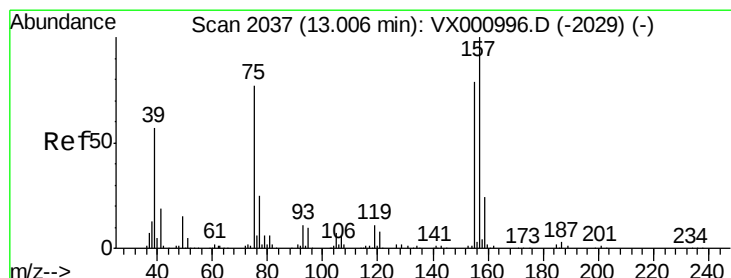
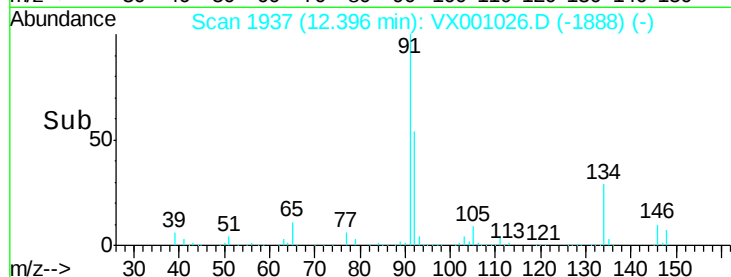
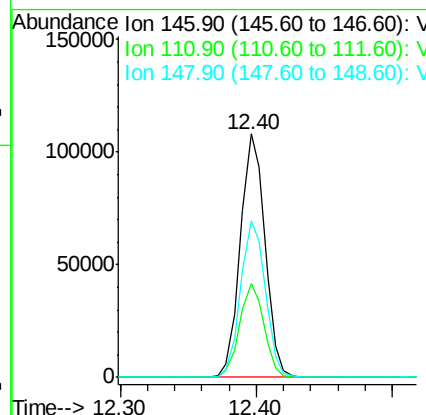
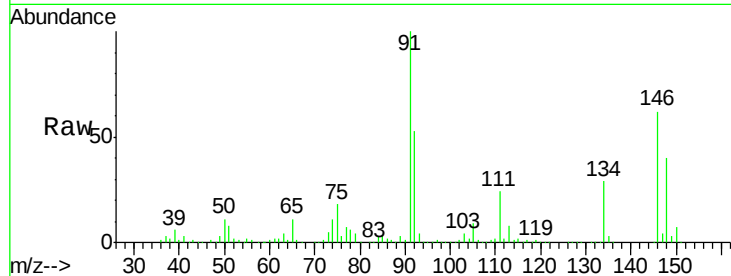
#91
 1,2-Dichlorobenzene
 Concen: 19.37 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	136242		
111	38.2	18.6	56.0	
148	64.7	32.3	96.8	

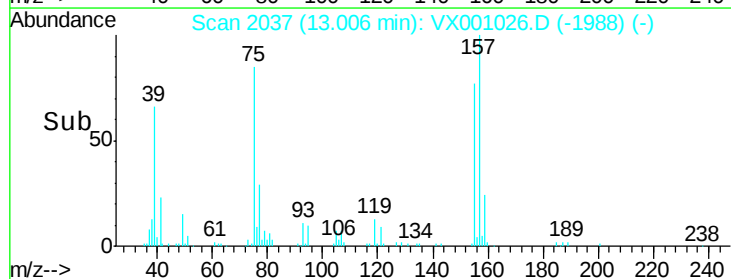
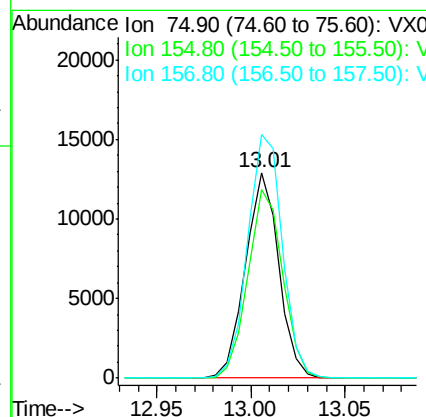
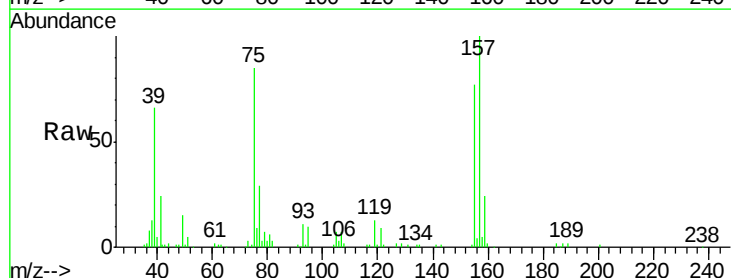
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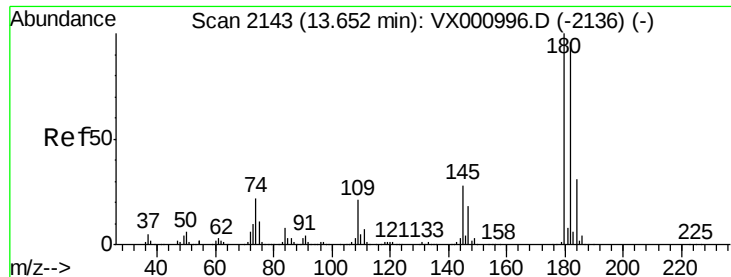
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.97 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15837		
155	95.4	51.0	153.0	
157	123.6	64.9	194.7	





