

Data File : VX001021.D
Acq On : 20 Apr 2018 20:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/23/2018 1:27:44 PM

Quant Time: Apr 21 06:16:00 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	232957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	317983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216203	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	144056	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	5.51	113	119045	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	8.72	98	434128	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	11.14	95	181490	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	153815	53.24	ug/l	98
3) Chloromethane	1.32	50	127675	47.46	ug/l	100
4) Vinyl Chloride	1.40	62	138540	49.69	ug/l	98
5) Bromomethane	1.64	94	90682	57.69	ug/l	100
6) Chloroethane	1.73	64	84369	50.92	ug/l	99
7) Trichlorofluoromethane	1.93	101	212676	50.77	ug/l	100
8) Diethyl Ether	2.19	74	76806	49.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	119932	48.86	ug/l	99
10) Methyl Iodide	2.51	142	93213	40.23	ug/l	99
11) Tert butyl alcohol	3.07	59	117011	262.74	ug/l	99
12) 1,1-Dichloroethene	2.38	96	113242	49.89	ug/l	95
13) Acrolein	2.30	56	39494	283.13	ug/l	99
14) Allyl chloride	2.73	41	203688	49.59	ug/l	99
15) Acrylonitrile	3.15	53	300974	249.71	ug/l	100
16) Acetone	2.45	43	276363	248.53	ug/l	99
17) Carbon Disulfide	2.57	76	304641	47.09	ug/l	100
18) Methyl Acetate	2.78	43	187657	55.77	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	387218	50.75	ug/l	100
20) Methylene Chloride	2.86	84	122544	52.36	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	122058	48.31	ug/l	99
22) Diisopropyl ether	3.88	45	407149	51.20	ug/l	100
23) Vinyl Acetate	3.83	43	1664648	252.87	ug/l	99
24) 1,1-Dichloroethane	3.70	63	221144	49.58	ug/l	99
25) 2-Butanone	4.71	43	437375	251.96	ug/l	100
26) 2,2-Dichloropropane	4.59	77	178227	46.45	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	139215	49.46	ug/l	99
28) Bromochloromethane	5.03	49	86875	50.65	ug/l	98
29) Tetrahydrofuran	5.17	42	277440	252.93	ug/l	100
30) Chloroform	5.23	83	233346	50.52	ug/l	99
31) Cyclohexane	5.58	56	200759	48.22	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	209744	50.64	ug/l	98
36) 1,1-Dichloropropene	5.81	75	178297	47.71	ug/l	100
37) Ethyl Acetate	4.87	43	170731	49.81	ug/l	100
38) Carbon Tetrachloride	5.79	117	187221	49.48	ug/l	98

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Manual Integrations

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Quant Time: Apr 21 06:16:00 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	204612	47.04	ug/l	98
40) Benzene	6.15	78	513672	49.45	ug/l	99
41) Methacrylonitrile	5.07	41	102755	48.01	ug/l	100
42) 1,2-Dichloroethane	6.21	62	197171	49.45	ug/l	99
43) Isopropyl Acetate	6.47	43	294173	50.02	ug/l	99
44) Trichloroethene	7.22	130	152711	48.11	ug/l	97
45) 1,2-Dichloropropane	7.53	63	131640	50.39	ug/l	98
46) Dibromomethane	7.67	93	90573	49.62	ug/l	100
47) Bromodichloromethane	7.90	83	173393	51.28	ug/l	98
48) Methyl methacrylate	7.79	41	159359	50.33	ug/l	99
49) 1,4-Dioxane	7.76	88	48903	1050.24	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	914565	256.14	ug/l	100
52) Toluene	8.79	92	335161	49.43	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	208958	51.67	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	196866	51.63	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	135390	50.24	ug/l	99
56) Ethyl methacrylate	9.19	69	202260	51.10	ug/l	99
57) 1,3-Dichloropropane	9.38	76	221494	49.61	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	497939	257.75	ug/l	100
59) 2-Hexanone	9.51	43	690783	252.76	ug/l	100
60) Dibromochloromethane	9.59	129	149973	52.98	ug/l	100
61) 1,2-Dibromoethane	9.68	107	144348	50.75	ug/l	100
64) Tetrachloroethene	9.34	164	155756	47.63	ug/l	99
65) Chlorobenzene	10.15	112	395983	48.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	142554	50.65	ug/l	99
67) Ethyl Benzene	10.26	91	667045	48.98	ug/l	99
68) m/p-Xylenes	10.37	106	523660	97.57	ug/l	99
69) o-Xylene	10.71	106	252180	48.74	ug/l	99
70) Styrene	10.72	104	425701	49.96	ug/l	100
71) Bromoform	10.87	173	122632	46.97	ug/l	99
73) Isopropylbenzene	11.02	105	681363	48.21	ug/l	99
74) N-amyl acetate	6.47	43	294173	48.65	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	201384	50.33	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	187832m	50.07	ug/l	
77) Bromobenzene	11.26	156	196372	47.86	ug/l	99
78) n-propylbenzene	11.37	91	775918	47.82	ug/l	99
79) 2-Chlorotoluene	11.43	91	460175	47.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	585823	48.89	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	52083	43.09	ug/l	98
82) 4-Chlorotoluene	11.52	91	553966	47.81	ug/l	100
83) tert-Butylbenzene	11.77	119	594486	49.18	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	601018	48.74	ug/l	100
85) sec-Butylbenzene	11.95	105	694156	48.11	ug/l	100
86) p-Isopropyltoluene	12.07	119	639063	47.88	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	365376	47.57	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	375696	47.65	ug/l	100
89) n-Butylbenzene	12.39	91	559011	47.08	ug/l	99
90) Hexachloroethane	12.60	117	95628	50.57	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	359162	48.30	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	42972	51.27	ug/l	99

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

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Quant Time: Apr 21 06:16:00 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	291414	46.69	ug/l	99
94) Hexachlorobutadiene	13.79	225	118992	42.13	ug/l	99
95) Naphthalene	13.84	128	765908	49.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	283801	47.01	ug/l	100

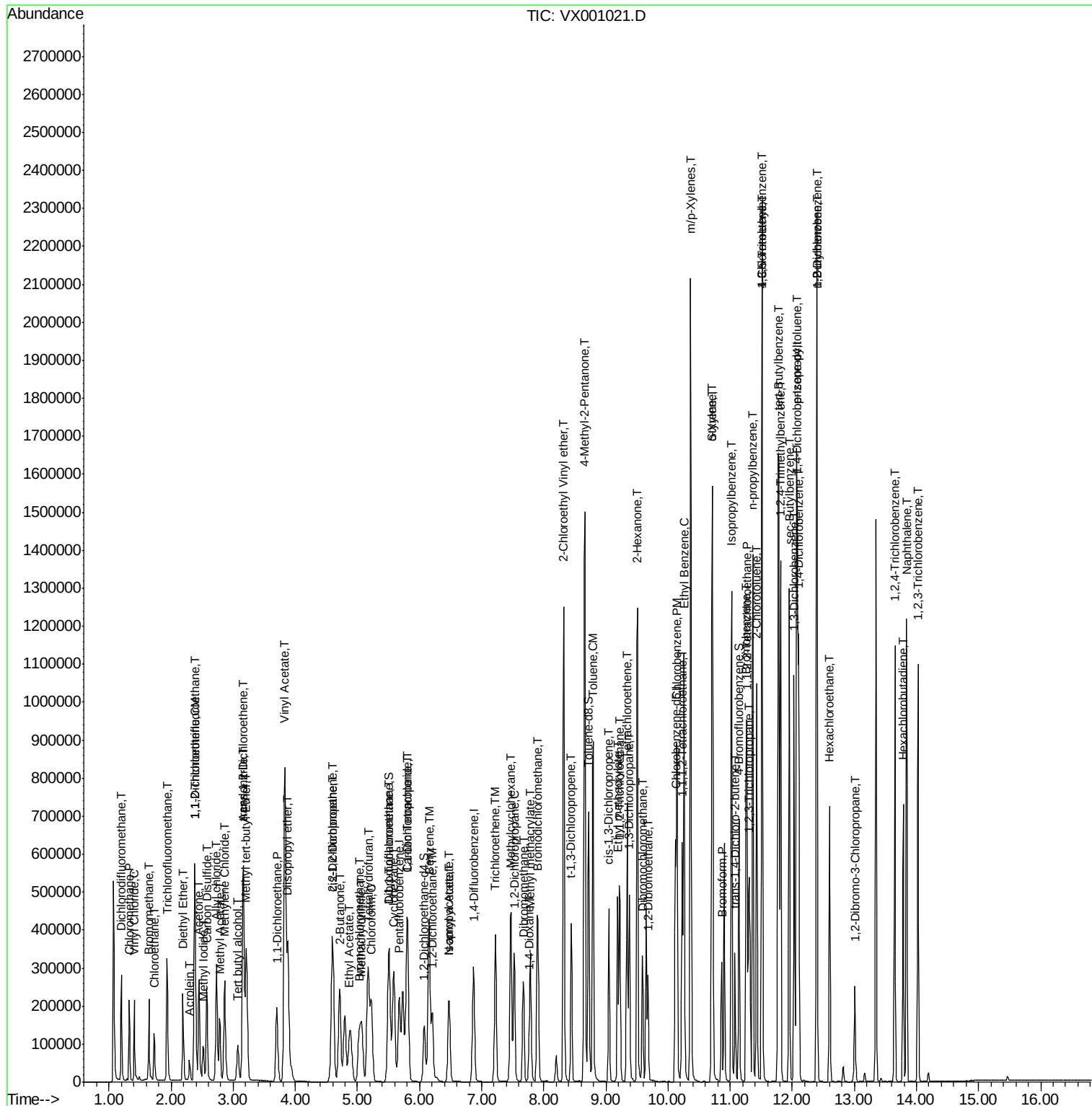
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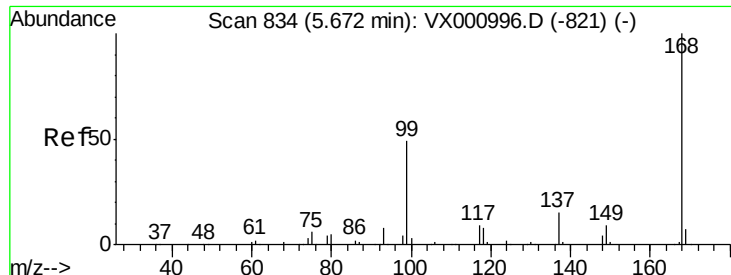
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

MMDadoda
4/23/2018 1:27:44 PM

Quant Time: Apr 21 06:16:00 2018
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Quant Title : SW846 8260
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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: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 232957

Ion Ratio Lower Upper

168 100

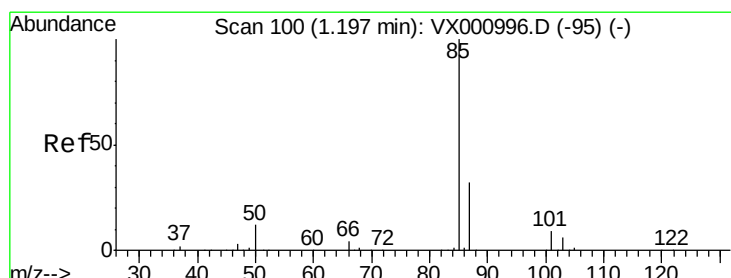
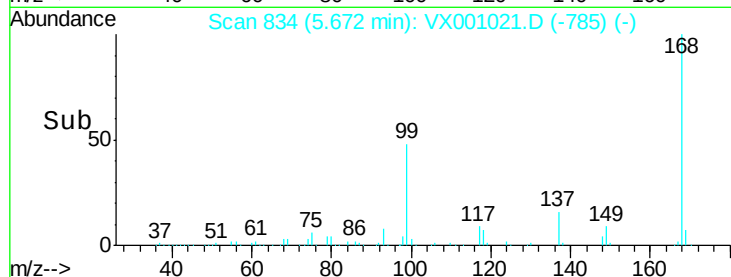
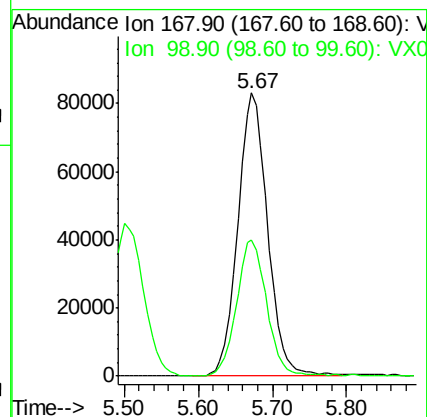
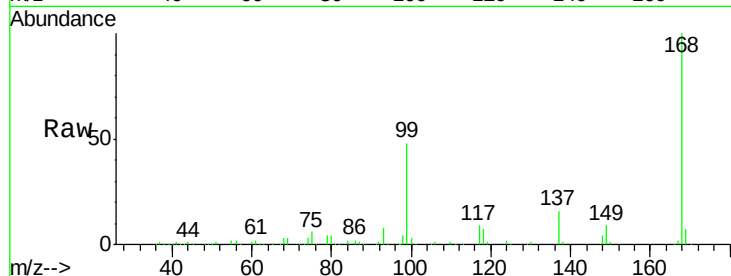
99 47.9 39.2 58.8

Manual Integrations

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4/23/2018 1:27:44 PM



#2

Dichlorodifluoromethane

Concen: 53.24 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001021.D

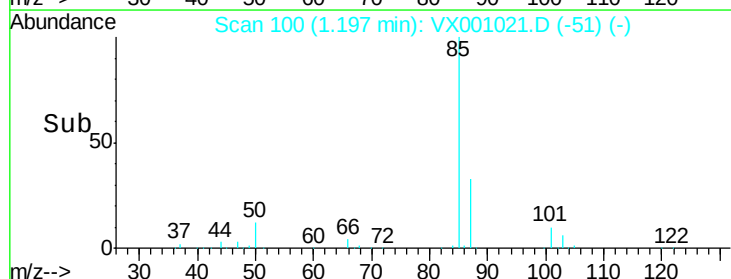
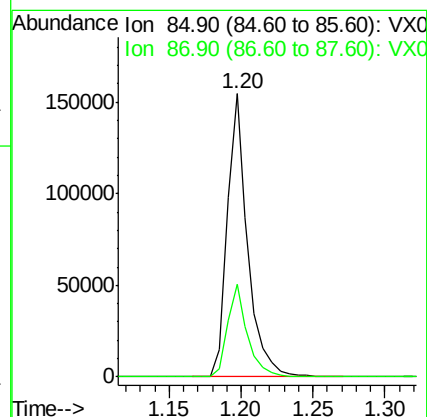
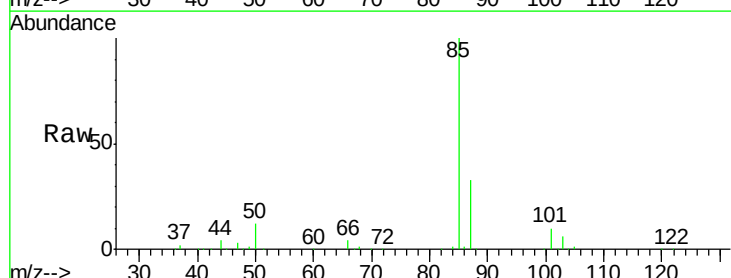
Acq: 20 Apr 2018 20:32

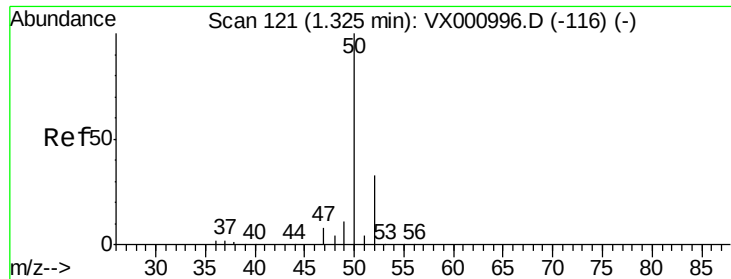
Tgt Ion: 85 Resp: 153815

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.4





#3

Chloromethane

Concen: 47.46 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 127675

Ion Ratio Lower Upper

50 100

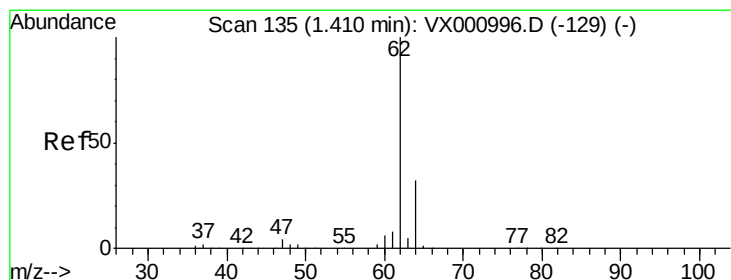
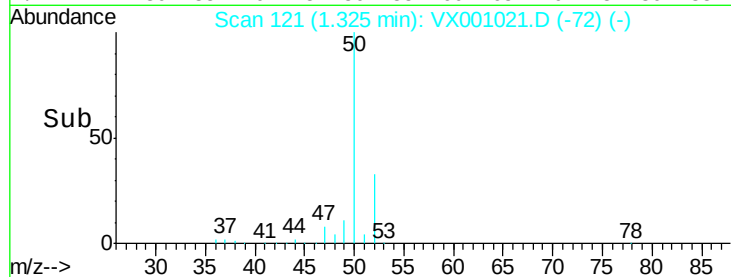
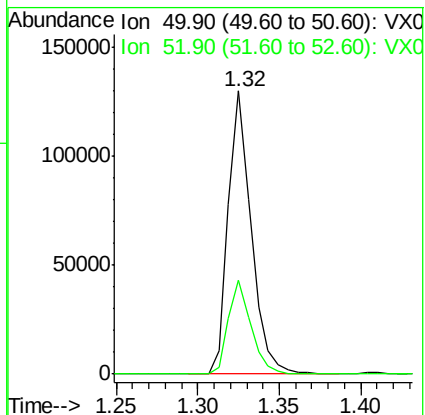
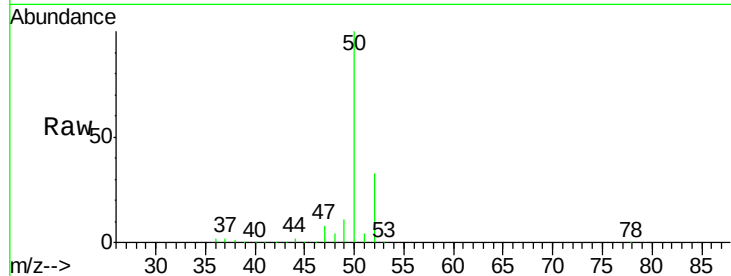
52 33.1 26.3 39.5

Manual Integrations

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4/23/2018 1:27:44 PM



#4

Vinyl Chloride

Concen: 49.69 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001021.D

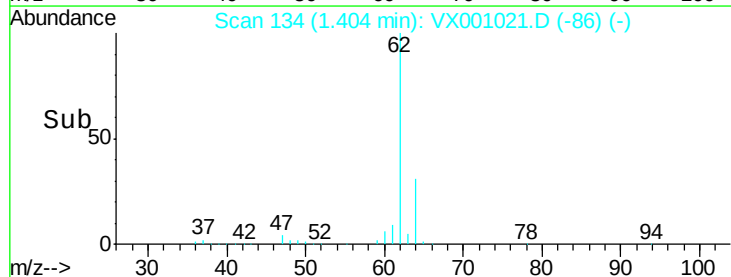
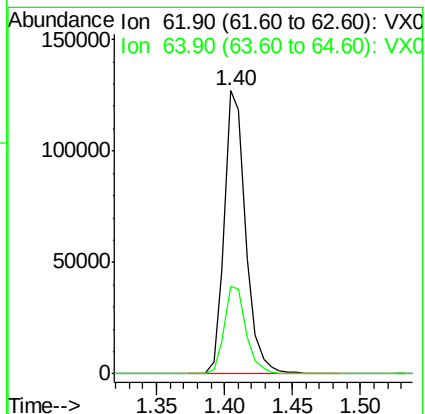
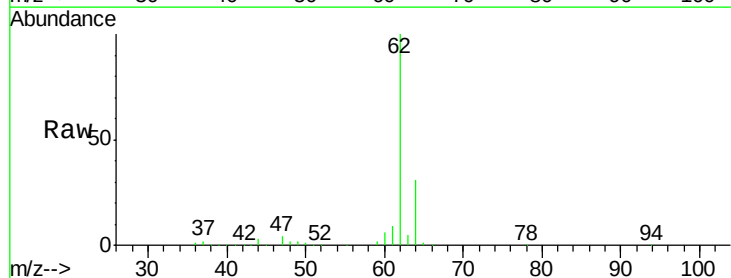
Acq: 20 Apr 2018 20:32

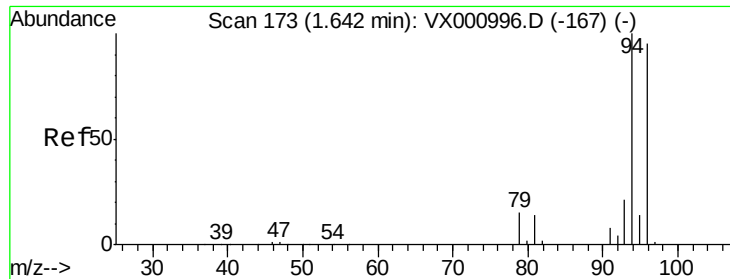
Tgt Ion: 62 Resp: 138540

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 57.69 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 90682

Ion Ratio Lower Upper

94 100

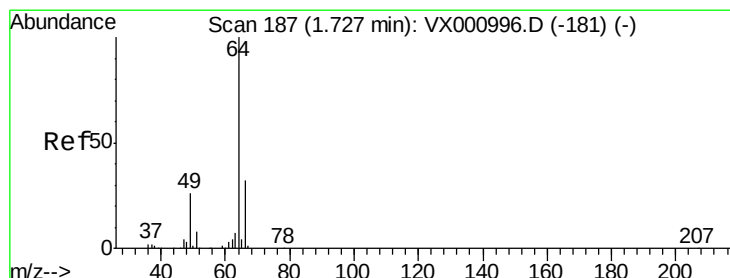
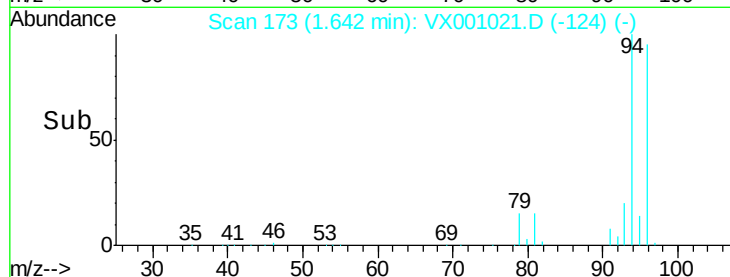
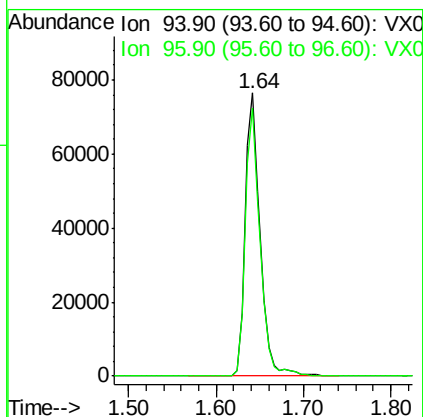
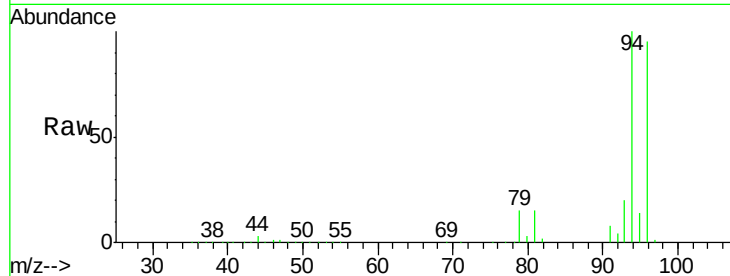
96 94.9 76.0 114.0

Manual Integrations

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4/23/2018 1:27:44 PM



#6

Chloroethane

Concen: 50.92 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX001021.D

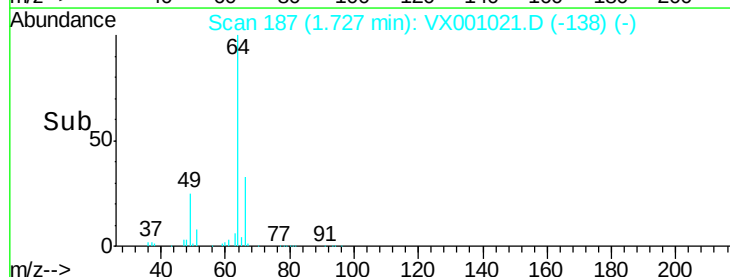
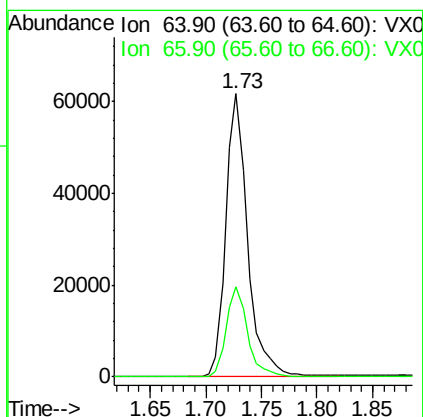
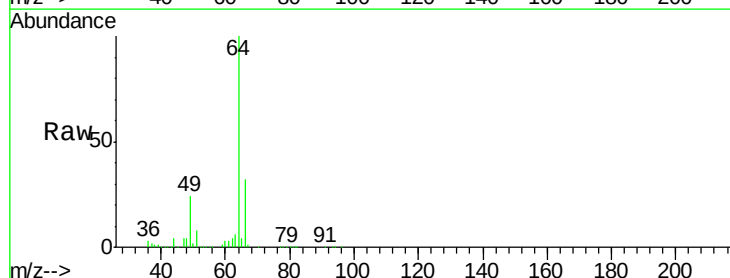
Acq: 20 Apr 2018 20:32

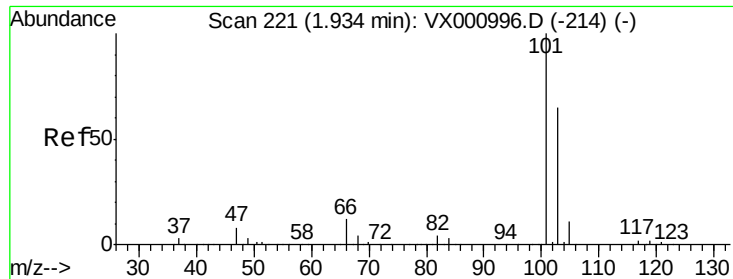
Tgt Ion: 64 Resp: 84369

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9





#7

Trichlorofluoromethane

Concen: 50.77 ug/l

RT: 1.93 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 101 Resp: 212676

Ion Ratio Lower Upper

101 100

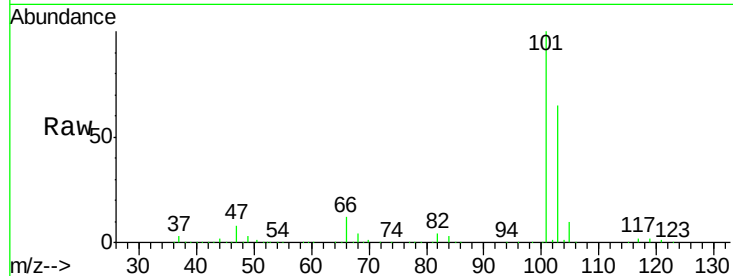
103 65.1 51.8 77.8

Manual Integrations

APPROVED

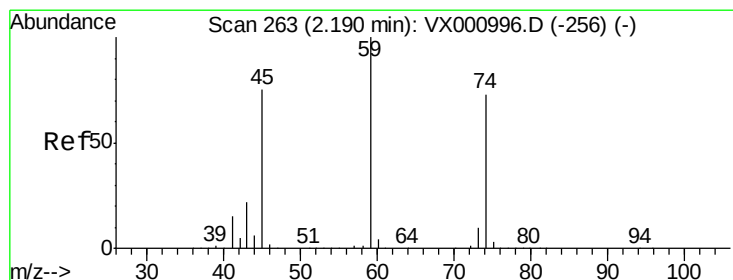
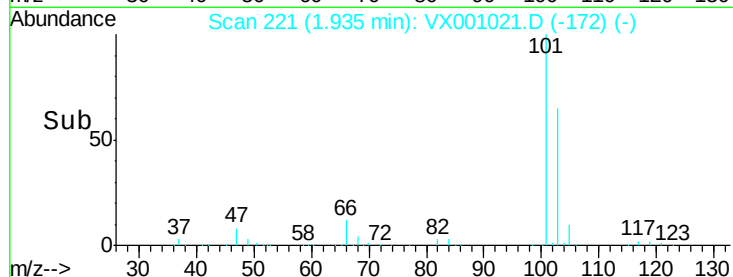
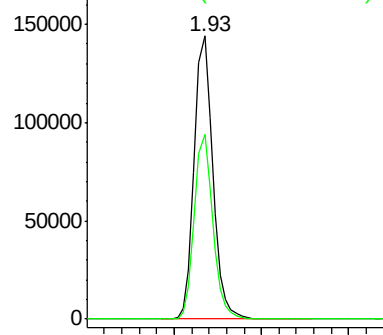
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.64 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001021.D

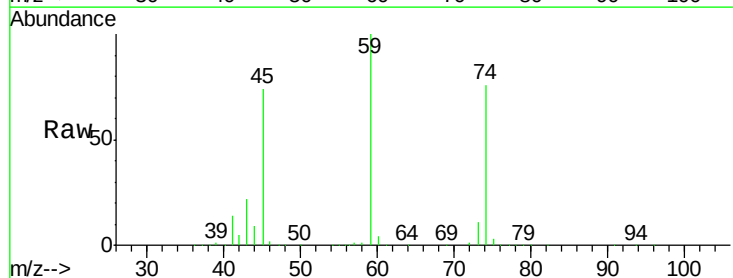
Acq: 20 Apr 2018 20:32

Tgt Ion: 74 Resp: 76806

Ion Ratio Lower Upper

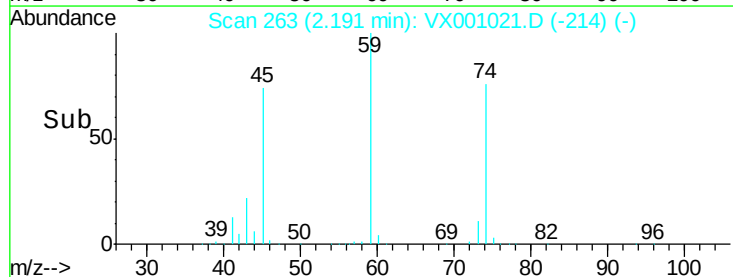
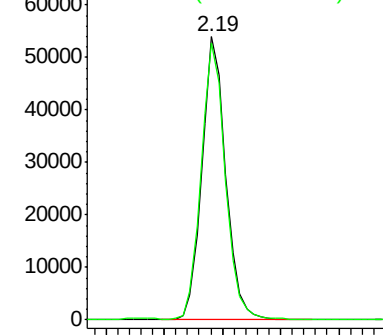
74 100

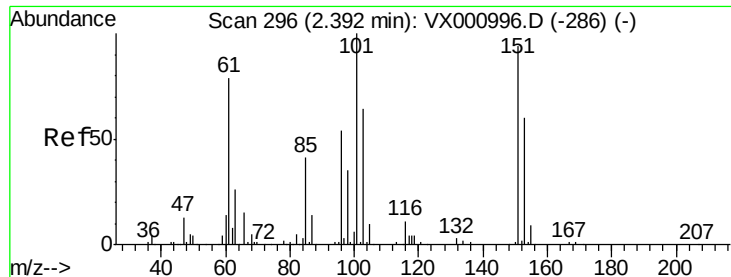
45 99.3 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.86 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

