

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003501.D
 Acq On : 20 Jul 2018 11:26
 Operator : JC/SP
 Sample : VX0720WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 12:34:41 PM

Quant Time: Jul 20 12:07:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	59674	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	320311	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	292953	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	118208	29.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.67%
60) 4-Bromofluorobenzene	11.14	95	140691	29.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.63%
63) Toluene-d8	8.72	98	401913	31.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.43%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	52985	11.70	ug/l	98
3) Chloromethane	1.32	50	68865	15.31	ug/l	95
4) Vinyl Chloride	1.40	62	76362	15.57	ug/l	100
5) Bromomethane	1.64	94	40262	19.80	ug/l	97
6) Chloroethane	1.73	64	49187	16.82	ug/l	96
7) Trichlorofluoromethane	1.93	101	108043	16.53	ug/l	99
8) Diethyl Ether	2.19	74	45758	17.12	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68126	17.03	ug/l	99
10) 1,1-Dichloroethene	2.37	96	63255	17.04	ug/l	90
11) Methyl Iodide	2.51	142	65880	20.22	ug/l	92
12) Methyl Acetate	2.78	43	96630	16.03	ug/l	96
13) Acrolein	2.29	56	32648	69.72	ug/l	98
14) Acrylonitrile	3.15	53	200027	88.20	ug/l	98
15) Acetone	2.45	58	55254	92.94	ug/l	76
16) Carbon Disulfide	2.57	76	174262	16.44	ug/l	100
17) Allyl chloride	2.73	41	122119	17.30	ug/l	93
18) Methylene Chloride	2.86	84	74471	17.10	ug/l	91
19) trans-1,2-Dichloroethene	3.17	96	70148	17.52	ug/l	96
20) Diisopropyl ether	3.87	45	225346	17.66	ug/l	98
21) 1,1-Dichloroethane	3.70	63	131087	17.52	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	78689	18.49	ug/l	82
23) tert-Butyl Alcohol	3.06	59	84604	89.85	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	218156	17.60	ug/l #	90
25) Chloroform	5.21	83	124051	18.41	ug/l	100
26) Cyclohexane	5.57	56	109127	18.68	ug/l #	93
29) 1,1-Dichloropropene	5.80	75	93126	18.44	ug/l	98
30) 2-Butanone	4.70	43	256030	90.73	ug/l	93
31) 2,2-Dichloropropane	4.58	77	95541	17.52	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	104568	18.29	ug/l	98
33) Carbon Tetrachloride	5.79	117	92909	18.51	ug/l	90
34) Benzene	6.15	78	283943	19.09	ug/l	97
35) Methacrylonitrile	5.06	41	54376	18.21	ug/l	94
36) 1,2-Dichloroethane	6.20	62	95280	18.42	ug/l #	95
37) Trichloroethene	7.21	130	82953	20.17	ug/l	92
38) Methylcyclohexane	7.46	83	108280	18.97	ug/l	97
39) 1,2-Dichloropropane	7.52	63	74336	19.34	ug/l	96
40) Dibromomethane	7.67	93	47525	18.83	ug/l	95

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Manual Integrations
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 7/23/2018 12:34:41 PM

Quant Time: Jul 20 12:07:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	88644	18.80	ug/l	97
42) Vinyl Acetate	3.82	43	961198	88.66	ug/l	98
43) Ethyl Acetate	4.85	43	100465	18.74	ug/l	98
44) Isopropyl Acetate	6.46	43	146799	17.87	ug/l	93
45) 1,4-Dioxane	7.76	88	33490	381.90	ug/l #	84
46) Methyl methacrylate	7.78	41	74497	17.53	ug/l	87
47) n-amyl Acetate	10.90	43	115133	16.27	ug/l #	88
48) t-1,3-Dichloropropene	8.44	75	107175	18.67	ug/l	98
49) cis-1,3-Dichloropropene	9.04	75	94905	18.26	ug/l	93
50) 1,1,2-Trichloroethane	9.22	97	72460	19.04	ug/l	99
51) Ethyl methacrylate	9.18	69	100004	18.03	ug/l	84
52) 1,3-Dichloropropane	9.37	76	120157	19.22	ug/l	100
53) Dibromochloromethane	9.59	129	70753	18.60	ug/l	100
54) 1,2-Dibromoethane	9.68	107	75925	19.24	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	246681	94.26	ug/l	98
56) Bromoform	10.86	173	53854	18.52	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	485372	93.01	ug/l	93
59) 2-Hexanone	9.50	43	365544	91.46	ug/l	93
61) Tetrachloroethene	9.34	164	97098	21.66	ug/l	99
62) Toluene	8.79	91	316118	19.78	ug/l	99
64) Chlorobenzene	10.14	112	205348	19.40	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	72896	19.42	ug/l	99
66) Ethyl Benzene	10.26	91	334488	18.94	ug/l	98
67) m/p-Xylenes	10.36	106	264545	38.49	ug/l	97
68) o-Xylene	10.70	106	123127	18.62	ug/l	98
69) Styrene	10.71	104	209630	19.07	ug/l	97
70) Isopropylbenzene	11.02	105	342666	19.54	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	103036	18.74	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	90806m	14.12	ug/l	
73) Bromobenzene	11.26	156	92843	19.05	ug/l	95
74) n-propylbenzene	11.36	91	389205	19.06	ug/l	99
75) 2-Chlorotoluene	11.42	91	234105	19.17	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	283741	19.12	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	27564	17.95	ug/l	98
78) 4-Chlorotoluene	11.51	91	271181	19.01	ug/l	98
79) tert-butylbenzene	12.07	119	294631	18.75	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	289395	19.20	ug/l	97
81) sec-Butylbenzene	11.95	105	333771	19.02	ug/l	100
82) p-Isopropyltoluene	12.07	119	294631	18.75	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	168876	18.70	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	169109	18.55	ug/l	99
85) n-Butylbenzene	12.39	91	249577	18.09	ug/l	99
86) Hexachloroethane	12.60	117	38829	16.79	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	169040	18.73	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	19234	16.84	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	118236	18.24	ug/l	99
90) Hexachlorobutadiene	13.79	225	57328	18.05	ug/l	99
91) Naphthalene	13.83	128	336444	18.00	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	122432	18.63	ug/l	99

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Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

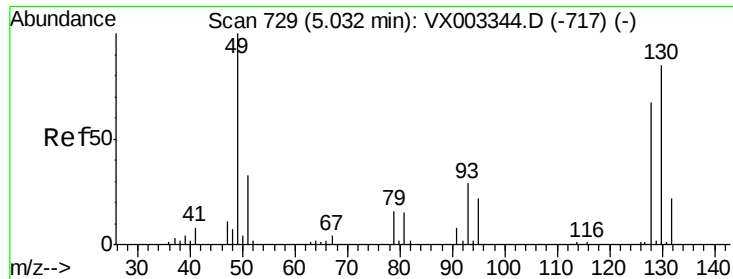
Manual Integrations
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7/23/2018 12:34:41 PM

Quant Time: Jul 20 12:07:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 12 13:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



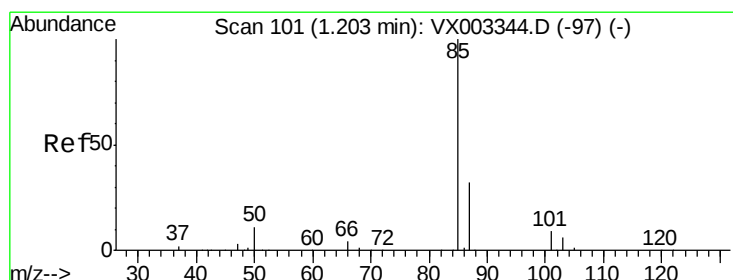
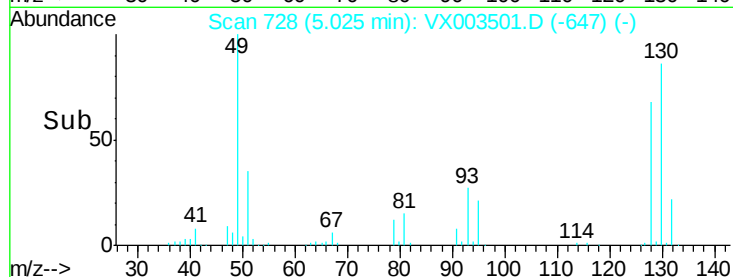
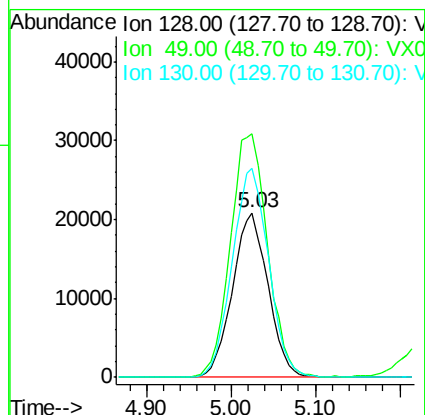
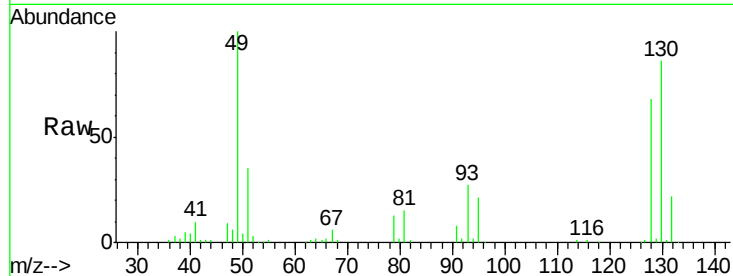
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	154.8	0.0	423.0
130	129.7	0.0	324.3

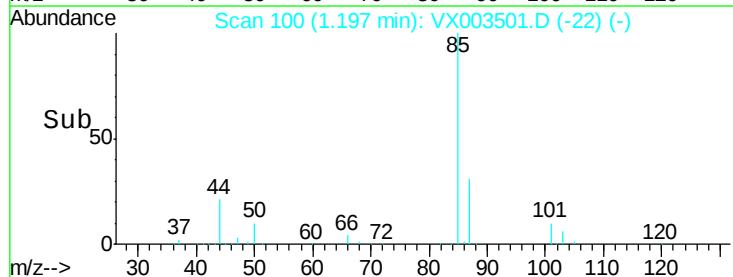
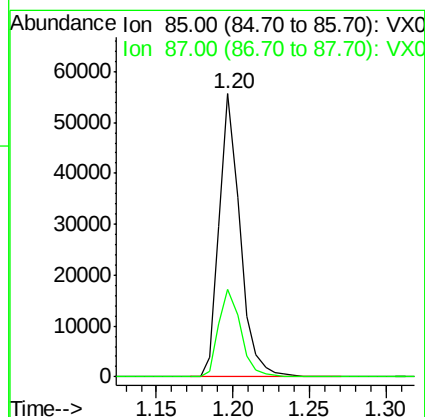
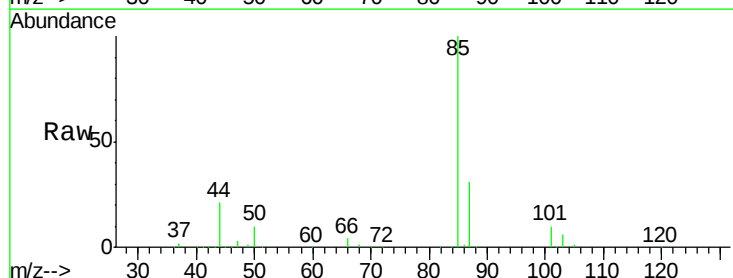
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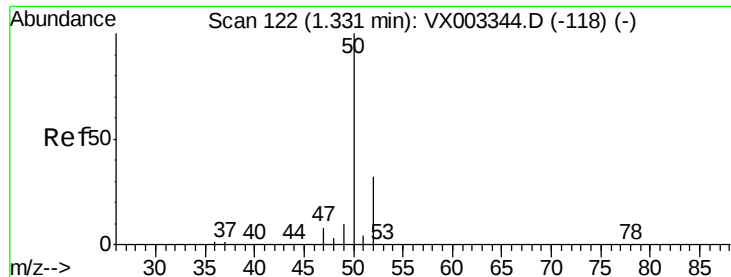
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#2
Dichlorodifluoromethane
Concen: 11.70 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.01 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.2	48.5





#3

Chloromethane

Concen: 15.31 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS01

Tot Ion: 50 Resp: 68865

Ion Ratio Lower Upper

50 100

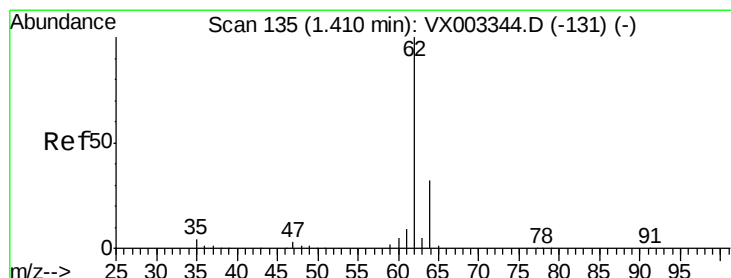
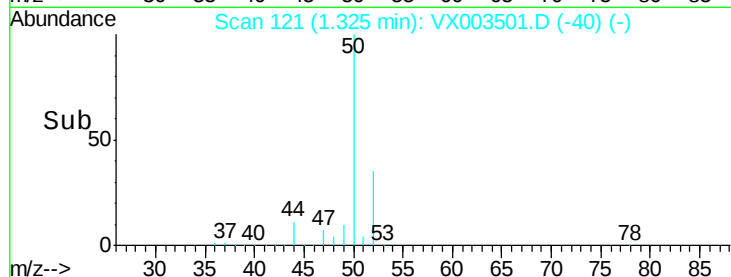
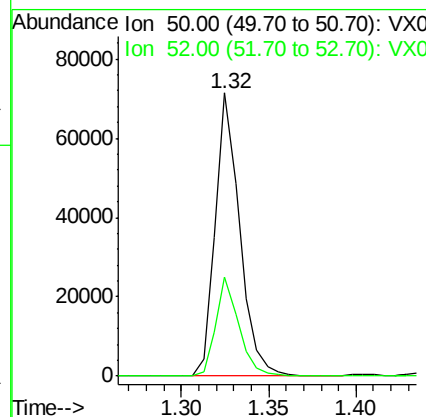
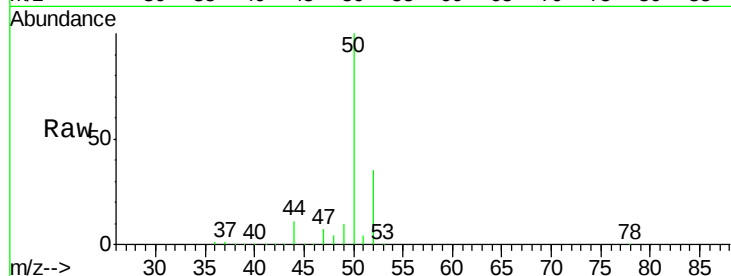
52 34.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.57 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003501.D

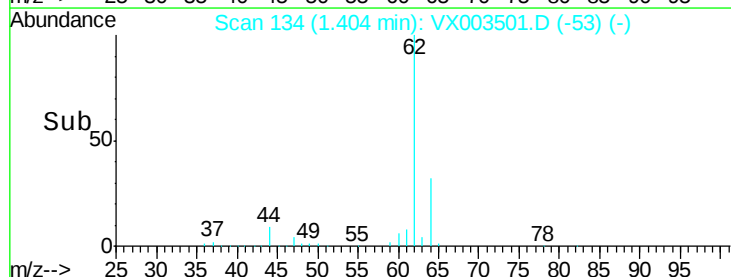
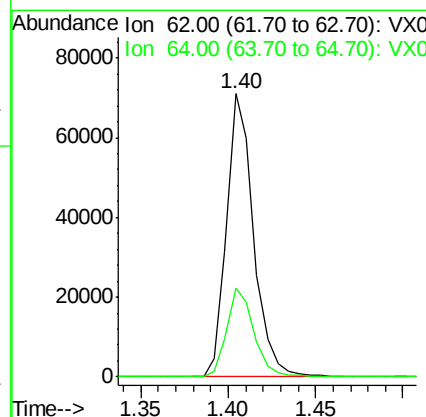
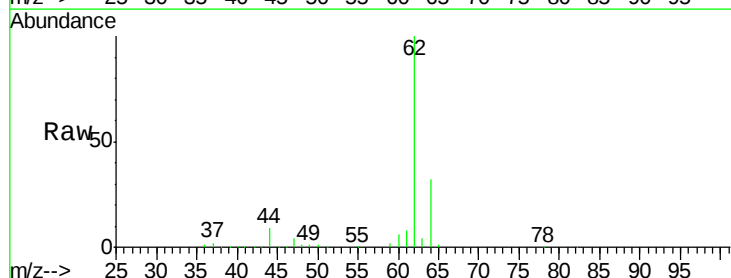
Acq: 20 Jul 2018 11:26

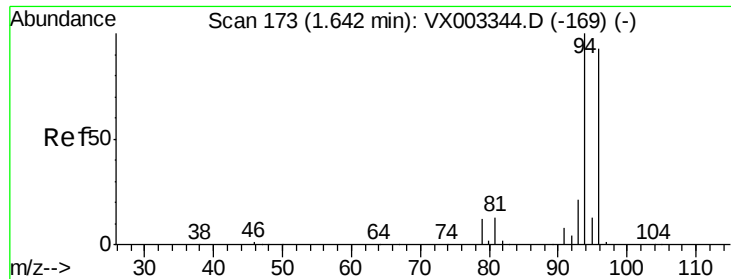
Tgt Ion: 62 Resp: 76362

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 19.80 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS01

Tot Ion: 94 Resp: 40262

Ion Ratio Lower Upper

94 100

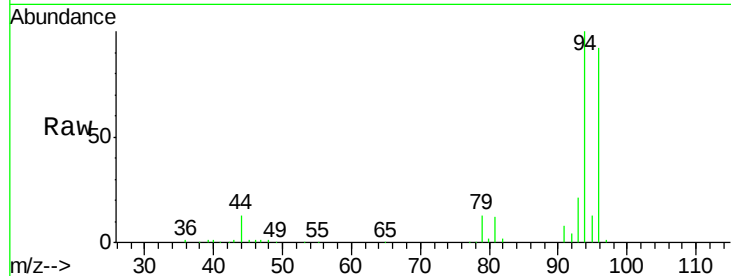
96 92.1 75.7 113.5

Manual Integrations

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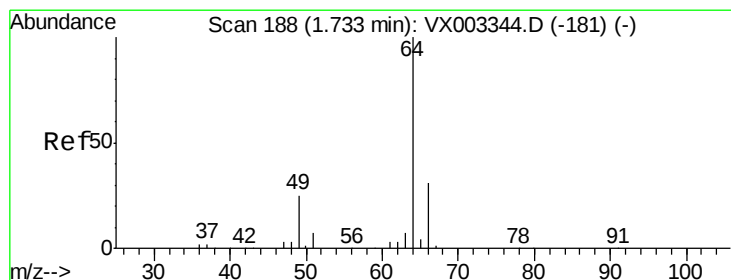
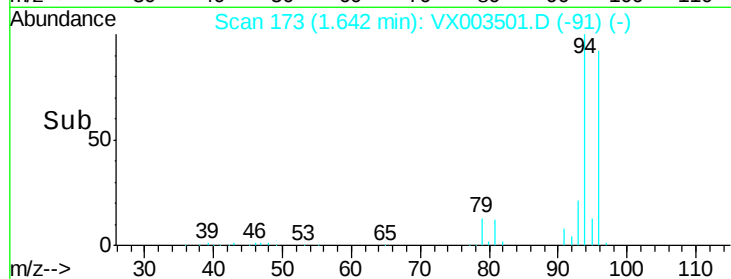
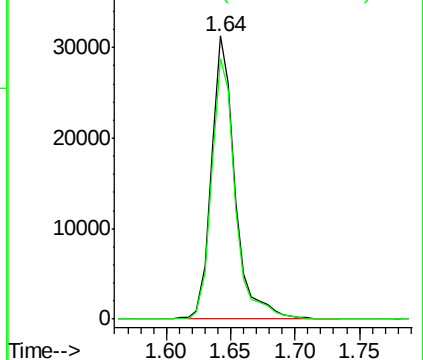
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 16.82 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX003501.D