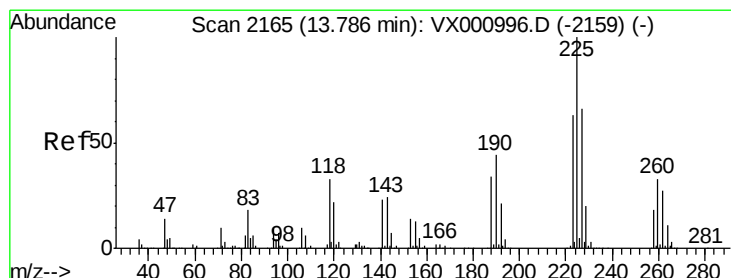
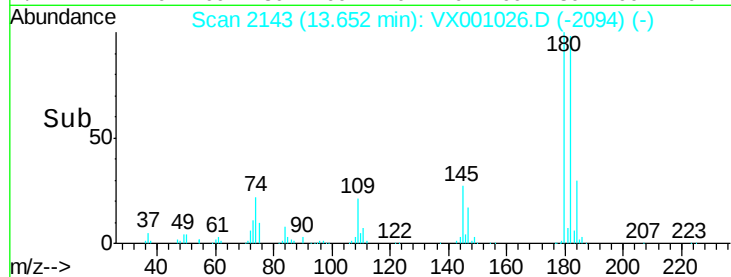
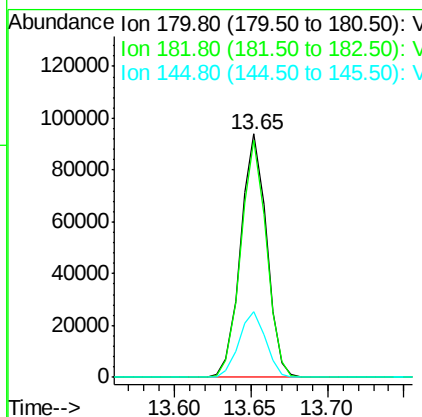
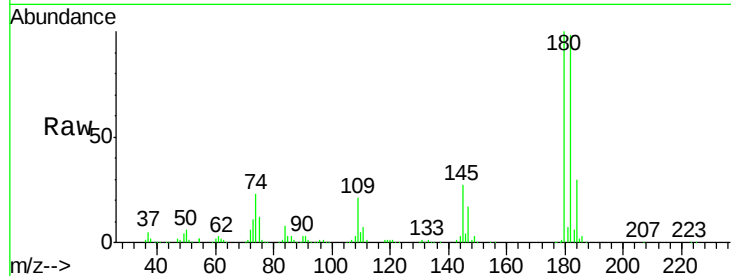
#93
 1,2,4-Trichlorobenzene
 Concen: 18.73 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	110598		
182	96.2	48.0	144.0	
145	27.7	13.9	41.7	

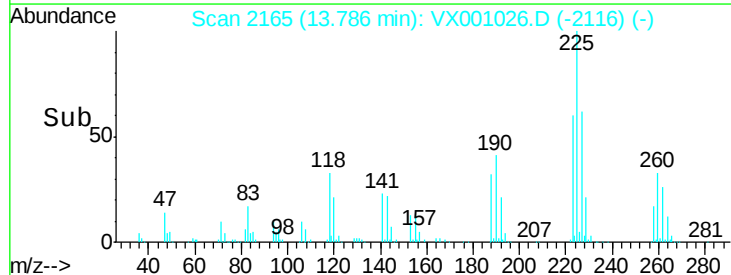
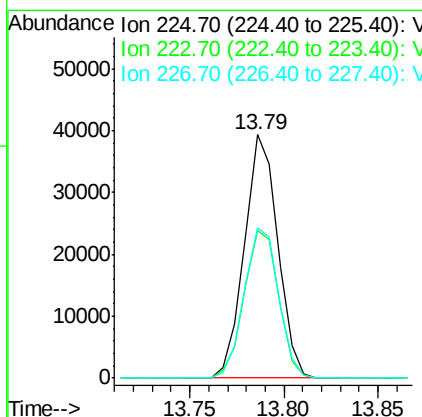
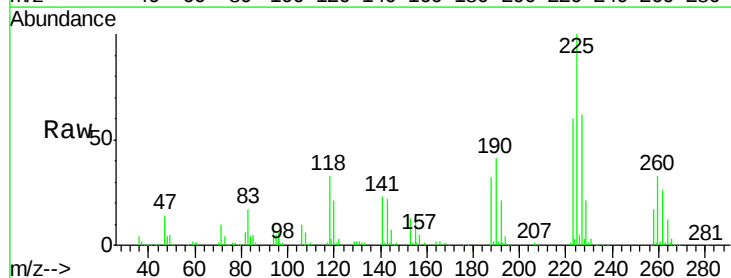
Manual Integrations
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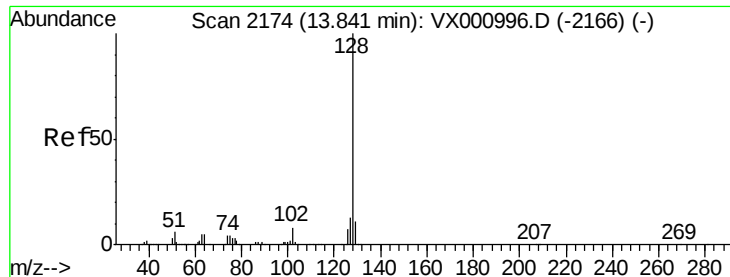
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#94
 Hexachlorobutadiene
 Concen: 18.13 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001026.D
 Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48445		
223	62.4	31.5	94.5	
227	63.7	32.6	97.8	





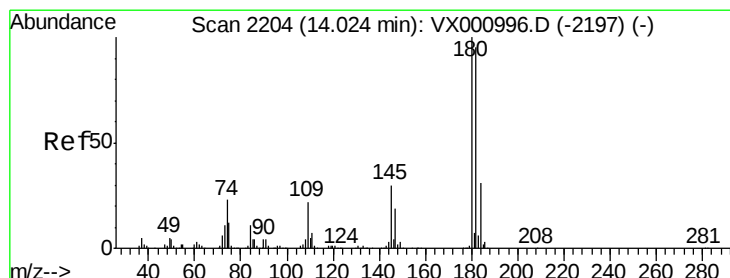
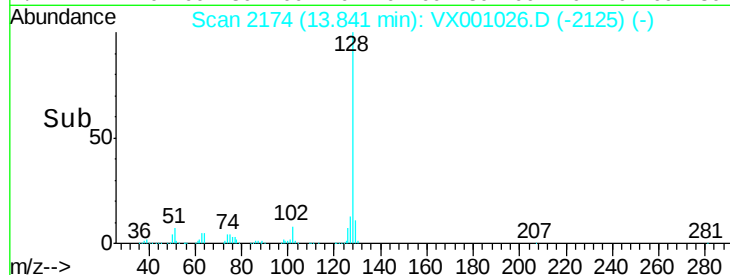
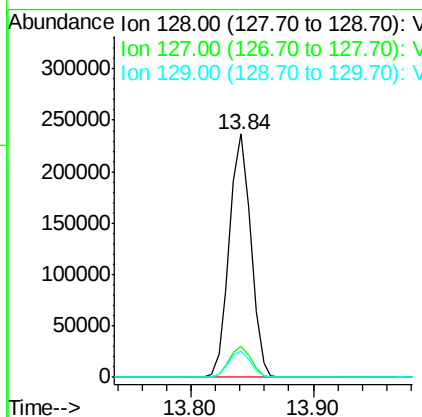
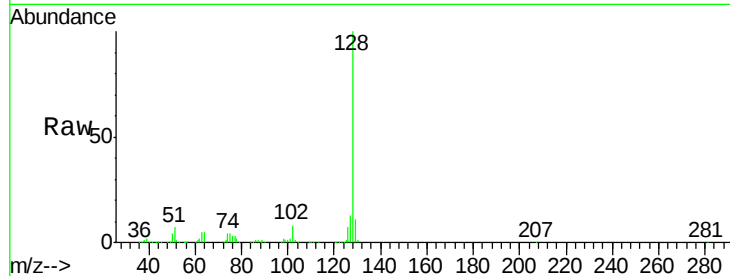
#95
Naphthalene
Concen: 19.79 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0420WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	287379		
127	13.0	10.2	15.4	
129	10.9	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.87 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001026.D
Acq: 20 Apr 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107753		
182	96.9	47.9	143.7	
145	29.4	14.5	43.6	