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MSVOA_X

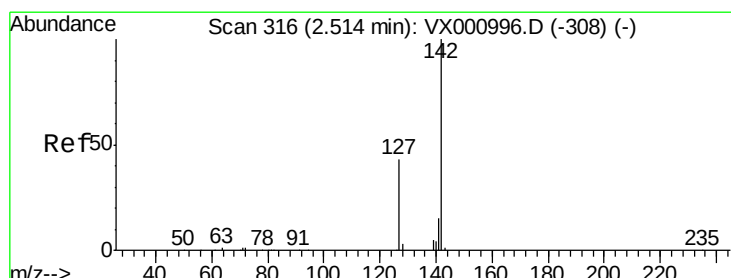
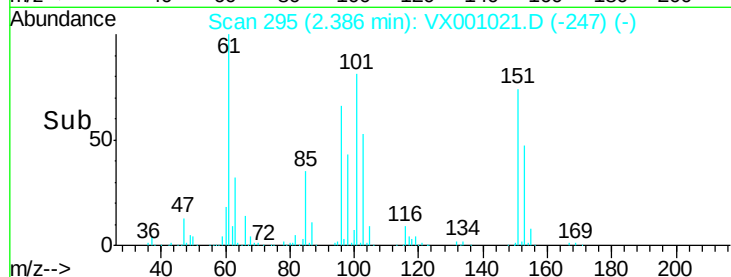
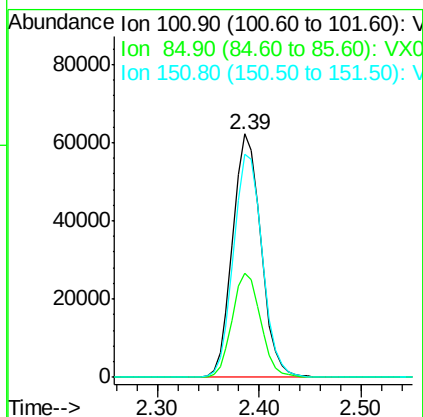
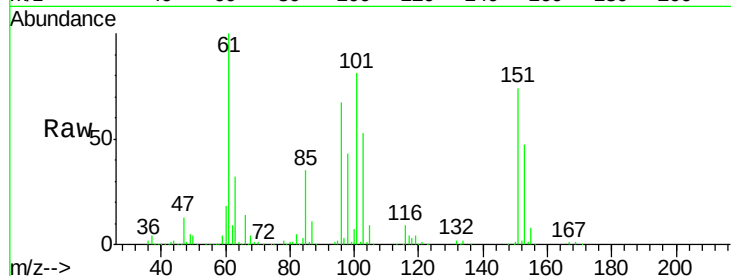
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	119932
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.9	50.9
151	93.0	73.5	110.3

Manual Integrations
APPROVED

MMDadoda
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#10

Methyl Iodide

Concen: 40.23 ug/l

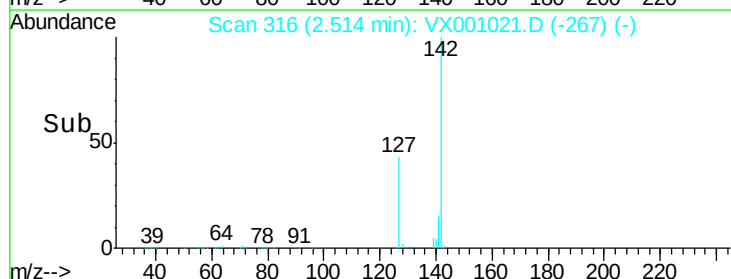
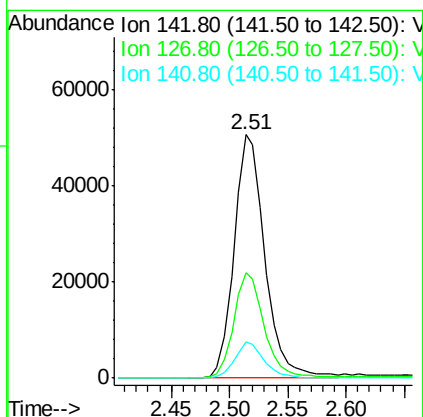
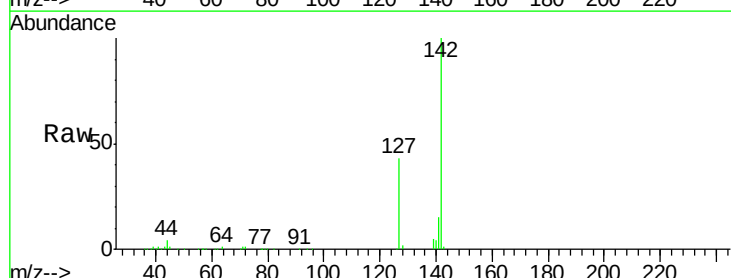
RT: 2.51 min Scan# 316

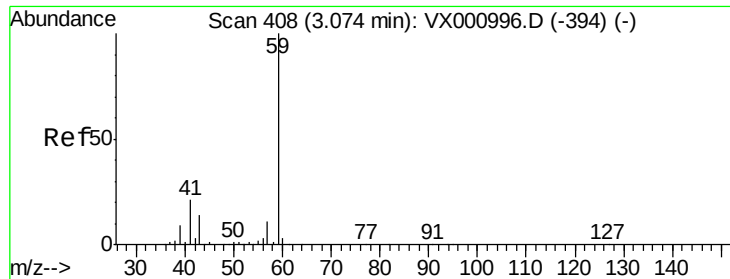
Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Tgt Ion:	142	Resp:	93213
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.0	51.0
141	14.6	11.4	17.2





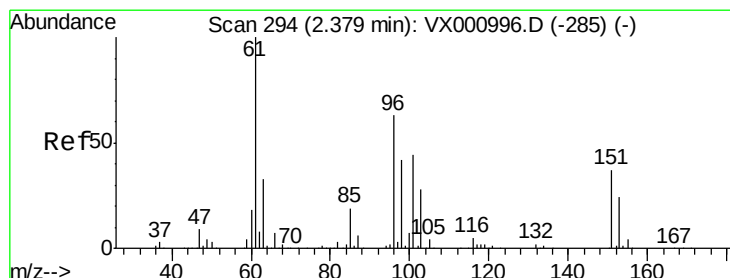
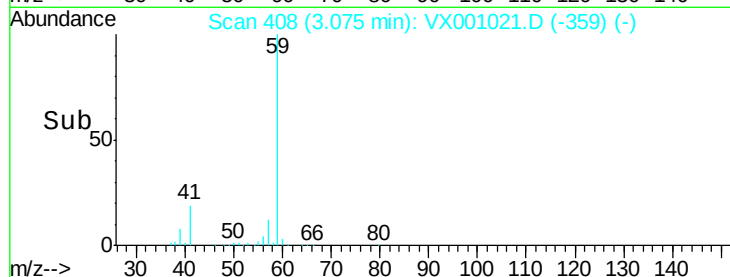
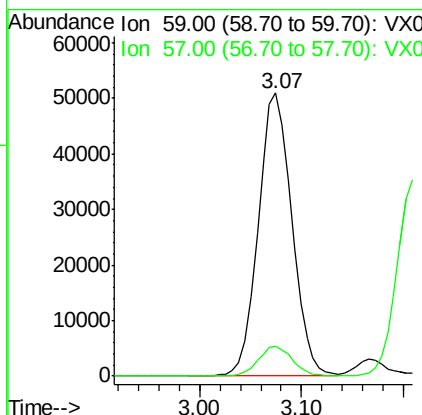
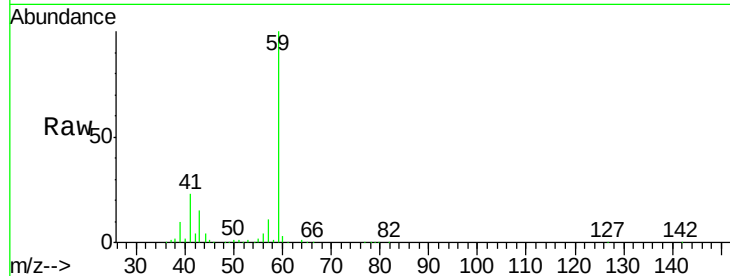
#11
Tert butyl alcohol
Concen: 262.74 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 117011
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5

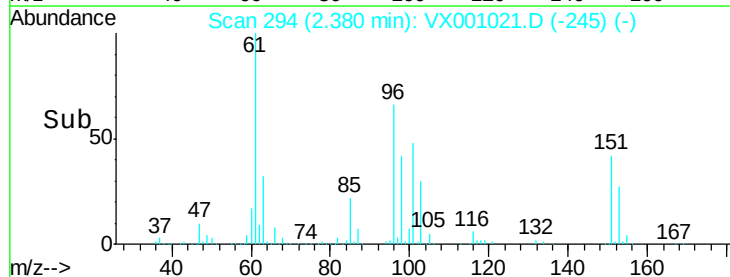
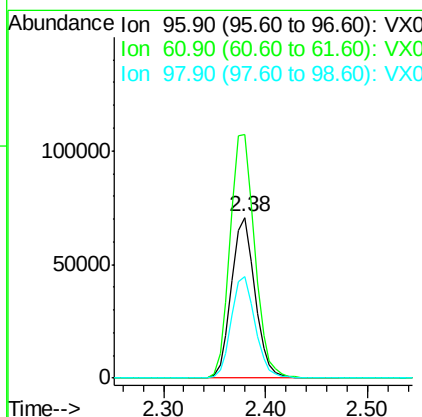
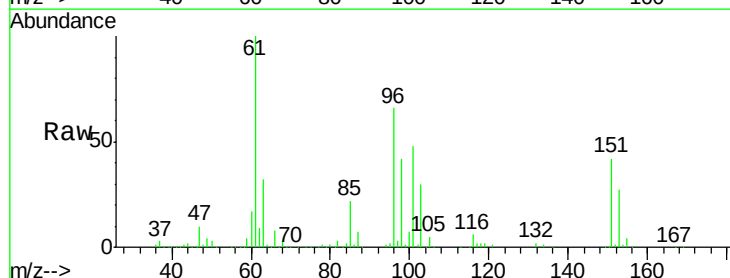
Manual Integrations
APPROVED

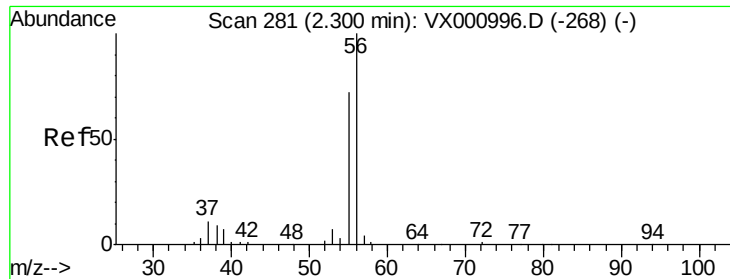
MMDadoda
4/23/2018 1:27:44 PM



#12
1,1-Dichloroethene
Concen: 49.89 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion: 96 Resp: 113242
Ion Ratio Lower Upper
96 100
61 151.3 126.4 189.6
98 63.3 52.6 78.8





#13

Acrolein

Concen: 283.13 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 39494

Ion Ratio Lower Upper

56 100

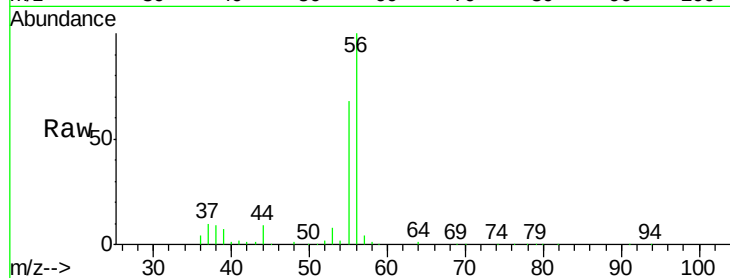
55 72.3 57.4 86.2

Manual Integrations

APPROVED

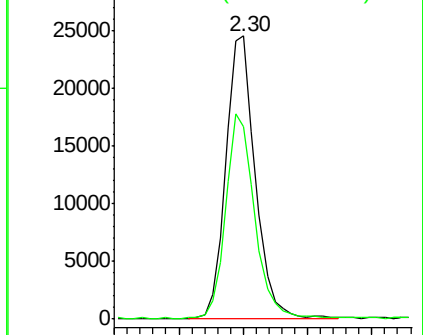
MMDadoda

4/23/2018 1:27:44 PM

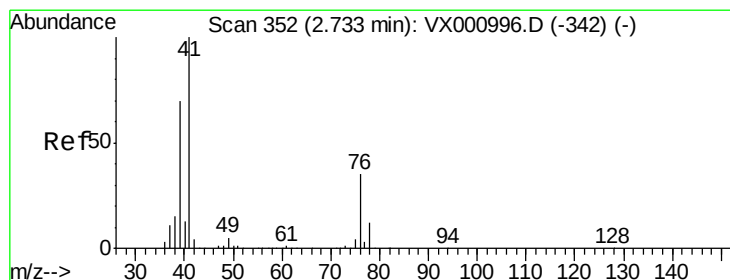
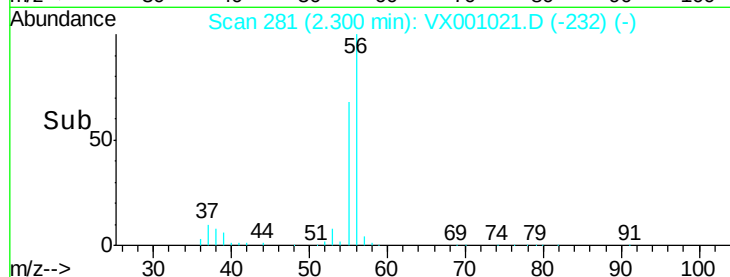


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 49.59 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

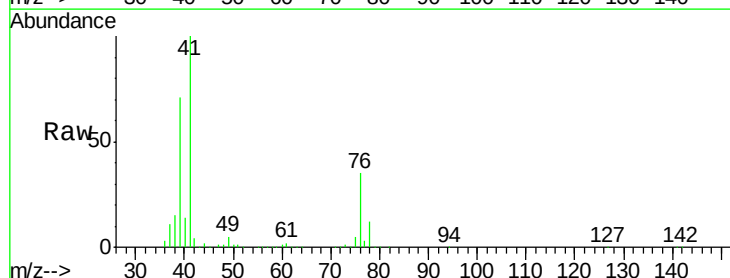
Tgt Ion: 41 Resp: 203688

Ion Ratio Lower Upper

41 100

39 67.3 53.0 79.6

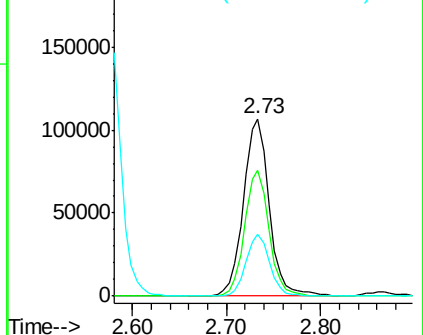
76 32.0 25.9 38.9



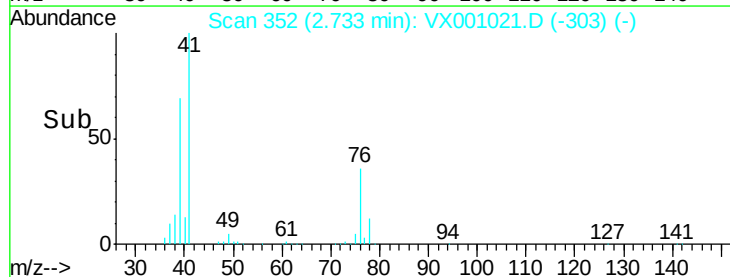
Abundance Ion 41.00 (40.70 to 41.70): VX0

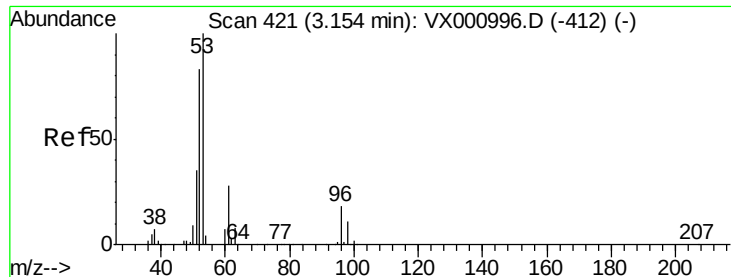
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 249.71 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

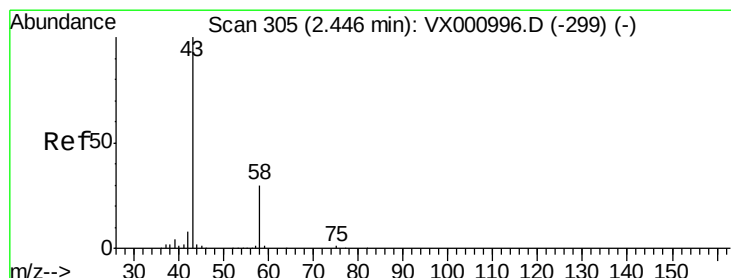
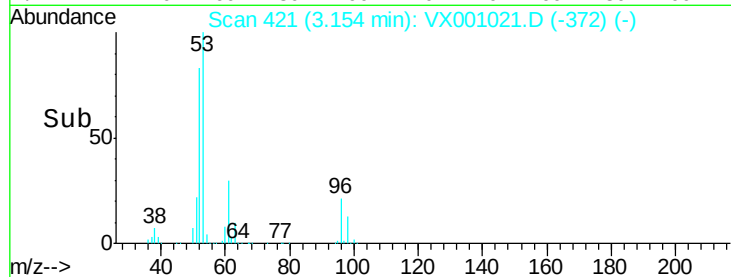
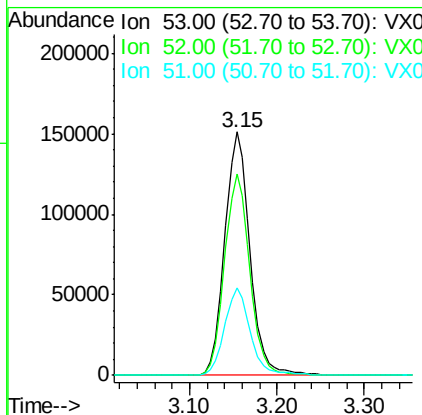
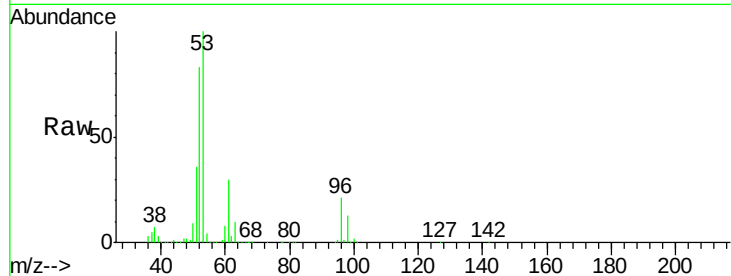
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	300974
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.4	99.6
51	36.5	29.0	43.6

Manual Integrations
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4/23/2018 1:27:44 PM



#16

Acetone

Concen: 248.53 ug/l

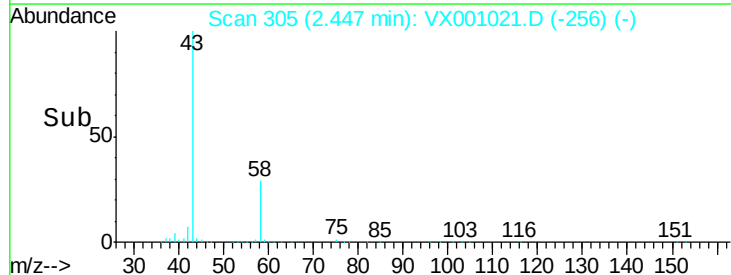
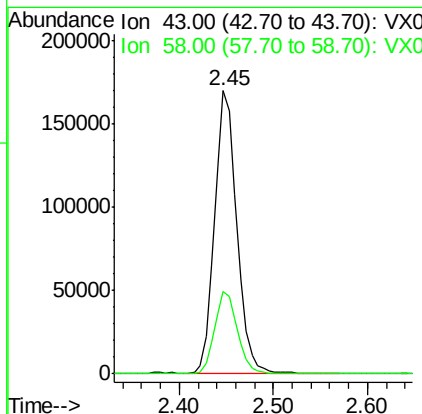
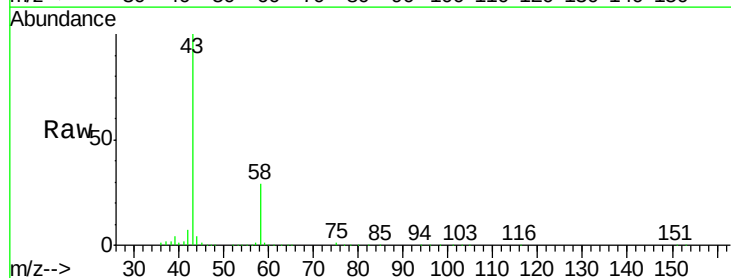
RT: 2.45 min Scan# 305

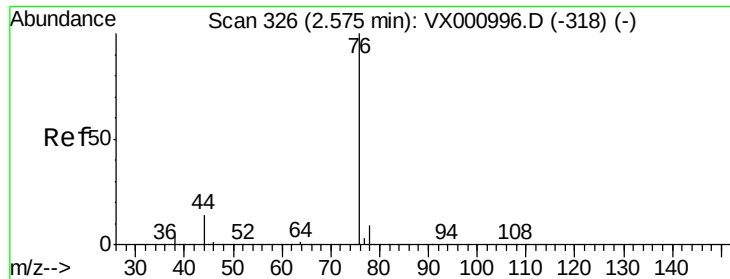
Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Tgt Ion:	43	Resp:	276363
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.7	35.5





#17

Carbon Disulfide

Concen: 47.09 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 304641

Ion Ratio Lower Upper

76 100

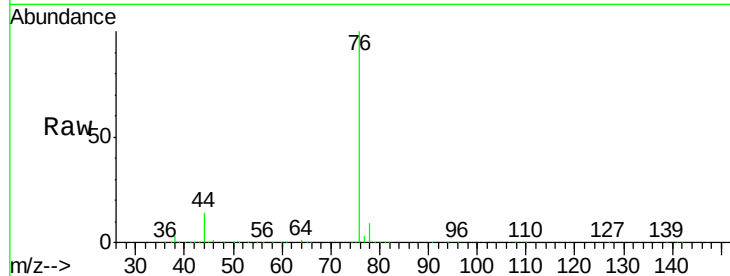
78 9.1 7.3 10.9

Manual Integrations

APPROVED

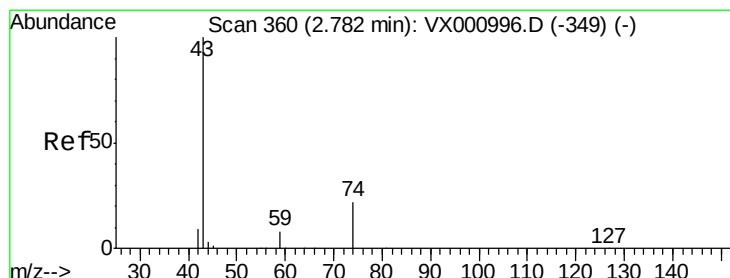
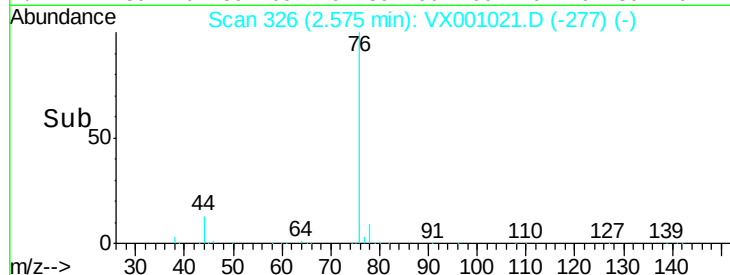
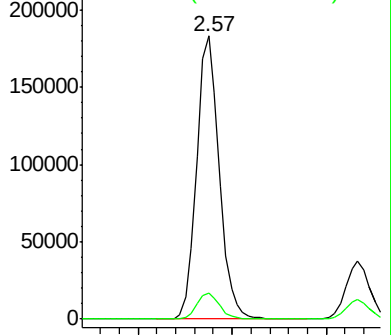
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 55.77 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001021.D

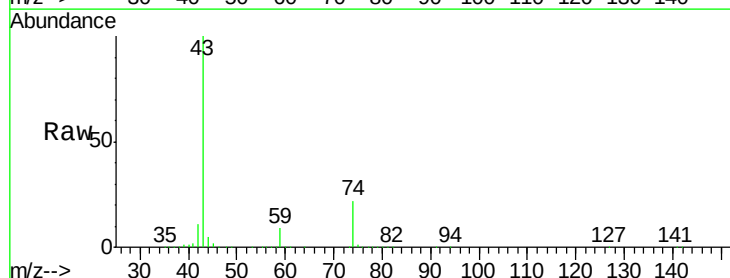
Acq: 20 Apr 2018 20:32

Tgt Ion: 43 Resp: 187657

Ion Ratio Lower Upper

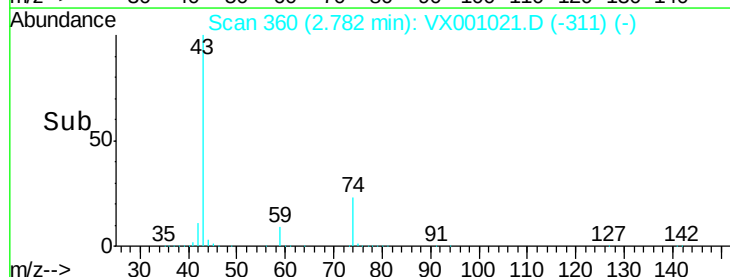
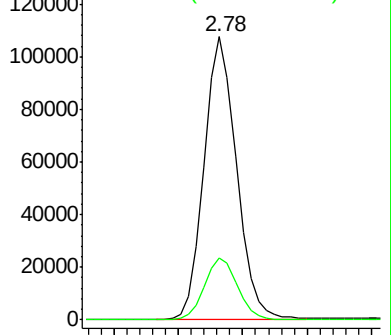
43 100

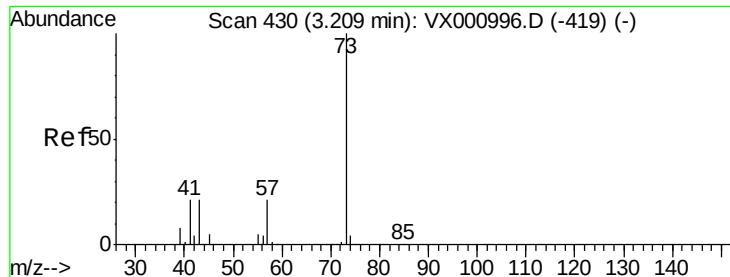
74 22.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





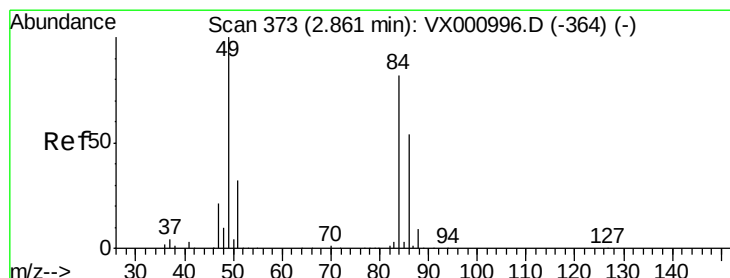
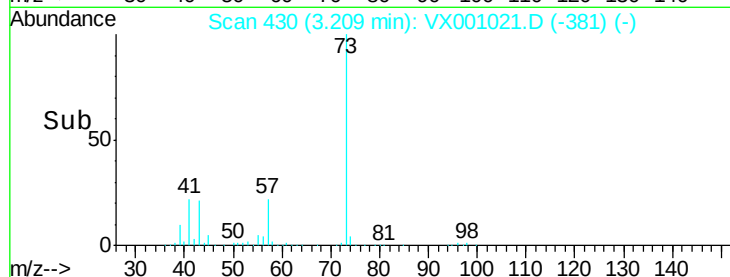
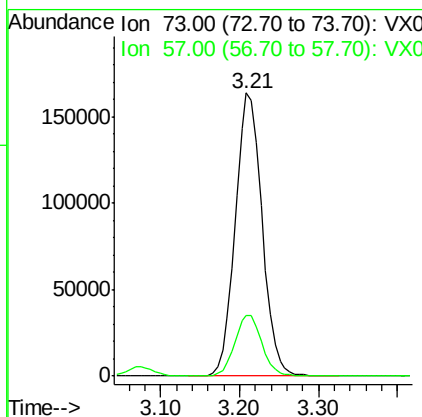
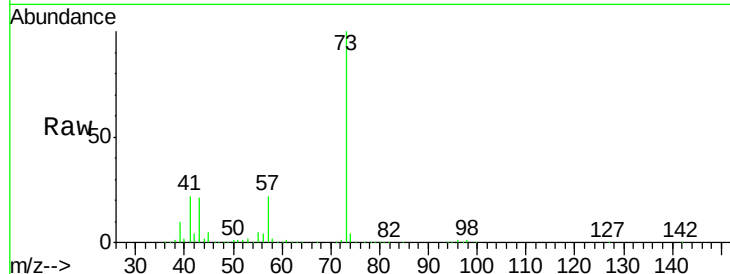
#19
Methyl tert-butyl Ether
Concen: 50.75 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.1	25.7

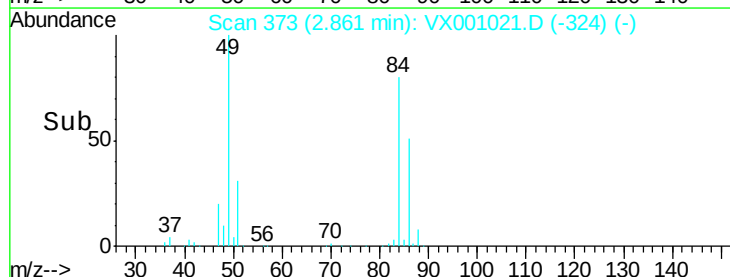
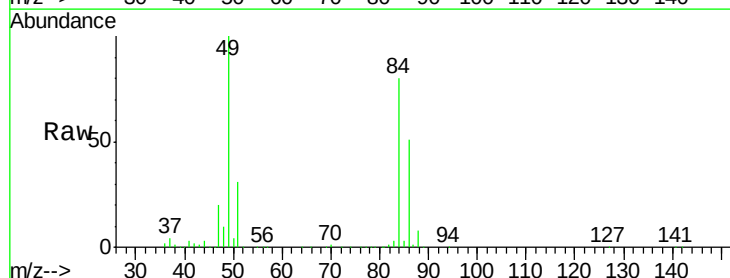
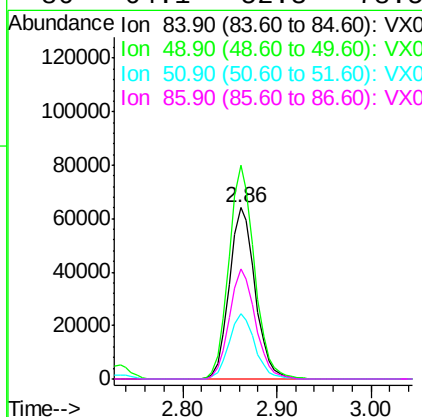
Manual Integrations
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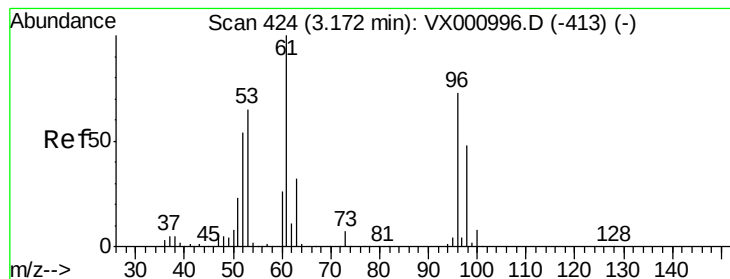
MMDadoda
4/23/2018 1:27:44 PM



#20
Methylene Chloride
Concen: 52.36 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.7	97.1	145.7
51	38.4	30.8	46.2
86	64.1	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 48.31 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 122058

Ion Ratio Lower Upper

96 100

61 136.6 109.4 164.2

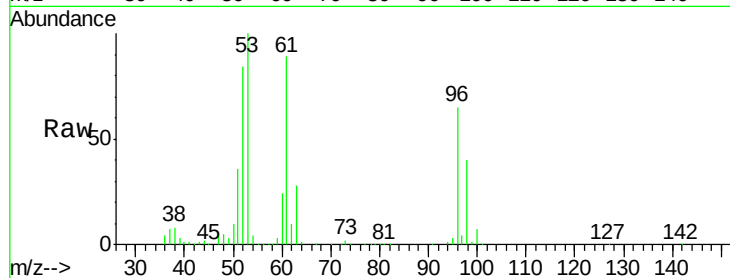
98 62.3 52.6 78.8

Manual Integrations

APPROVED

MMDadoda

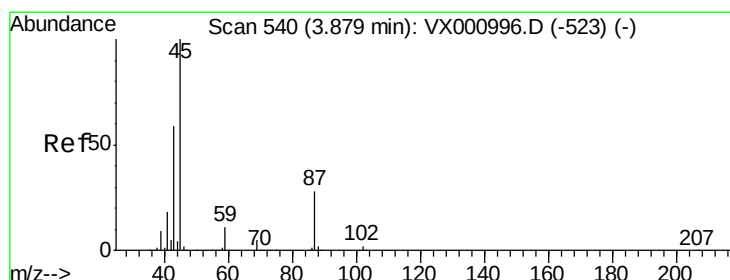
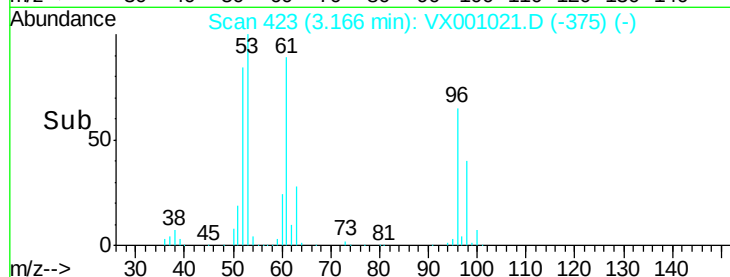
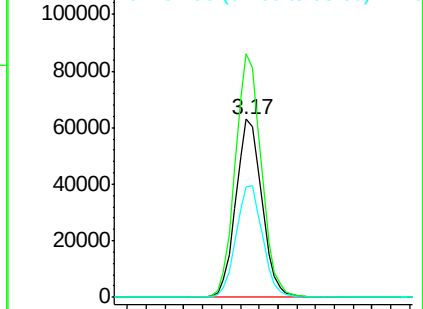
4/23/2018 1:27:44 PM