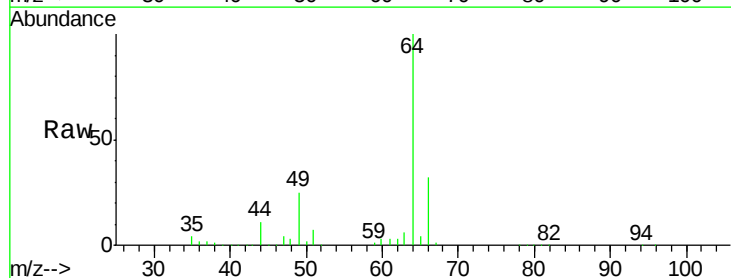
Acq: 20 Jul 2018 11:26

Tgt Ion: 64 Resp: 49187

Ion Ratio Lower Upper

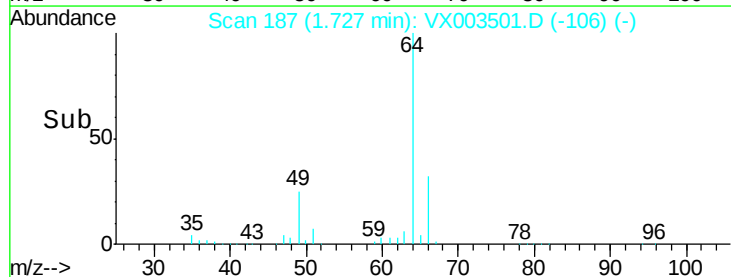
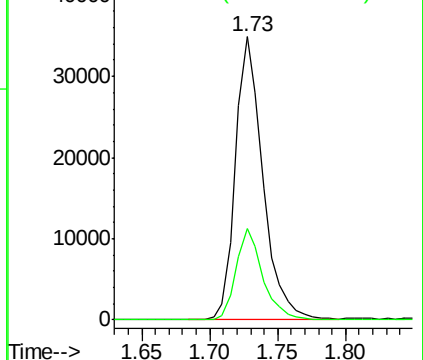
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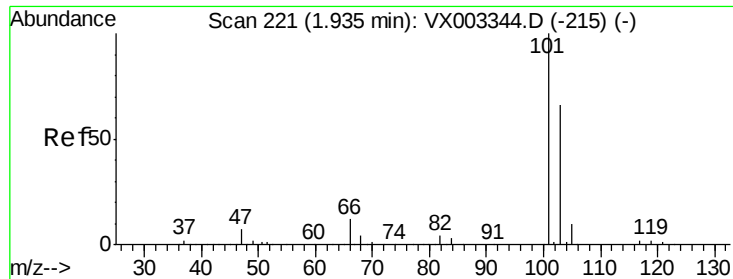
66 32.3 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

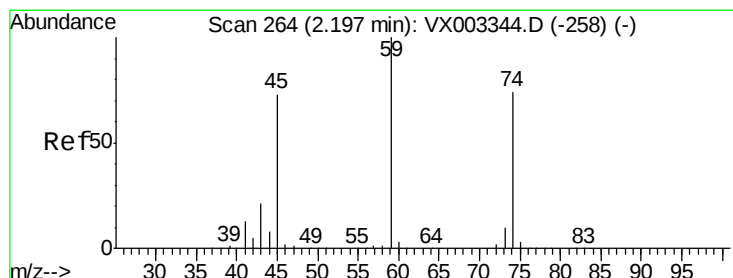
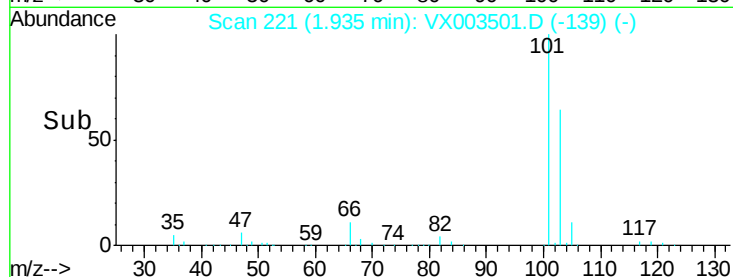
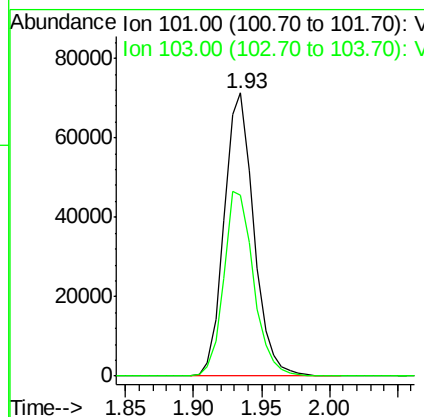
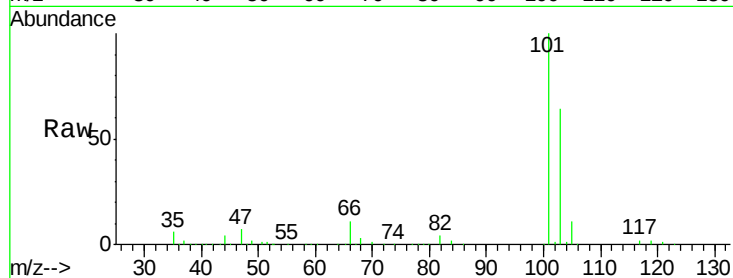
Trichlorofluoromethane
 Concen: 16.53 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
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 ClientSampleId :
 VX0720WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	108043		
103	63.9		51.5	77.3

Manual Integrations
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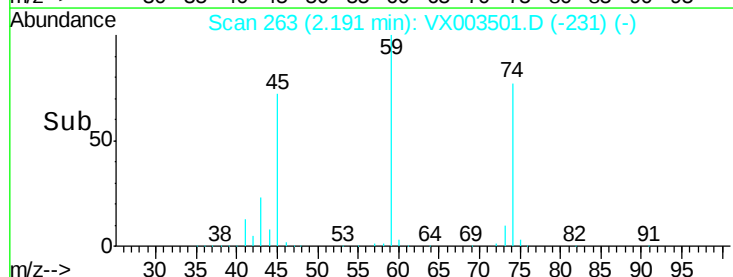
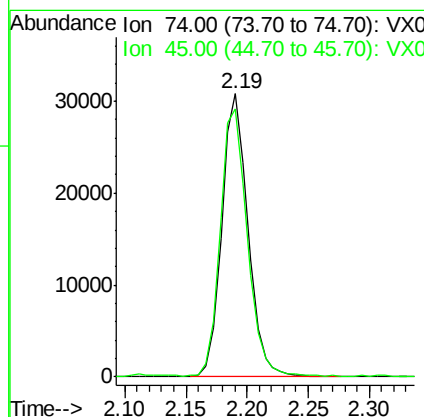
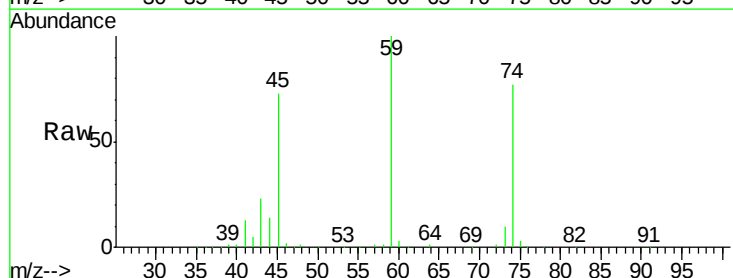
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 7/23/2018 12:34:41 PM

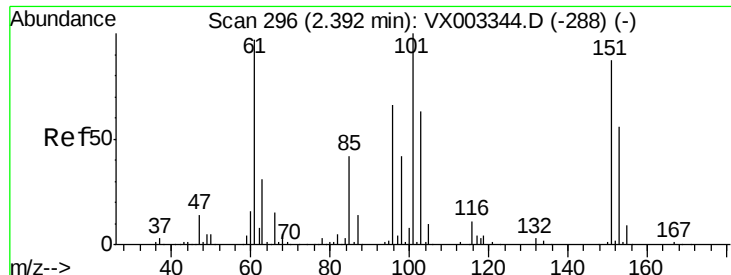


#8

Diethyl Ether
 Concen: 17.12 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	45758		
45	97.5		20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.03 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

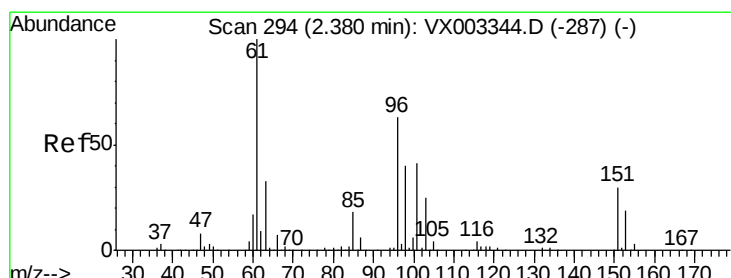
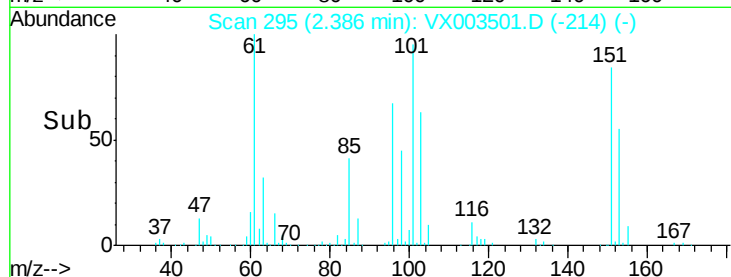
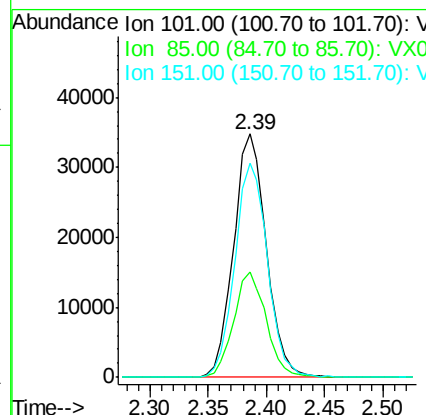
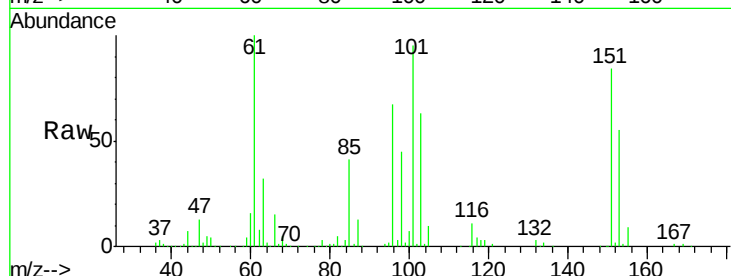
ClientSampleId :

VX0720WBS01

Tot Ion:	101	Resp:	68126
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	87.0
151	88.0	0.0	177.6

Manual Integrations
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7/23/2018 12:34:41 PM



#10

1,1-Dichloroethene

Concen: 17.04 ug/l

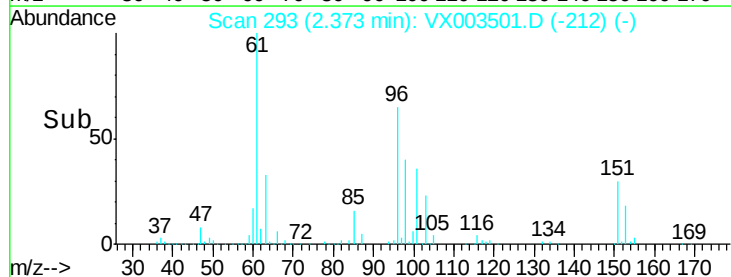
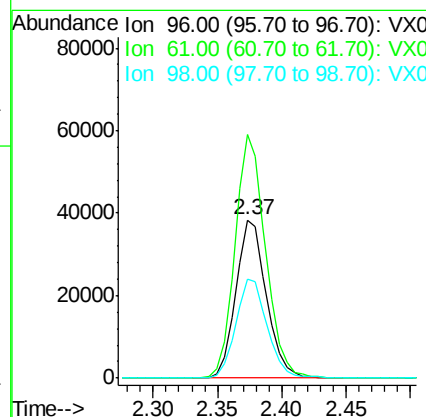
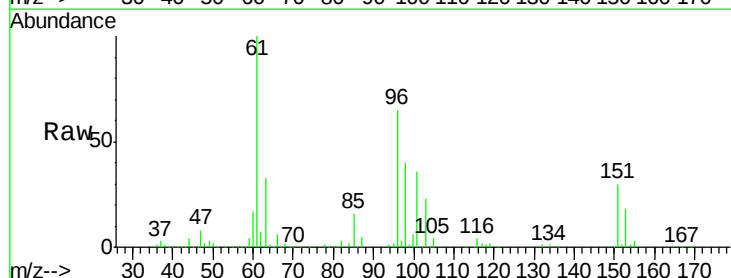
RT: 2.37 min Scan# 293

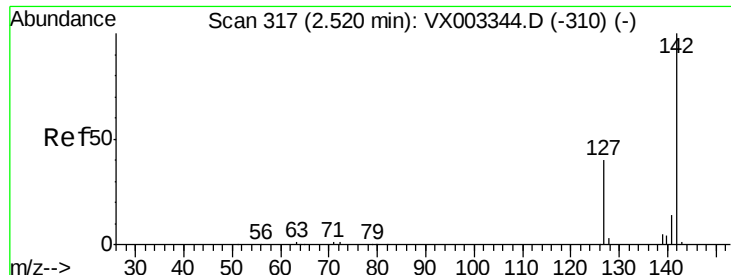
Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Tgt Ion:	96	Resp:	63255
Ion Ratio	Lower	Upper	
96	100		
61	154.2	137.5	206.3
98	62.3	51.4	77.2





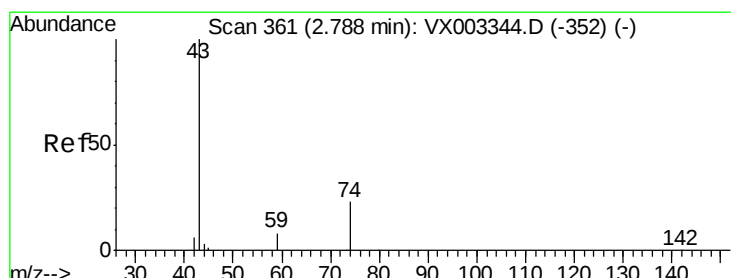
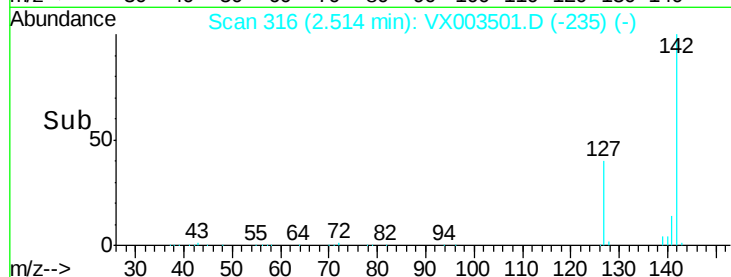
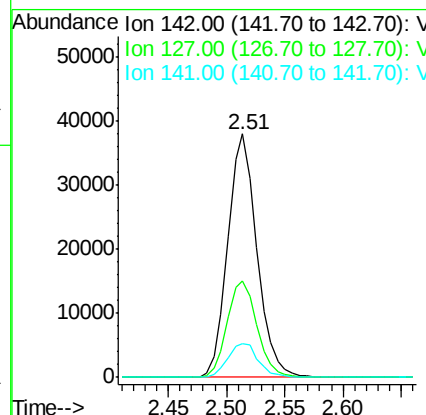
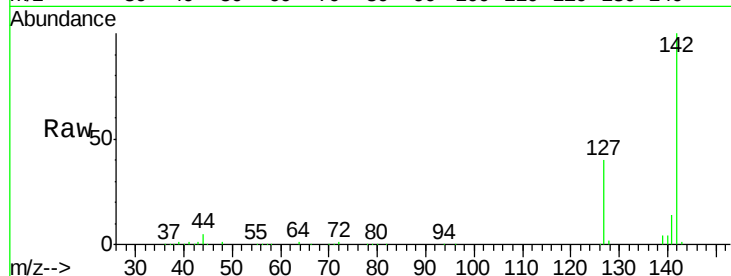
#11
Methyl Iodide
Concen: 20.22 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.8	23.2	69.6
141	14.0	7.4	22.2

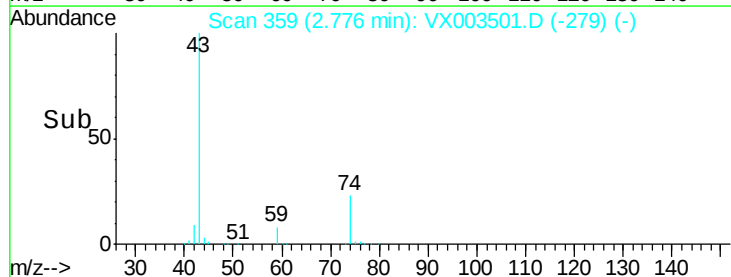
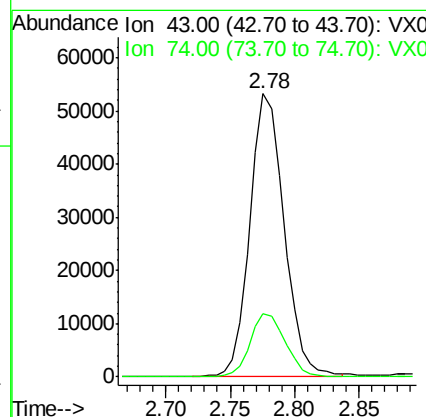
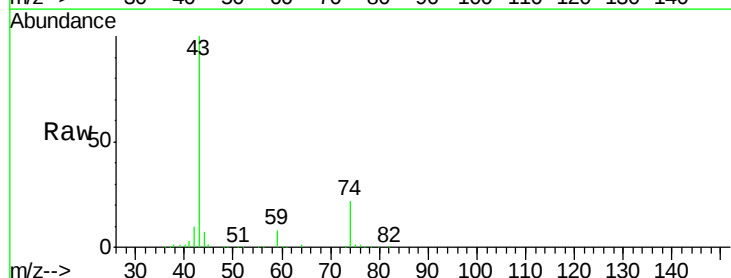
Manual Integrations
APPROVED

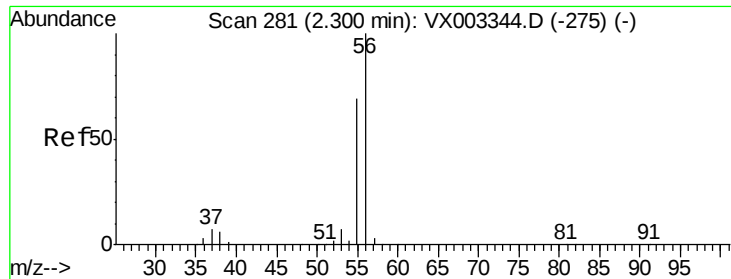
MMDadoda
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#12
Methyl Acetate
Concen: 16.03 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	16.4	24.6





#13

Acrolein

Concen: 69.72 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS01

Tot Ion: 56 Resp: 32648

Ion Ratio Lower Upper

56 100

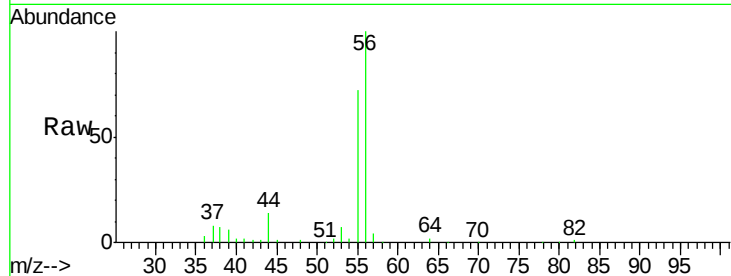
55 70.1 57.3 85.9

Manual Integrations

APPROVED

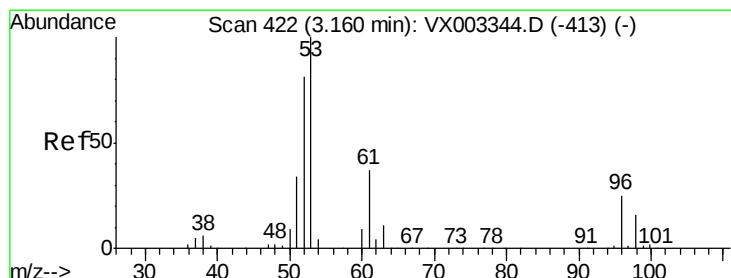
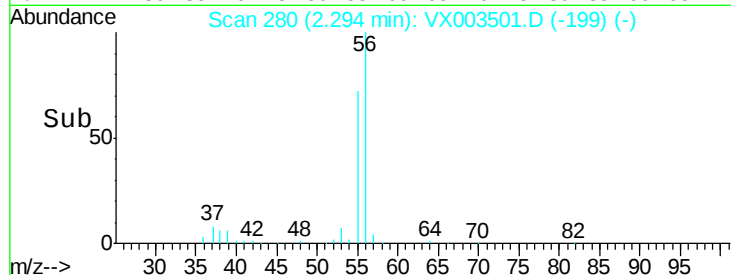
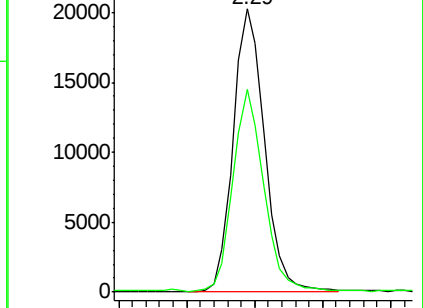
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 88.20 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