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: 51.20 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Tgt Ion: 45 Resp: 407149

Ion Ratio Lower Upper

45 100

43 58.6 47.0 70.4

87 28.3 22.5 33.7

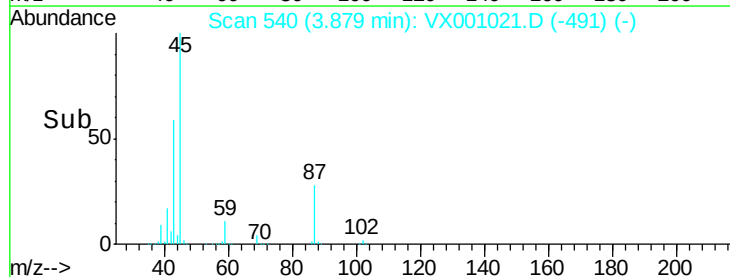
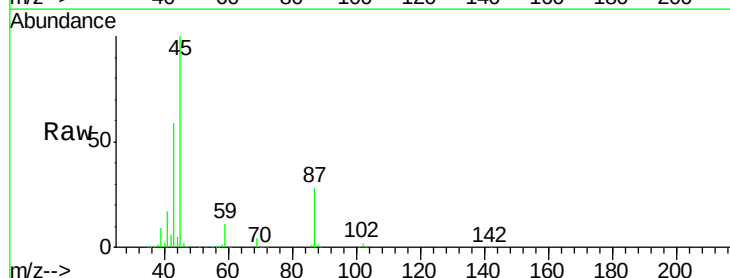
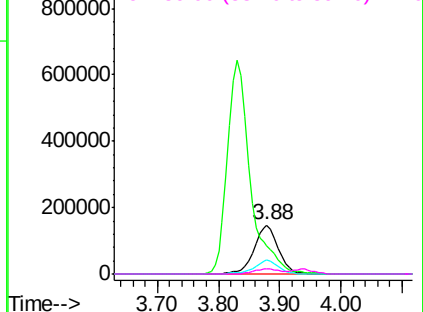
59 11.0 8.8 13.2

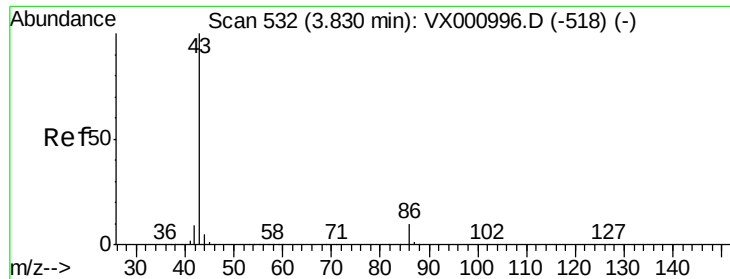
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 252.87 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1664648

Ion Ratio Lower Upper

43 100

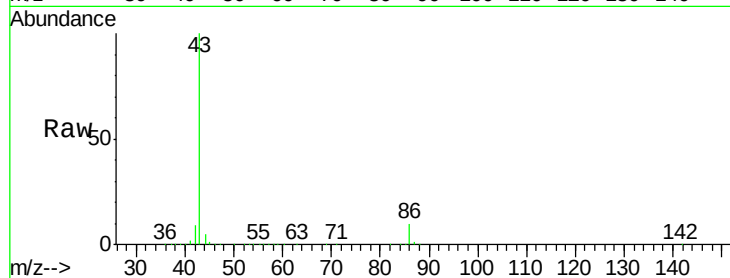
86 9.8 8.1 12.1

Manual Integrations

APPROVED

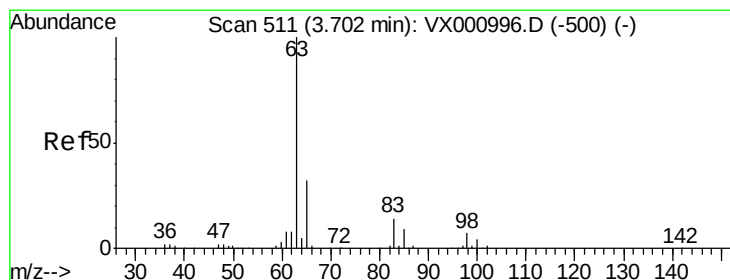
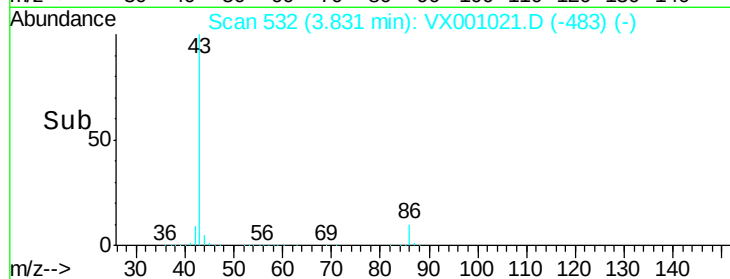
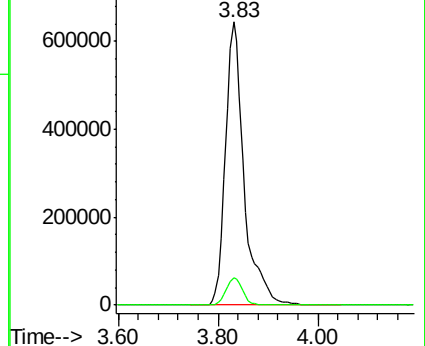
MMDadoda

4/23/2018 1:27:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.58 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

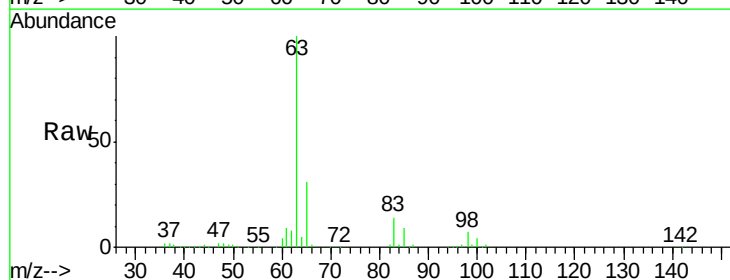
Tgt Ion: 63 Resp: 221144

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

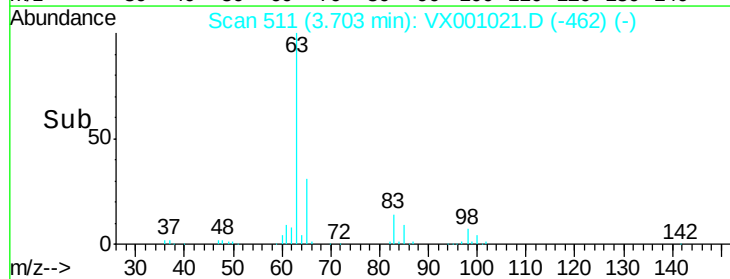
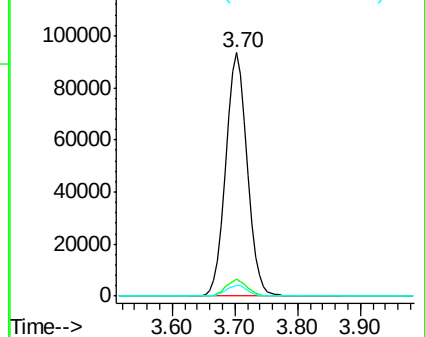
100 4.3 2.1 6.3

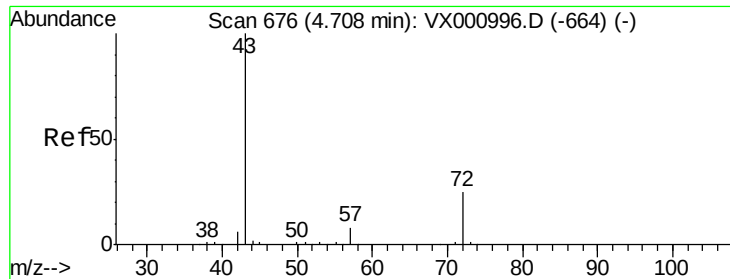


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 251.96 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 437375

Ion Ratio Lower Upper

43 100

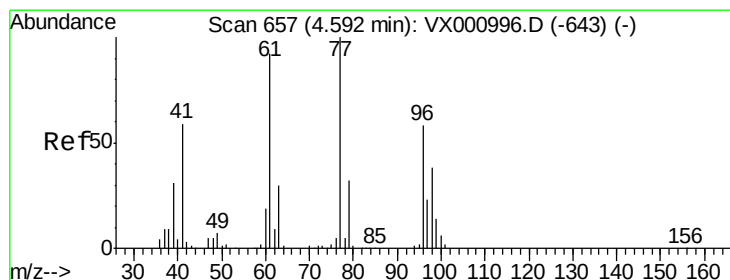
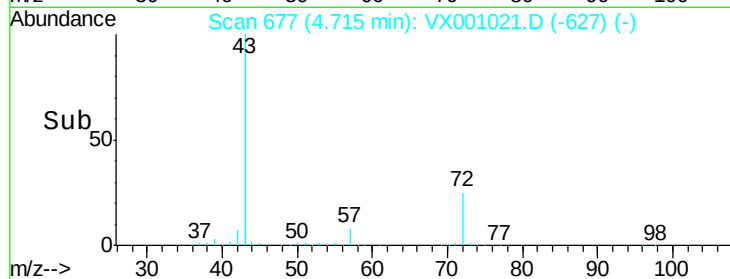
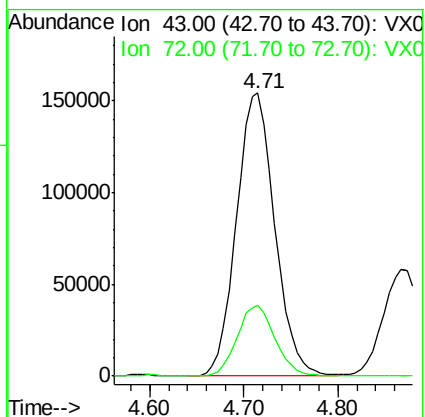
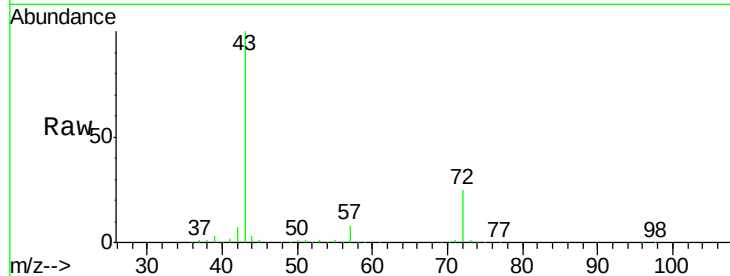
72 24.9 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.45 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001021.D

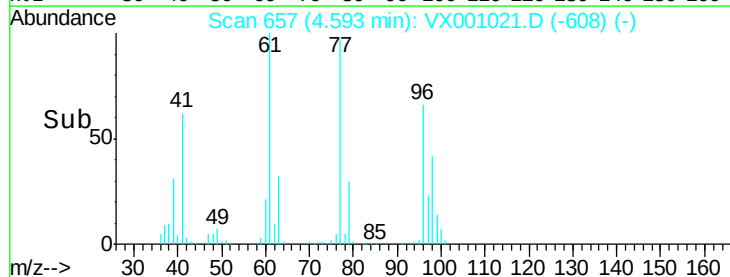
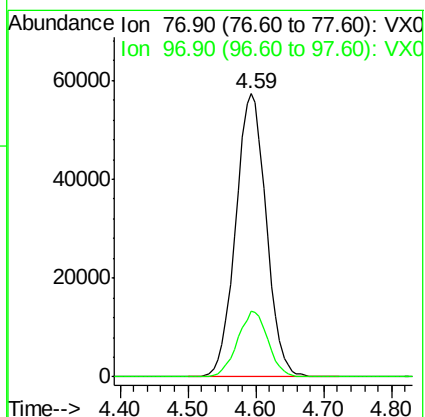
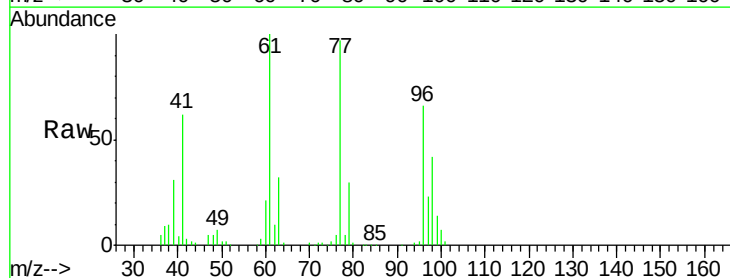
Acq: 20 Apr 2018 20:32

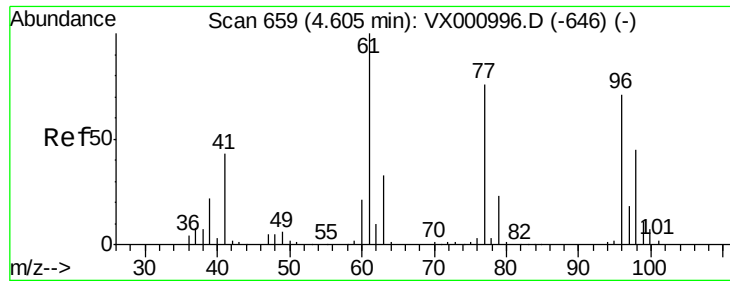
Tgt Ion: 77 Resp: 178227

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 49.46 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

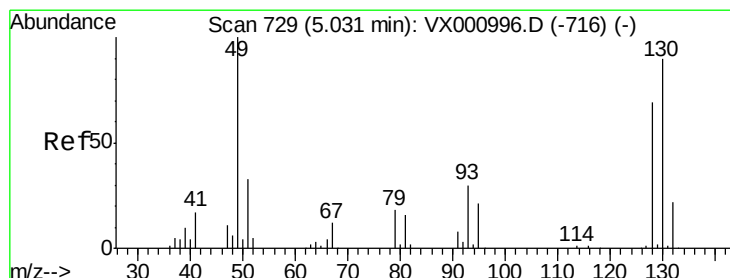
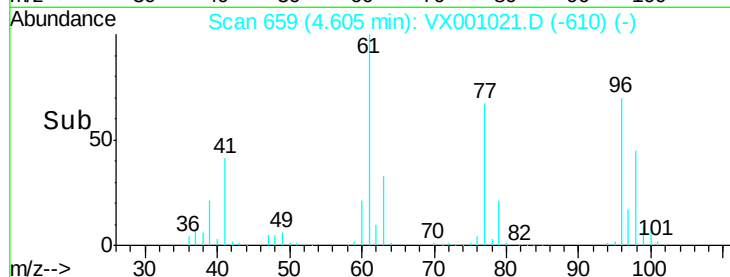
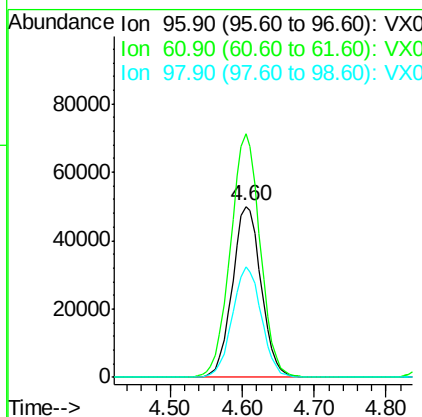
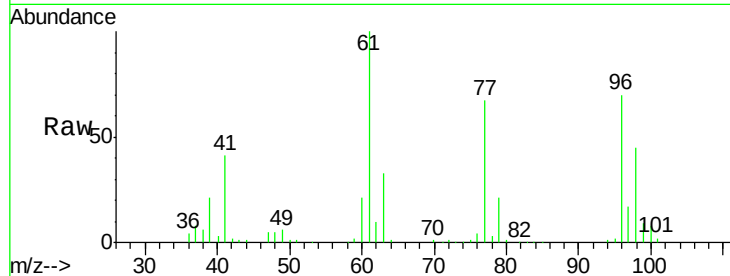
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	139215
Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	297.0
98	64.9	0.0	130.0

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#28

Bromochloromethane

Concen: 50.65 ug/l

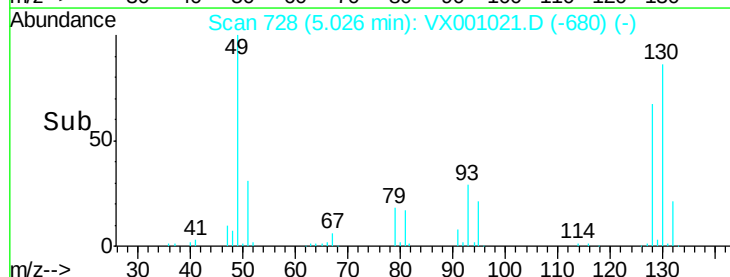
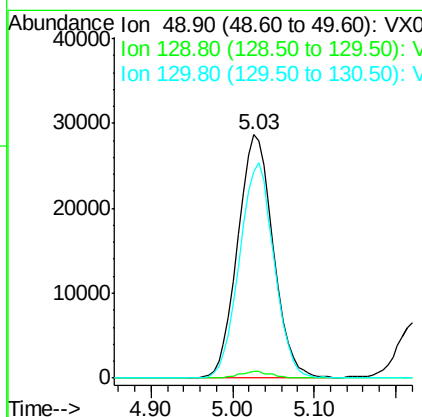
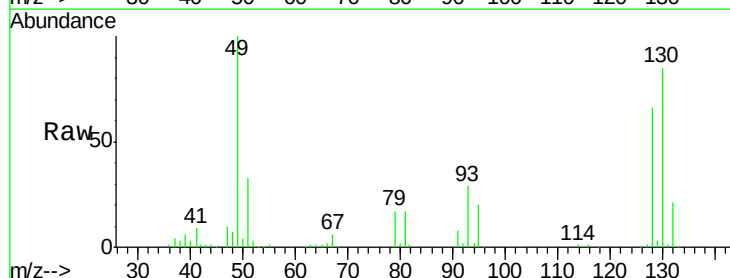
RT: 5.03 min Scan# 728

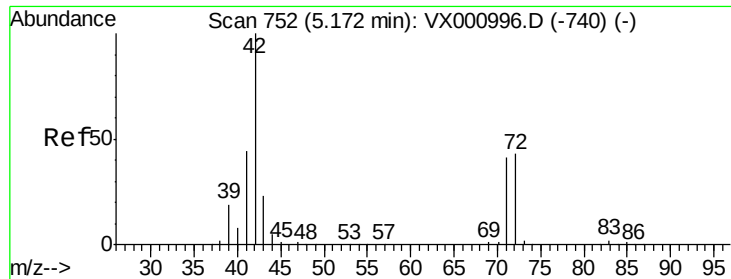
Delta R.T. -0.01 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Tgt Ion:	49	Resp:	86875
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	86.1	70.6	105.8





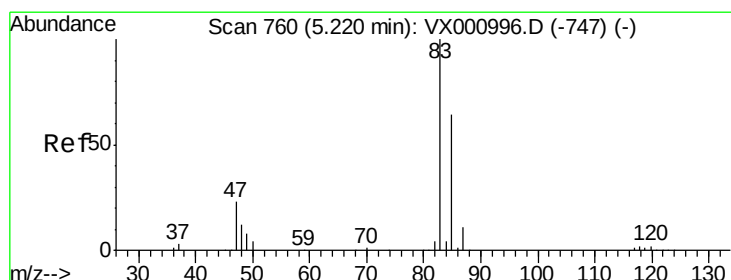
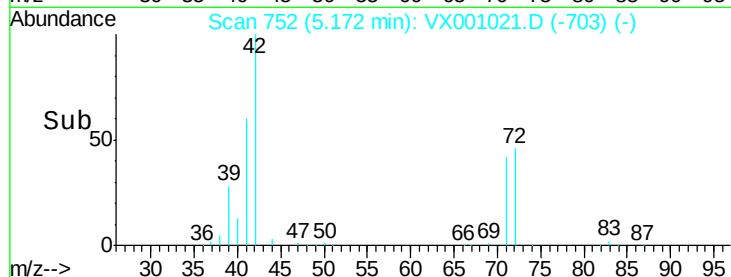
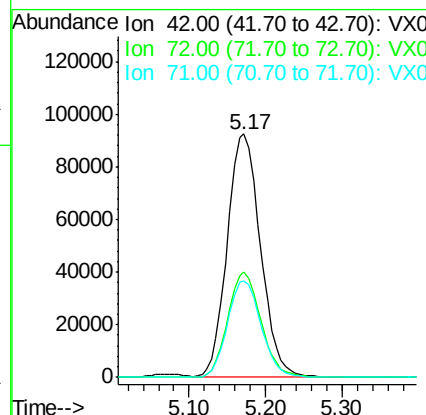
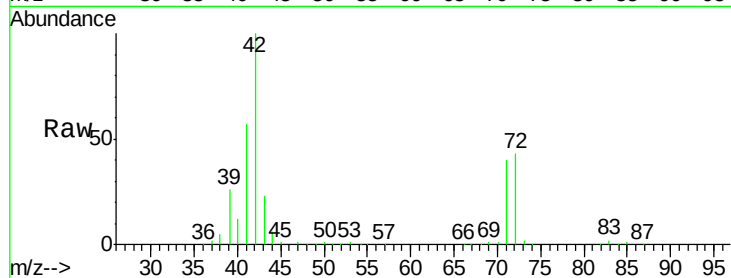
#29
Tetrahydrofuran
Concen: 252.93 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	40.3	32.6	49.0

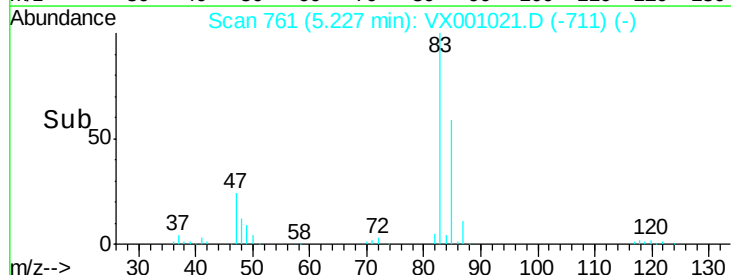
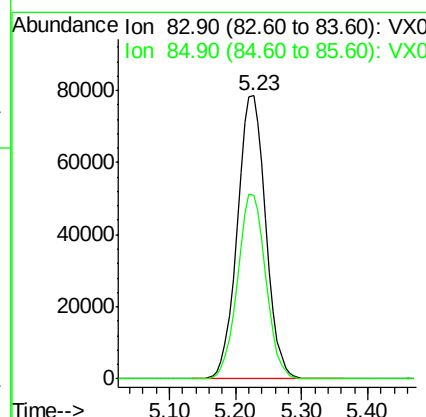
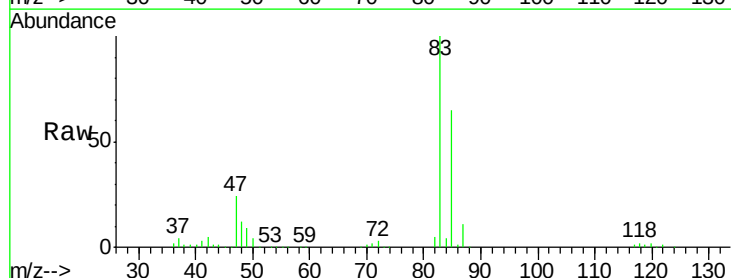
Manual Integrations
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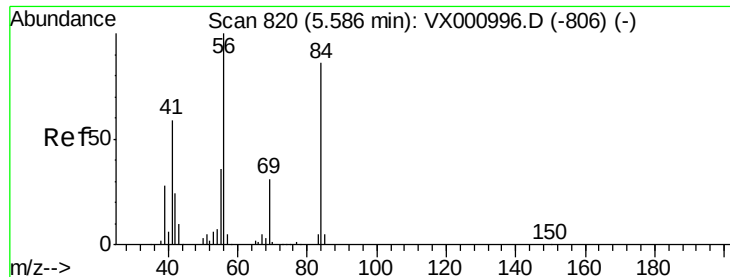
MMDadoda
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#30
Chloroform
Concen: 50.52 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9





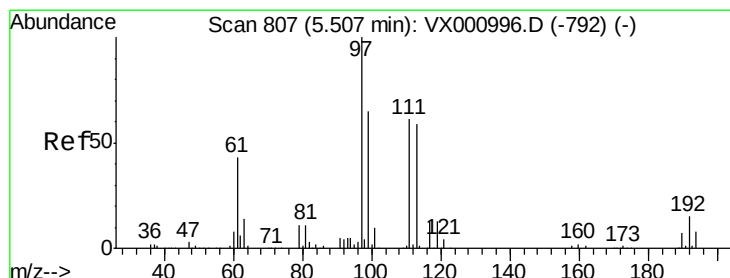
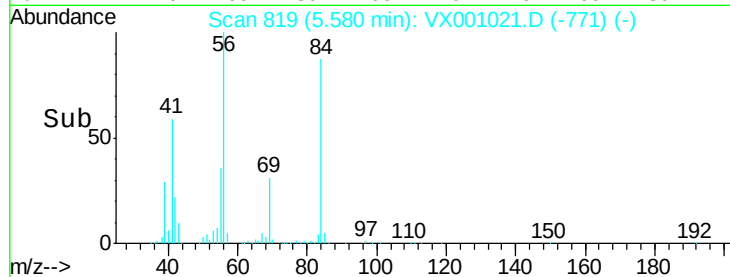
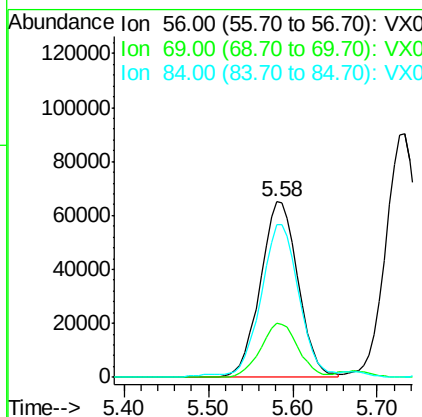
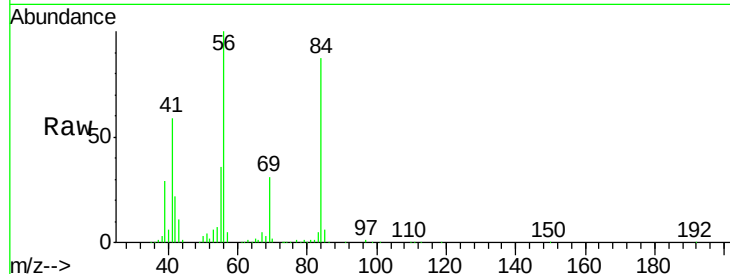
#31
Cyclohexane
Concen: 48.22 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	36.8
84	86.3	69.0	103.6

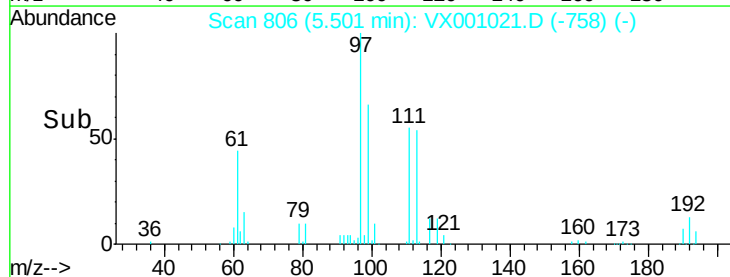
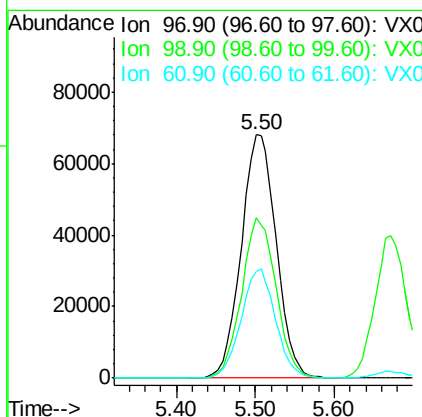
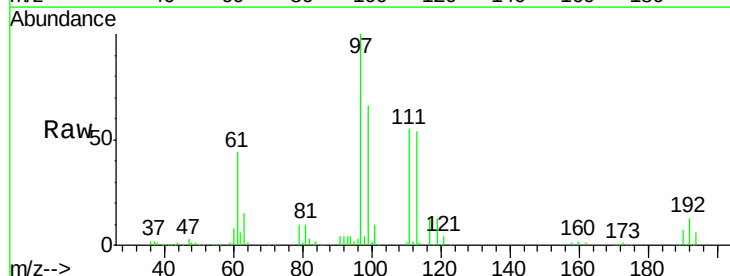
Manual Integrations
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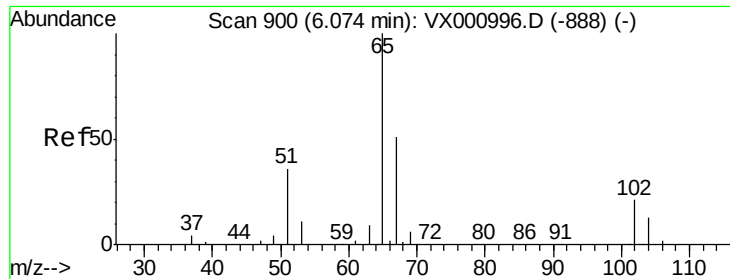
MMDadoda
4/23/2018 1:27:44 PM



#32
1,1,1-Trichloroethane
Concen: 50.64 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	44.2	34.4	51.6





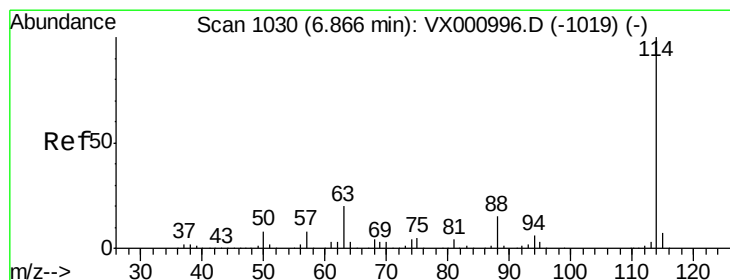
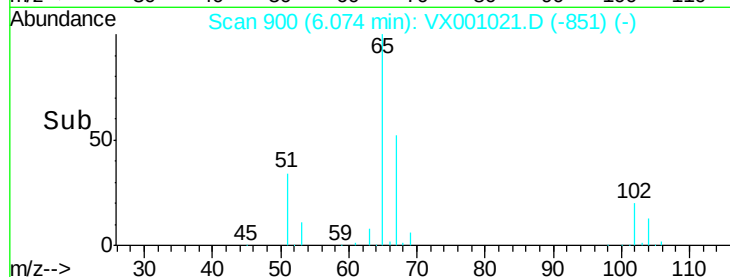
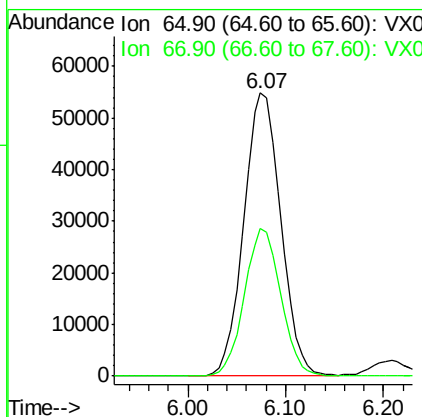
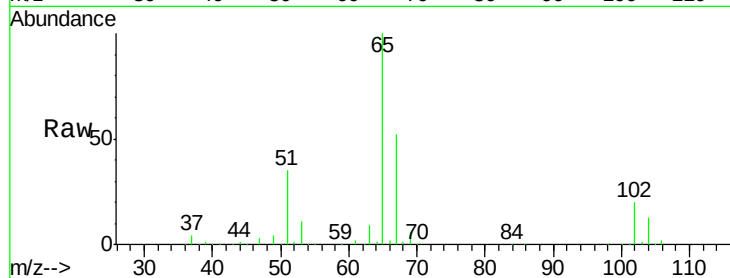
#33
 1,2-Dichloroethane-d4
 Concen: 48.78 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	144056		
67	51.4	0.0	102.6	