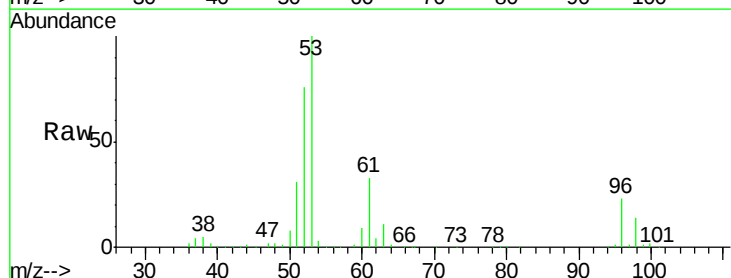
Tgt Ion: 53 Resp: 200027

Ion Ratio Lower Upper

53 100

52 80.8 41.5 124.6

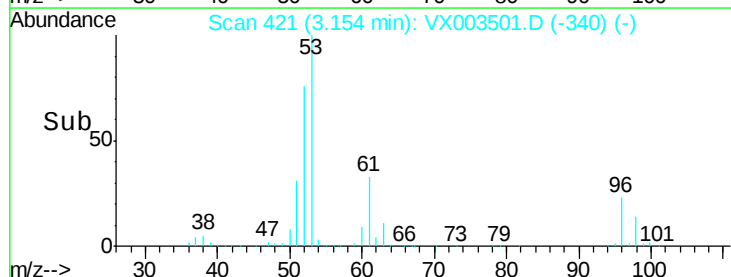
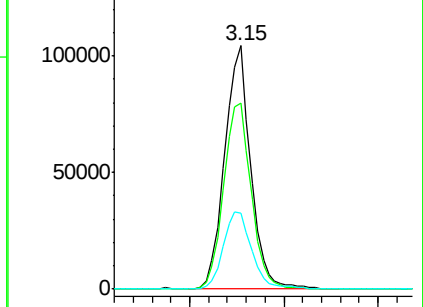
51 35.2 17.9 53.8

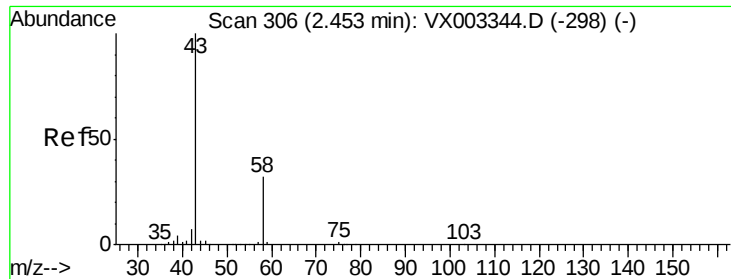


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 92.94 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0720WBS01

Tot Ion: 58 Resp: 55254

Ion Ratio Lower Upper

58 100

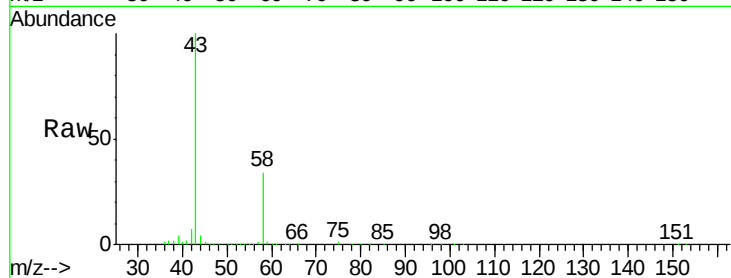
43 296.5 278.8 418.2

Manual Integrations

APPROVED

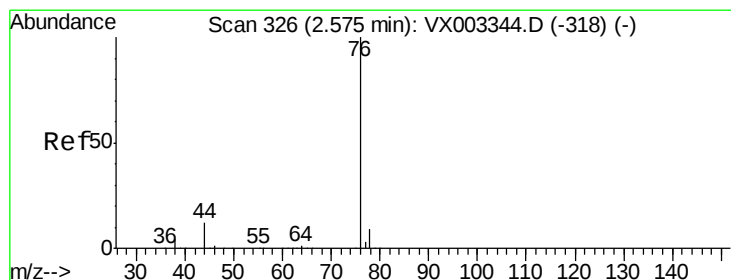
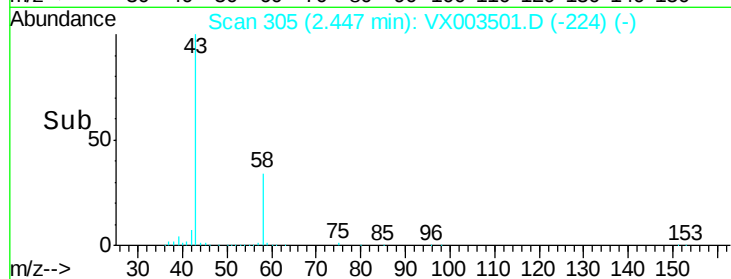
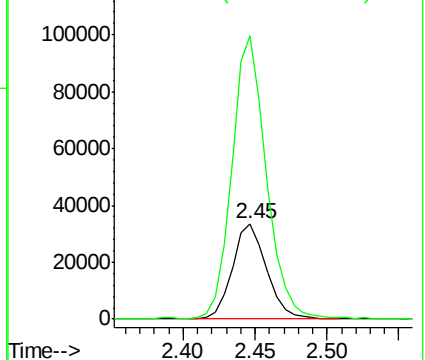
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 16.44 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX003501.D

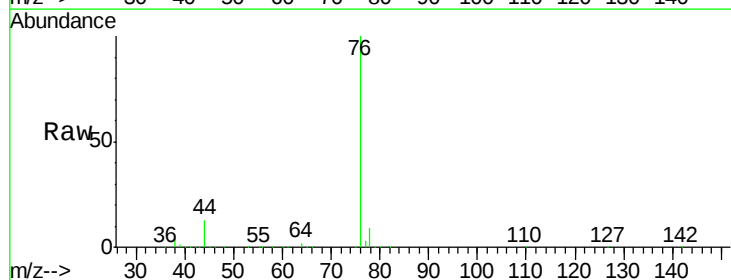
Acq: 20 Jul 2018 11:26

Tgt Ion: 76 Resp: 174262

Ion Ratio Lower Upper

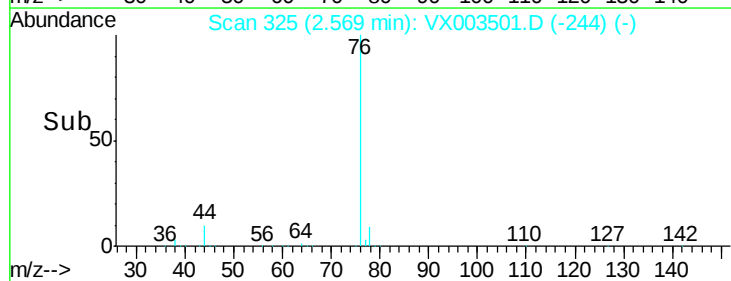
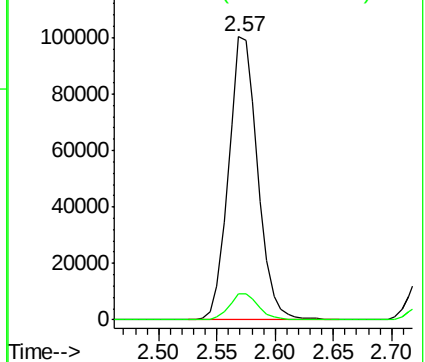
76 100

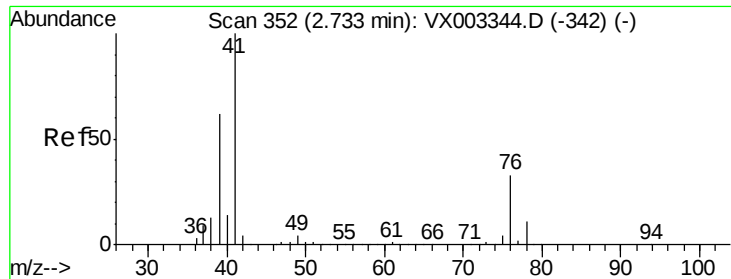
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 17.30 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

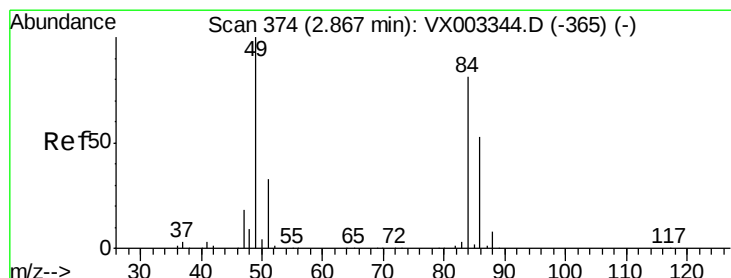
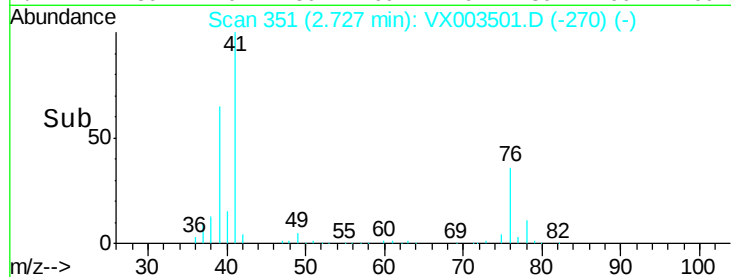
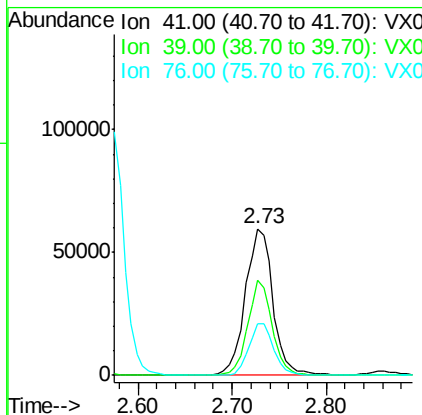
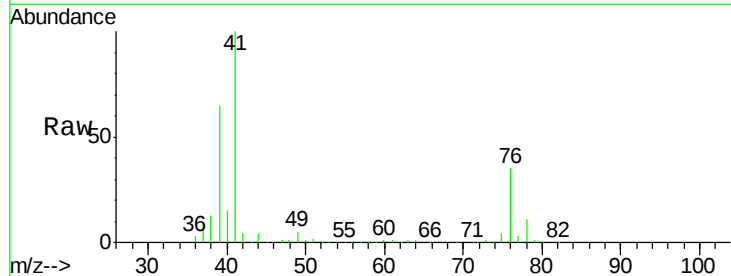
ClientSampleId :

VX0720WBS01

Tot Ion:	41	Resp:	122119
Ion Ratio	Lower	Upper	
41	100		
39	64.5	34.6	103.8
76	35.4	15.0	45.1

Manual Integrations
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#18

Methylene Chloride

Concen: 17.10 ug/l

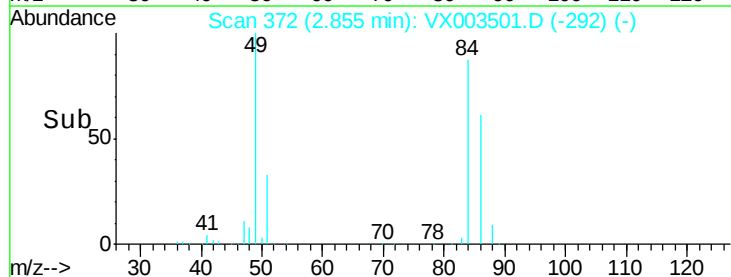
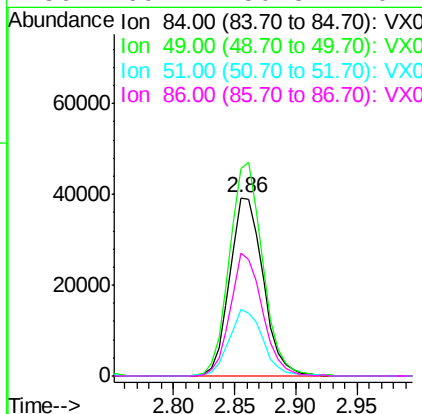
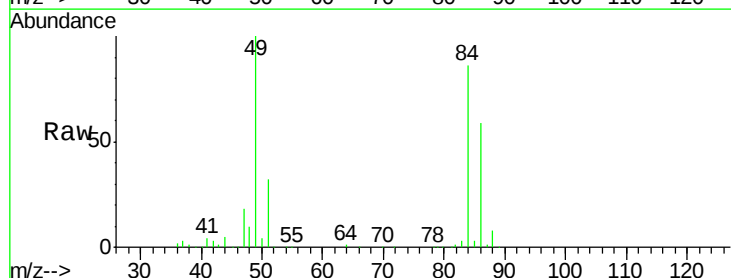
RT: 2.86 min Scan# 372

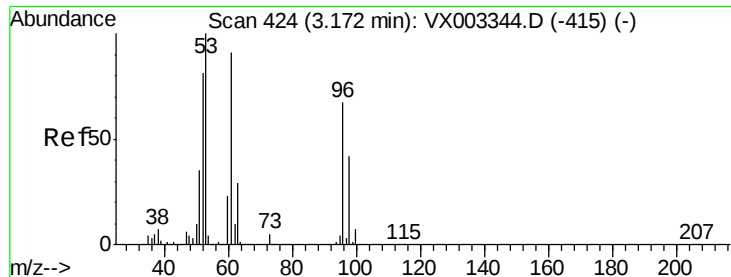
Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Tgt Ion:	84	Resp:	74471
Ion Ratio	Lower	Upper	
84	100		
49	116.8	104.7	157.1
51	37.1	31.0	46.4
86	69.1	50.8	76.2





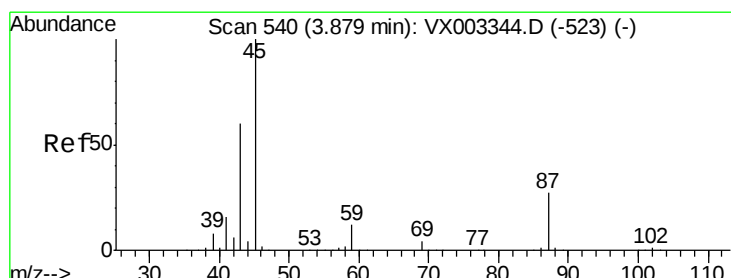
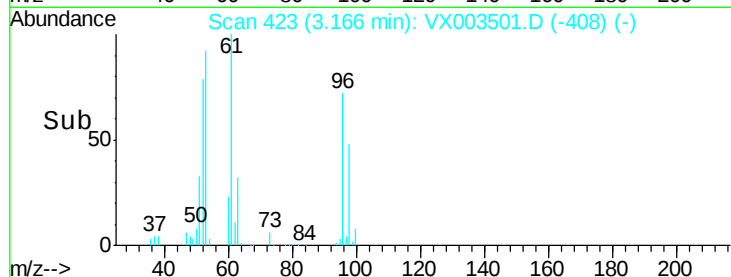
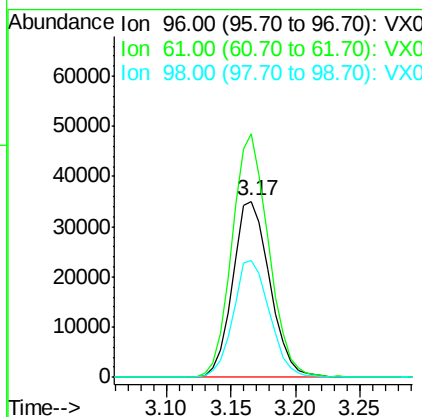
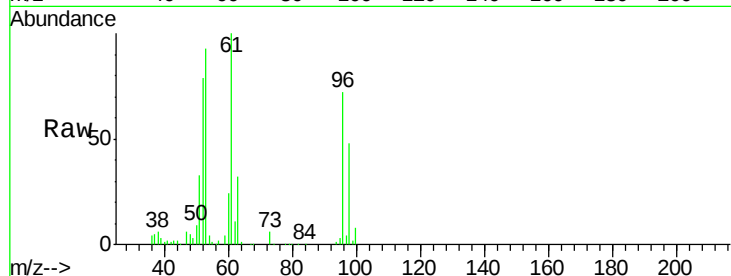
#19
trans-1,2-Dichloroethene
Concen: 17.52 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.0	114.6	172.0
98	66.0	51.3	76.9

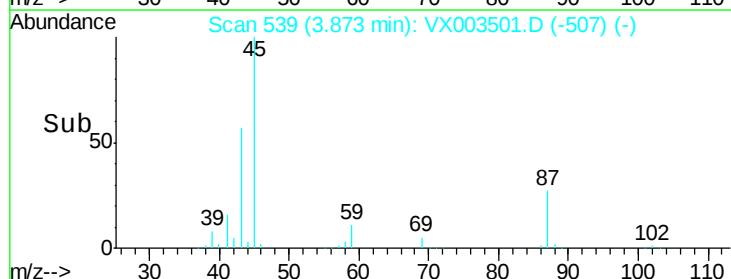
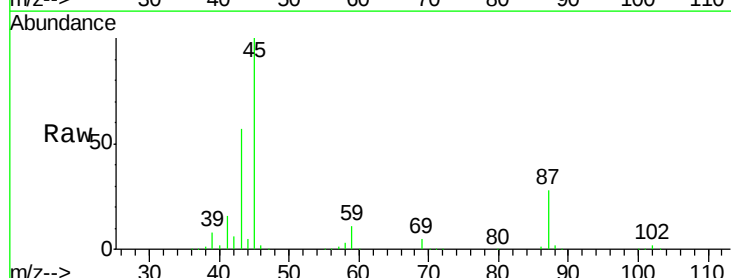
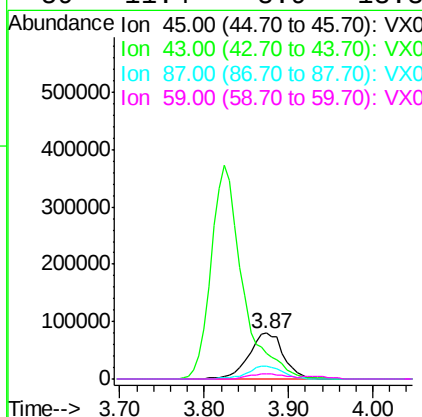
Manual Integrations
APPROVED

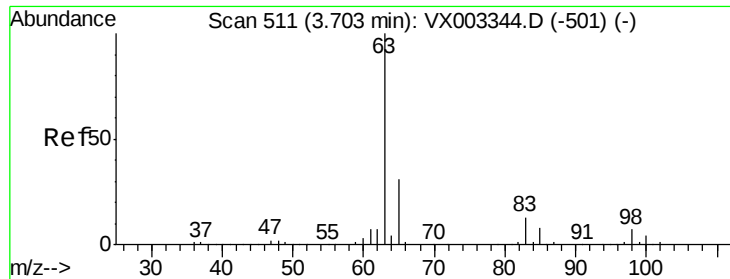
MMDadoda
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#20
Diisopropyl ether
Concen: 17.66 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	45.6	68.4
87	27.9	20.7	31.1
59	11.4	8.9	13.3





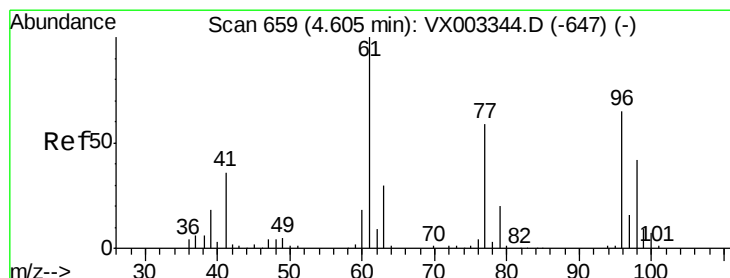
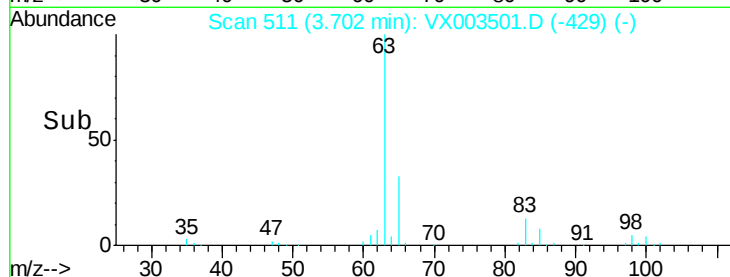
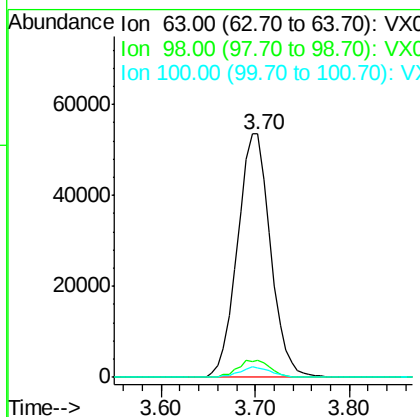
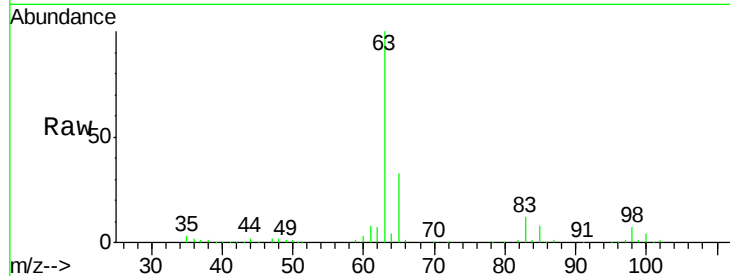
#21
 1,1-Dichloroethane
 Concen: 17.52 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	131087		
98	7.1		3.1	9.3
100	3.9		2.2	6.6

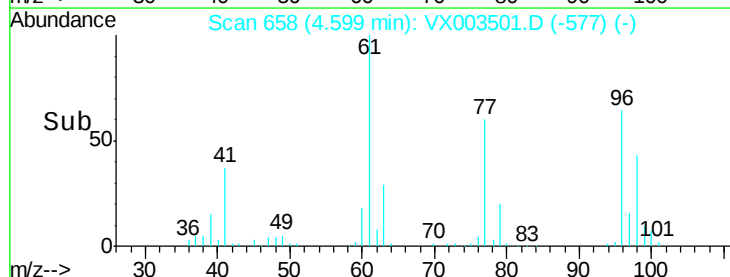
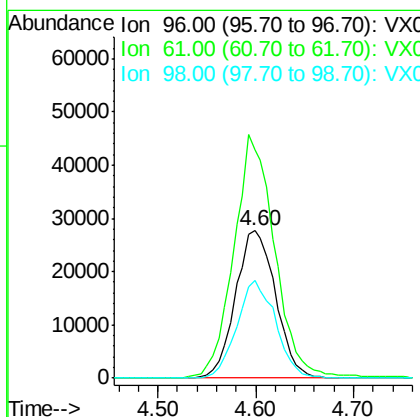
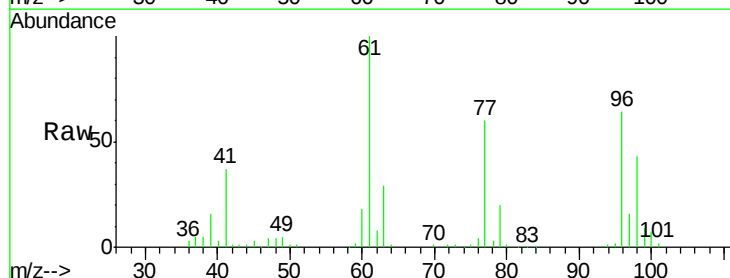
Manual Integrations
 APPROVED

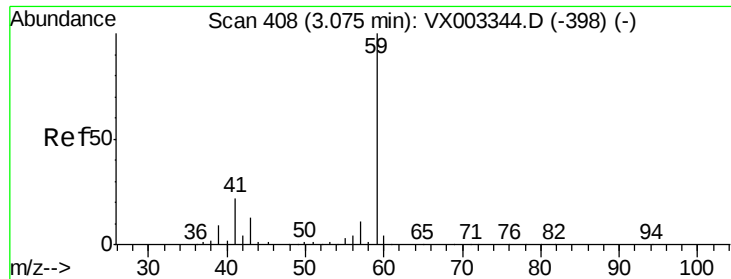
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#22
 cis-1,2-Dichloroethene
 Concen: 18.49 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	78689		
61	166.8		160.2	240.2
98	64.3		54.1	81.1





#23

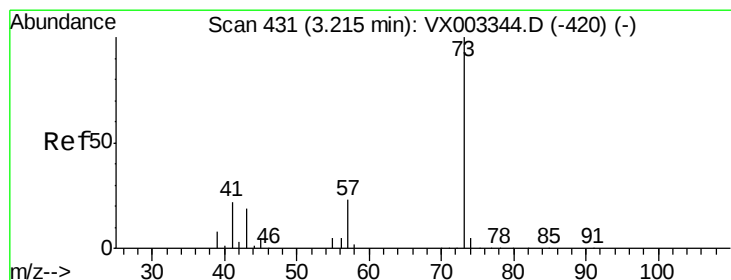
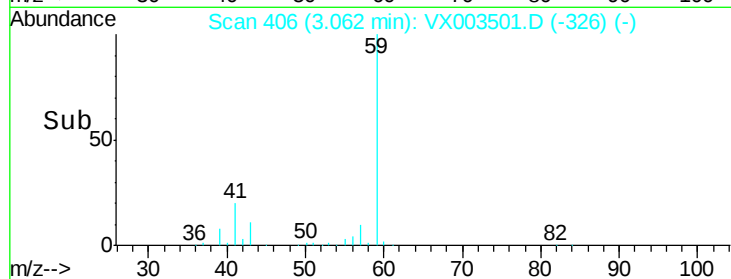
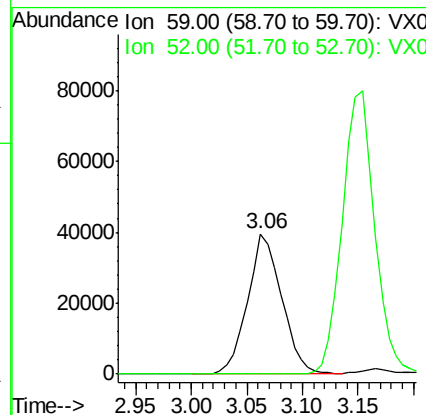
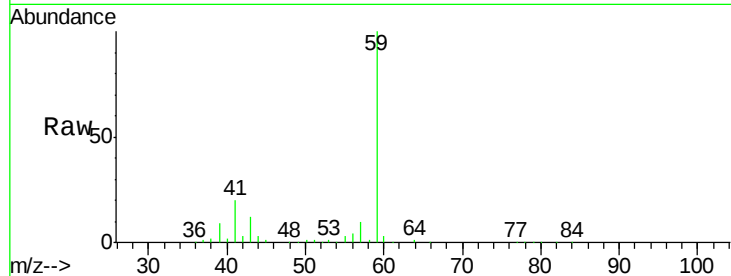
tert-Butyl Alcohol
 Concen: 89.85 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Tot Ion	59	52	Ratio	Lower	Upper
84604	100	0.3		0.2	0.2#

Manual Integrations
 APPROVED

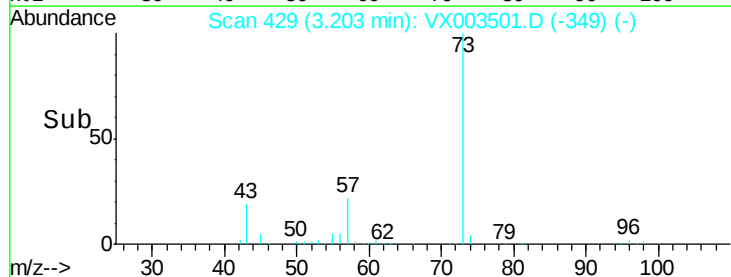
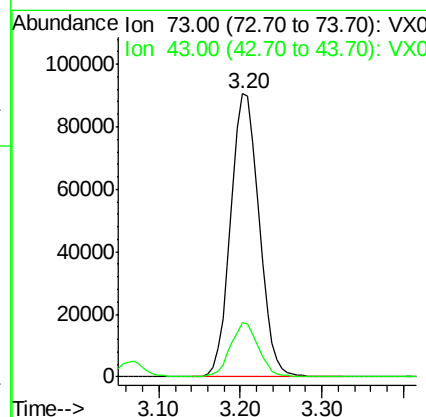
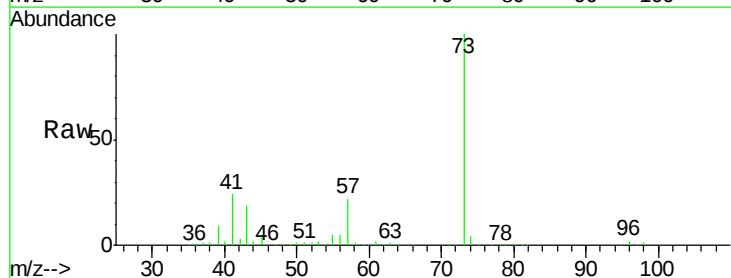
MMDadoda
 7/23/2018 12:34:41 PM

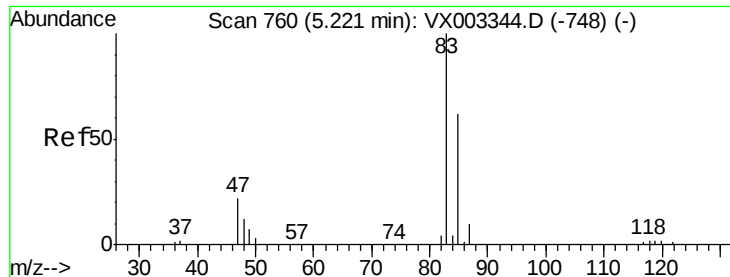


#24

Methyl tert-Butyl Ether
 Concen: 17.60 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion	73	43	Ratio	Lower	Upper
218156	100	18.6		19.0	28.4#





#25

Chloroform

Concen: 18.41 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS01

Tot Ion: 83 Resp: 124051

Ion Ratio Lower Upper

83 100

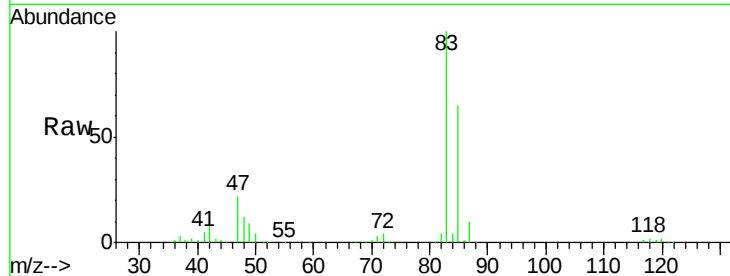
85 64.5 51.9 77.9

Manual Integrations

APPROVED

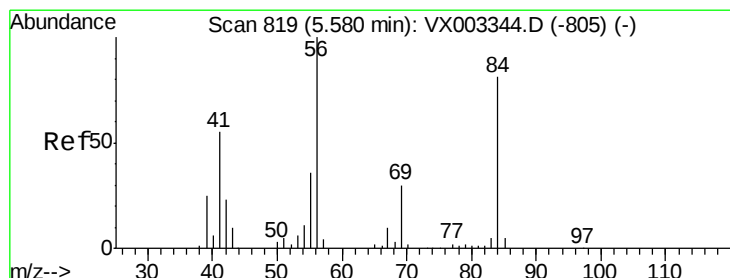
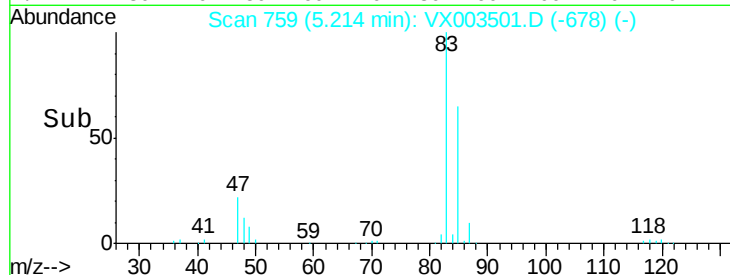
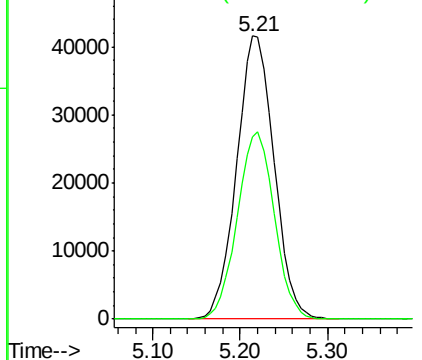
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 18.68 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

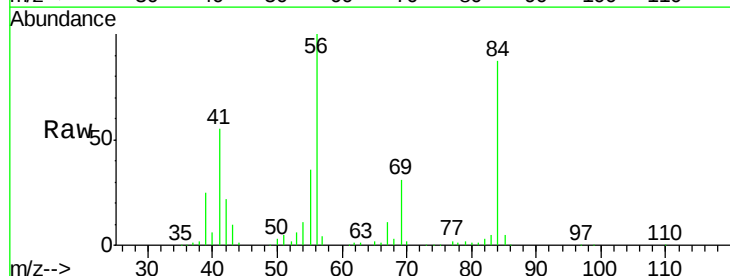
Tgt Ion: 56 Resp: 109127

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

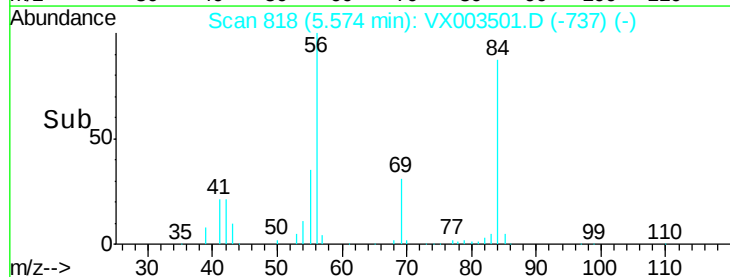
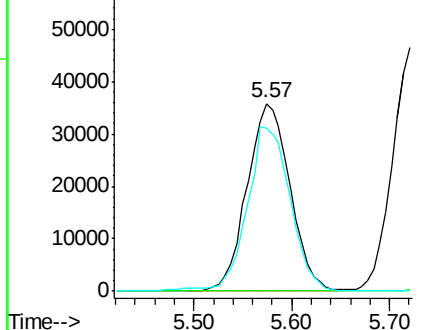
84 86.9 64.9 97.3

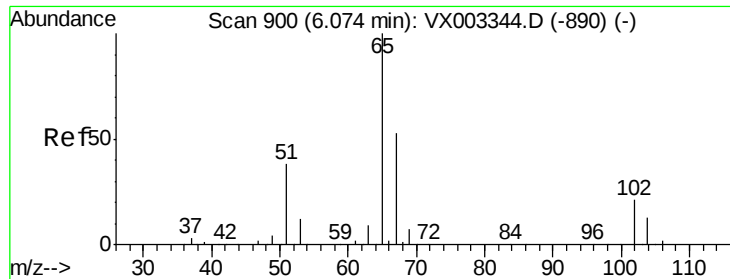


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.00 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0720WBS01

Tot Ion: 65 Resp: 118208

Ion Ratio Lower Upper

65 100

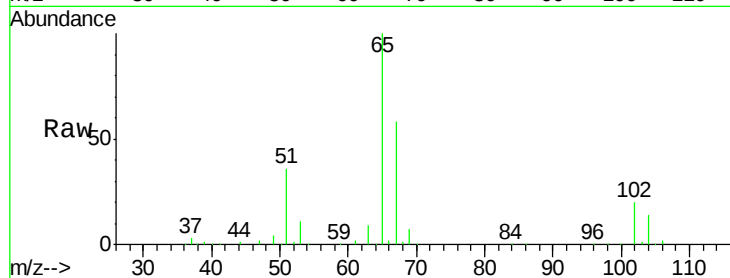
67 54.8 40.9 61.3

Manual Integrations

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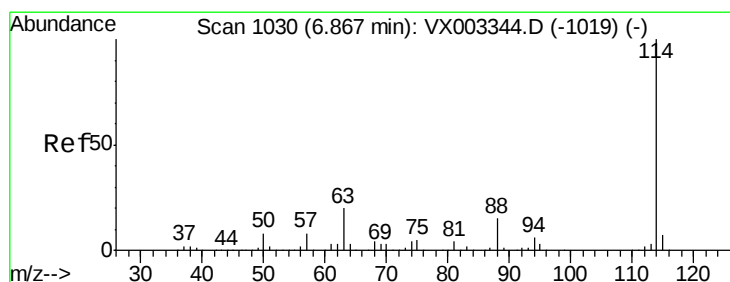
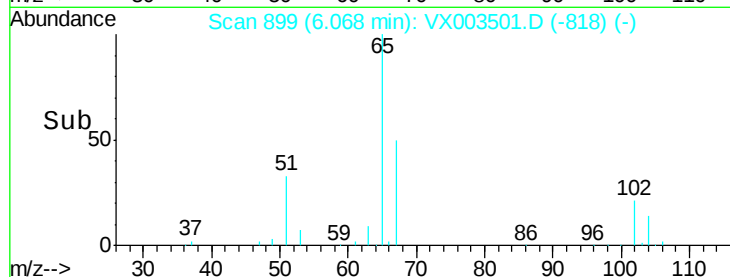
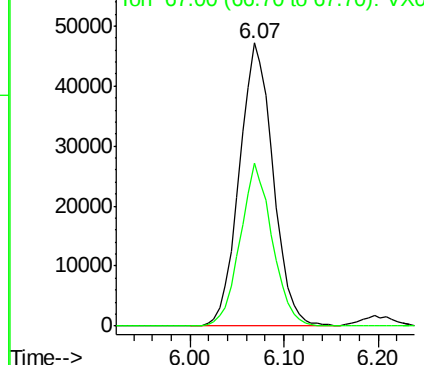
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

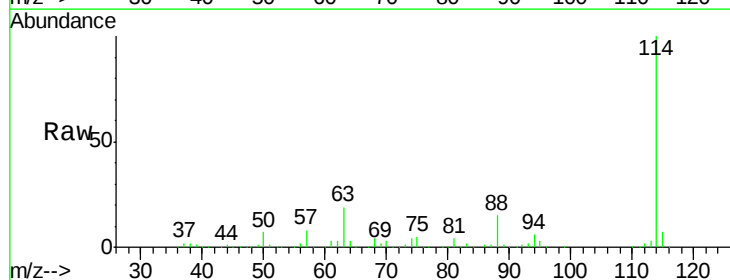
Tgt Ion: 114 Resp: 320311

Ion Ratio Lower Upper

114 100

63 19.2 17.1 25.7

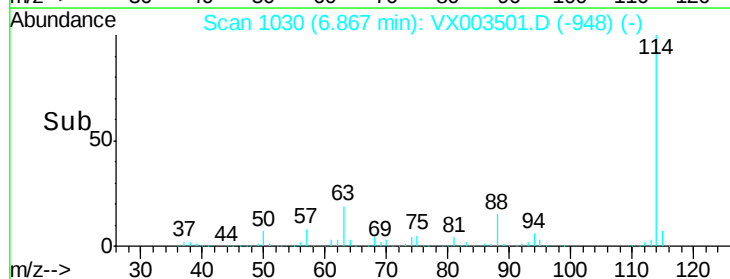
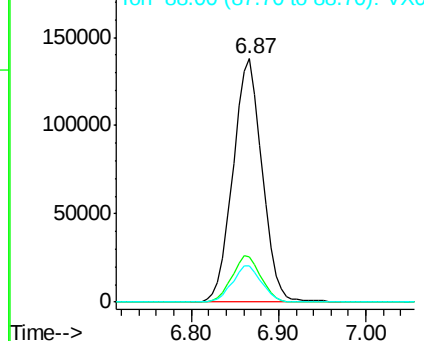
88 15.1 12.6 19.0

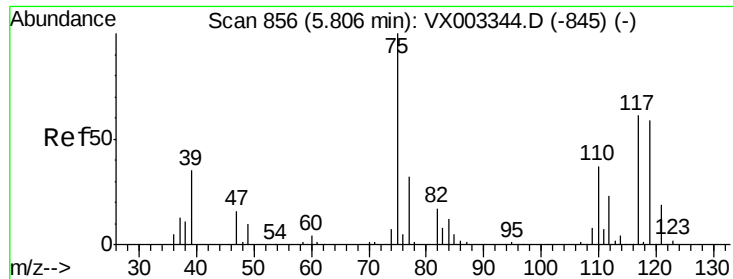


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 18.44 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