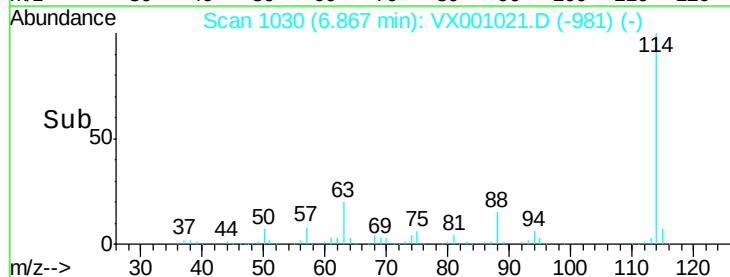
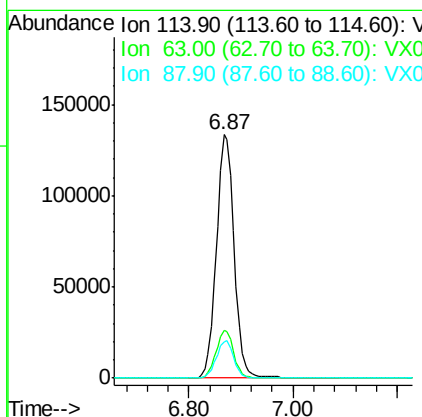
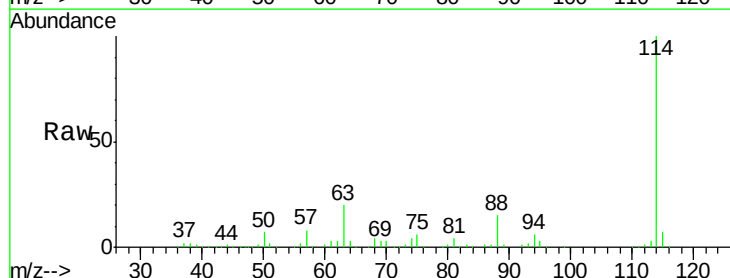
Manual Integrations
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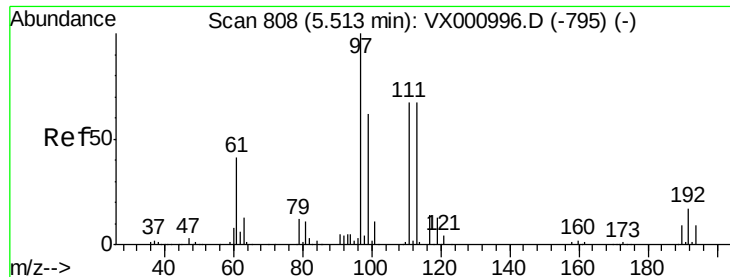
MMDadoda
 4/23/2018 1:27:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	317983		
63	19.6	0.0	39.4	
88	15.0	0.0	29.8	





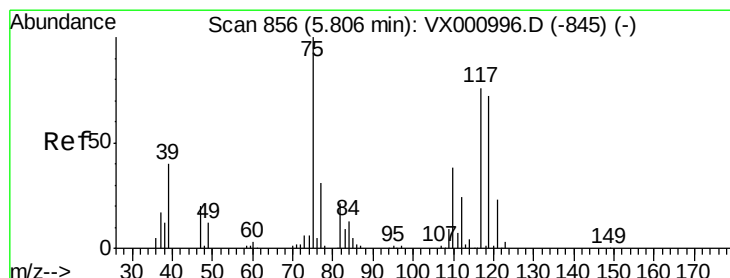
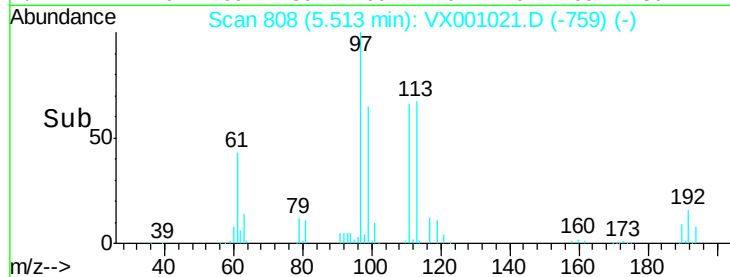
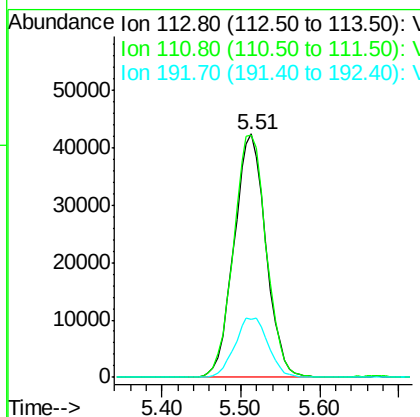
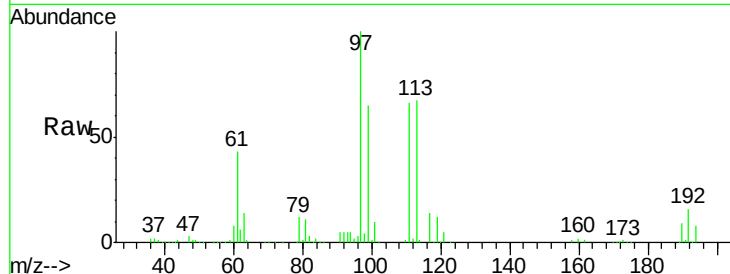
#35
 Dibromofluoromethane
 Concen: 49.10 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	119045		
111	102.5	81.4	122.2	
192	25.7	20.4	30.6	

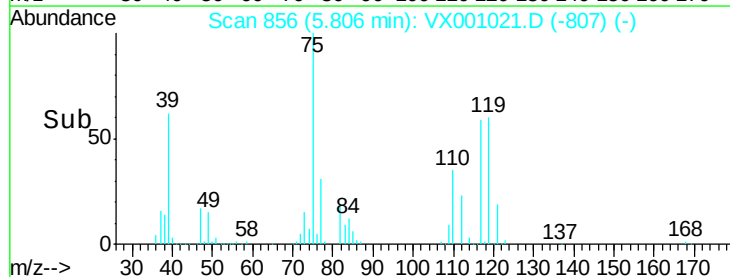
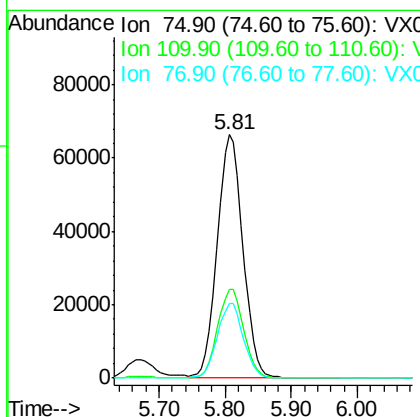
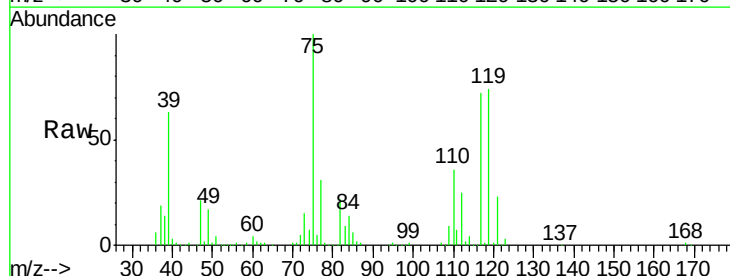
Manual Integrations
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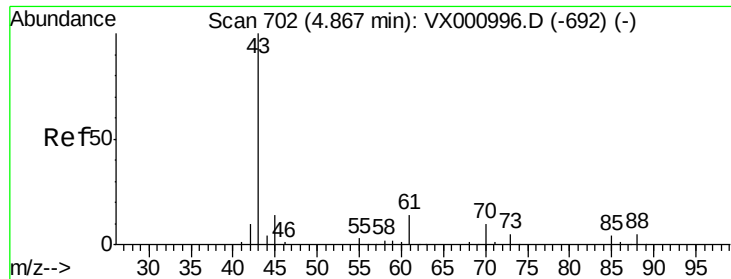
MMDadoda
 4/23/2018 1:27:44 PM



#36
 1,1-Dichloropropene
 Concen: 47.71 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178297		
110	37.3	18.7	56.1	
77	31.0	25.0	37.4	





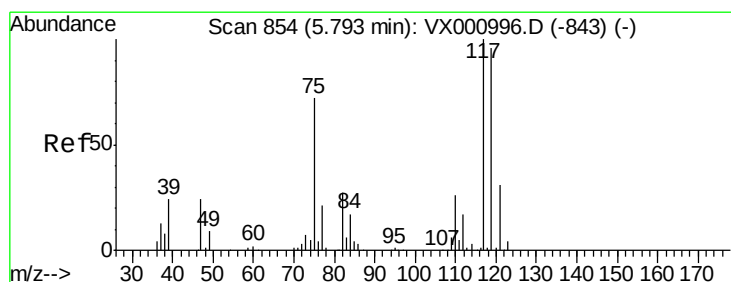
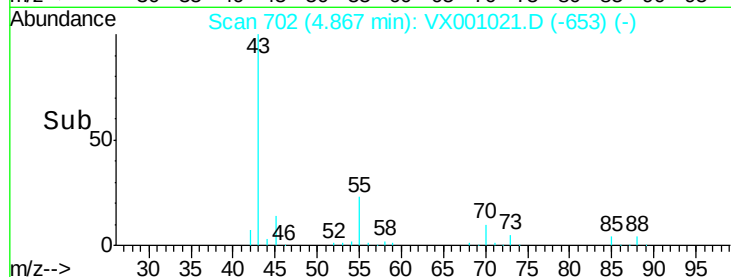
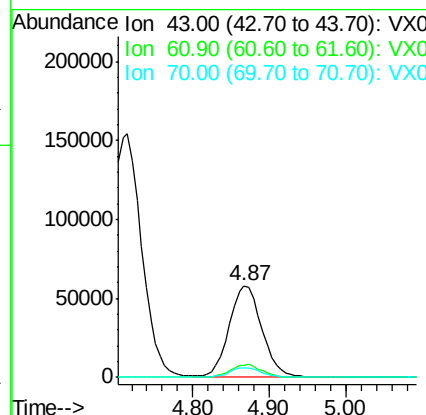
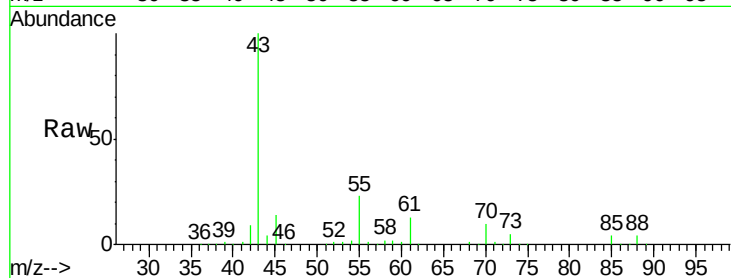
#37
Ethyl Acetate
Concen: 49.81 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.5	8.3	12.5

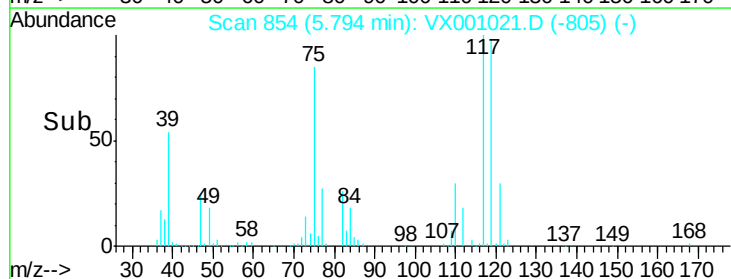
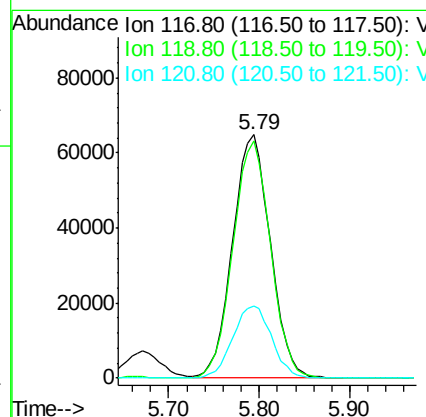
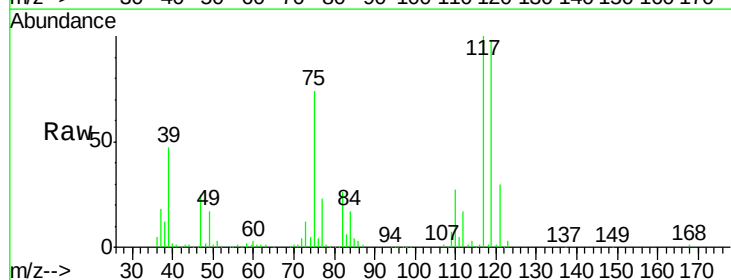
Manual Integrations
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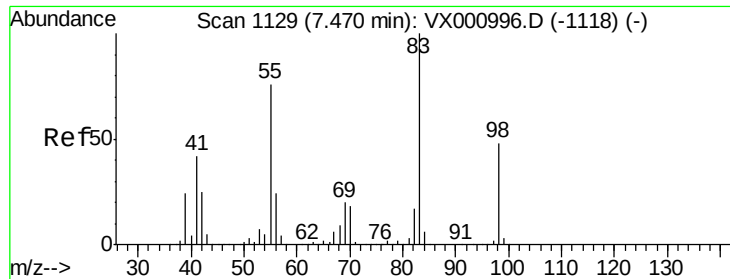
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#38
Carbon Tetrachloride
Concen: 49.48 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.5	114.7
121	29.8	24.5	36.7





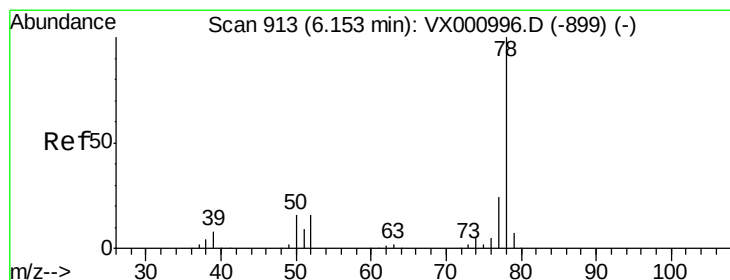
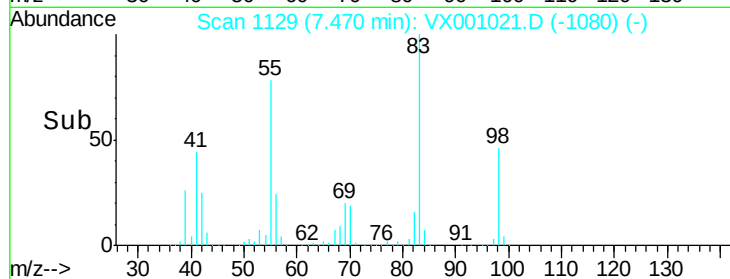
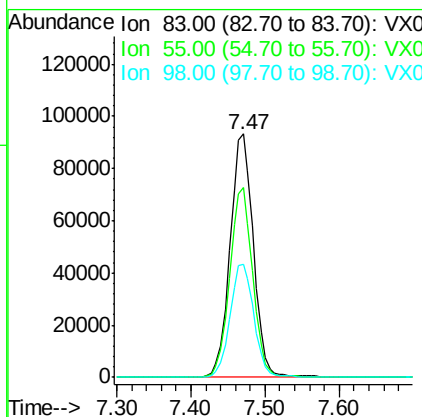
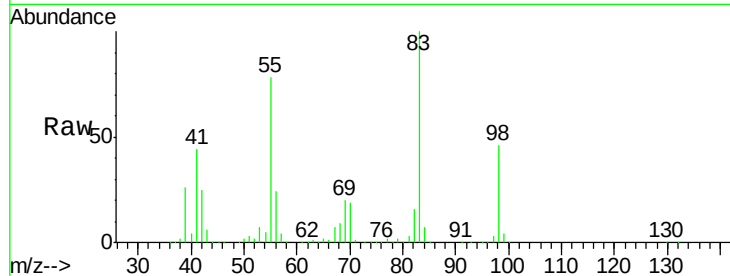
#39
Methylcyclohexane
Concen: 47.04 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	204612		
55	77.8	60.6	91.0	
98	46.4	38.2	57.4	

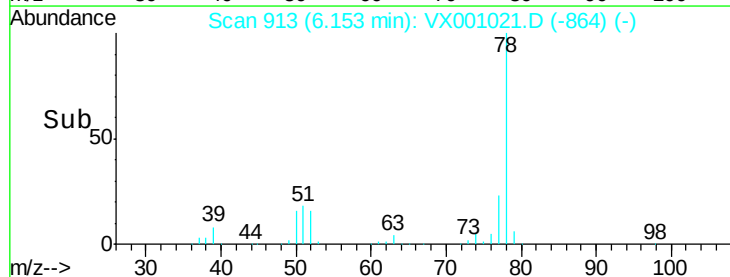
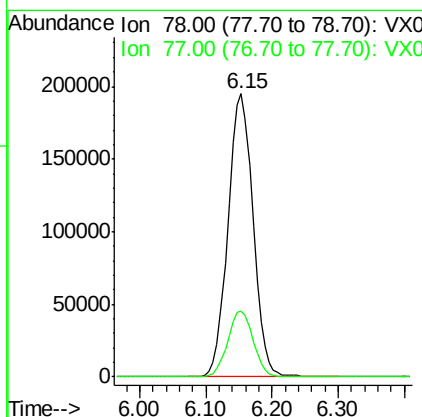
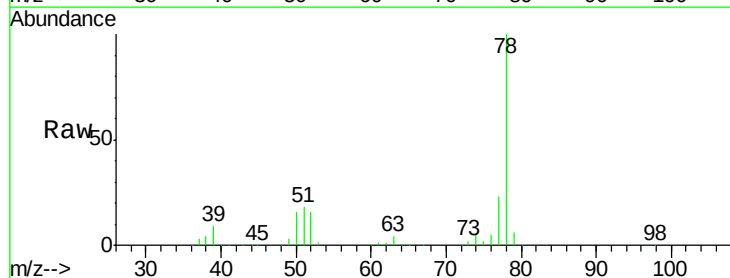
Manual Integrations
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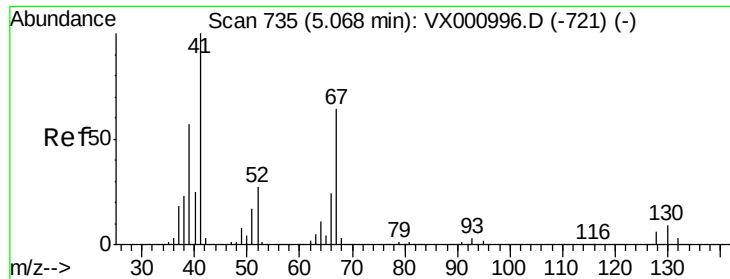
MMDadoda
4/23/2018 1:27:44 PM



#40
Benzene
Concen: 49.45 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	513672		
77	23.3	18.9	28.3	





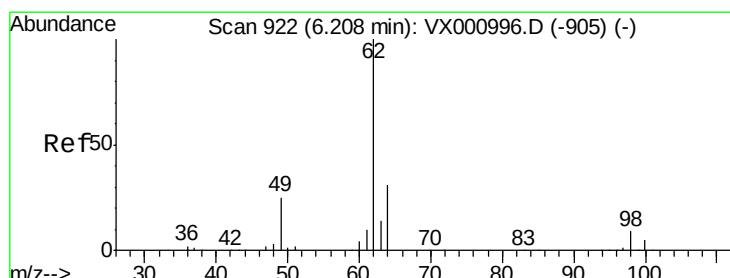
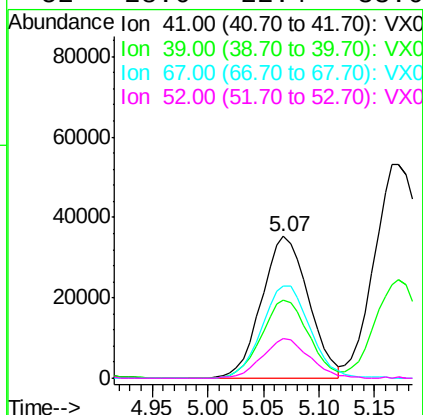
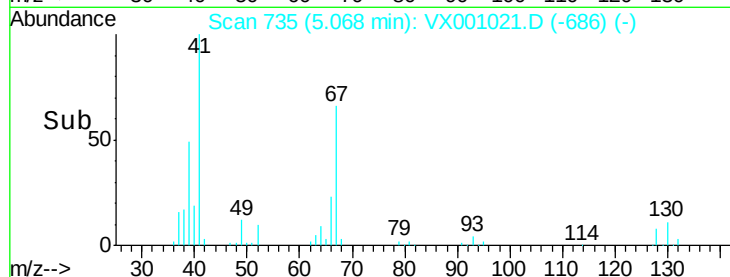
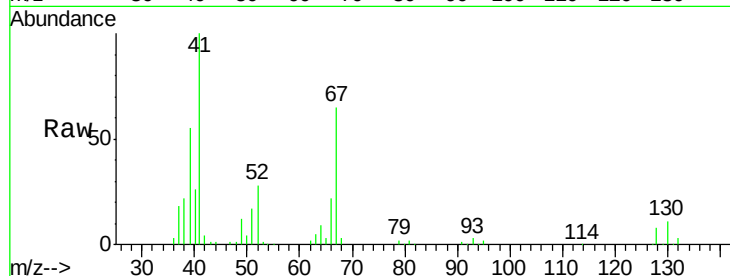
#41
Methacrylonitrile
Concen: 48.01 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.2	67.8
67	67.4	53.8	80.8
52	28.6	22.4	33.6

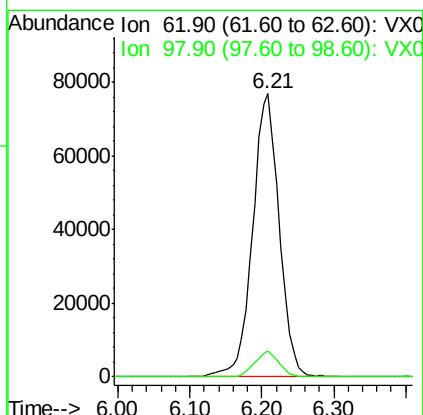
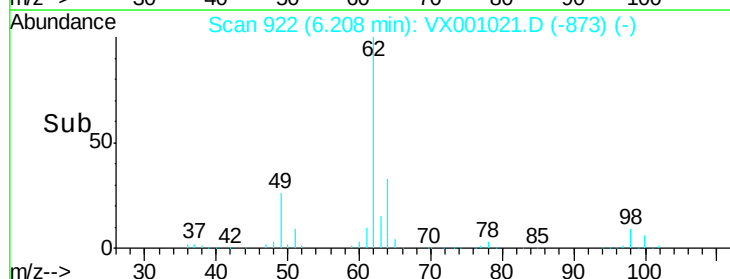
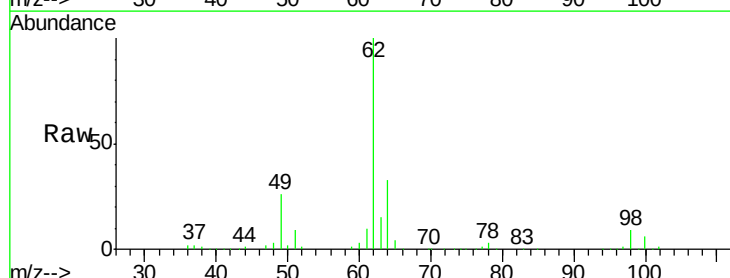
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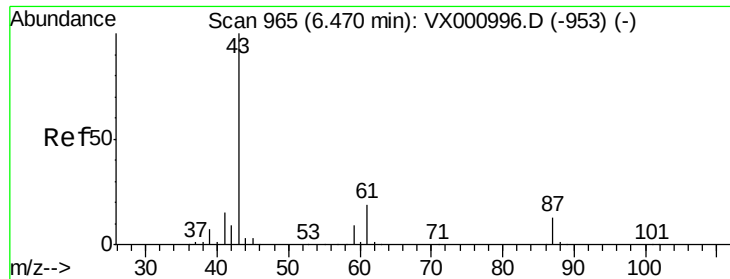
MMDadoda
4/23/2018 1:27:44 PM



#42
1,2-Dichloroethane
Concen: 49.45 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.6





#43

Isopropyl Acetate

Concen: 50.02 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

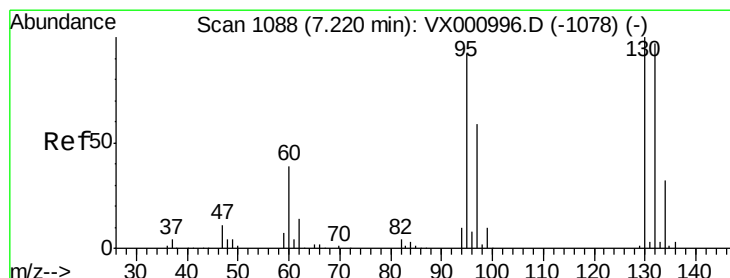
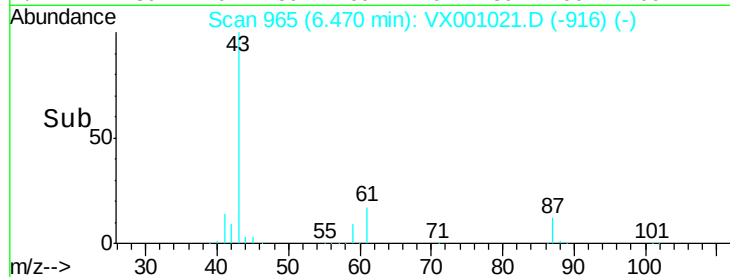
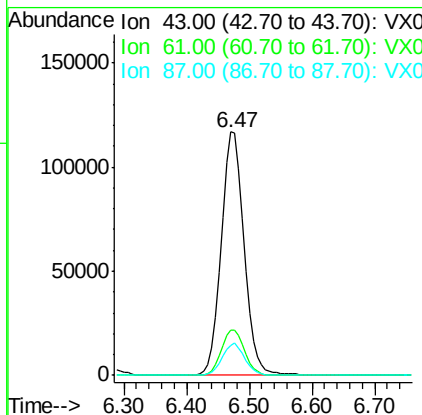
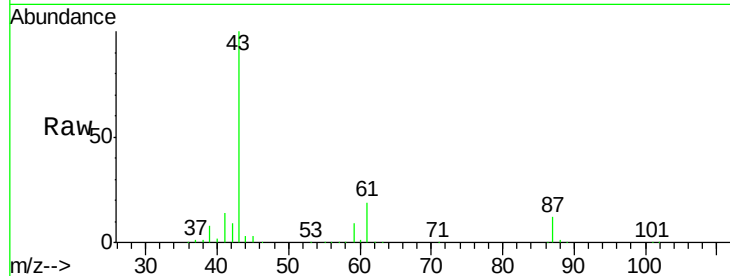
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	294173
Ion Ratio		Lower	Upper
43	100		
61	19.0	15.4	23.2
87	13.0	10.6	15.8

Manual Integrations
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4/23/2018 1:27:44 PM



#44

Trichloroethene

Concen: 48.11 ug/l

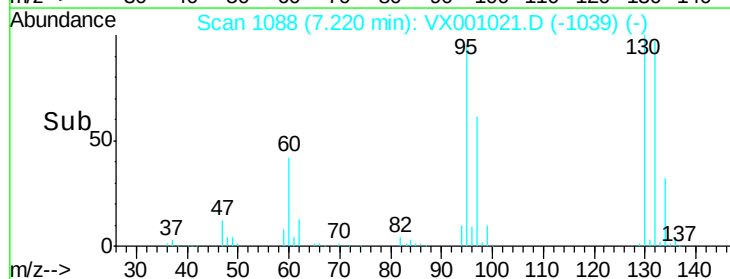
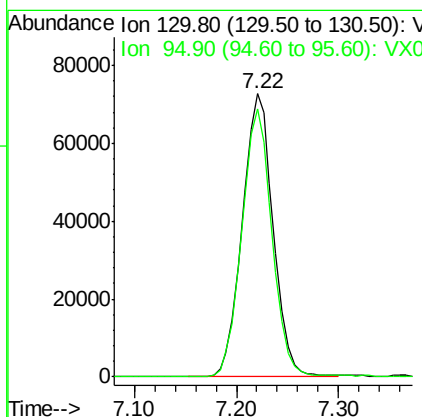
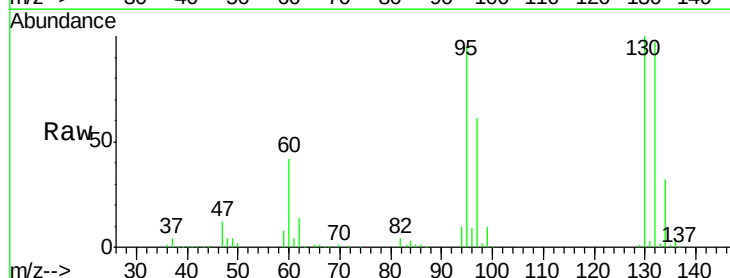
RT: 7.22 min Scan# 1088

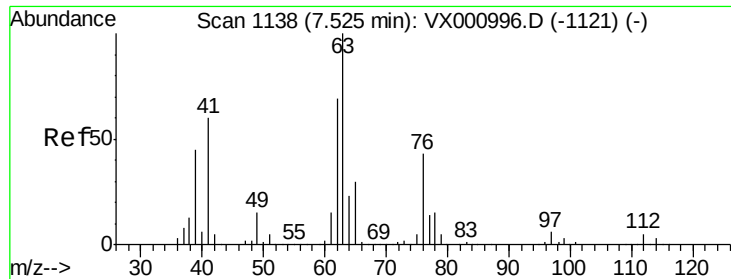
Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Tgt Ion:	130	Resp:	152711
Ion Ratio		Lower	Upper
130	100		
95	94.7	0.0	184.2





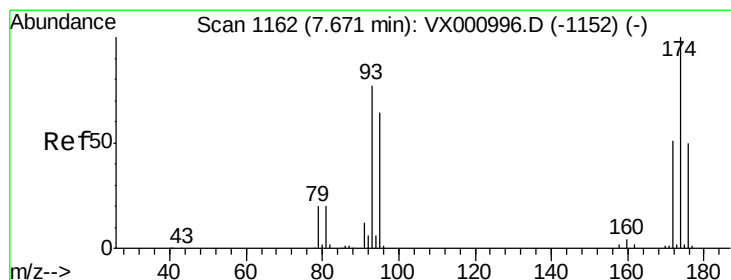
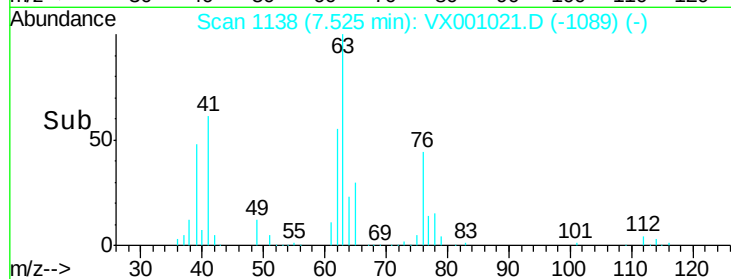
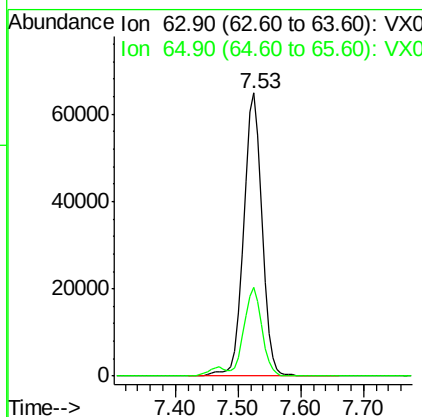
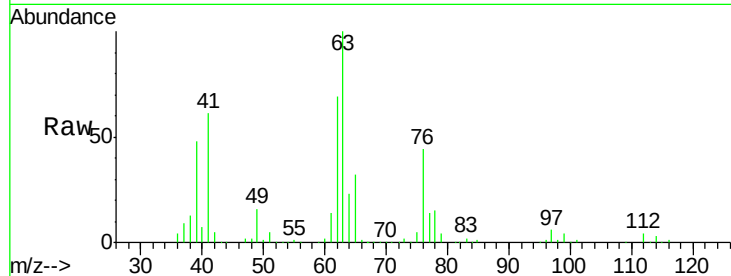
#45
 1,2-Dichloropropane
 Concen: 50.39 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 131640
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6

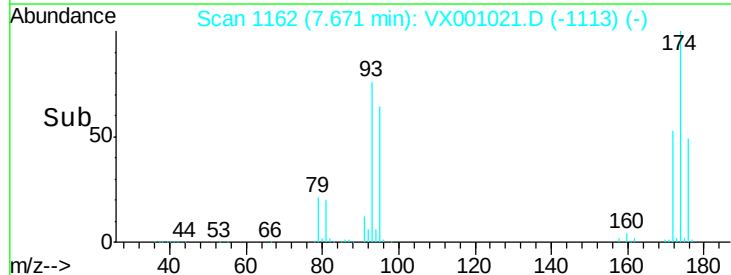
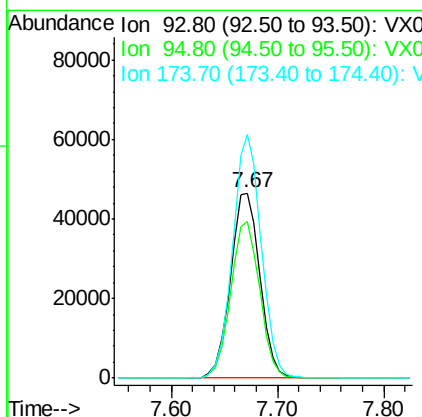
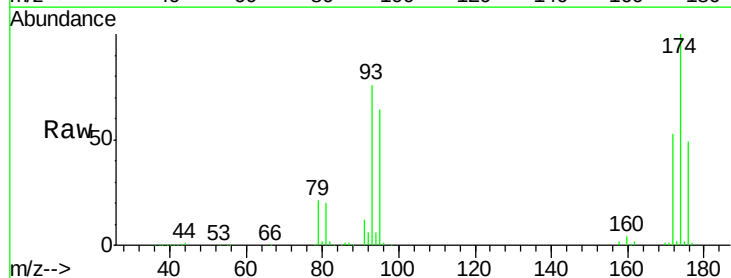
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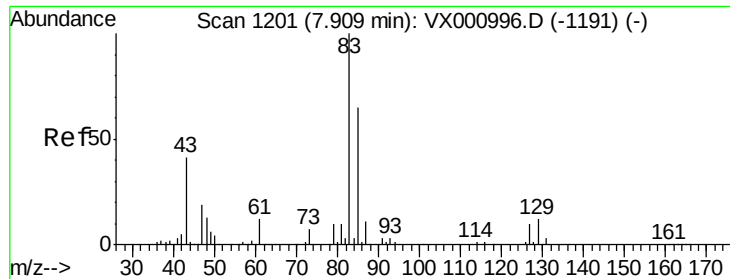
MMDadoda
 4/23/2018 1:27:44 PM