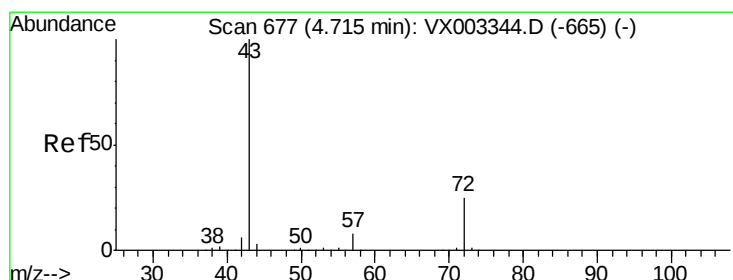
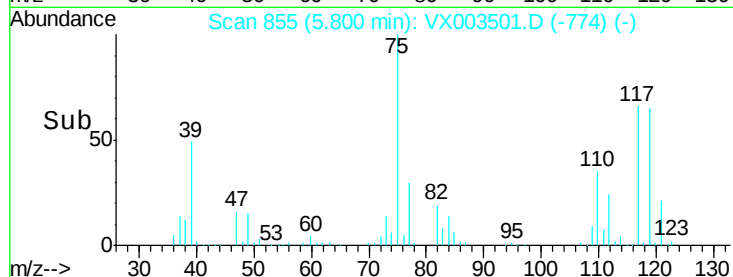
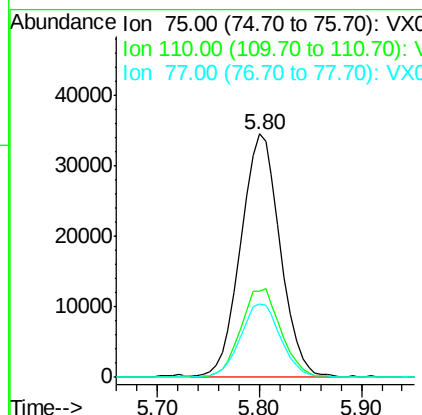
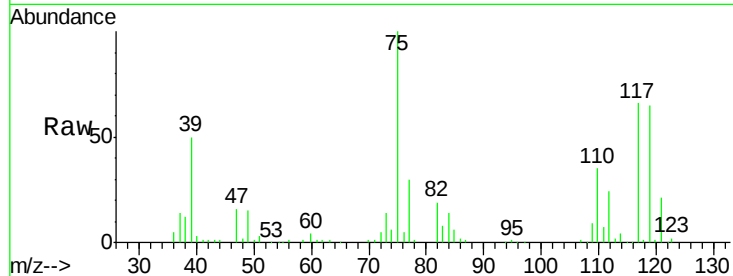
ClientSampleId :

VX0720WBS01

Tot Ion:	75	Resp:	93126
Ion Ratio	Lower	Upper	
75	100		
110	37.1	0.0	71.4
77	30.8	0.0	60.6

Manual Integrations
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#30

2-Butanone

Concen: 90.73 ug/l

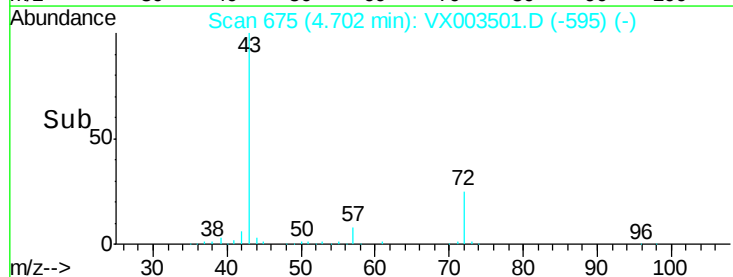
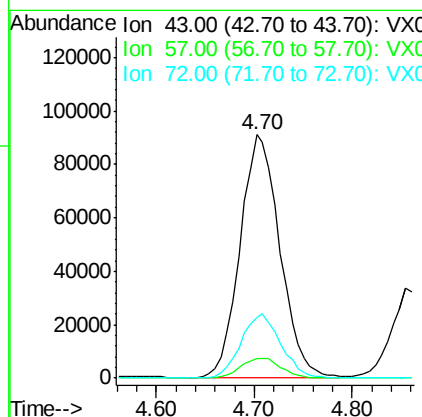
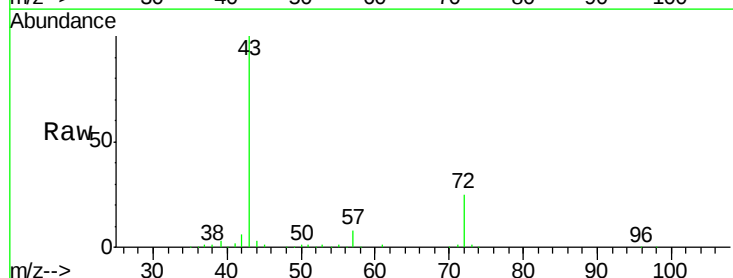
RT: 4.70 min Scan# 675

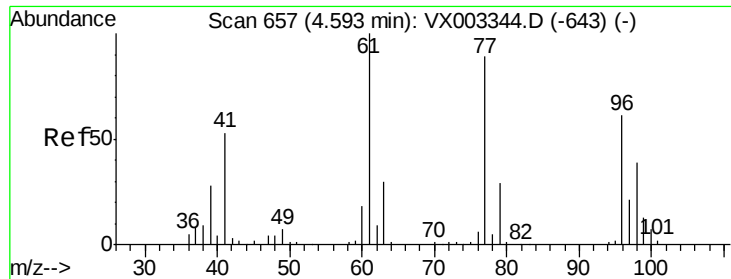
Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Tgt Ion:	43	Resp:	256030
Ion Ratio	Lower	Upper	
43	100		
57	8.6	6.1	9.1
72	26.5	18.1	27.1





#31

2,2-Dichloropropane

Concen: 17.52 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS01

Tot Ion: 77 Resp: 95541

Ion Ratio Lower Upper

77 100

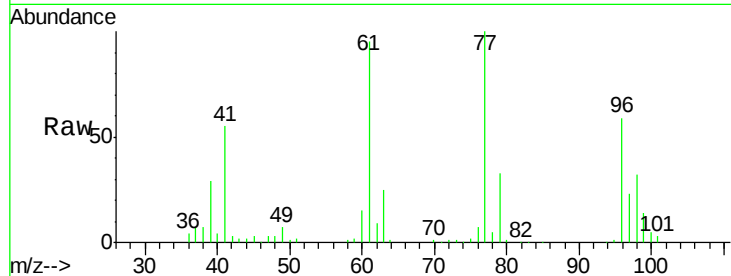
97 25.0 18.7 28.1

Manual Integrations

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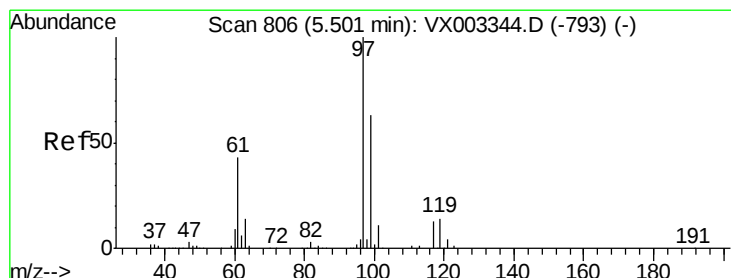
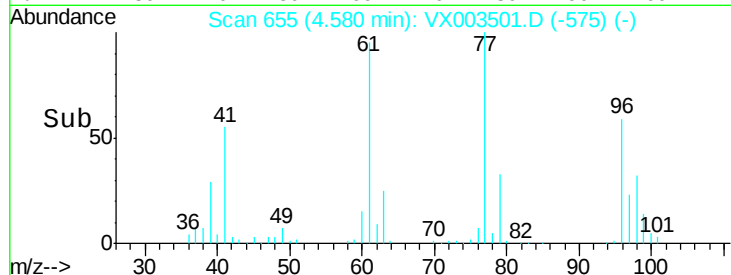
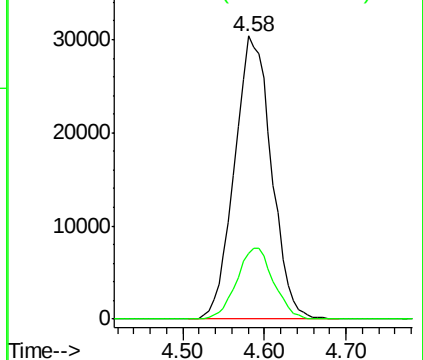
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Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.29 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

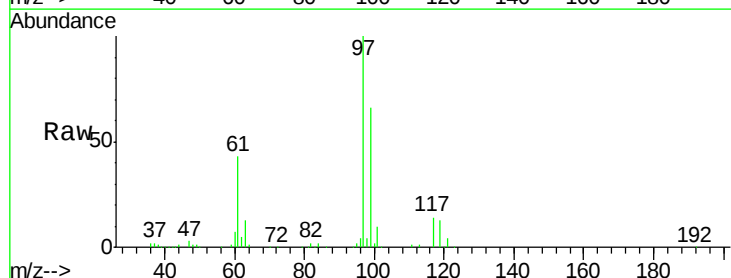
Tgt Ion: 97 Resp: 104568

Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

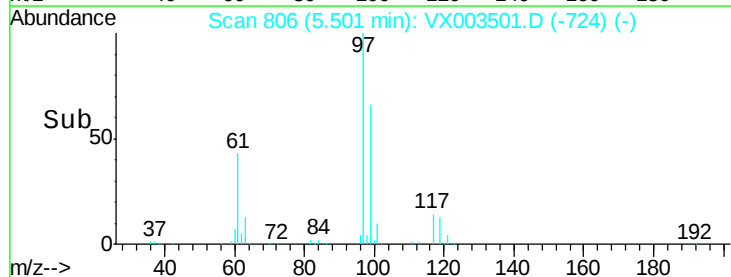
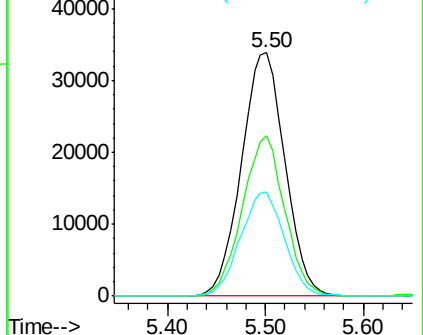
61 43.2 36.4 54.6

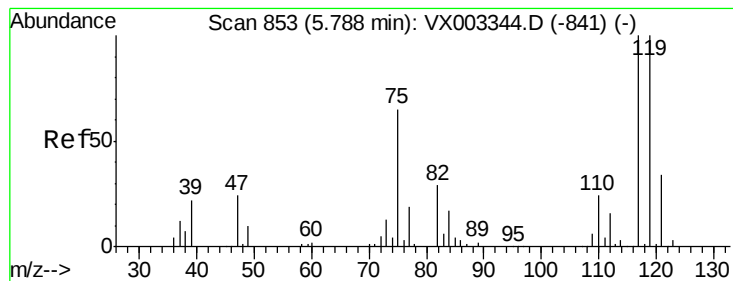


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 18.51 ug/l

RT: 5.79 min Scan# 854

Delta R.T. 0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

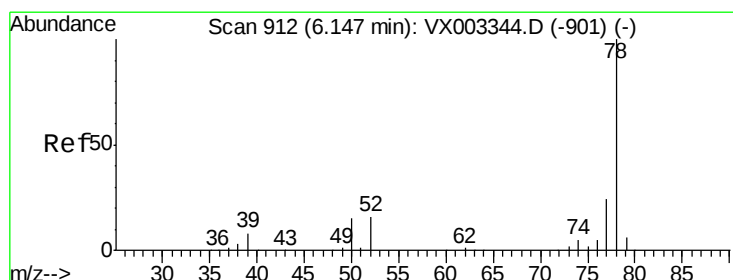
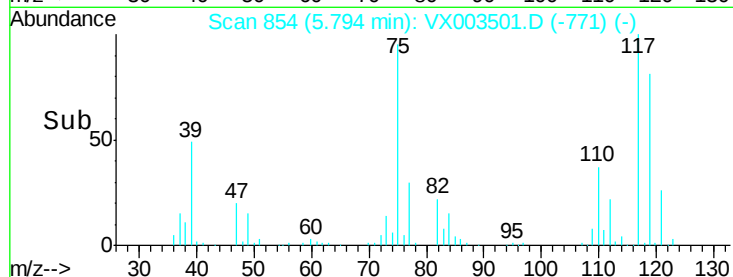
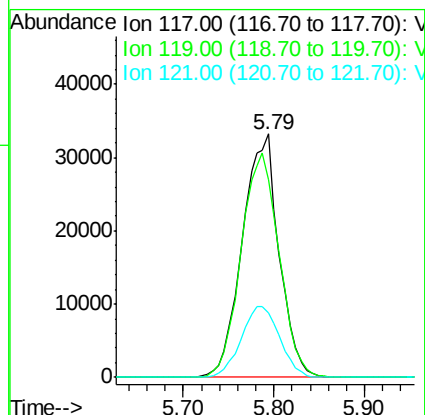
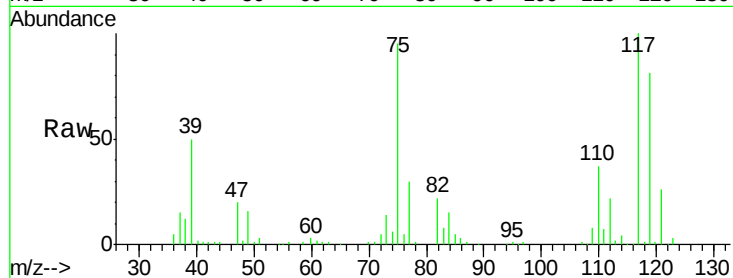
ClientSampleId :

VX0720WBS01

Tot Ion:	117	Resp:	92909
Ion	Ratio	Lower	Upper
117	100		
119	81.1	73.3	109.9
121	26.5	23.6	35.4

Manual Integrations
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#34

Benzene

Concen: 19.09 ug/l

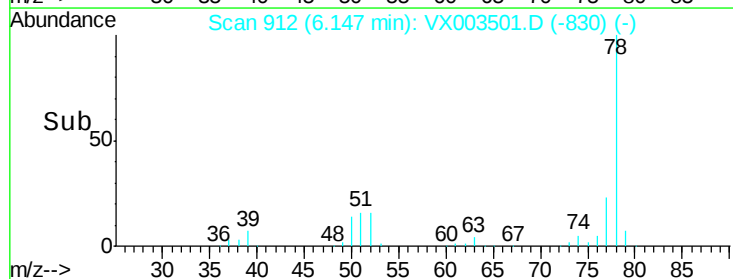
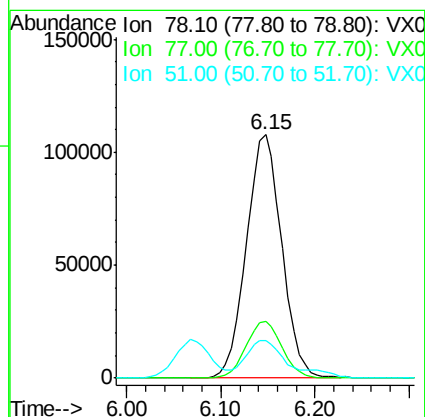
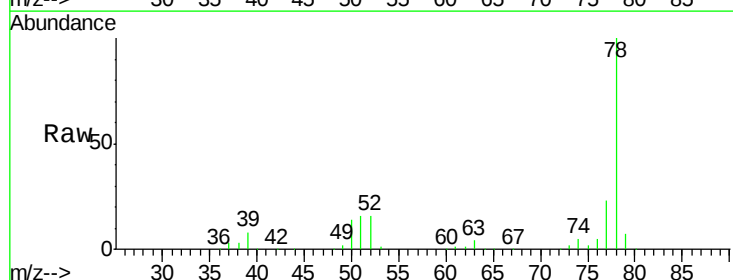
RT: 6.15 min Scan# 912

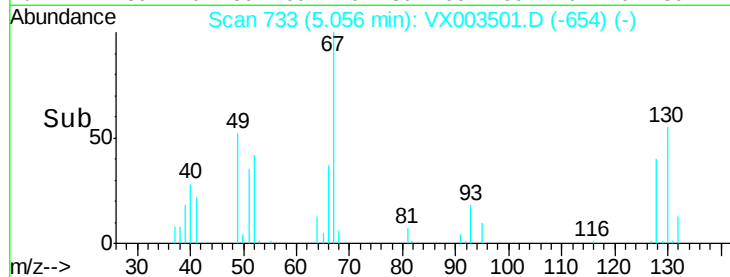
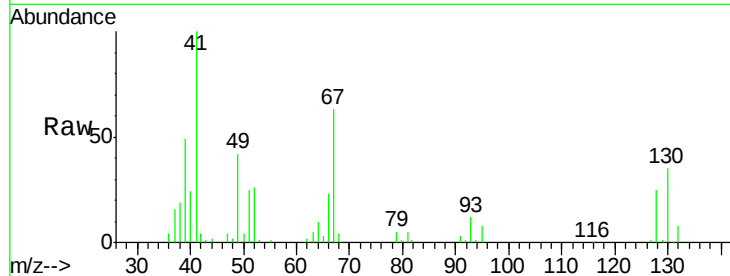
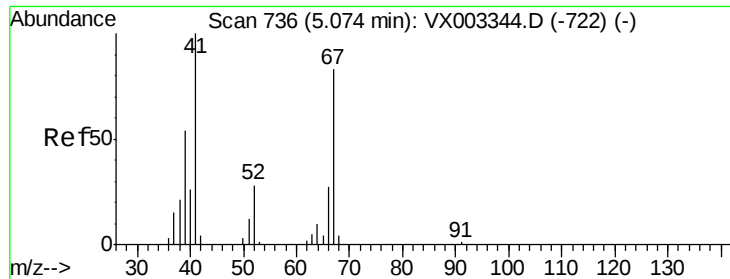
Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Tgt Ion:	78	Resp:	283943
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0
51	14.6	13.8	20.6





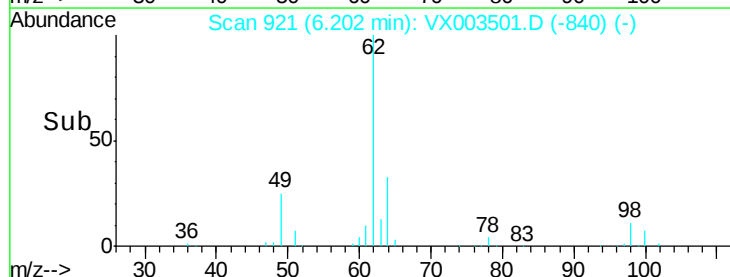
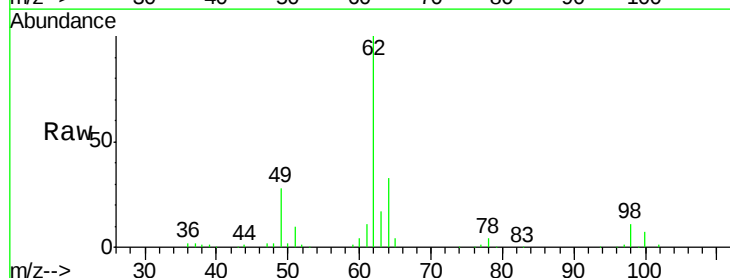
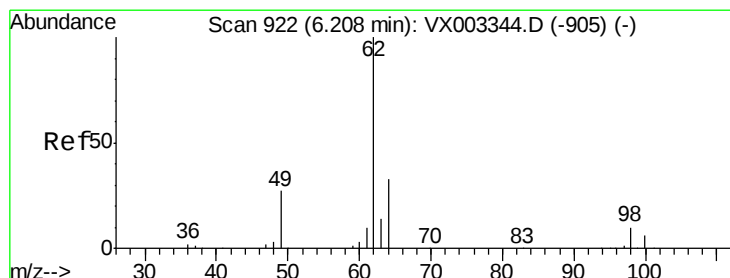
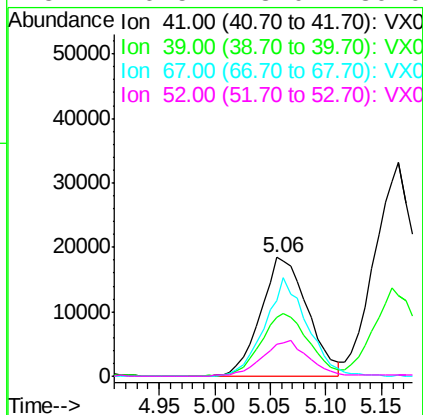
#35
Methacrylonitrile
Concen: 18.21 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.02 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	49.0	28.8	86.5		
67	63.2	30.4	91.2		
52	26.5	13.0	39.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

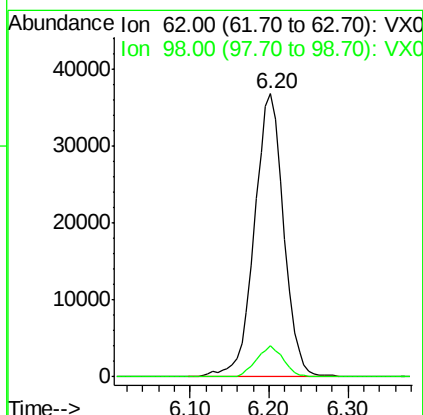
Manual Integrations
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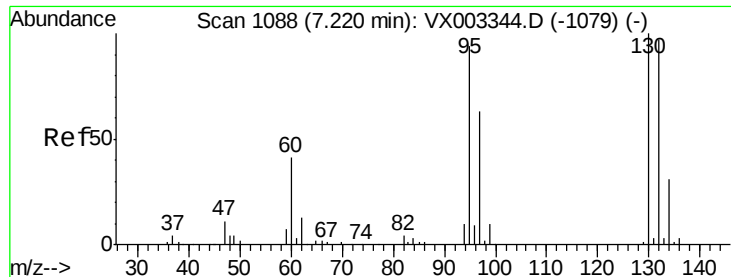
MMDadoda
7/23/2018 12:34:41 PM



#36
1,2-Dichloroethane
Concen: 18.42 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.0	6.5	9.7#		





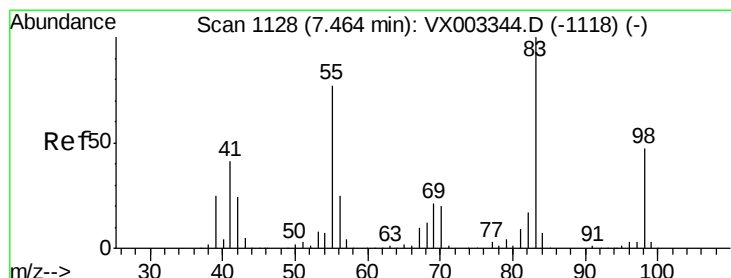
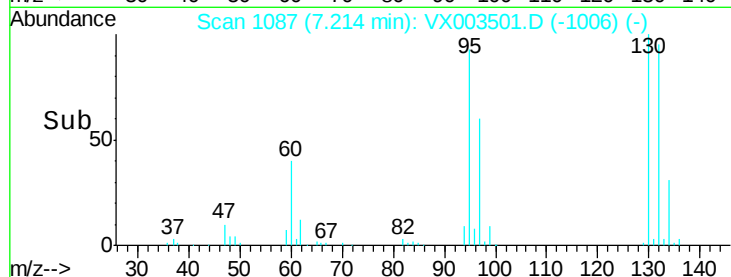
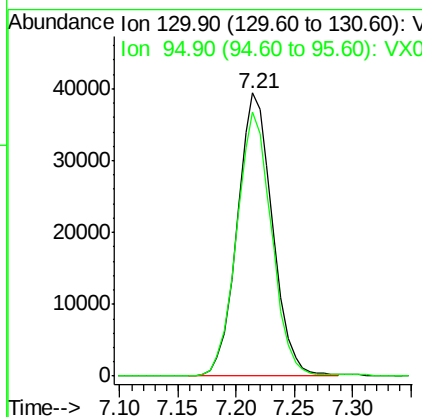
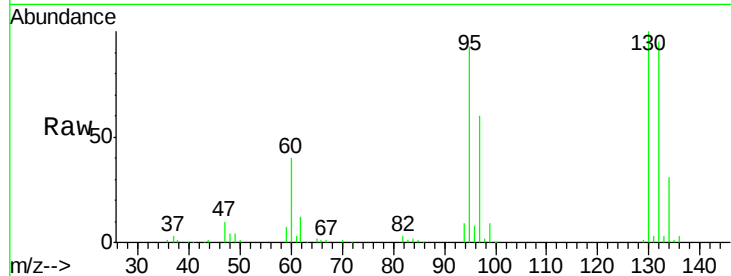
#37
 Trichloroethene
 Concen: 20.17 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Tot Ion:130 Resp: 82953
 Ion Ratio Lower Upper
 130 100
 95 93.5 81.5 122.3

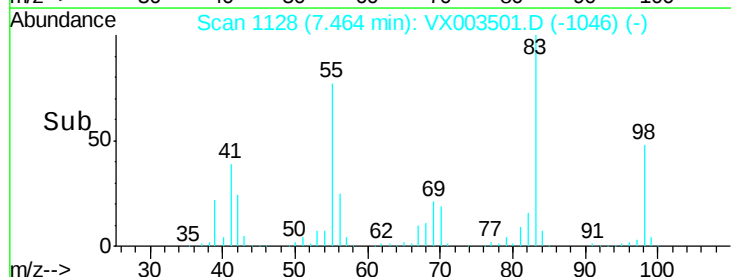
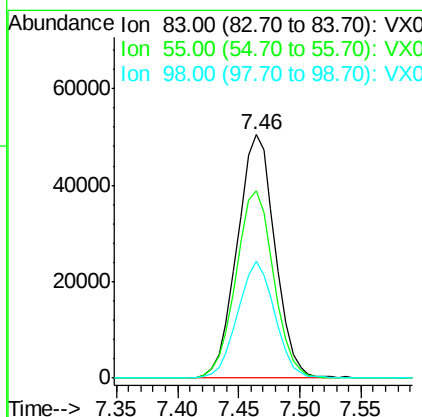
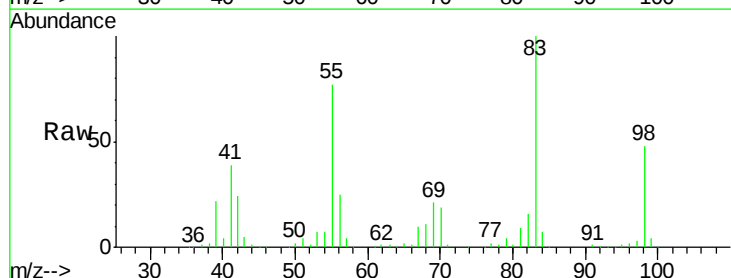
Manual Integrations
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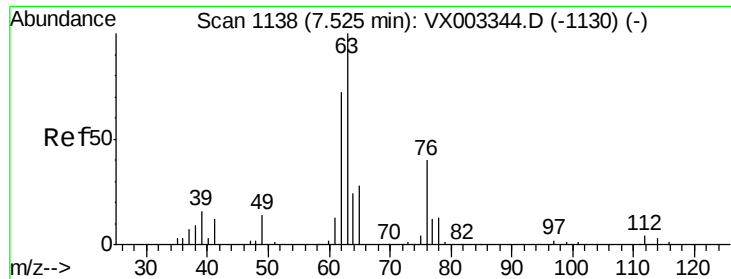
MMDadoda
 7/23/2018 12:34:41 PM



#38
 Methylcyclohexane
 Concen: 18.97 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion: 83 Resp: 108280
 Ion Ratio Lower Upper
 83 100
 55 76.9 40.6 121.8
 98 47.3 23.5 70.5





#39

1,2-Dichloropropane

Concen: 19.34 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS01

Tot Ion: 63 Resp: 74336

Ion Ratio Lower Upper

63 100

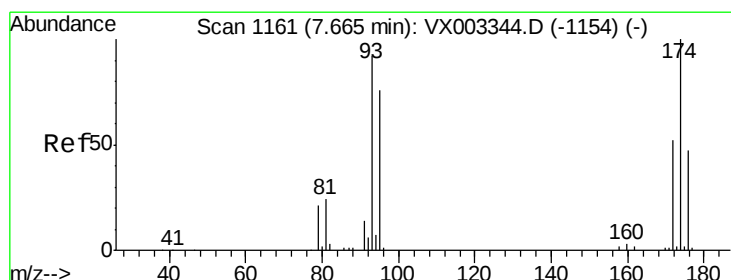
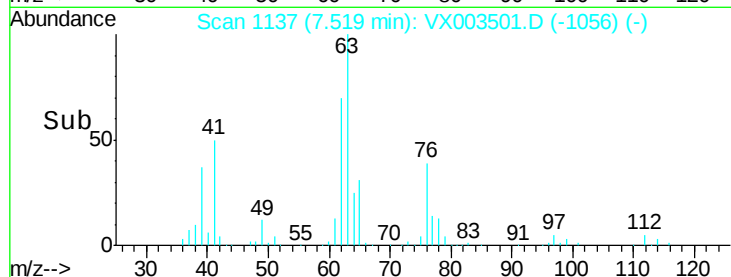
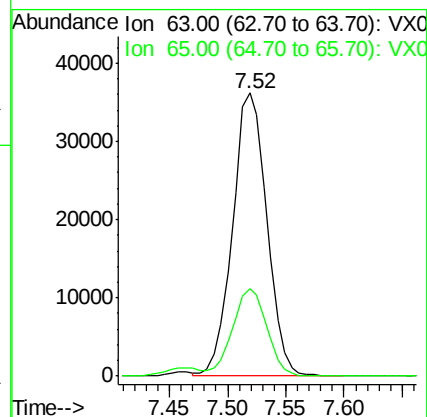
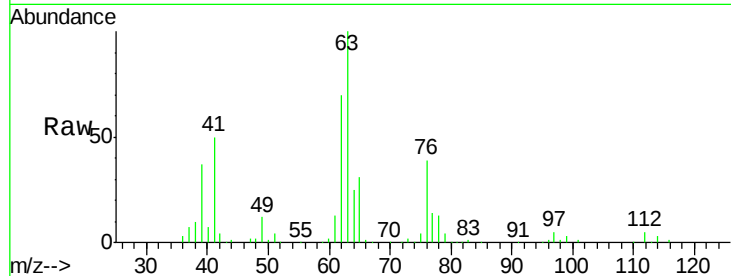
65 31.1 23.3 34.9

Manual Integrations

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#40

Dibromomethane

Concen: 18.83 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

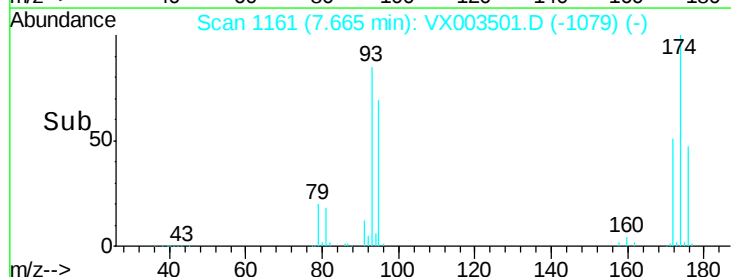
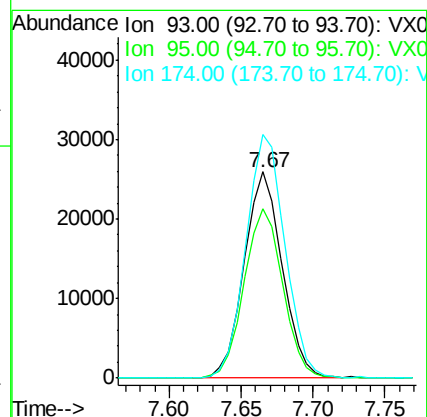
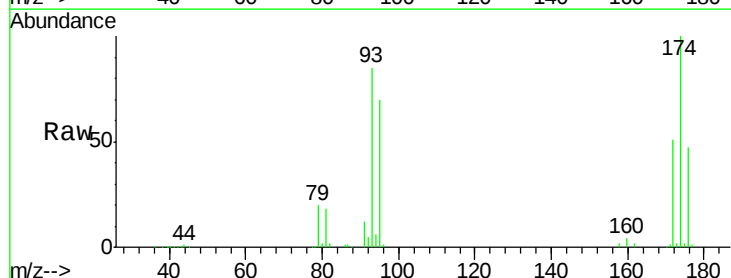
Tgt Ion: 93 Resp: 47525

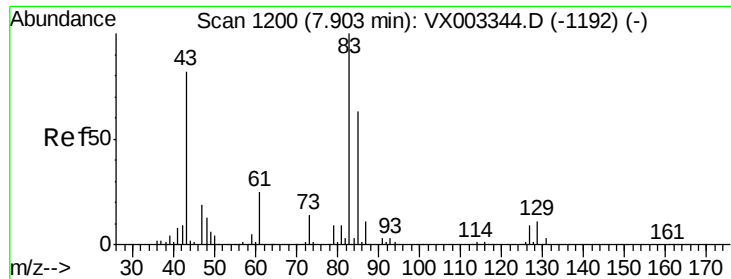
Ion Ratio Lower Upper

93 100

95 83.8 0.0 162.6

174 121.0 0.0 229.4





#41

Bromodichloromethane

Concen: 18.80 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

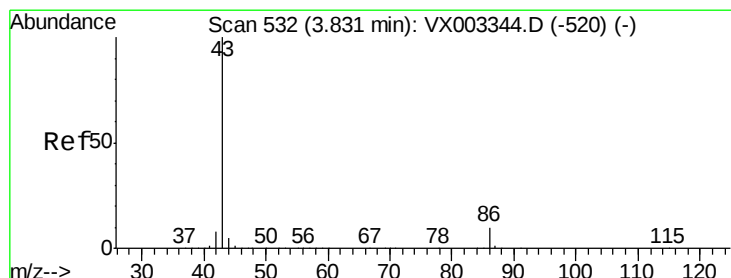
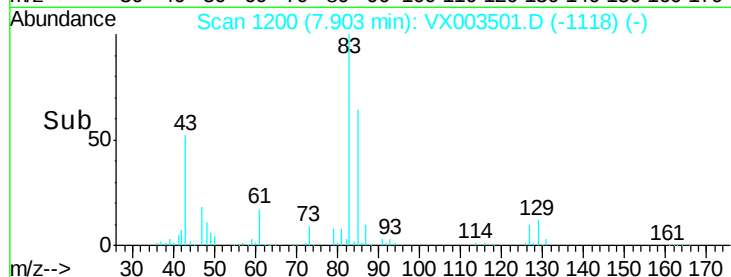
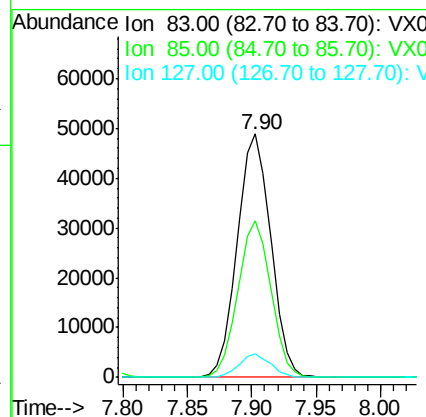
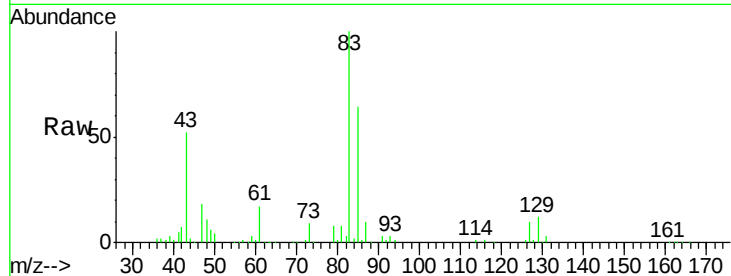
ClientSampleId :

VX0720WBS01

Tot Ion:	83	Resp:	88644
Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.8	74.8
127	9.5	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 88.66 ug/l

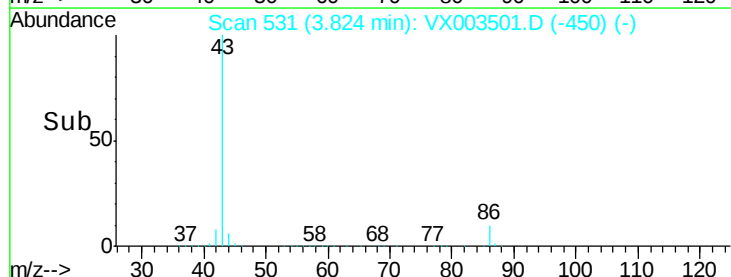
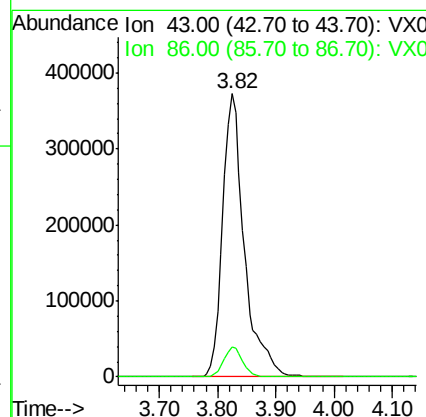
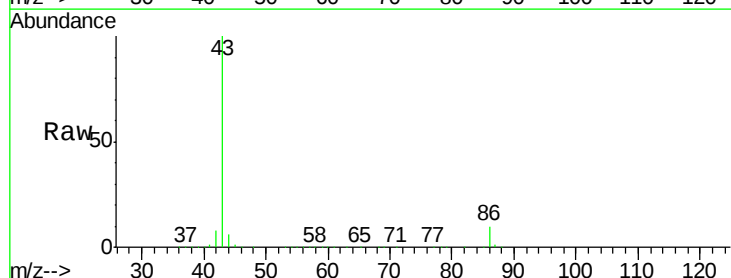
RT: 3.82 min Scan# 531

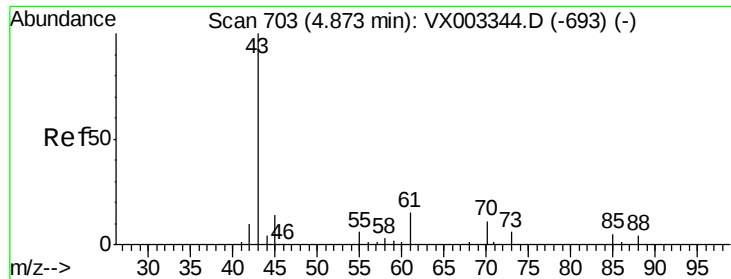
Delta R.T. -0.01 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Tgt Ion:	43	Resp:	961198
Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.7	10.1





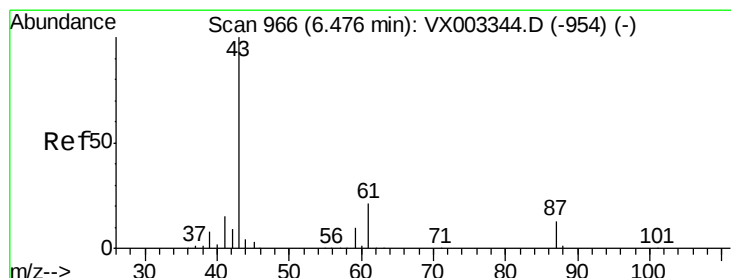
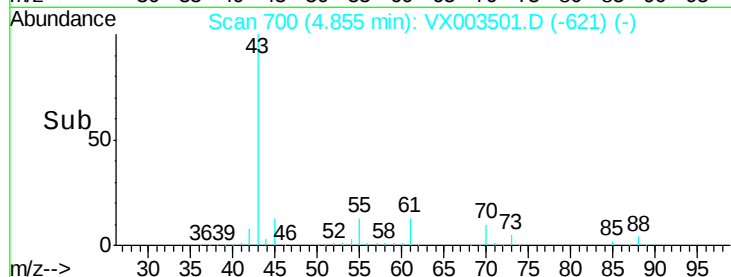
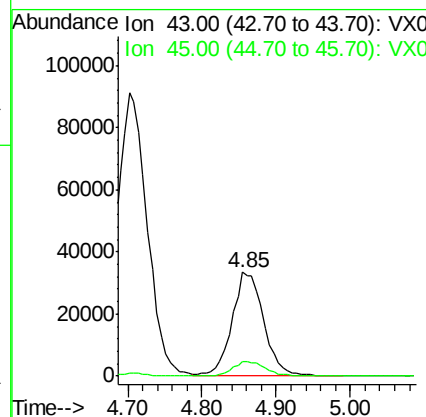
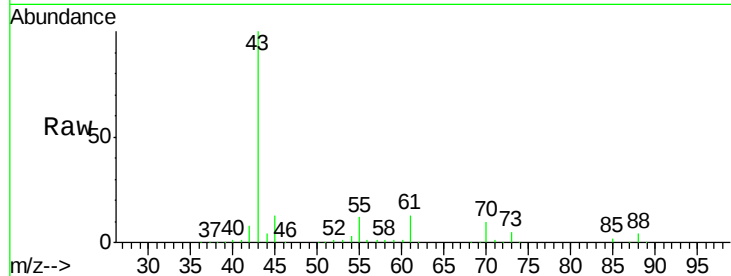
#43
Ethyl Acetate
Concen: 18.74 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.02 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion: 43 Resp: 100465
Ion Ratio Lower Upper
43 100
45 14.4 11.0 16.4

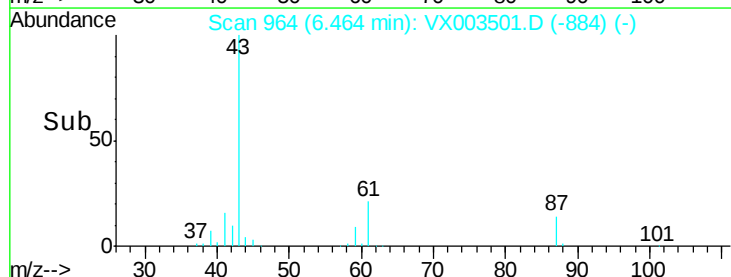
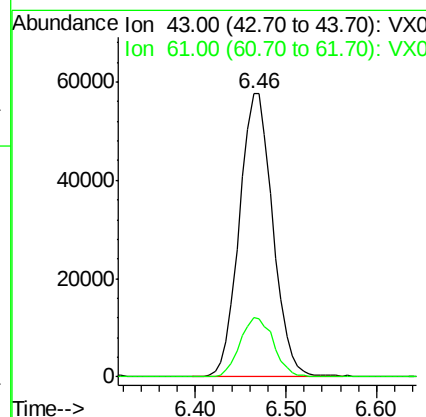
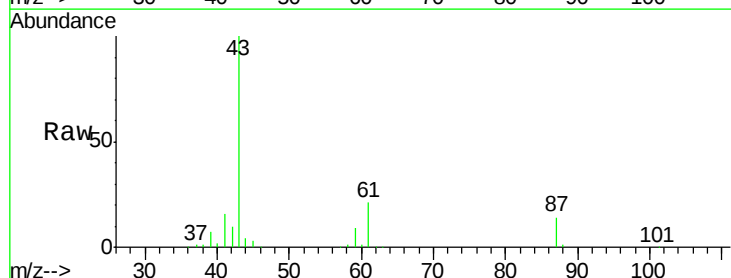
Manual Integrations
APPROVED