#46
 Dibromomethane
 Concen: 49.62 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Tgt Ion: 93 Resp: 90573
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 127.2 101.8 152.6





#47

Bromodichloromethane

Concen: 51.28 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 173393

Ion Ratio Lower Upper

83 100

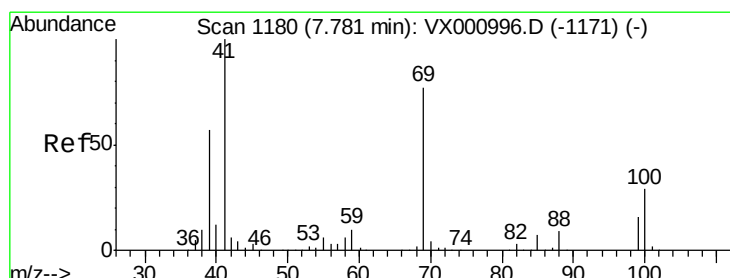
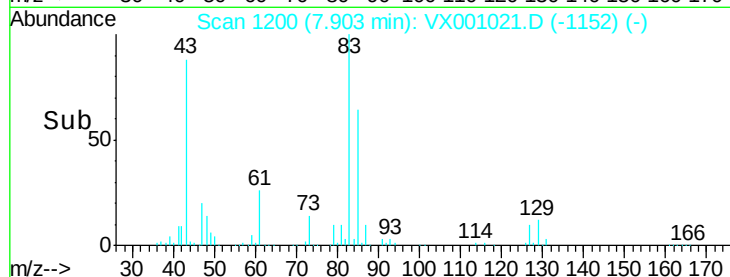
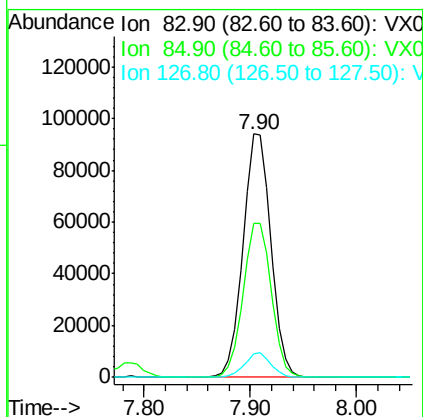
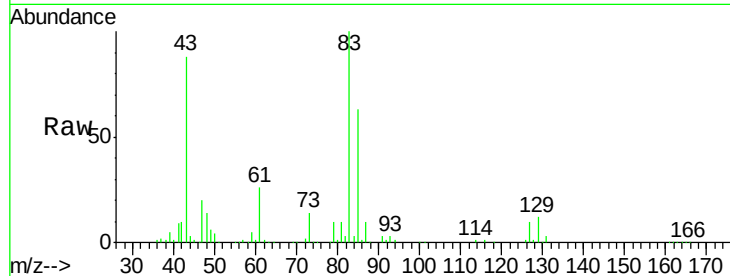
85 63.4 52.3 78.5

127 9.6 7.8 11.6

Manual Integrations
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MMDadoda

4/23/2018 1:27:44 PM



#48

Methyl methacrylate

Concen: 50.33 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

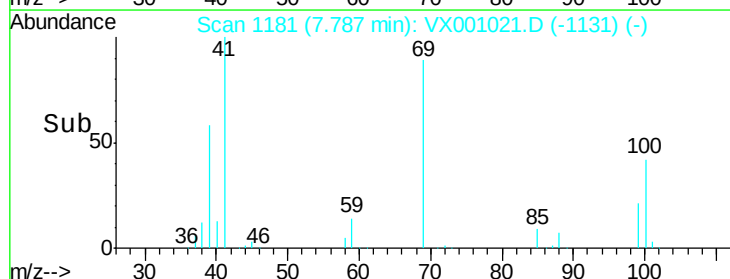
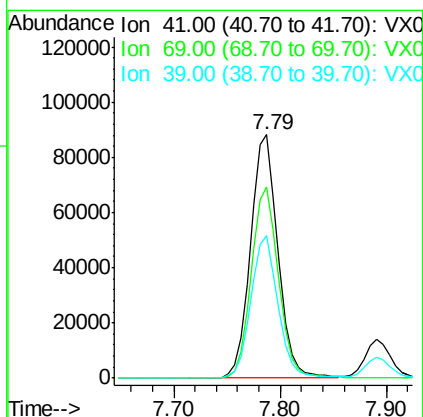
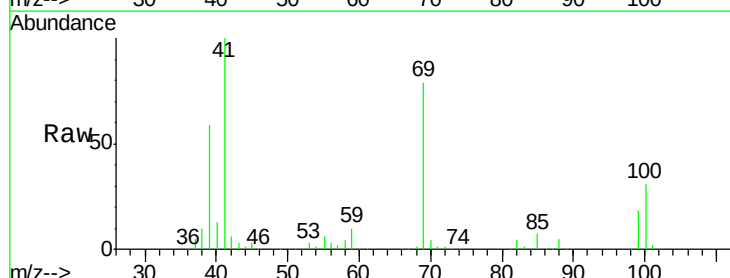
Tgt Ion: 41 Resp: 159359

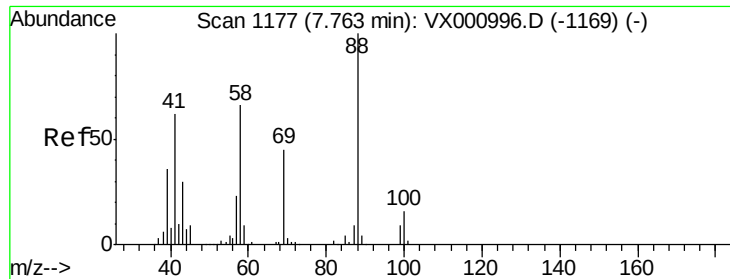
Ion Ratio Lower Upper

41 100

69 78.2 62.6 94.0

39 57.7 45.3 67.9





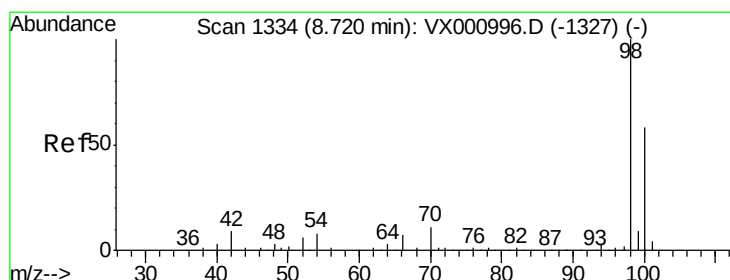
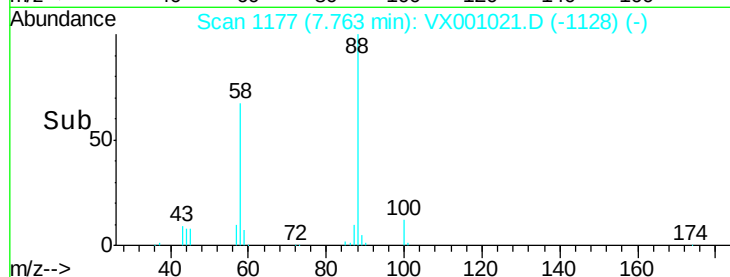
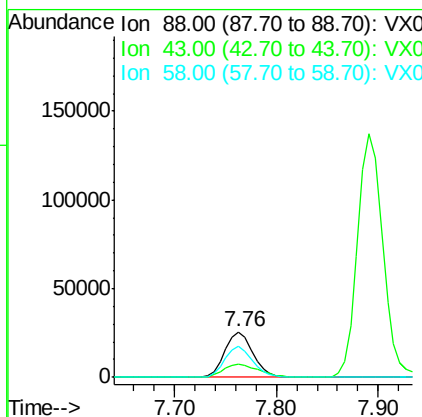
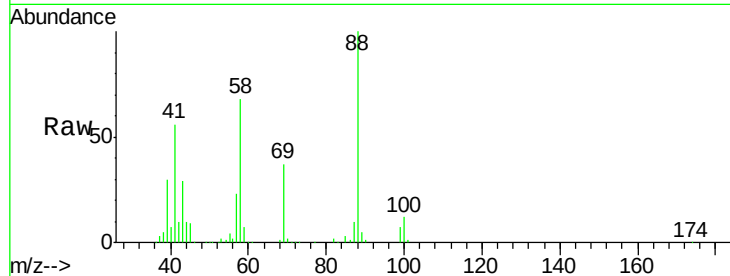
#49
1,4-Dioxane
Concen: 1050.24 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.2	43.8
58	68.7	55.0	82.6

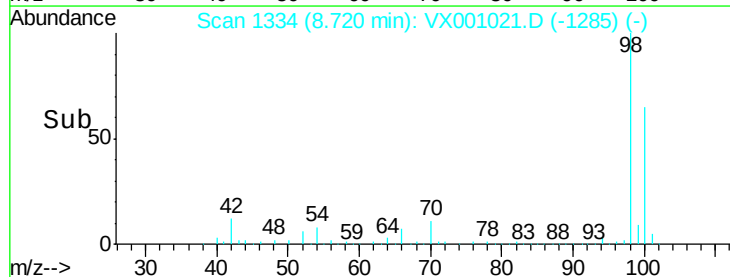
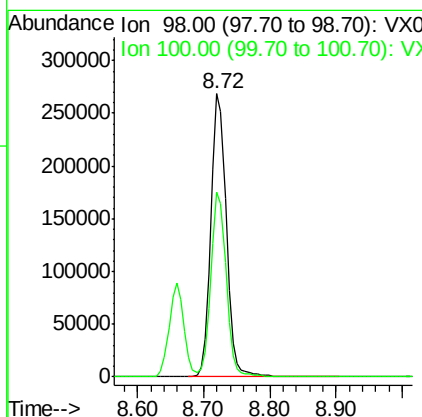
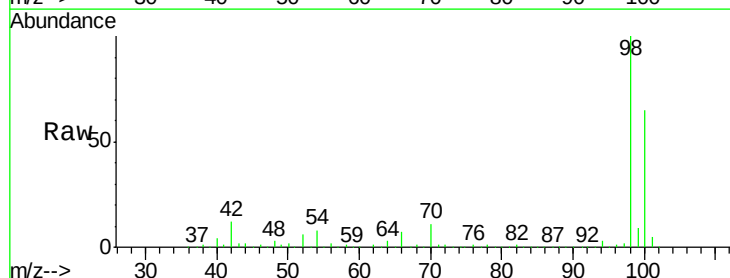
Manual Integrations
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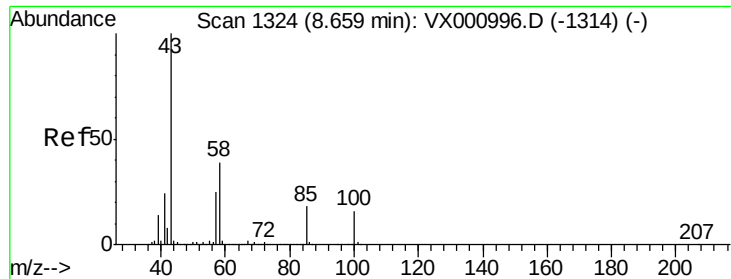
MMDadoda
4/23/2018 1:27:44 PM



#50
Toluene-d8
Concen: 48.42 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





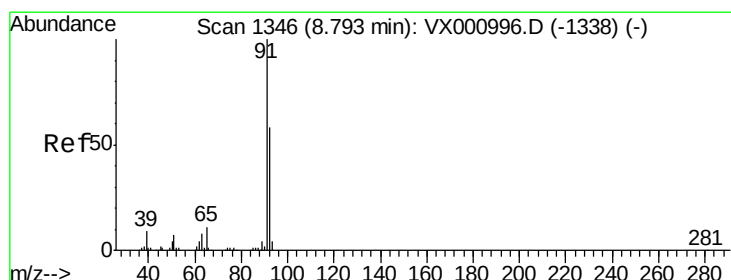
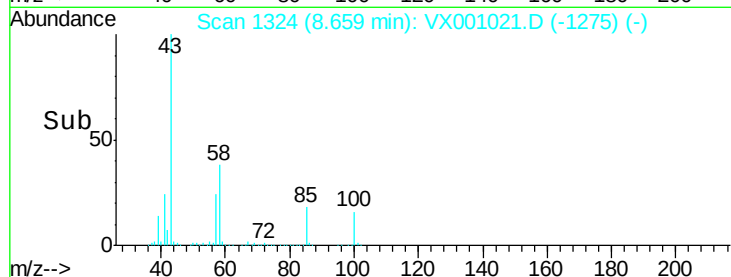
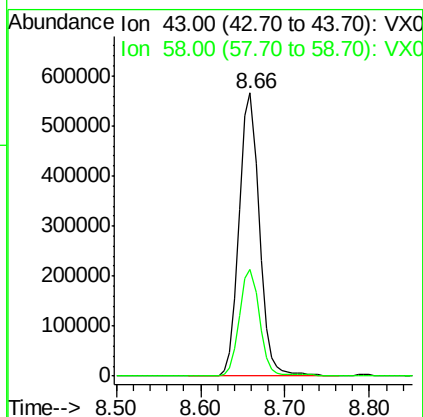
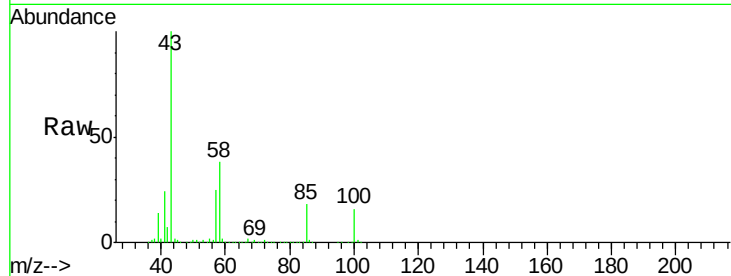
#51
4-Methyl-2-Pentanone
Concen: 256.14 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 914565
Ion Ratio Lower Upper
43 100
58 38.1 30.2 45.4

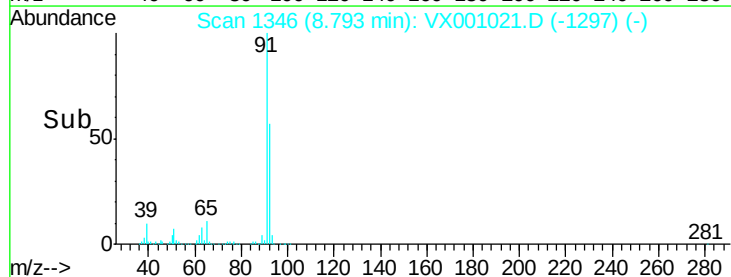
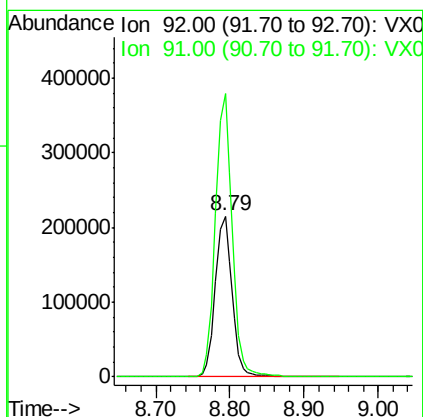
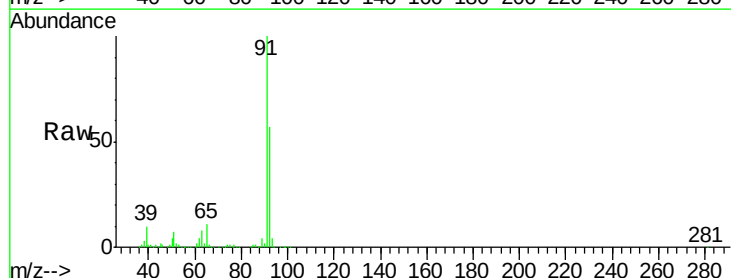
Manual Integrations
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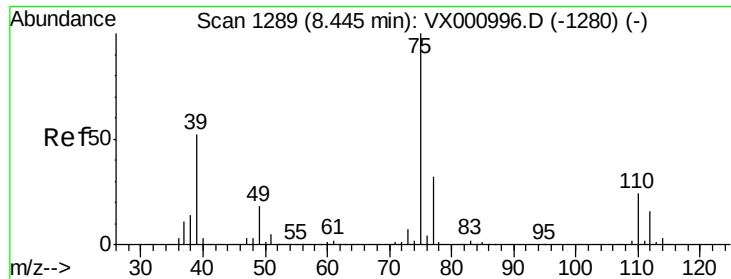
MMDadoda
4/23/2018 1:27:44 PM



#52
Toluene
Concen: 49.43 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion: 92 Resp: 335161
Ion Ratio Lower Upper
92 100
91 175.1 138.2 207.4





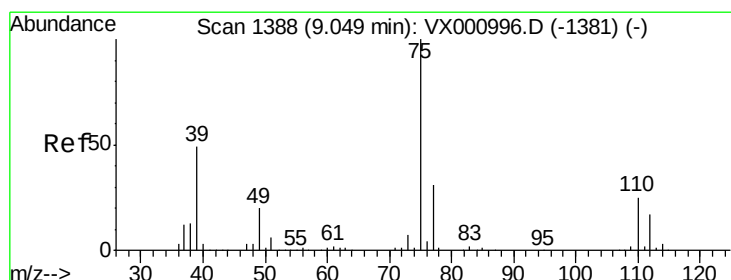
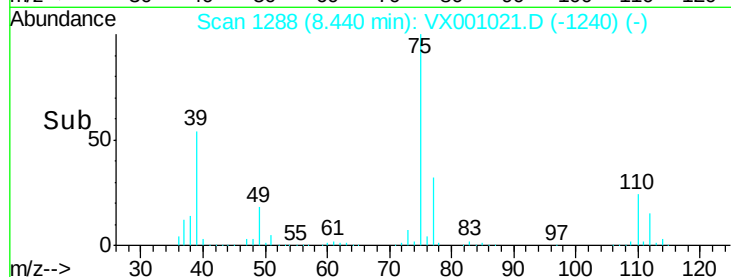
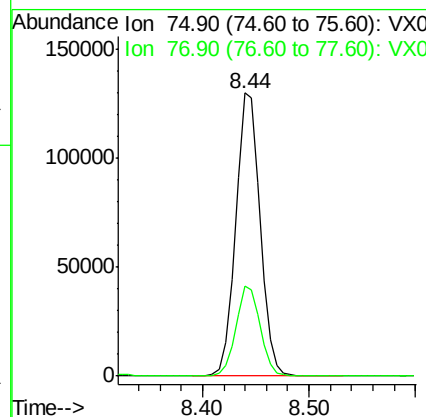
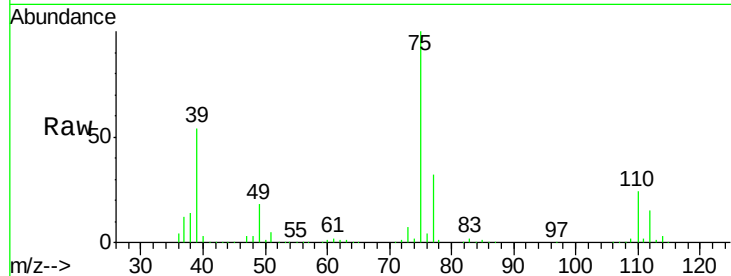
#53
t-1,3-Dichloropropene
Concen: 51.67 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 208958
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6

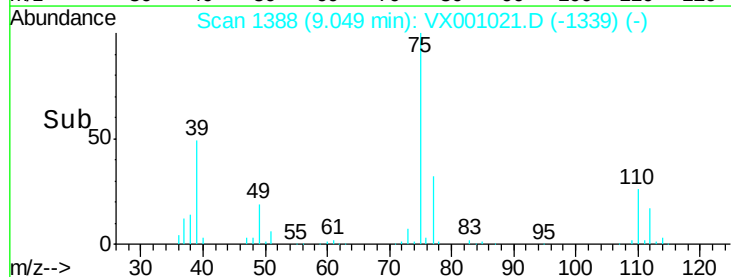
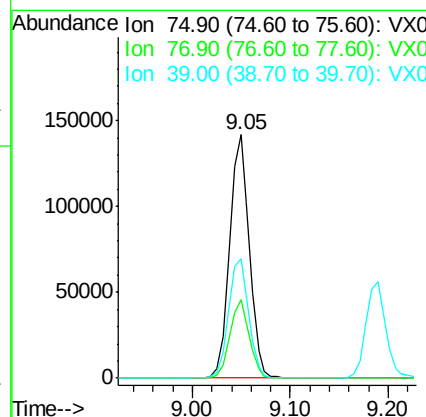
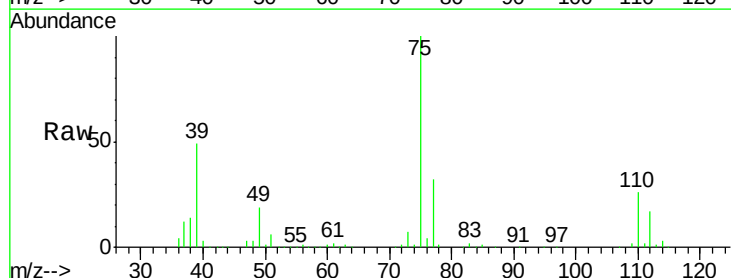
Manual Integrations
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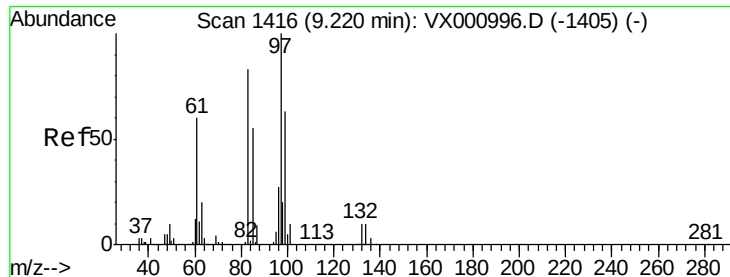
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.63 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion: 75 Resp: 196866
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.6
39 49.0 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 50.24 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

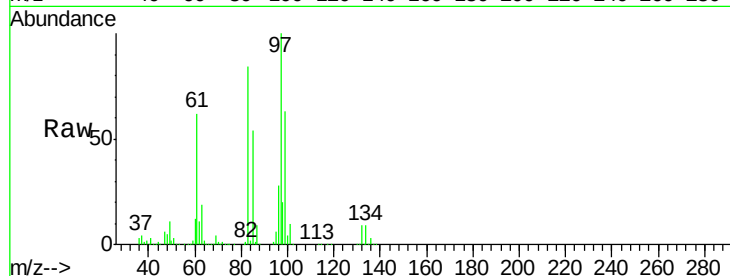
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	97	Resp:	135390
Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.2	99.4
85	54.3	44.2	66.4
99	63.2	50.2	75.4

Manual Integrations
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MMDadoda
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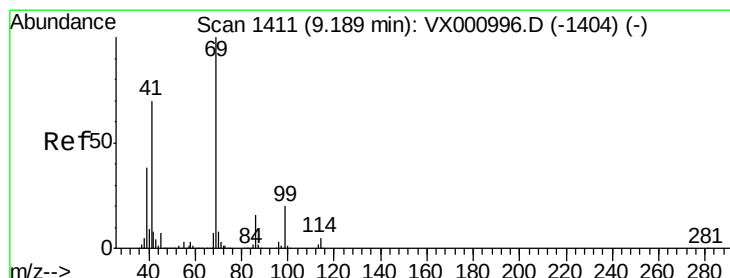
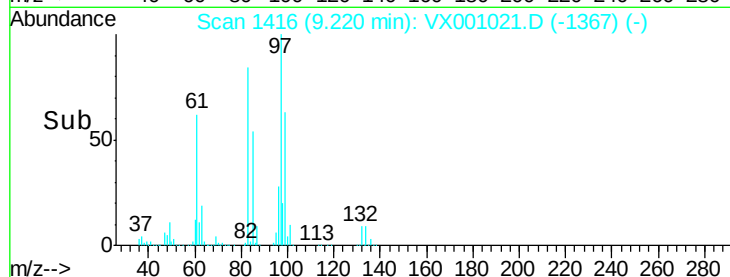
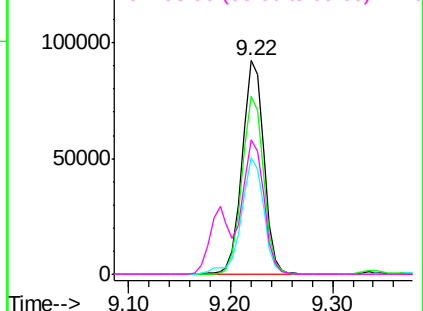


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.10 ug/l

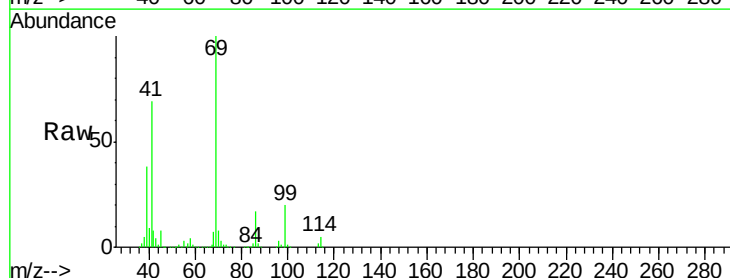
RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

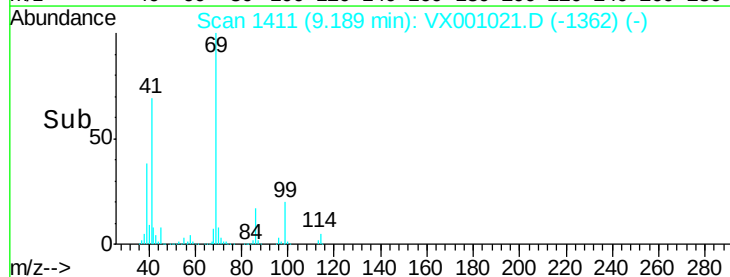
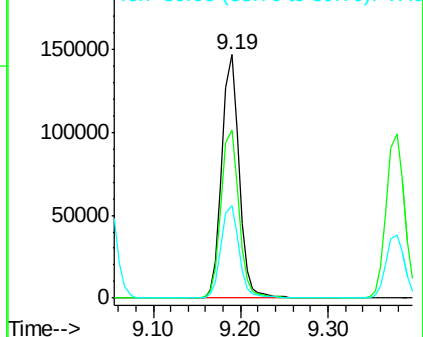
Tgt Ion:	69	Resp:	202260
Ion	Ratio	Lower	Upper
69	100		
41	71.0	56.3	84.5
39	39.0	30.4	45.6

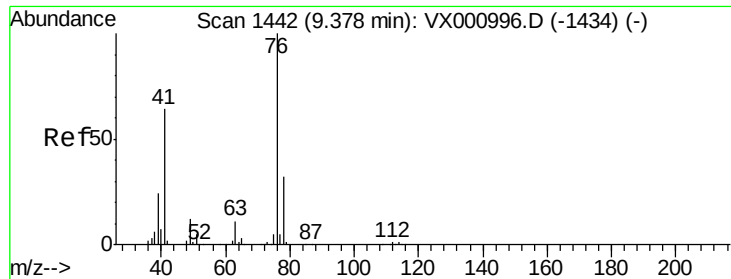


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





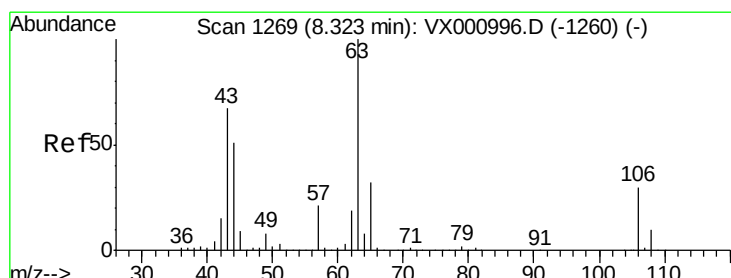
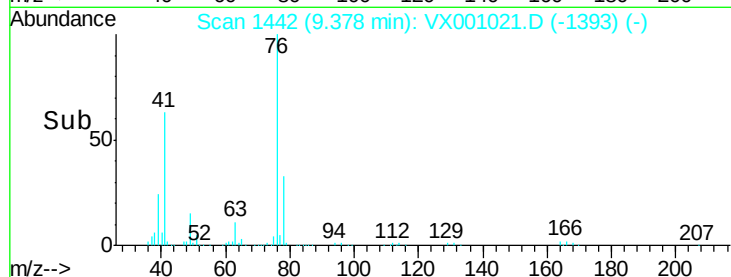
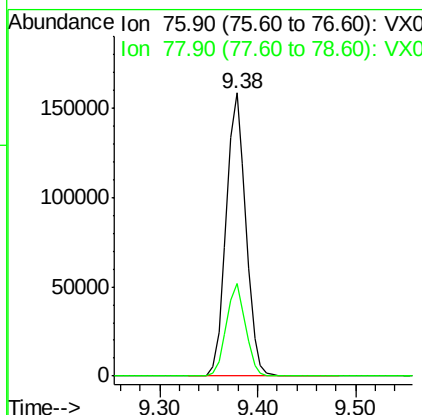
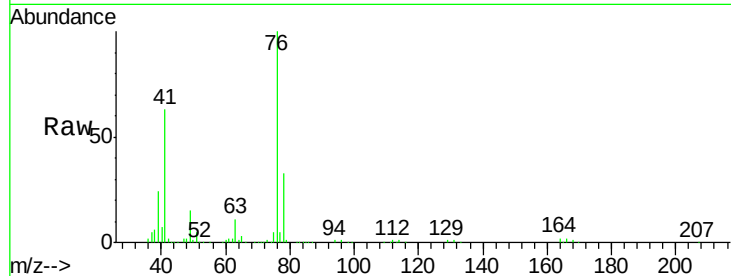
#57
 1,3-Dichloropropane
 Concen: 49.61 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 221494
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

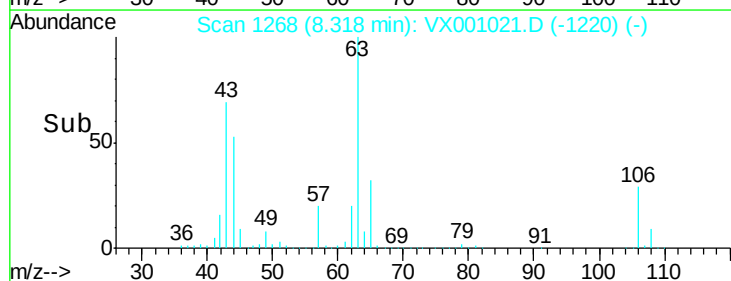
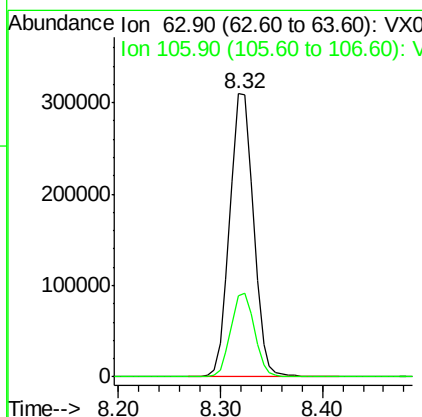
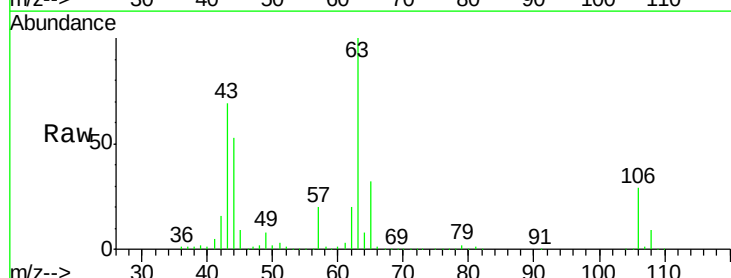
Manual Integrations
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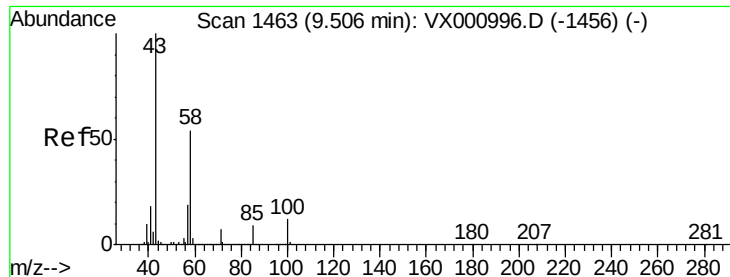
MMDadoda
 4/23/2018 1:27:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.75 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Tgt Ion: 63 Resp: 497939
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.8 35.6





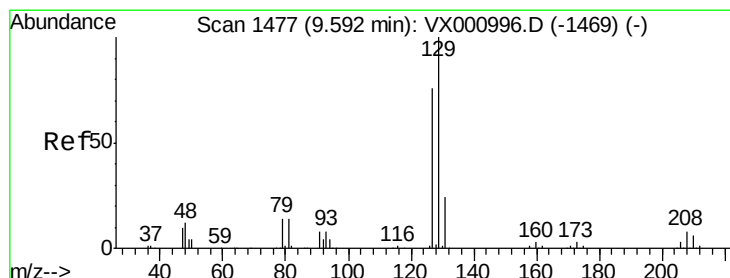
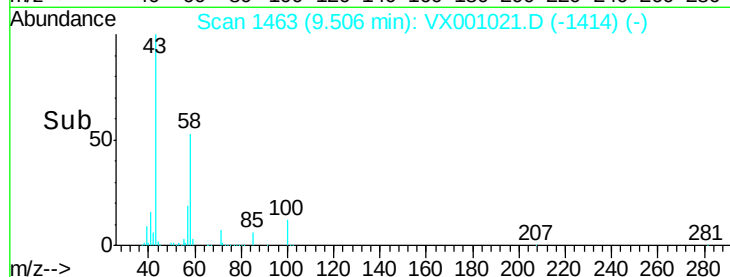
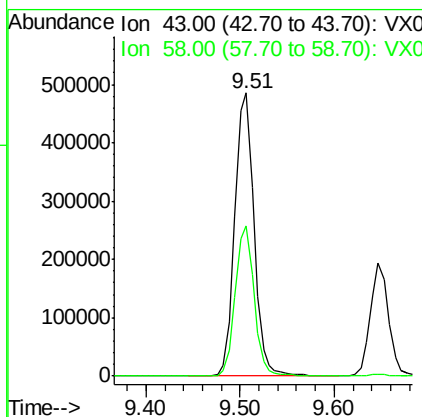
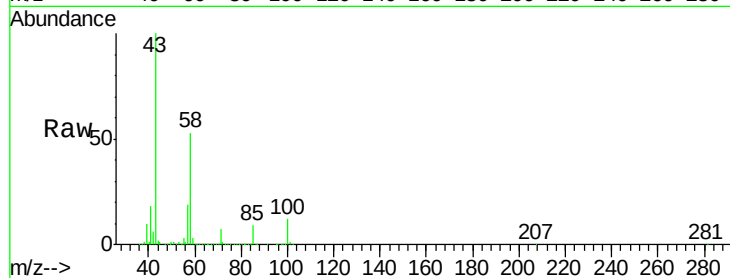
#59
2-Hexanone
Concen: 252.76 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 690783
Ion Ratio Lower Upper
43 100
58 52.3 26.3 78.9

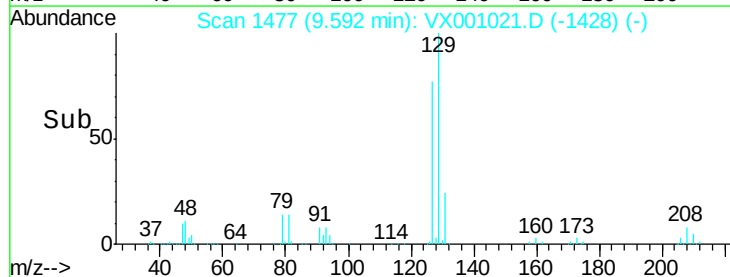
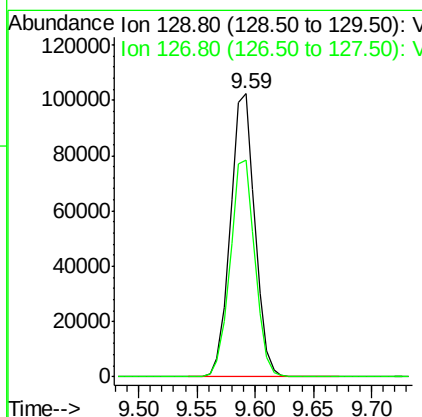
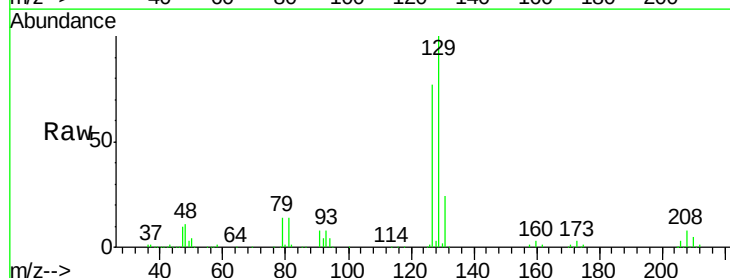
Manual Integrations
APPROVED

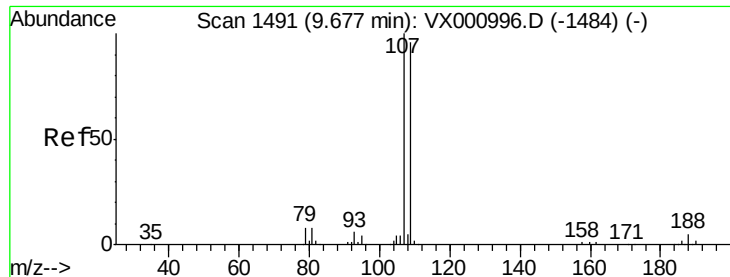
MMDadoda
4/23/2018 1:27:44 PM



#60
Dibromochloromethane
Concen: 52.98 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion: 129 Resp: 149973
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





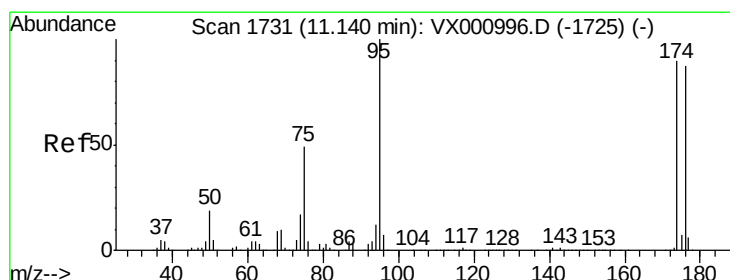
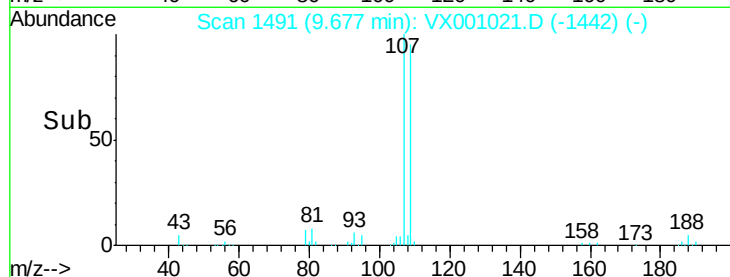
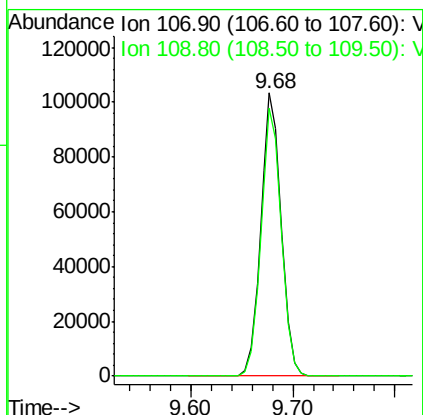
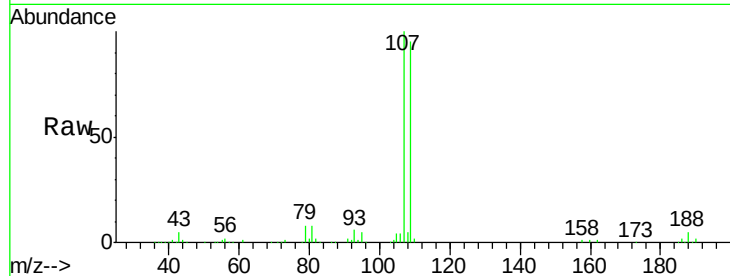
#61
 1,2-Dibromoethane
 Concen: 50.75 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	144348		
109	94.8	76.0	114.0	

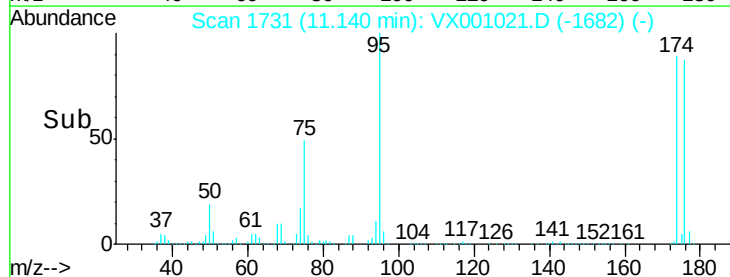
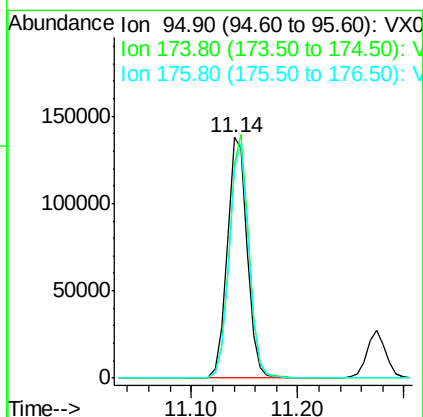
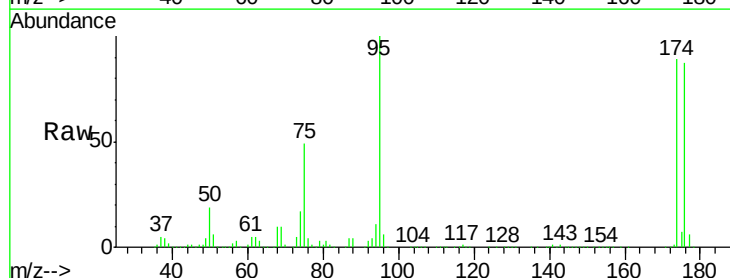
Manual Integrations
 APPROVED

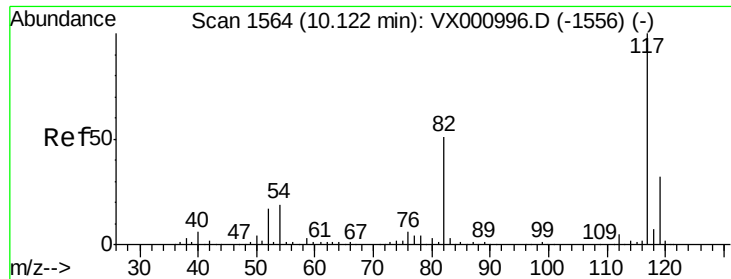
MMDadoda
 4/23/2018 1:27:44 PM



#62
 4-Bromofluorobenzene
 Concen: 48.23 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	181490		
174	98.3	0.0	198.4	
176	95.2	0.0	192.0	





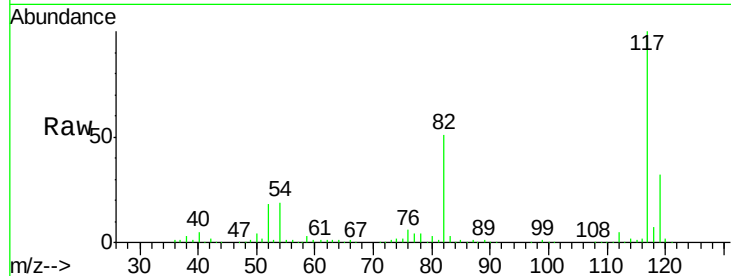
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	307962		
82	50.8	40.6	60.8	
119	32.0	26.0	39.0	

Manual Integrations
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MMDadoda
4/23/2018 1:27:44 PM

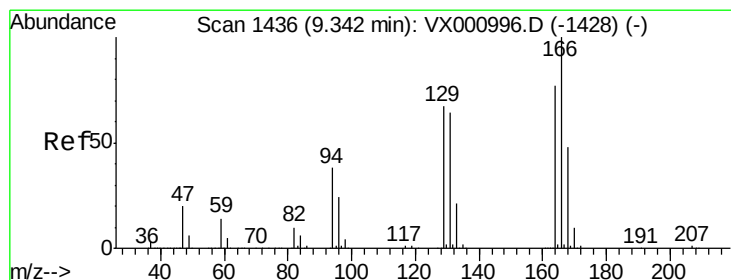
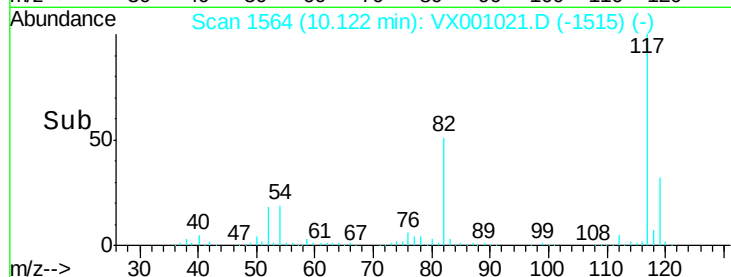
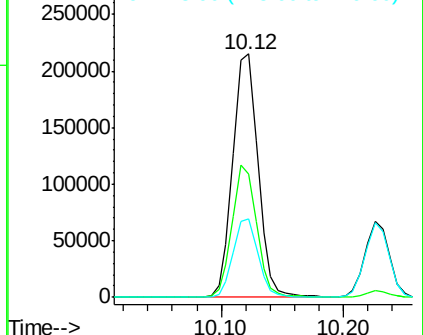


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 47.63 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	155756		
166	128.7	103.5	155.3	
129	86.5	69.6	104.4	
131	83.2	65.8	98.8	

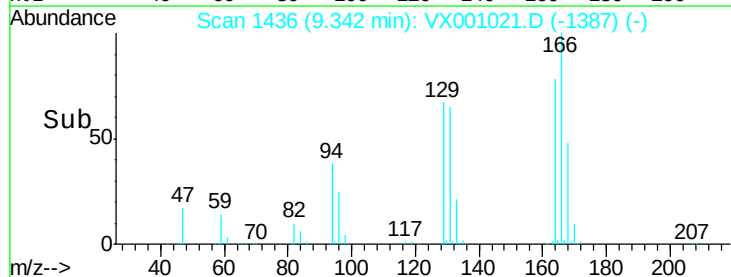
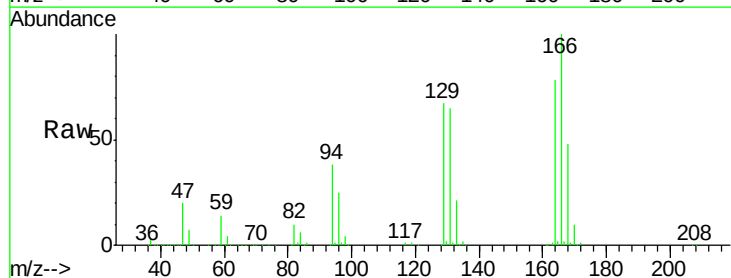
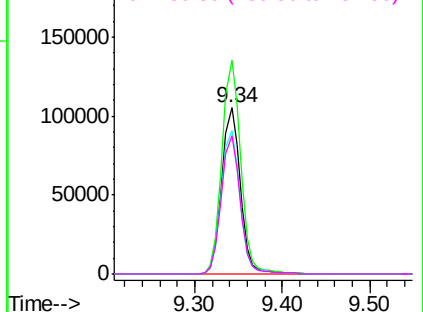
Abundance

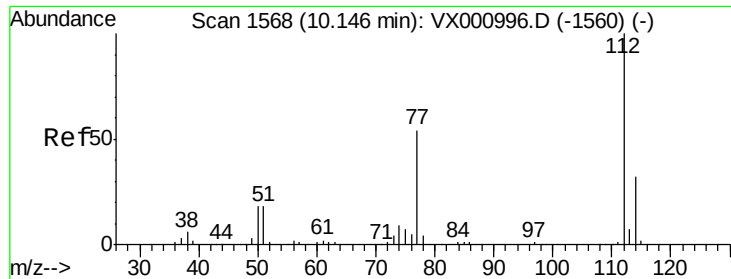
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





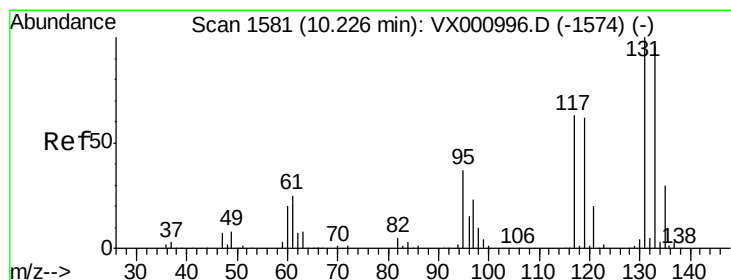
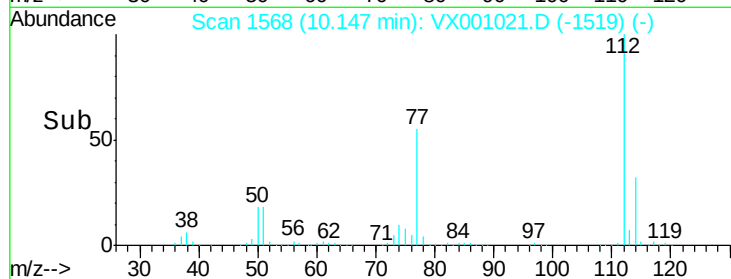
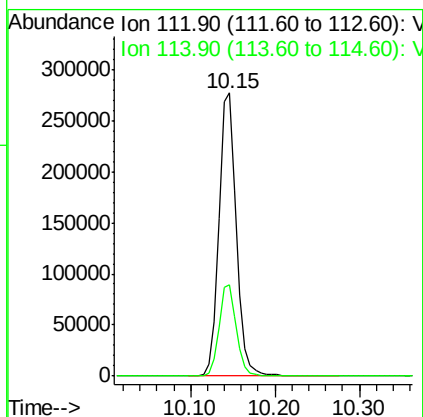
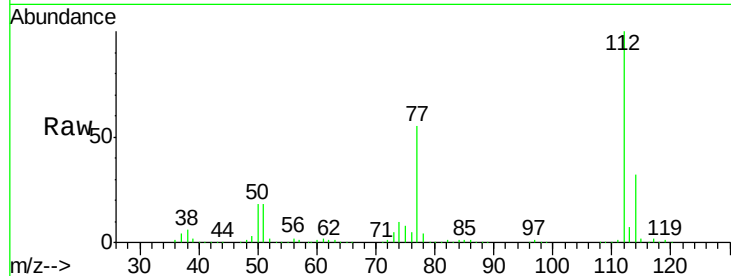
#65
Chlorobenzene
Concen: 48.29 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 395983
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3

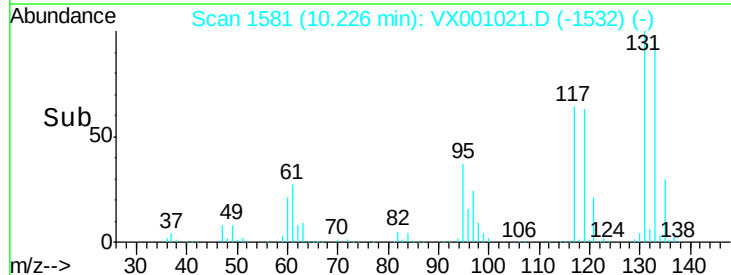
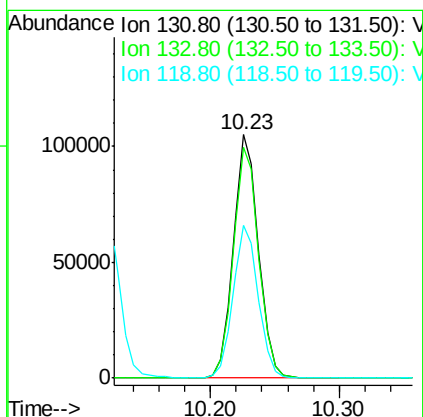
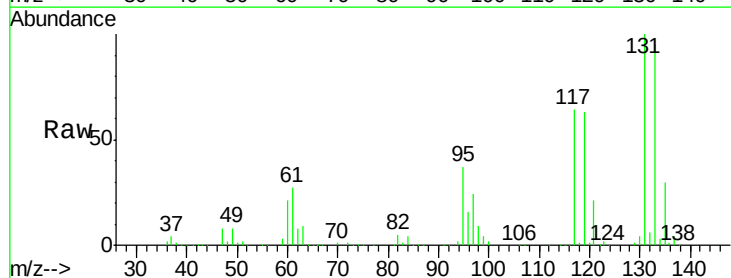
Manual Integrations
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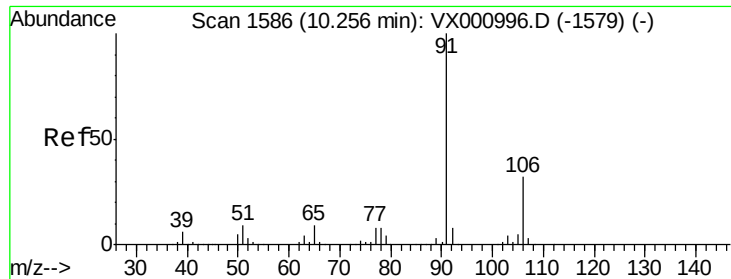
MMDadoda
4/23/2018 1:27:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.65 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion:131 Resp: 142554
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.8
119 63.1 31.1 93.2





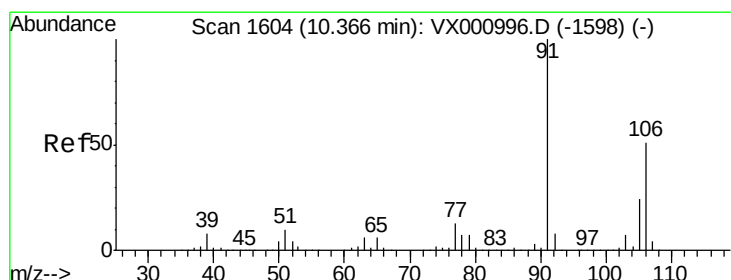
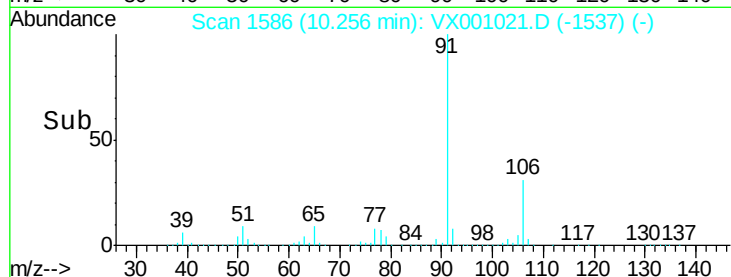
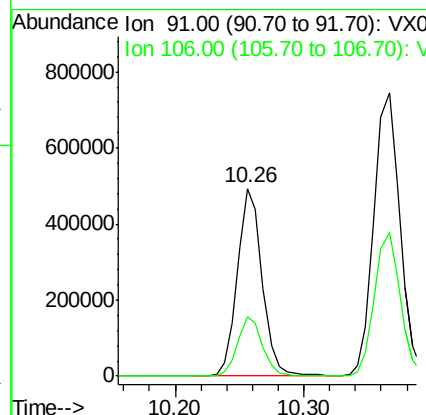
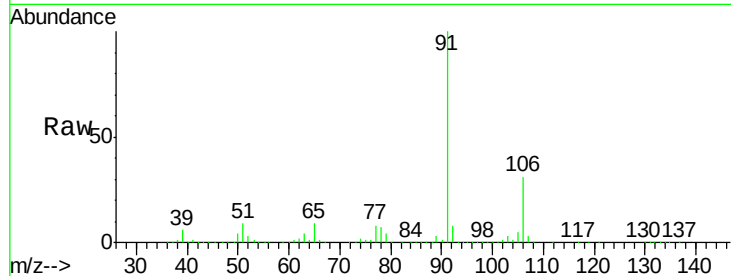
#67
Ethyl Benzene
Concen: 48.98 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 667045
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5

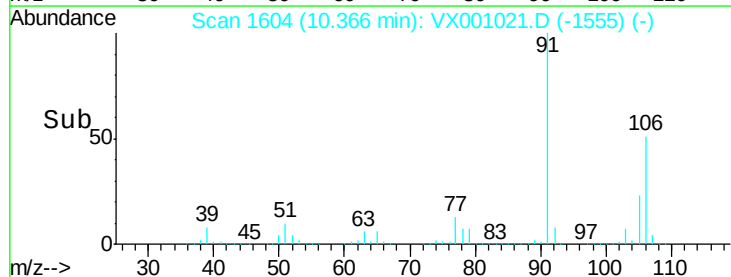
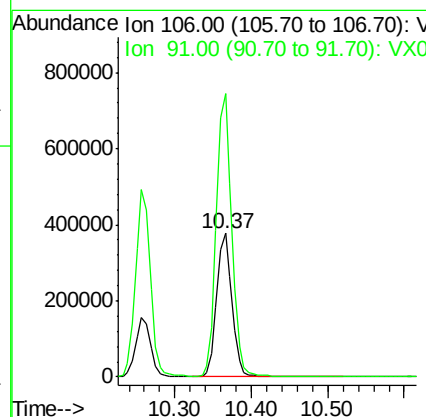
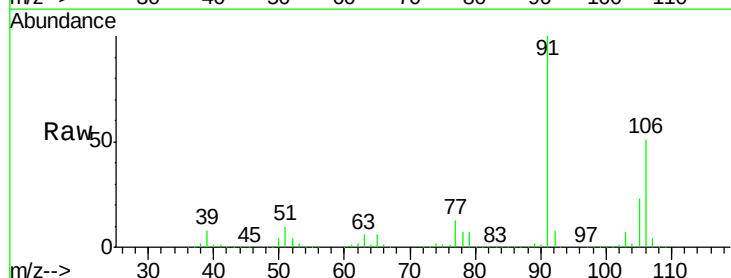
Manual Integrations
APPROVED

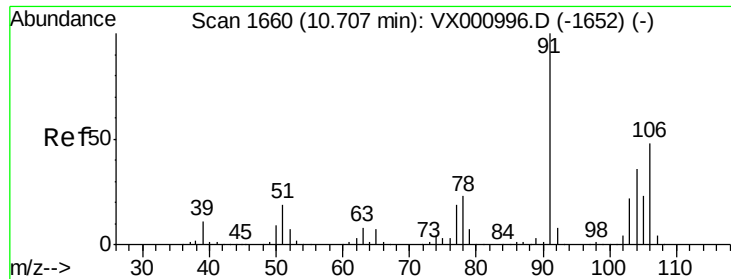
MMDadoda
4/23/2018 1:27:44 PM



#68
m/p-Xylenes
Concen: 97.57 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion: 106 Resp: 523660
Ion Ratio Lower Upper
106 100
91 200.0 159.3 238.9





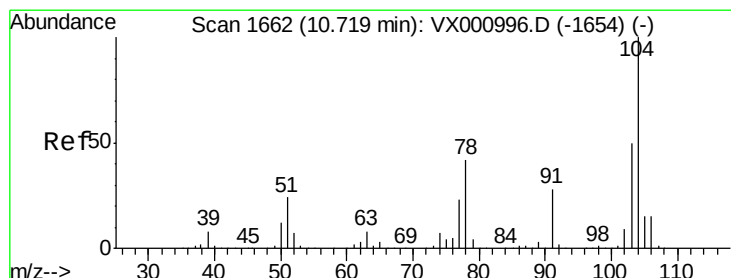
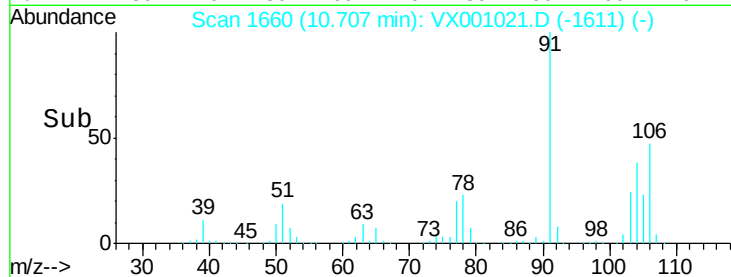
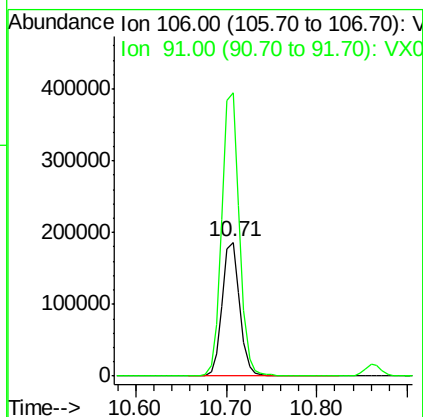
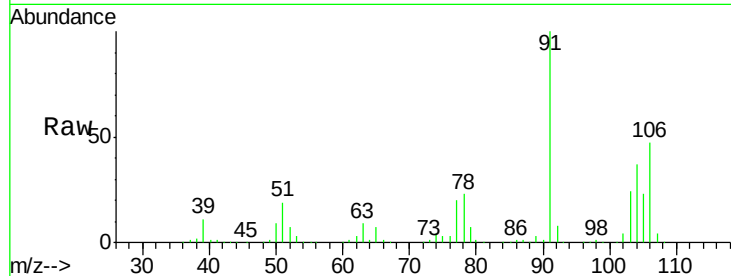
#69
o-Xylene
Concen: 48.74 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 252180
Ion Ratio Lower Upper
106 100
91 212.3 105.1 315.1

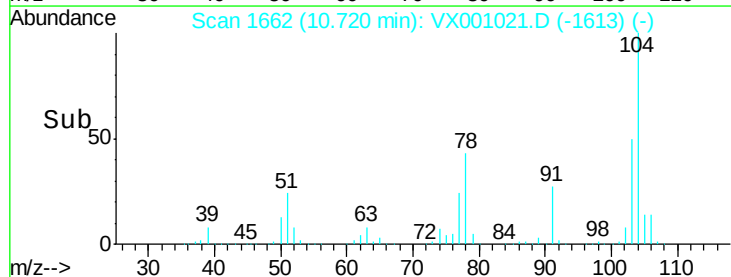
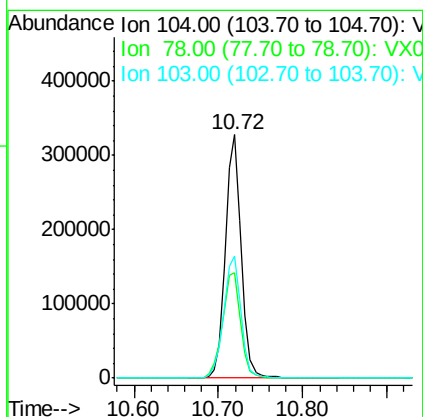
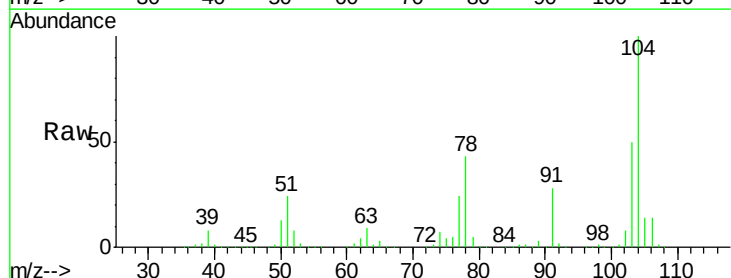
Manual Integrations
APPROVED

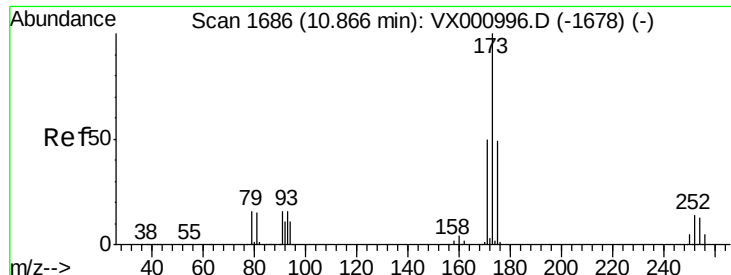
MMDadoda
4/23/2018 1:27:44 PM



#70
Styrene
Concen: 49.96 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion:104 Resp: 425701
Ion Ratio Lower Upper
104 100
78 49.6 39.4 59.2
103 55.1 44.2 66.2





#71

Bromoform

Concen: 46.97 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 122632
Ion Ratio Lower Upper