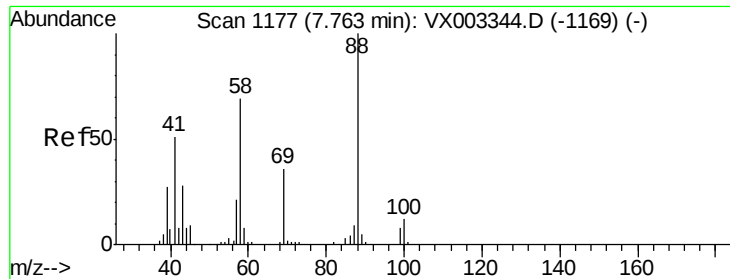
MMDadoda
7/23/2018 12:34:41 PM



#44
Isopropyl Acetate
Concen: 17.87 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion: 43 Resp: 146799
Ion Ratio Lower Upper
43 100
61 21.1 14.5 21.7





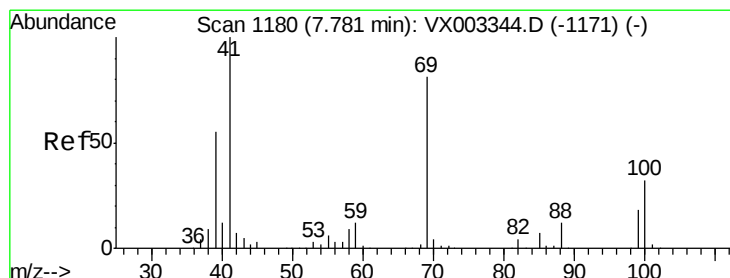
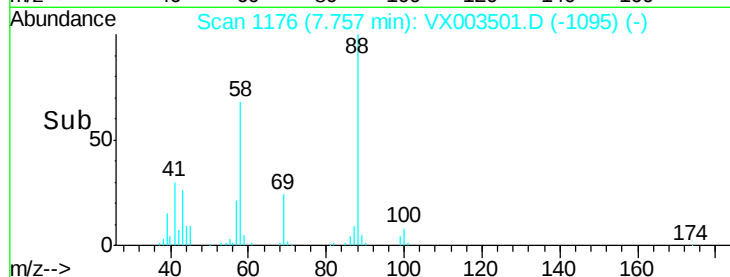
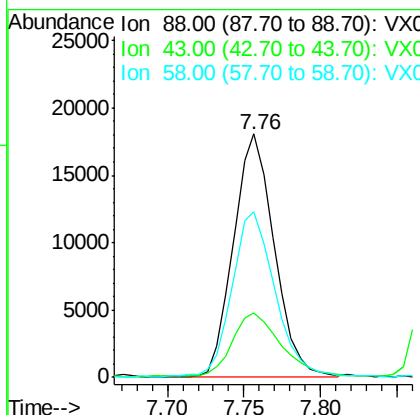
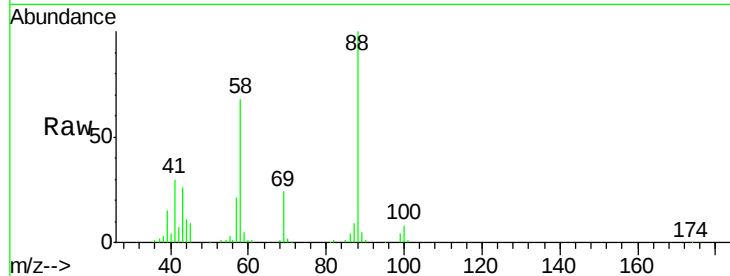
#45
 1,4-Dioxane
 Concen: 381.90 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	43.2	64.8#
58	72.7	60.2	90.2

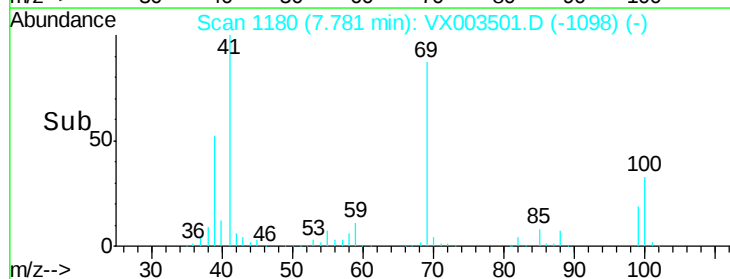
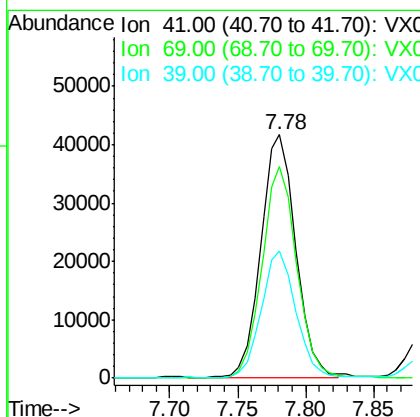
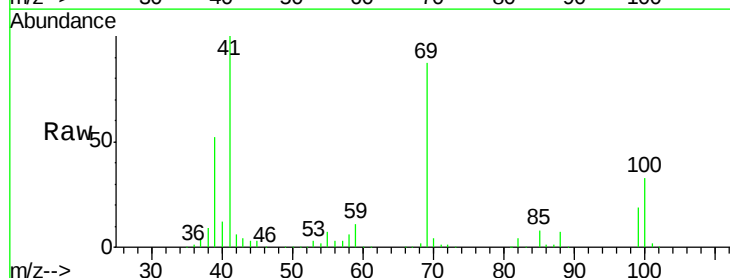
Manual Integrations
 APPROVED

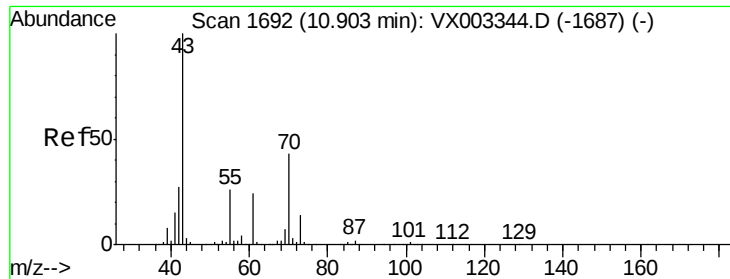
MMDadoda
 7/23/2018 12:34:41 PM



#46
 Methyl methacrylate
 Concen: 17.53 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.3	37.0	110.9
39	51.8	29.6	88.9





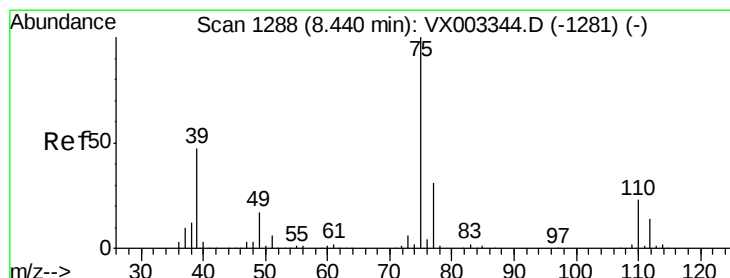
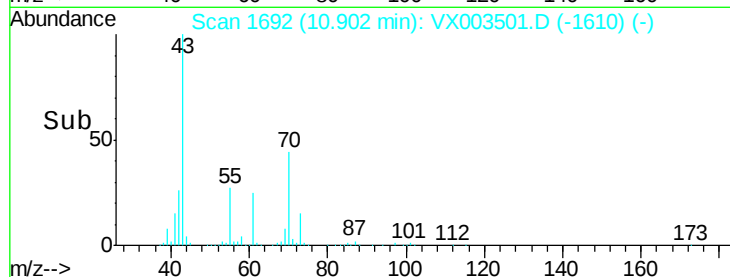
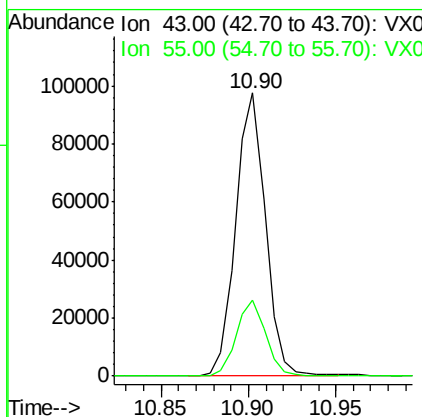
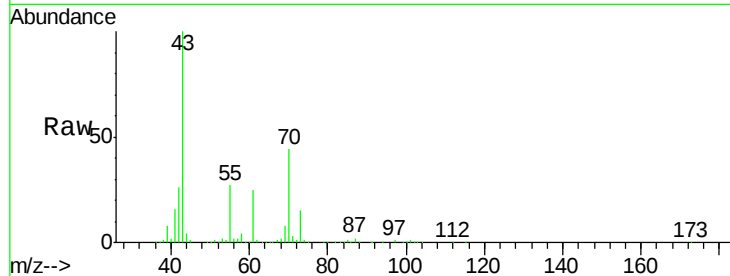
#47
n-amvl Acetate
Concen: 16.27 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion: 43 Resp: 115133
Ion Ratio Lower Upper
43 100
55 27.2 0.1 0.1#

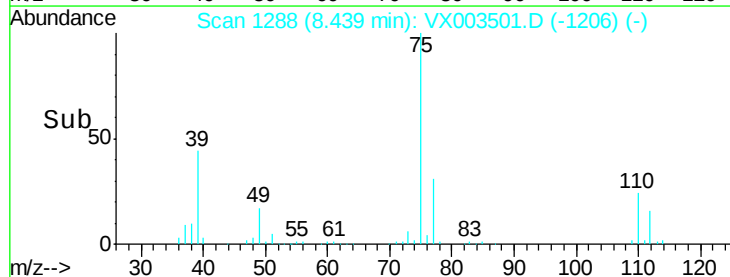
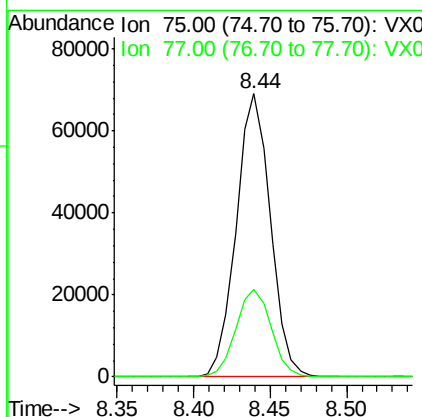
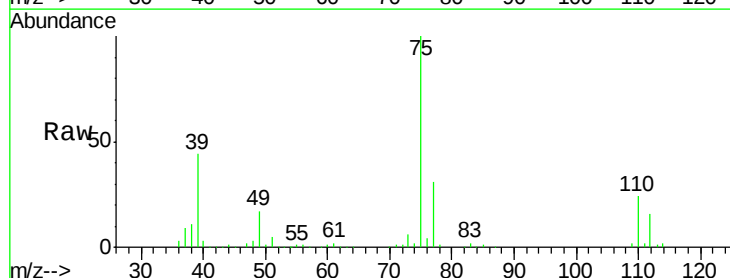
Manual Integrations
APPROVED

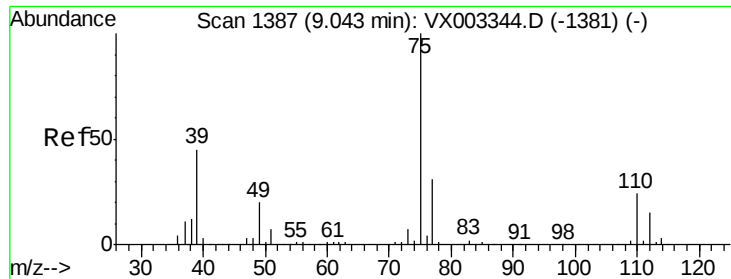
MMDadoda
7/23/2018 12:34:41 PM



#48
t-1,3-Dichloropropene
Concen: 18.67 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion: 75 Resp: 107175
Ion Ratio Lower Upper
75 100
77 31.1 25.6 38.4





#49

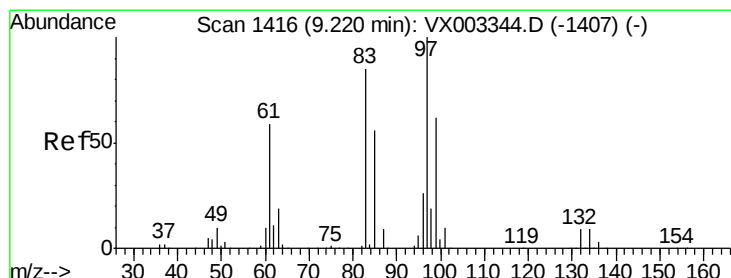
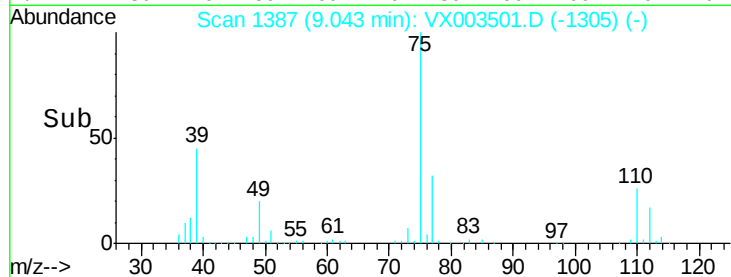
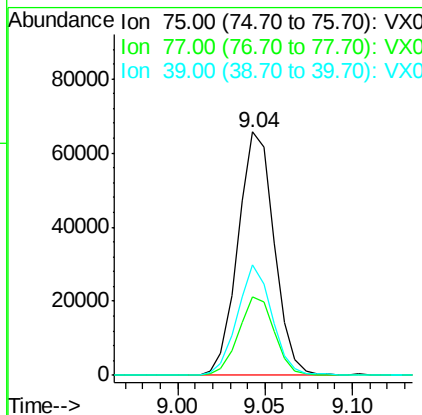
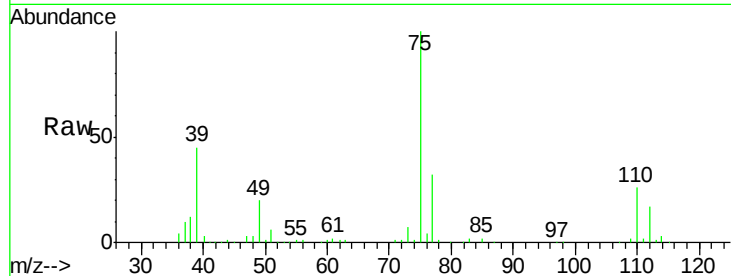
cis-1,3-Dichloropropene
Concen: 18.26 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2
39	45.2	42.3	63.5

Manual Integrations
APPROVED

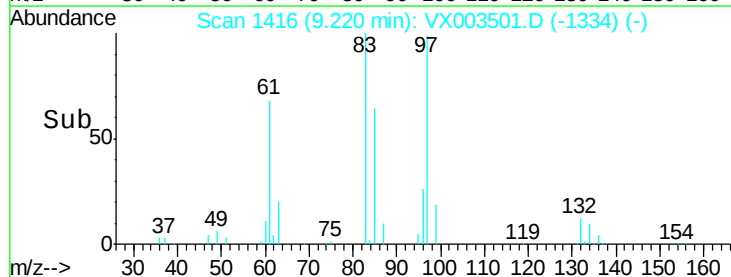
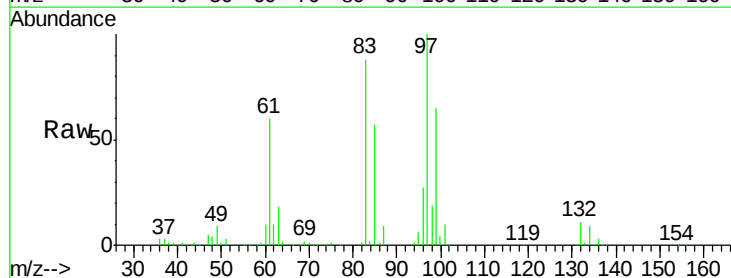
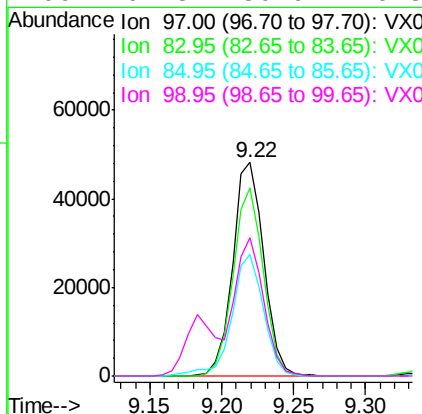
MMDadoda
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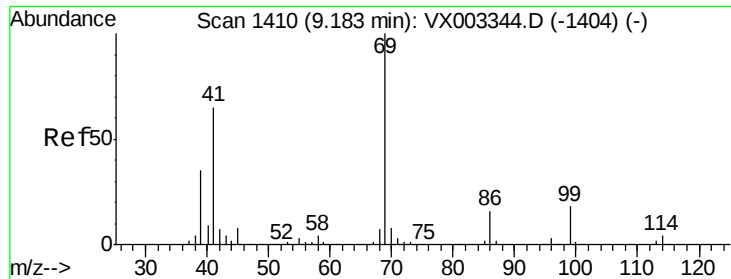


#50

1,1,2-Trichloroethane
Concen: 19.04 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.8	106.2
85	56.8	43.5	65.3
99	64.8	50.9	76.3





#51

Ethyl methacrylate

Concen: 18.03 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

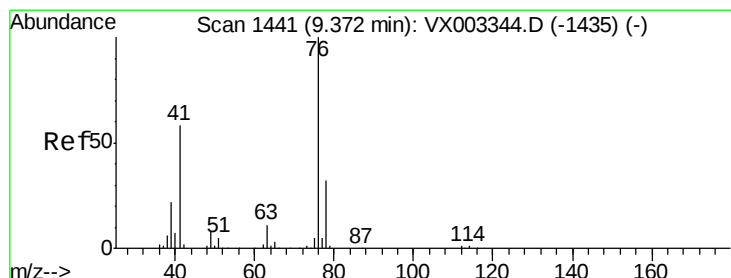
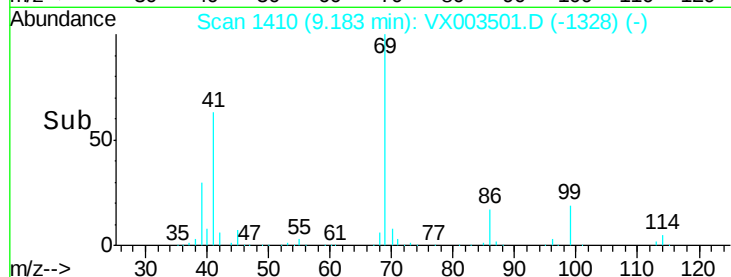
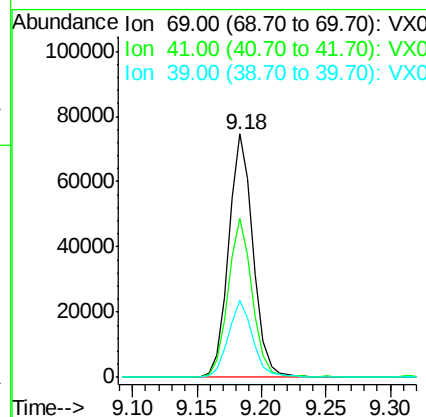
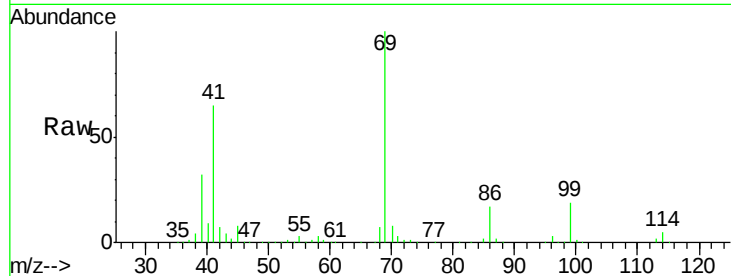
ClientSampleId :

VX0720WBS01

Tot Ion:	69	Resp:	100004
Ion	Ratio	Lower	Upper
69	100		
41	65.0	39.1	117.3
39	31.4	21.7	65.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.22 ug/l