173 100

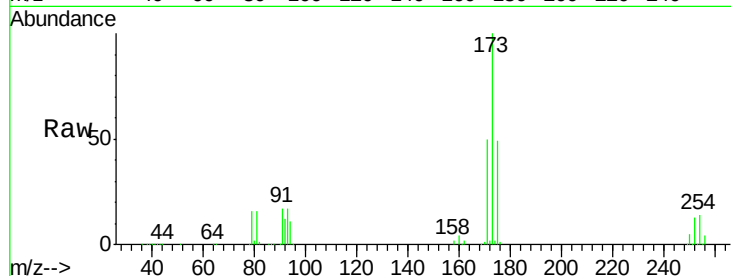
175 49.1 24.8 74.3

254 0.2 0.2 0.2

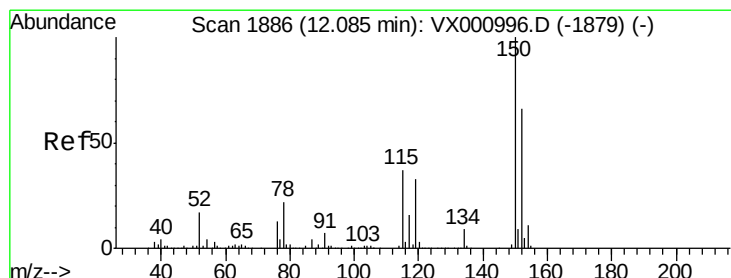
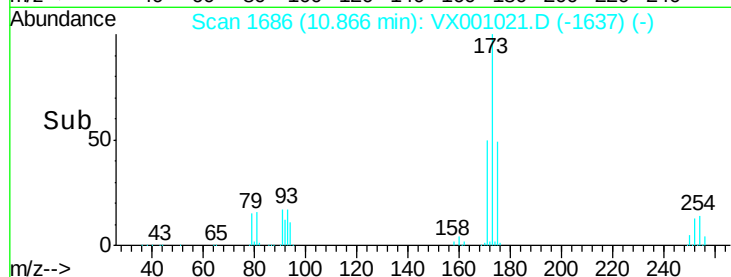
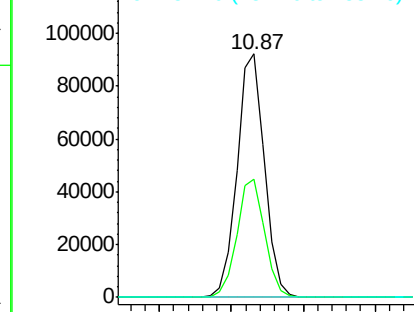
Manual Integrations
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4/23/2018 1:27:44 PM



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: VX001021.D

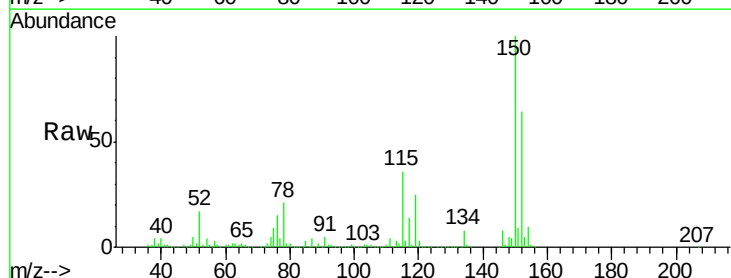
Acq: 20 Apr 2018 20:32

Tgt Ion:152 Resp: 216203
Ion Ratio Lower Upper

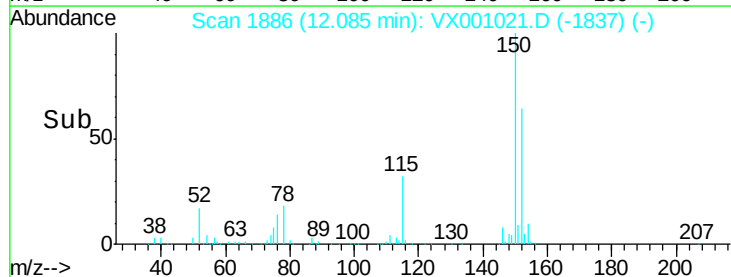
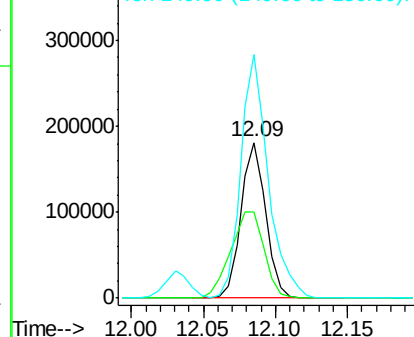
152 100

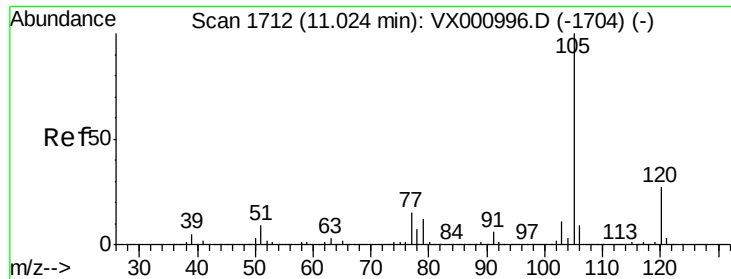
115 75.7 38.2 114.6

150 173.3 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





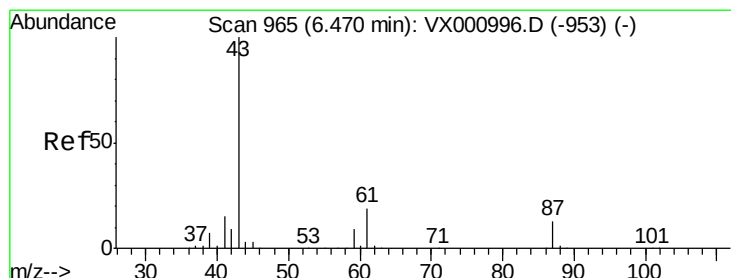
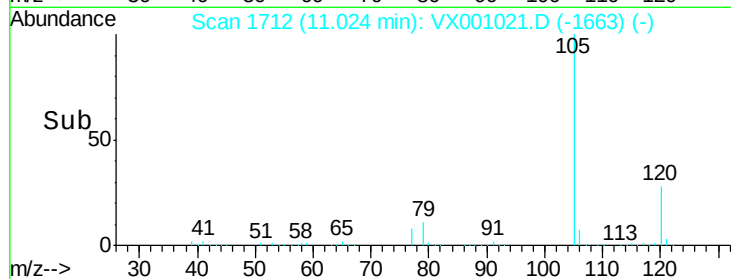
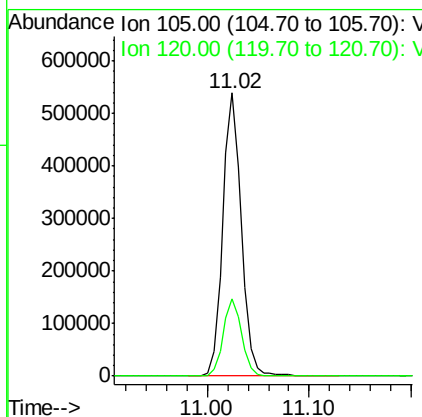
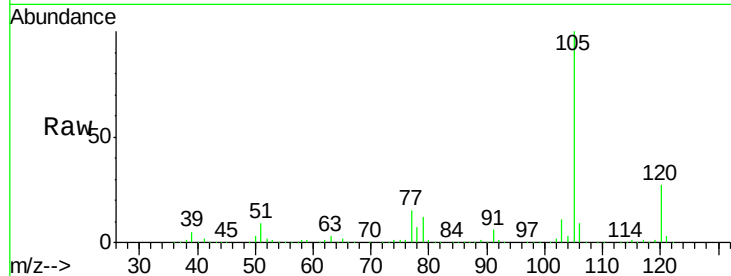
#73
Isopropylbenzene
Concen: 48.21 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 105 Resp: 681363
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.2

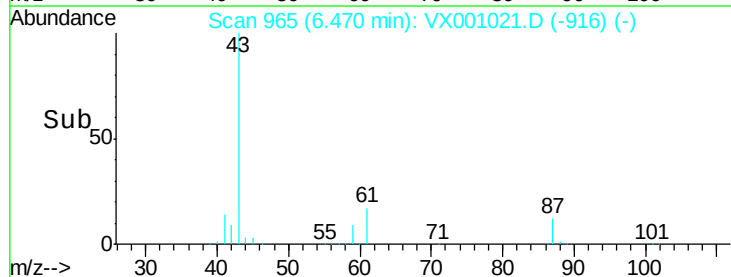
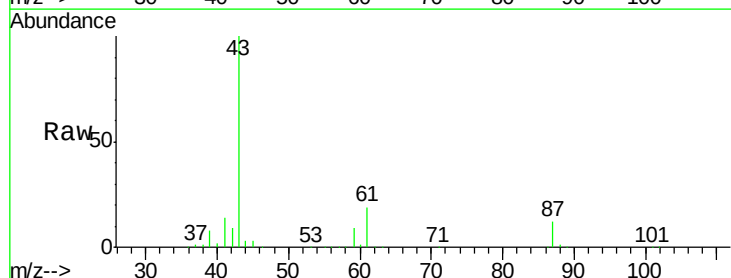
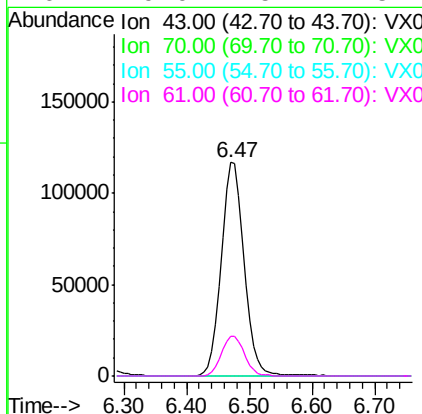
Manual Integrations
APPROVED

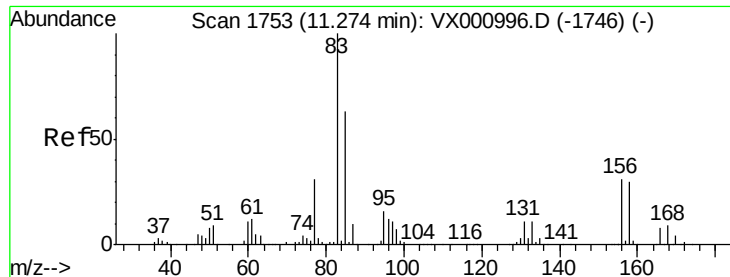
MMDadoda
4/23/2018 1:27:44 PM



#74
N-ethyl acetate
Concen: 48.65 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion: 43 Resp: 294173
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.1 0.1 0.1#
61 19.0 15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.33 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 201384
Ion Ratio Lower Upper

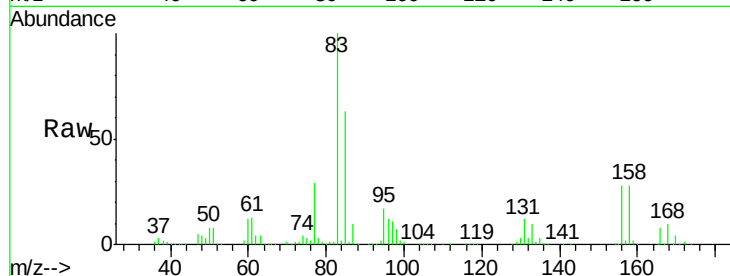
83 100

131 11.7 5.8 17.4

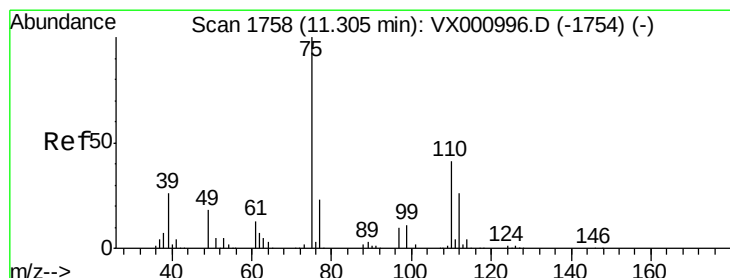
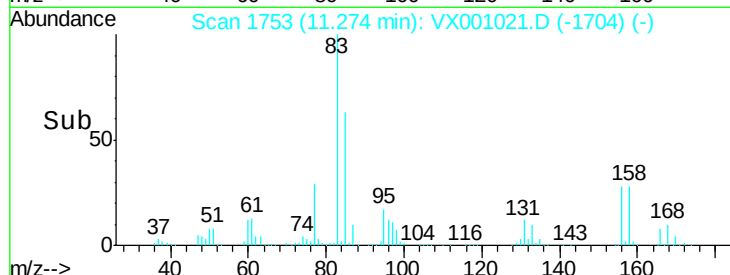
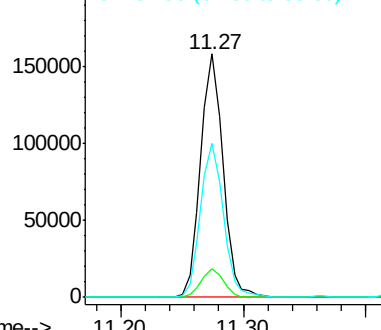
85 64.4 32.0 96.2

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: 50.07 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

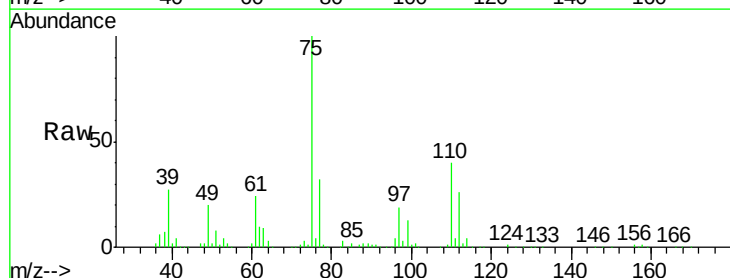
Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

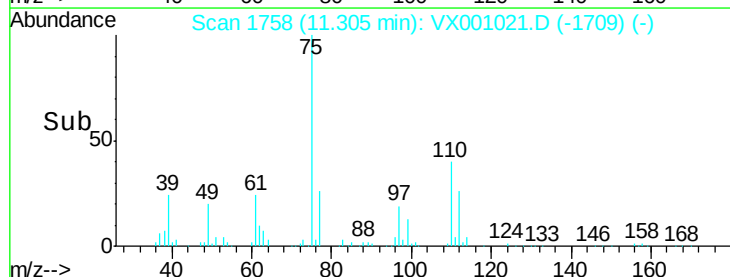
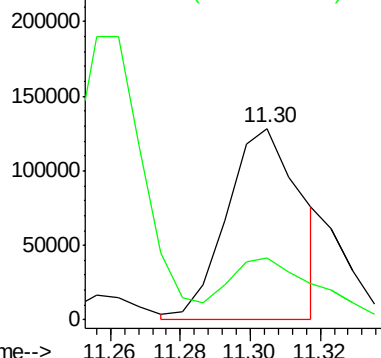
Tgt Ion: 75 Resp: 187832
Ion Ratio Lower Upper

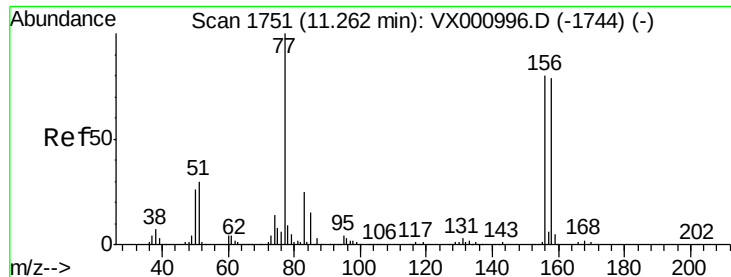
75 100

77 38.2 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: 47.86 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

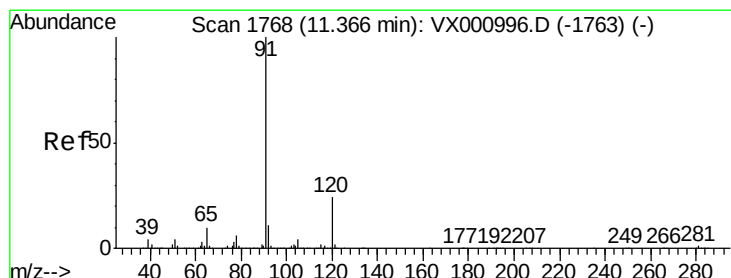
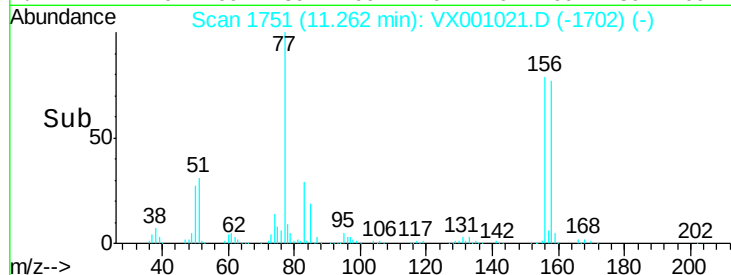
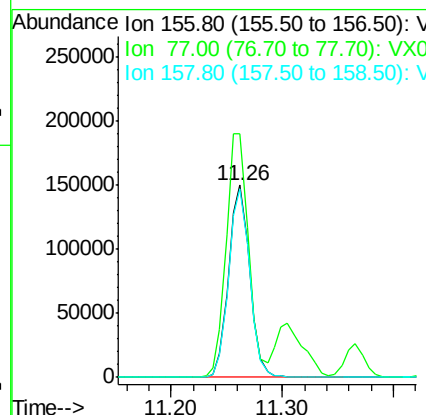
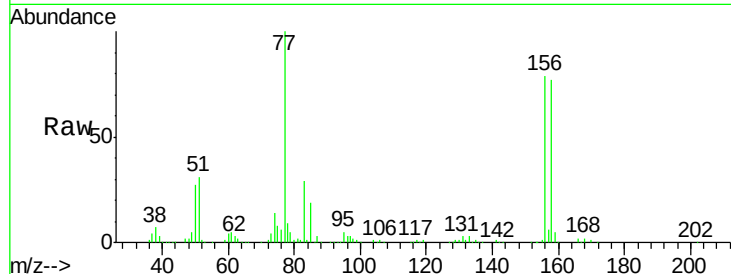
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	196372
Ion Ratio	Lower	Upper	
156	100		
77	135.0	66.3	199.0
158	98.1	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 47.82 ug/l

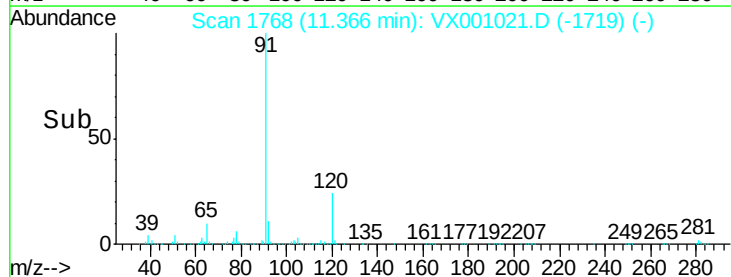
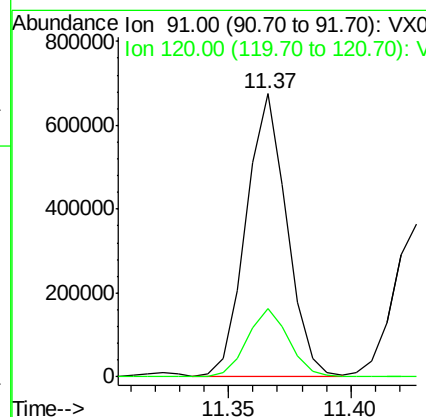
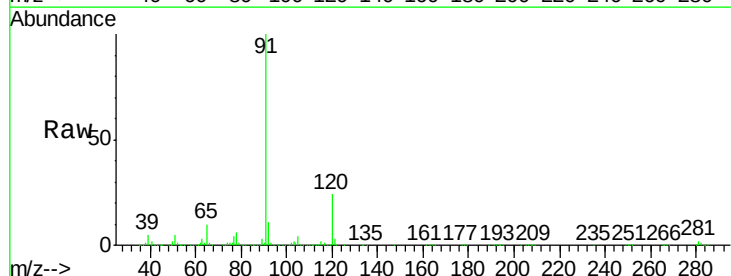
RT: 11.37 min Scan# 1768

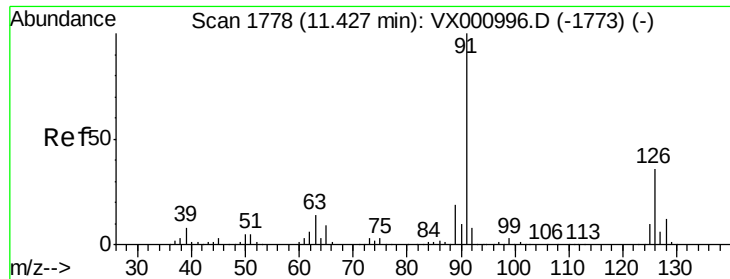
Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Tgt Ion:	91	Resp:	775918
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.4	37.0





#79

2-Chlorotoluene

Concen: 47.99 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 460175

Ion Ratio Lower Upper

91 100

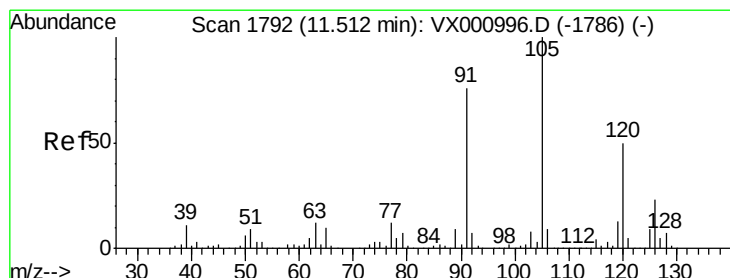
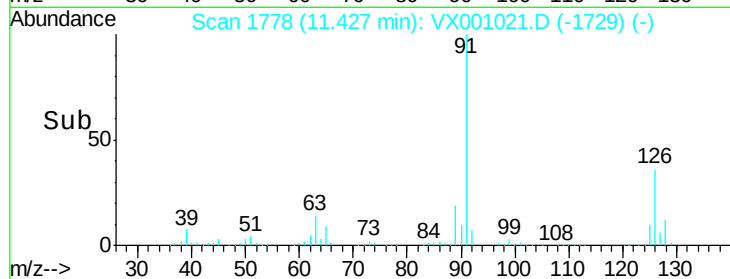
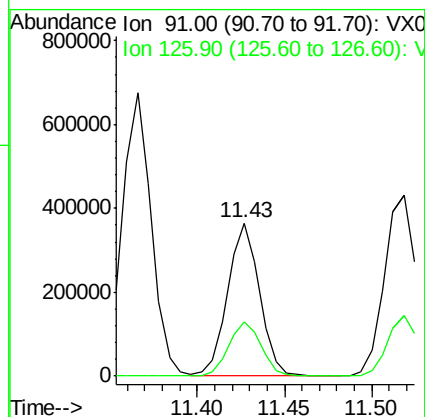
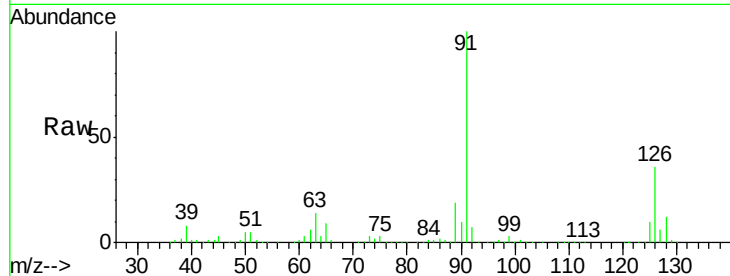
126 36.5 18.3 54.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.89 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001021.D

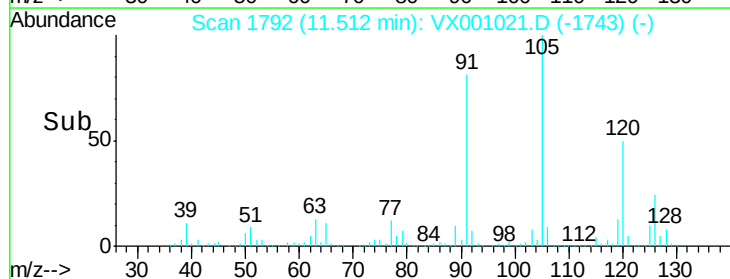
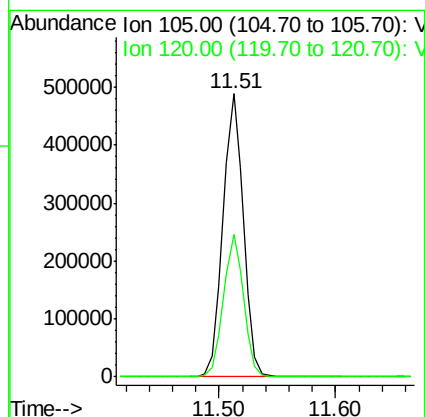
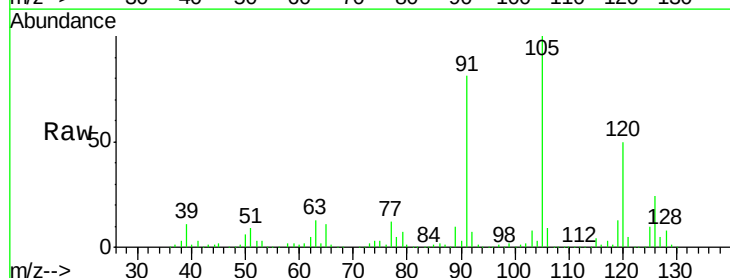
Acq: 20 Apr 2018 20:32

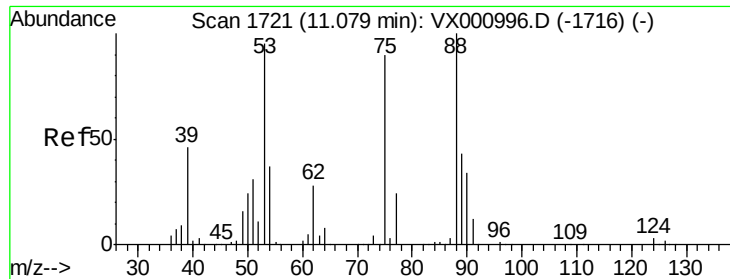
Tgt Ion: 105 Resp: 585823

Ion Ratio Lower Upper

105 100

120 49.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 43.09 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001021.D

Acq: 20 Apr 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 52083

Ion Ratio Lower Upper

75 100

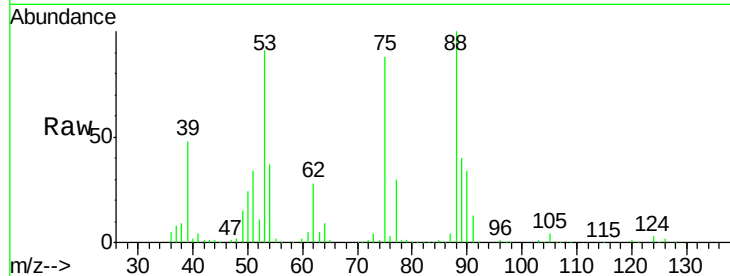
53 105.7 83.4 125.2

89 47.2 39.7 59.5

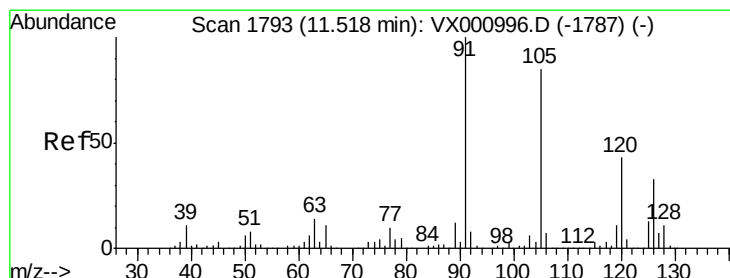
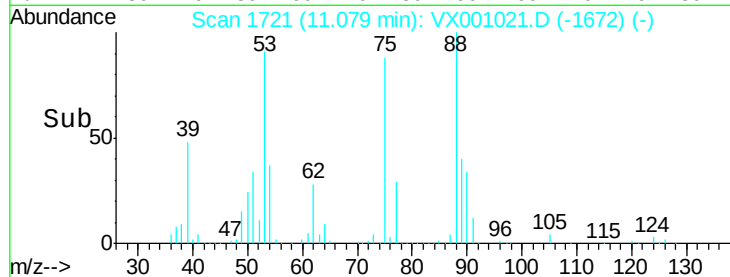
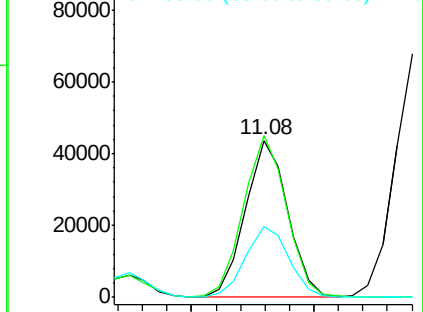
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 47.81 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001021.D

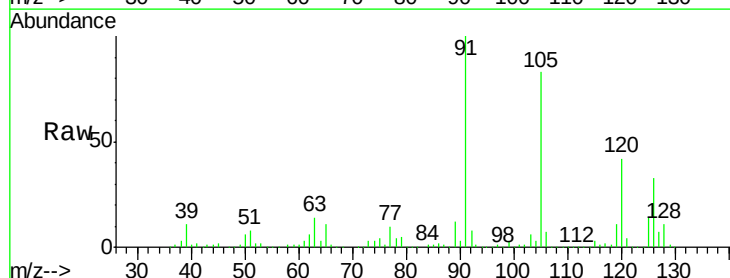
Acq: 20 Apr 2018 20:32

Tgt Ion: 91 Resp: 553966

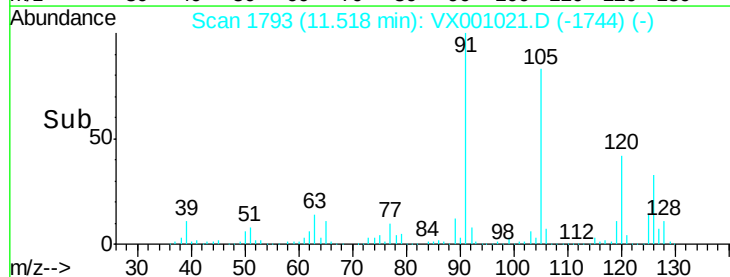
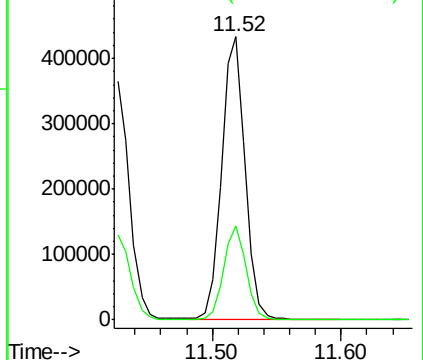
Ion Ratio Lower Upper

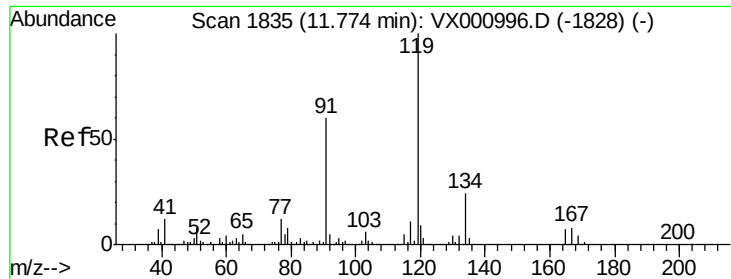
91 100

126 32.0 16.2 48.5



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





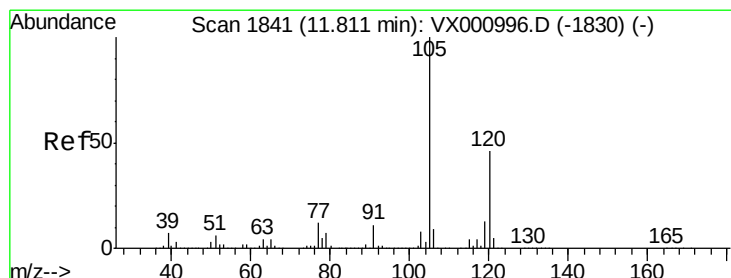
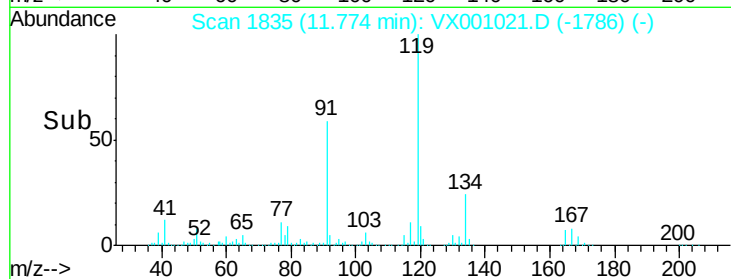
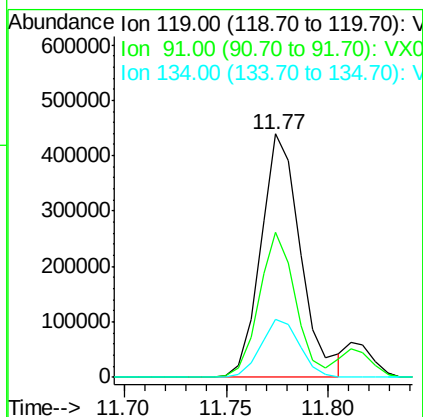
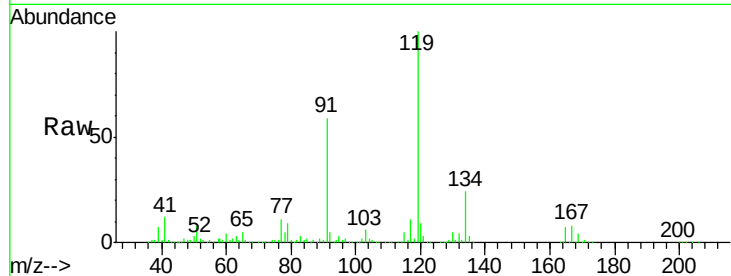
#83
 tert-Butylbenzene
 Concen: 49.18 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	594486		
91	54.7	27.0	81.0	
134	23.3	11.6	34.7	

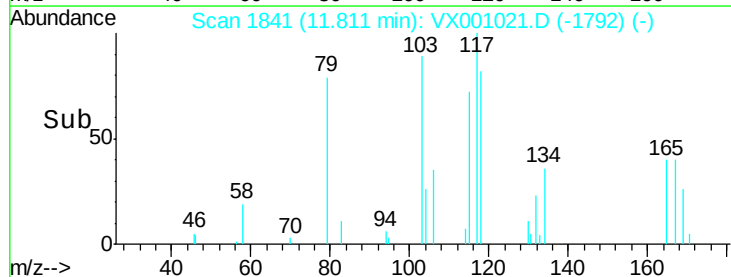
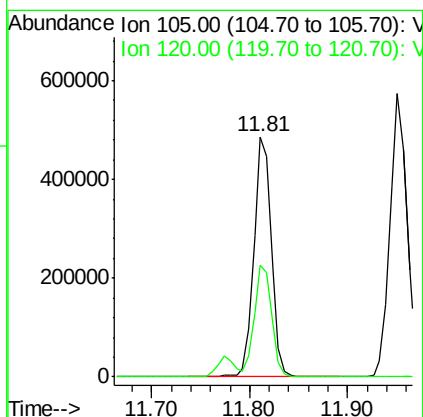
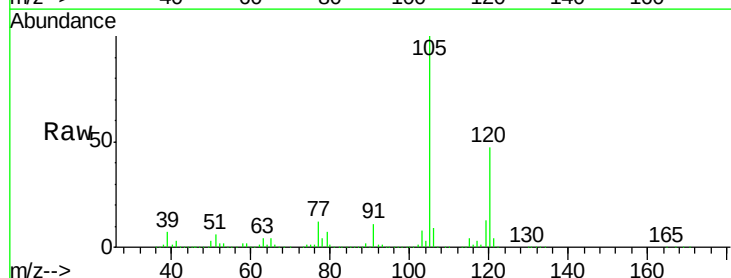
Manual Integrations
 APPROVED

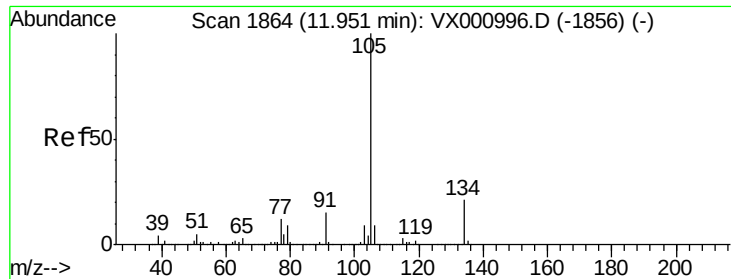
MMDadoda
 4/23/2018 1:27:44 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.74 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	601018		
120	46.0	23.0	69.0	





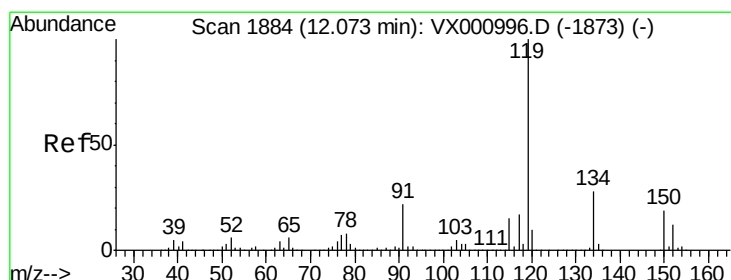
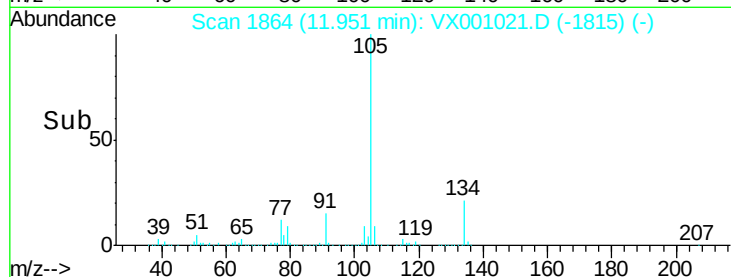
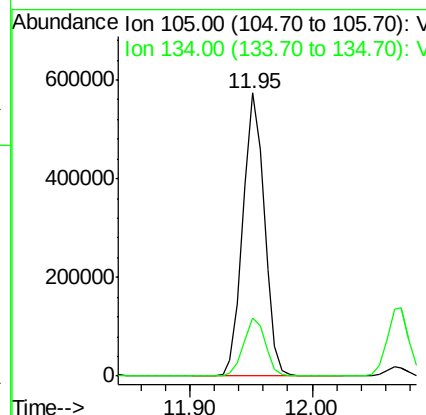
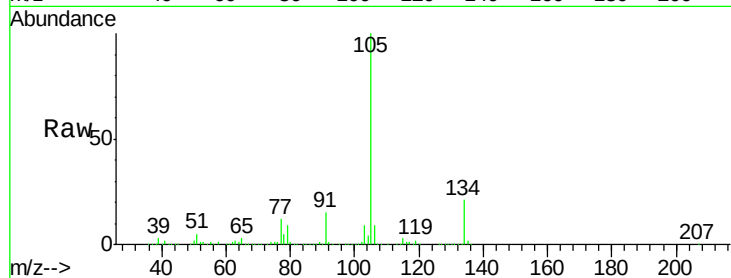
#85
 sec-Butylbenzene
 Concen: 48.11 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.6

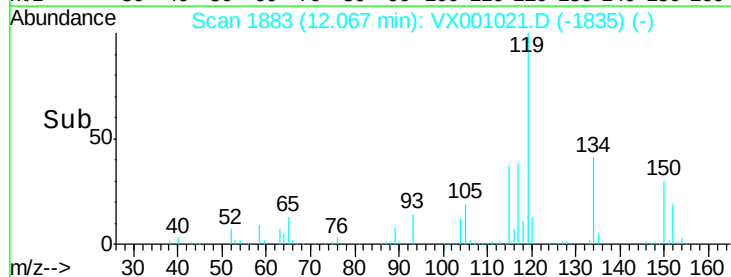
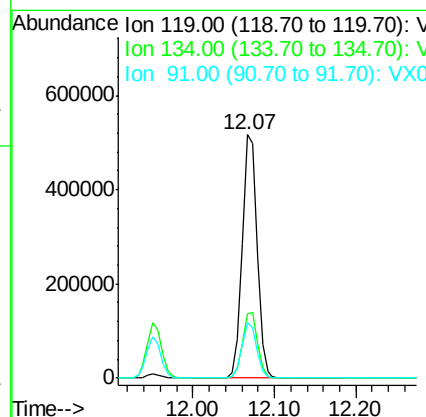
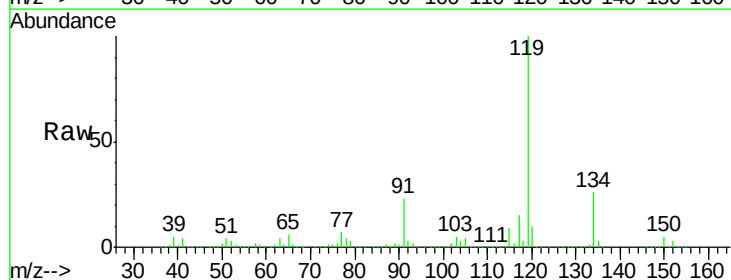
Manual Integrations
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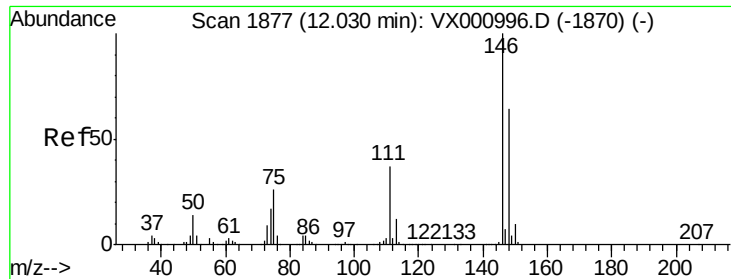
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#86
 p-Isopropyltoluene
 Concen: 47.88 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.5	40.5
91	22.5	11.4	34.1





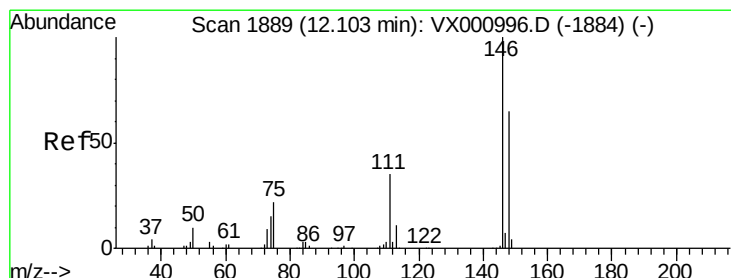
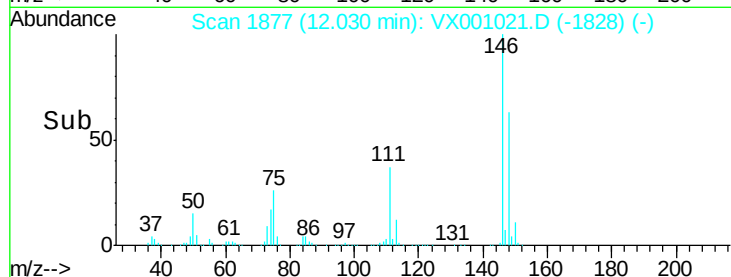
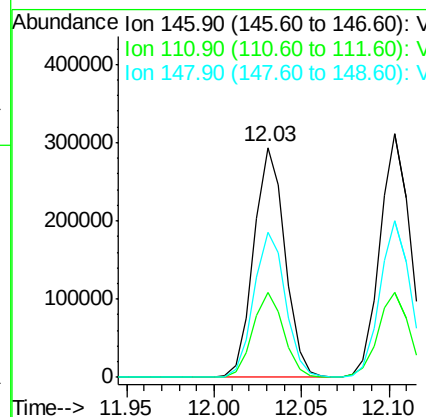
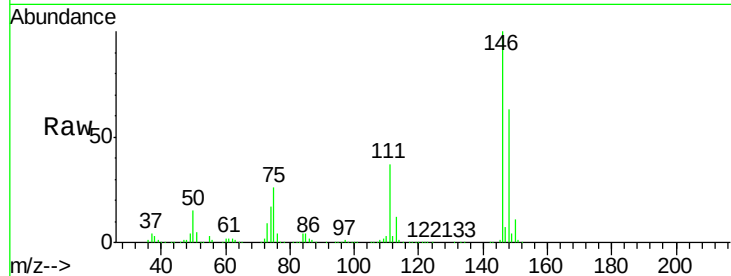
#87
 1,3-Dichlorobenzene
 Concen: 47.57 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	365376		
111	36.5	18.3	54.8	
148	63.9	32.2	96.6	

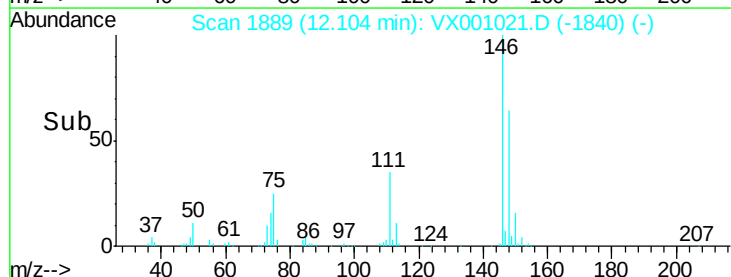
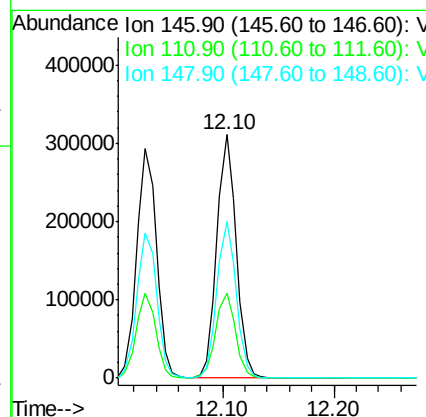
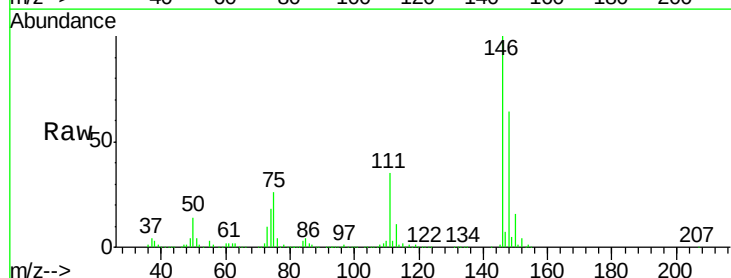
Manual Integrations
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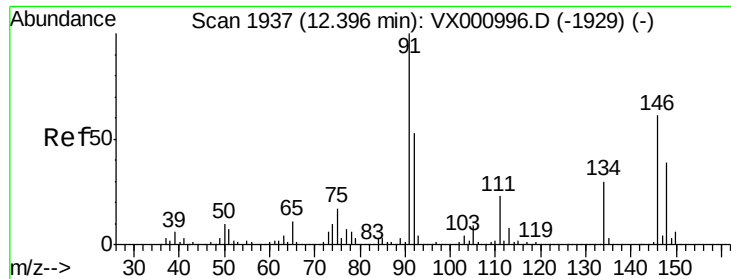
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#88
 1,4-Dichlorobenzene
 Concen: 47.65 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	375696		
111	35.7	18.0	54.0	
148	64.3	32.4	97.0	





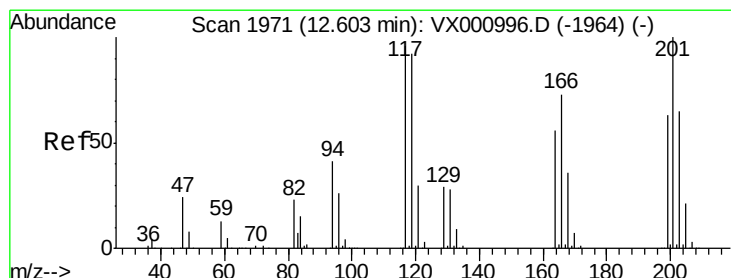
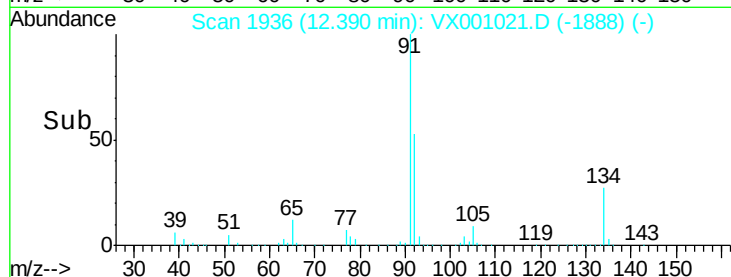
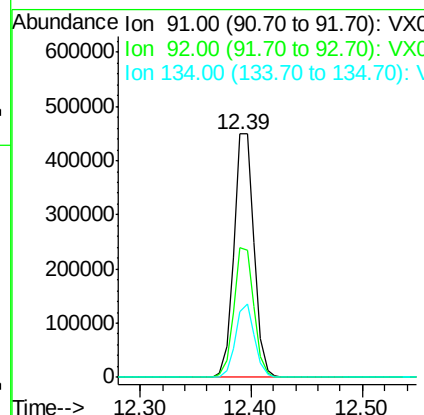
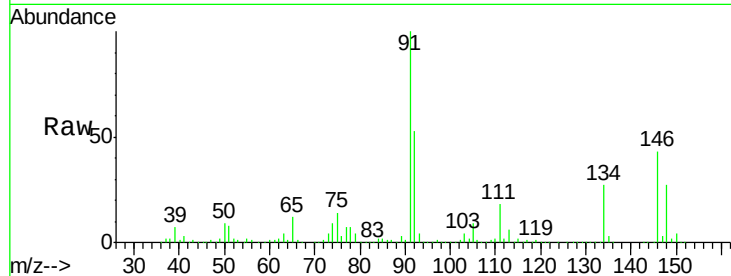
#89
n-Butylbenzene
Concen: 47.08 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.9
134	28.5	14.4	43.0

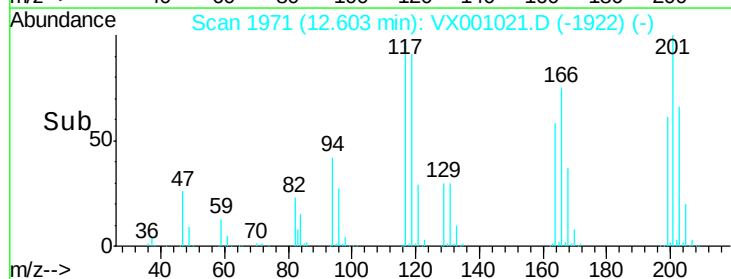
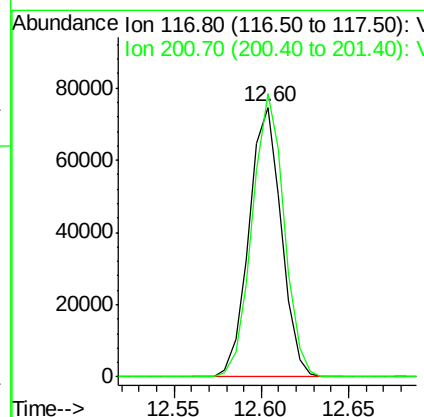
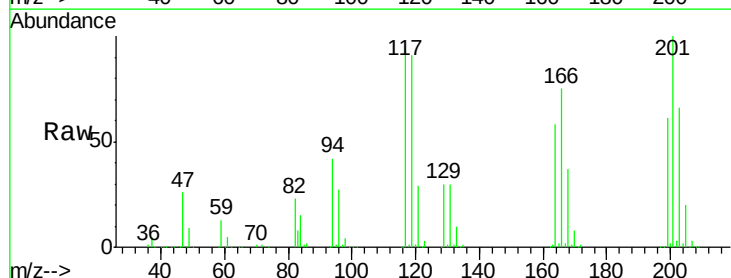
Manual Integrations
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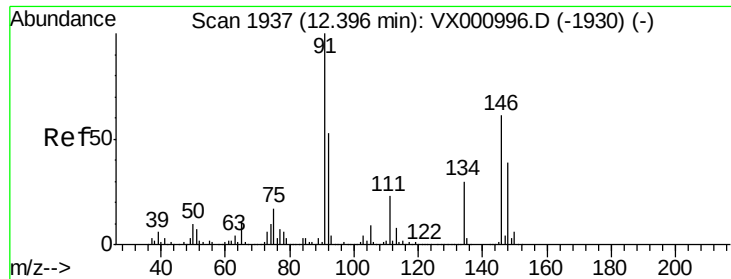
MMDadoda
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#90
Hexachloroethane
Concen: 50.57 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.5	52.3	157.1





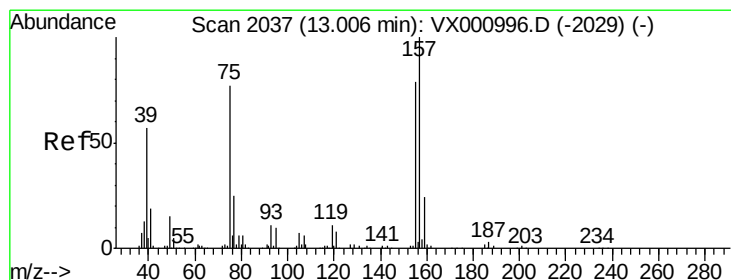
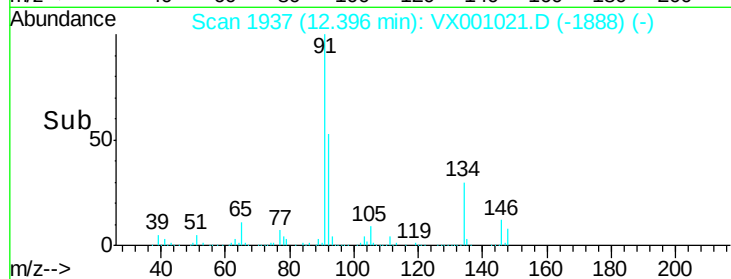
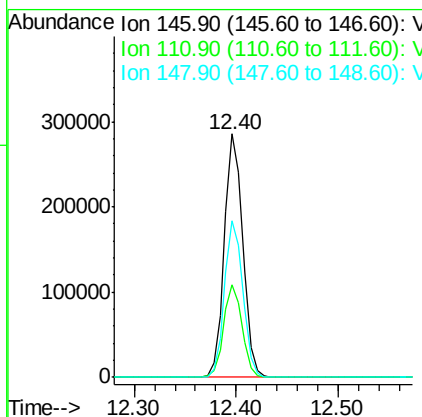
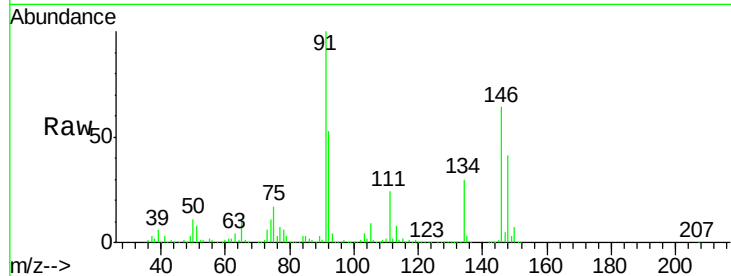
#91
 1,2-Dichlorobenzene
 Concen: 48.30 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	56.0
148	64.0	32.3	96.8

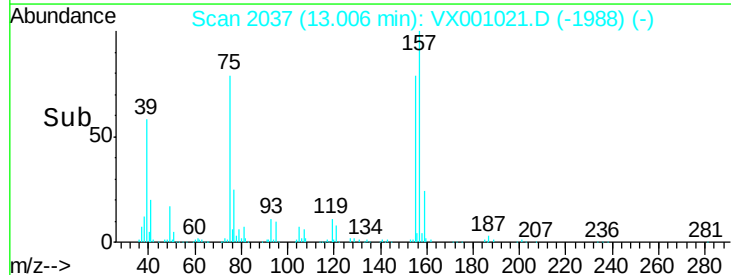
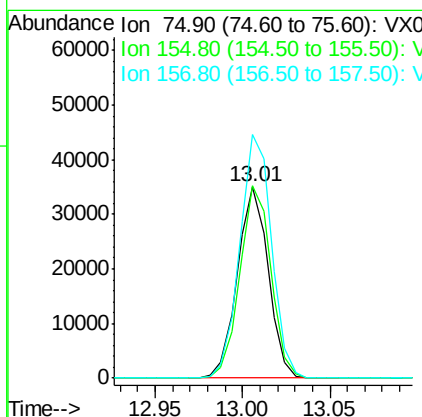
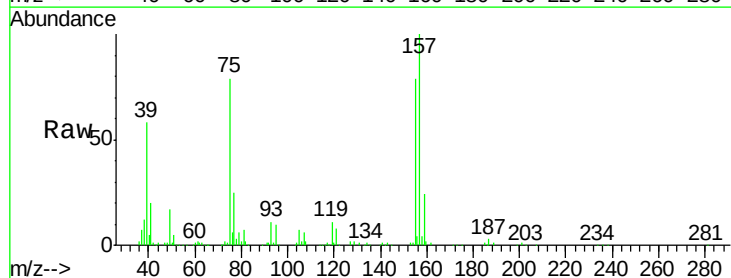
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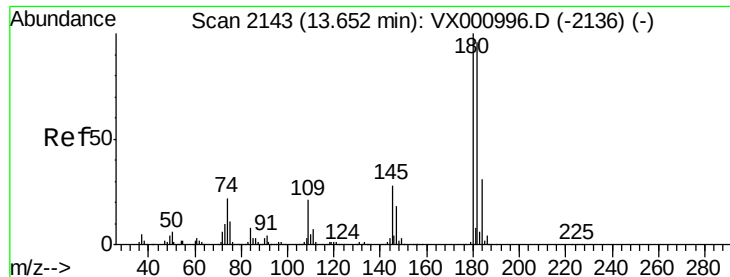
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.27 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	51.0	153.0
157	130.7	64.9	194.7





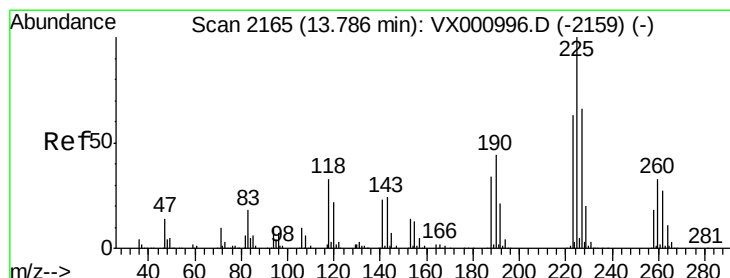
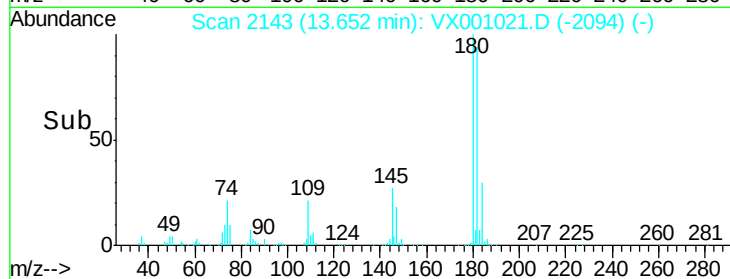
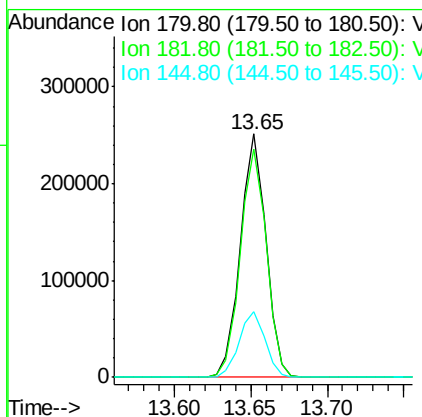
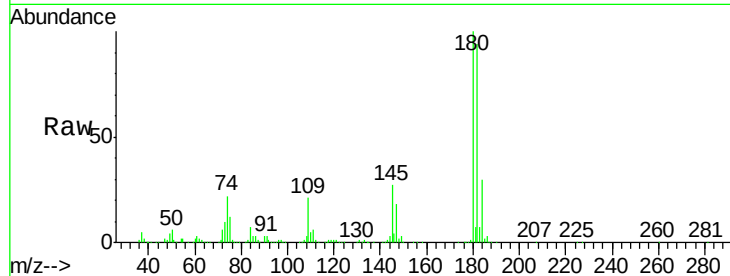
#93
 1,2,4-Trichlorobenzene
 Concen: 46.69 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	291414		
182	95.5	48.0	144.0	
145	27.5	13.9	41.7	

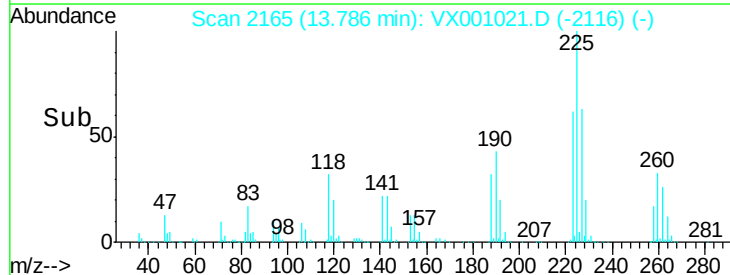
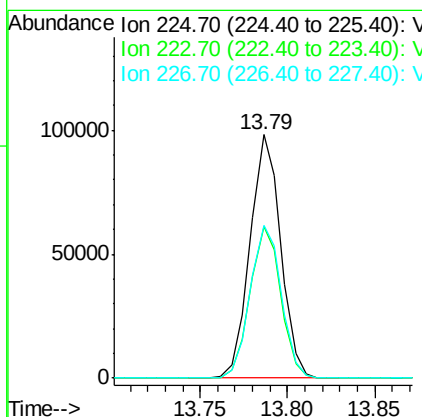
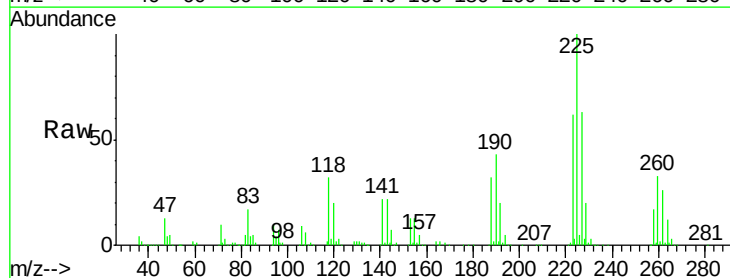
Manual Integrations
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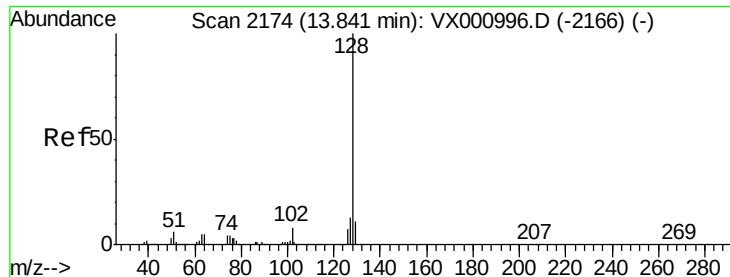
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#94
 Hexachlorobutadiene
 Concen: 42.13 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001021.D
 Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118992		
223	62.4	31.5	94.5	
227	64.1	32.6	97.8	





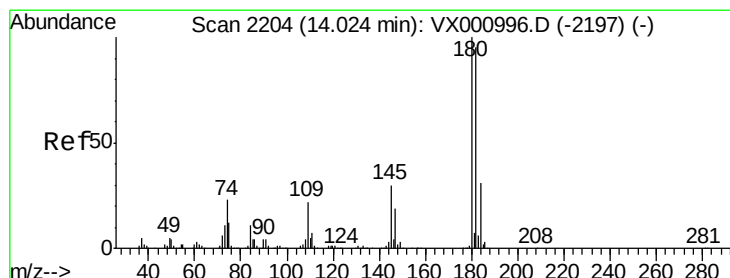
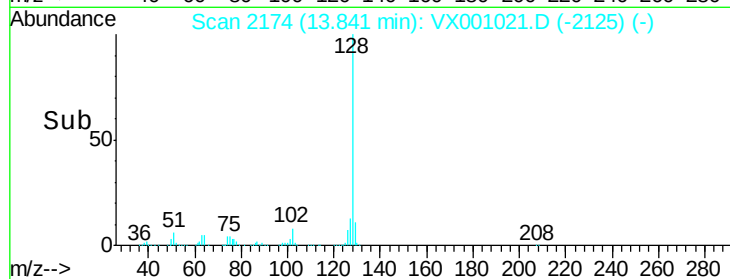
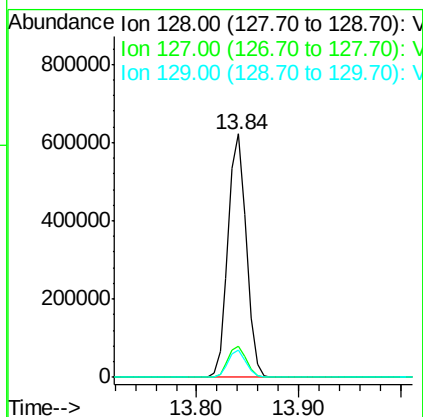
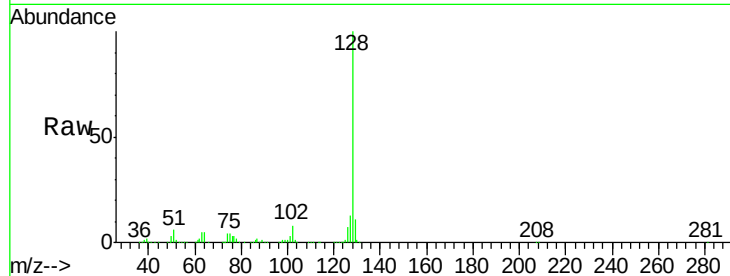
#95
Naphthalene
Concen: 49.89 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	765908		
127	13.0	10.2	15.4	
129	11.1	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.01 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001021.D
Acq: 20 Apr 2018 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	283801		
182	96.3	47.9	143.7	
145	29.0	14.5	43.6	