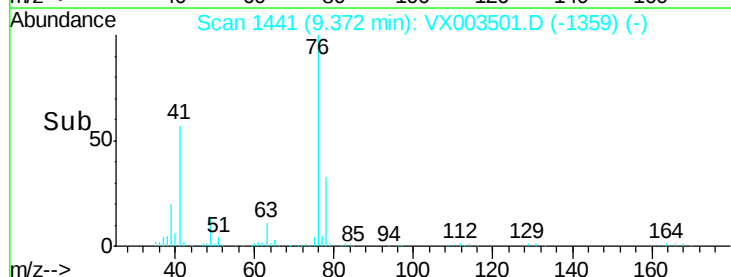
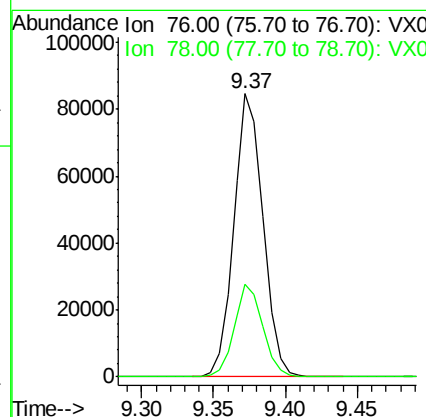
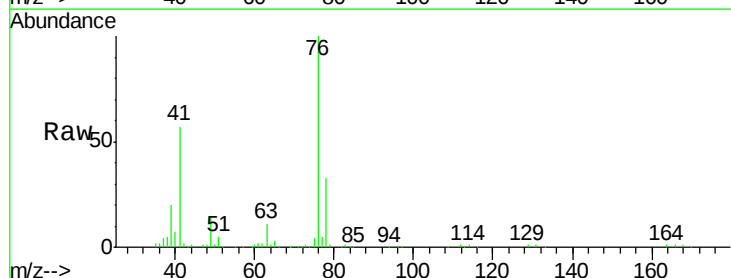
RT: 9.37 min Scan# 1441

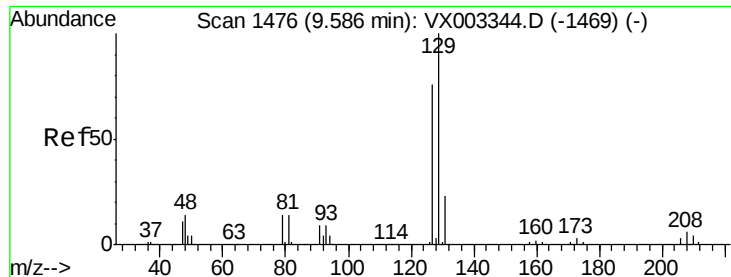
Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Tgt Ion:	76	Resp:	120157
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.4





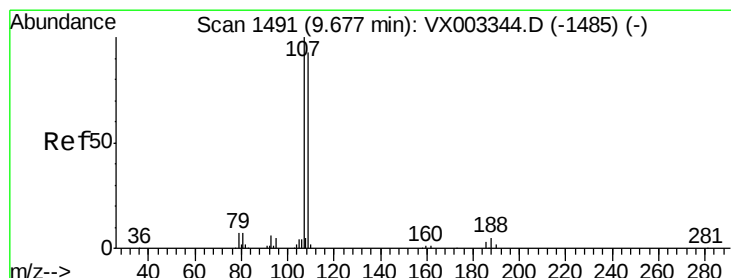
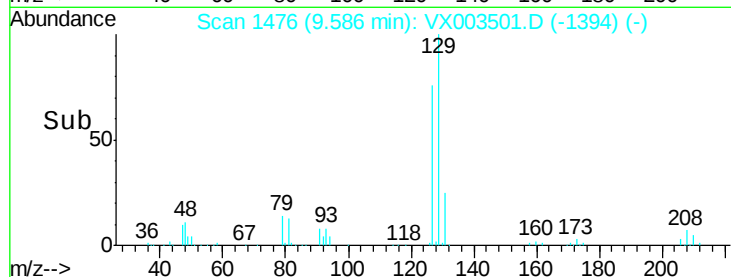
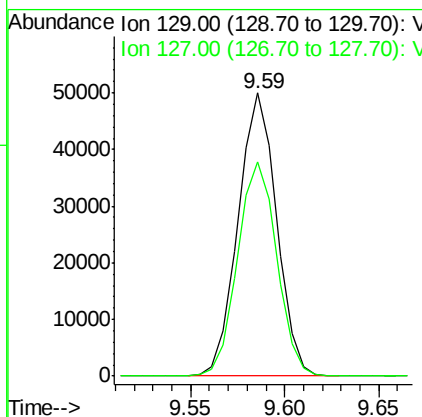
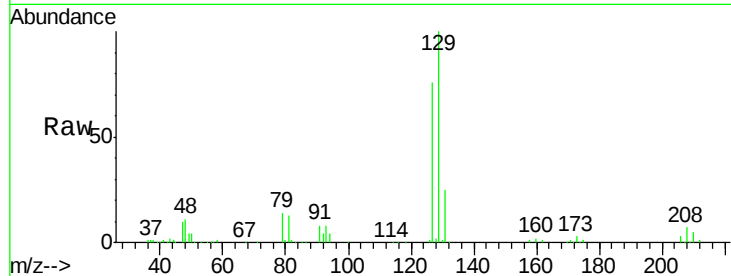
#53
 Dibromochloromethane
 Concen: 18.60 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Tot Ion:129 Resp: 70753
 Ion Ratio Lower Upper
 129 100
 127 77.1 38.5 115.3

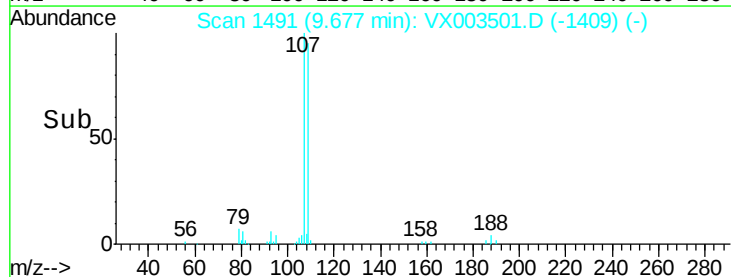
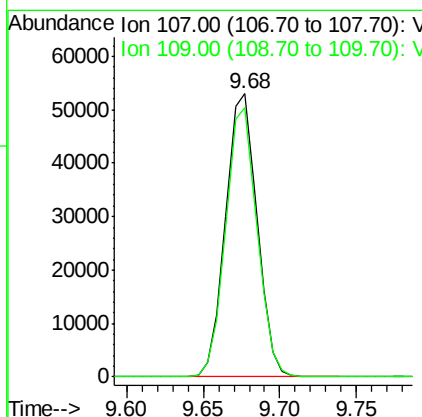
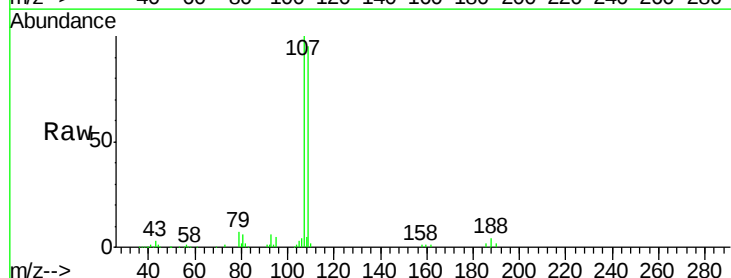
Manual Integrations
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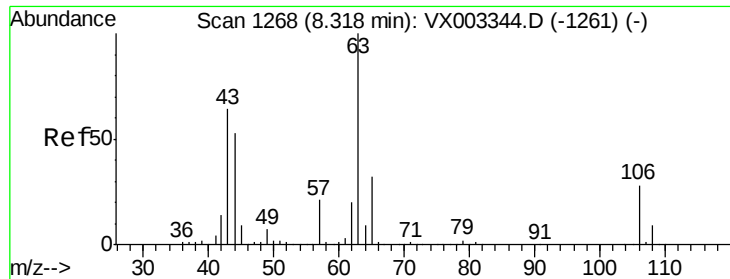
MMDadoda
 7/23/2018 12:34:41 PM



#54
 1,2-Dibromoethane
 Concen: 19.24 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion:107 Resp: 75925
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.5 113.3





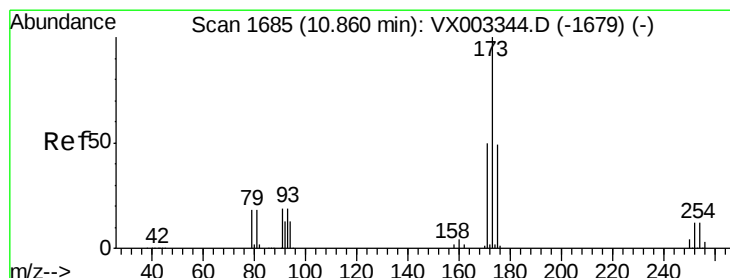
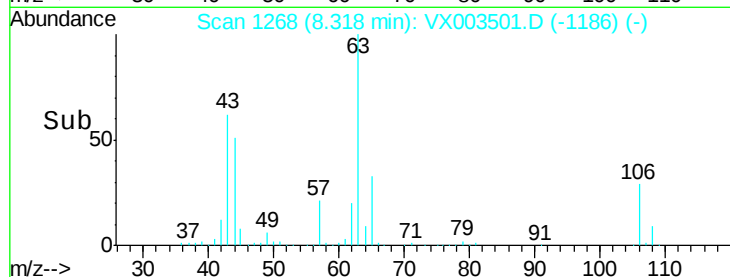
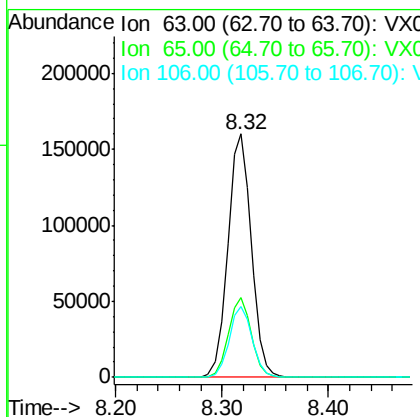
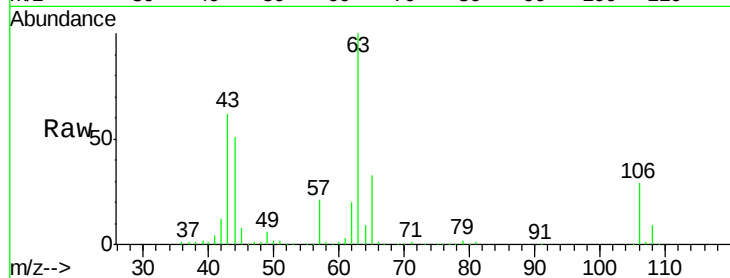
#55
2-Chloroethyl vinyl ether
Concen: 94.26 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.6	38.4
106	28.7	21.6	32.4

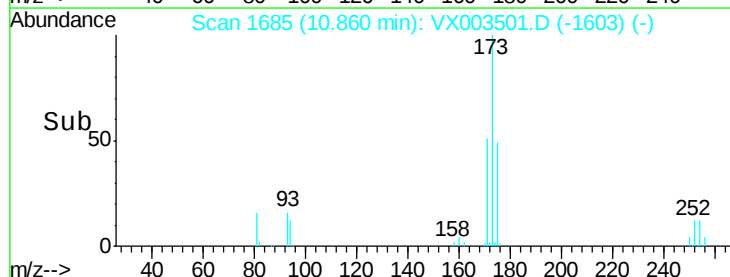
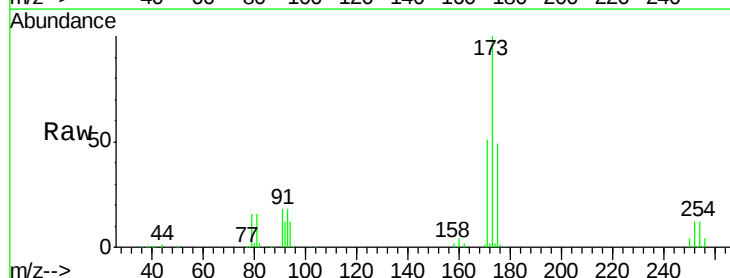
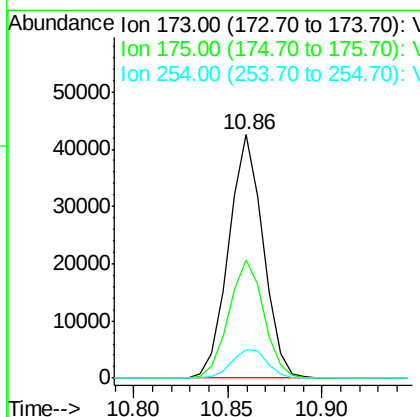
Manual Integrations
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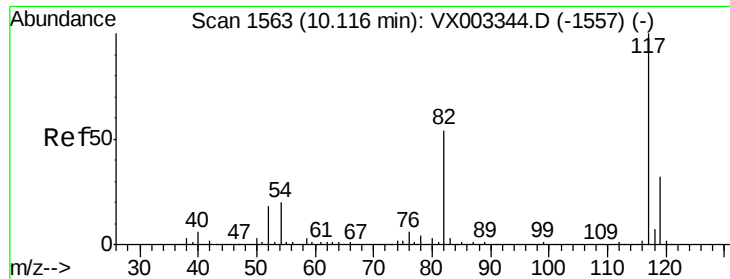
MMDadoda
7/23/2018 12:34:41 PM



#56
Bromoform
Concen: 18.52 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.4
254	12.3	9.6	14.4





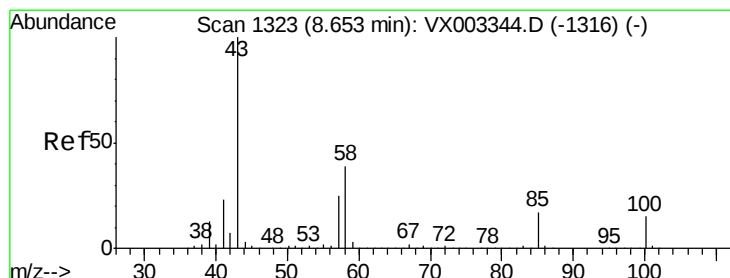
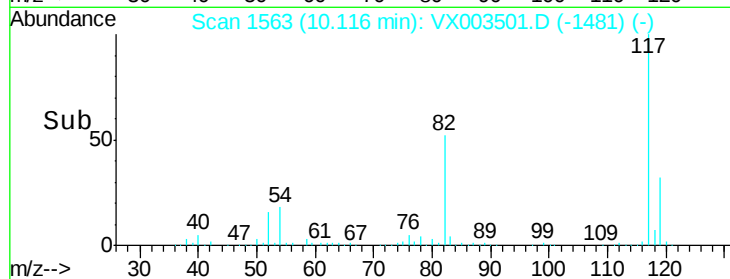
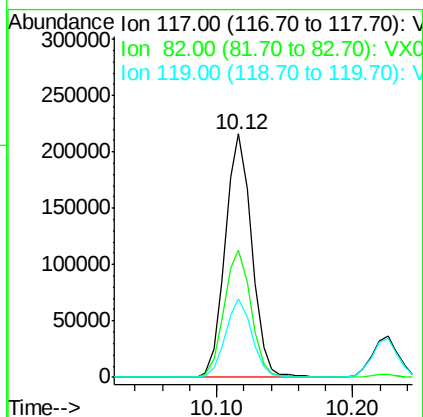
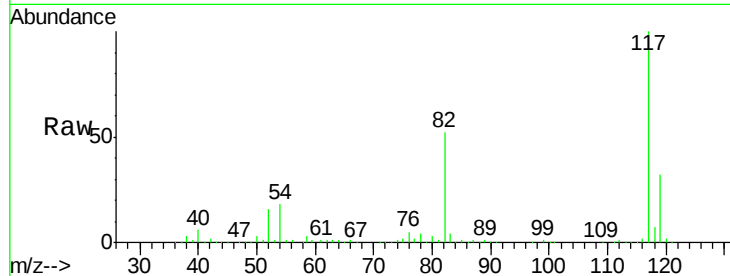
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	52.9	44.3	66.5
119	32.0	25.7	38.5

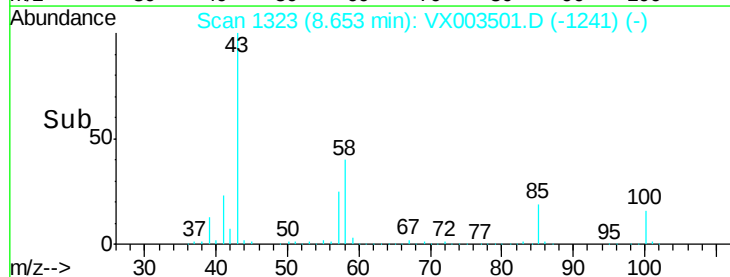
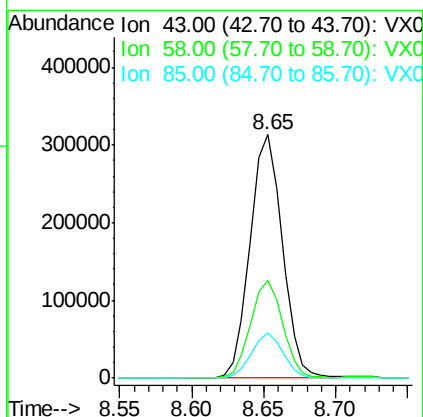
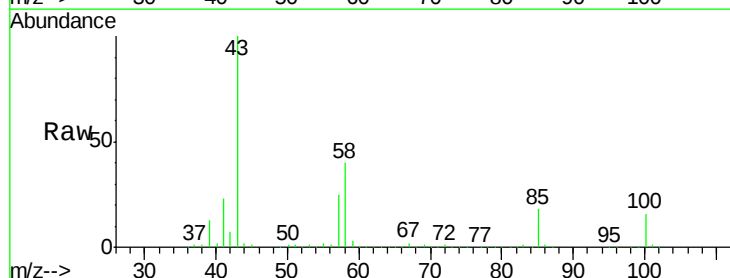
Manual Integrations
APPROVED

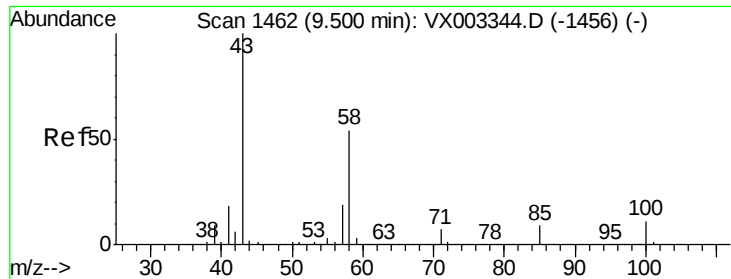
MMDadoda
7/23/2018 12:34:41 PM



#58
4-Methyl-2-Pentanone
Concen: 93.01 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	39.8	28.2	42.4
85	18.3	12.4	18.6





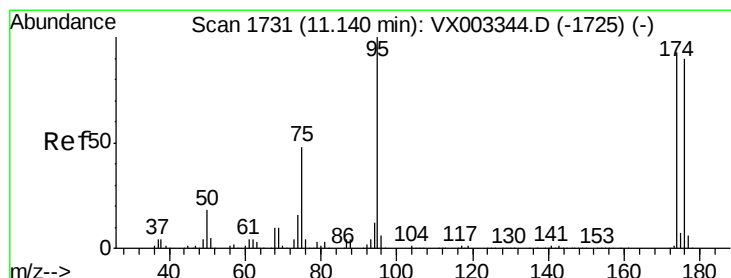
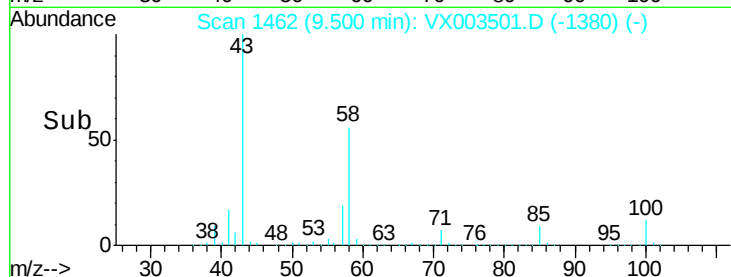
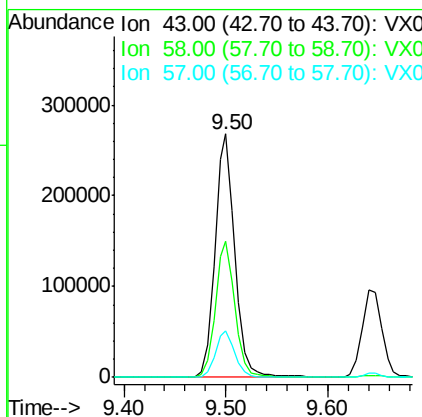
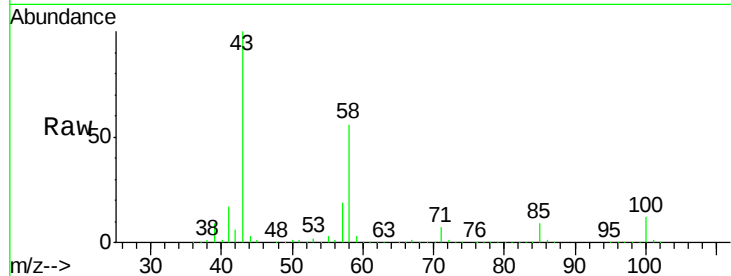
#59
2-Hexanone
Concen: 91.46 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	39.6	59.4
57	19.1	14.1	21.1

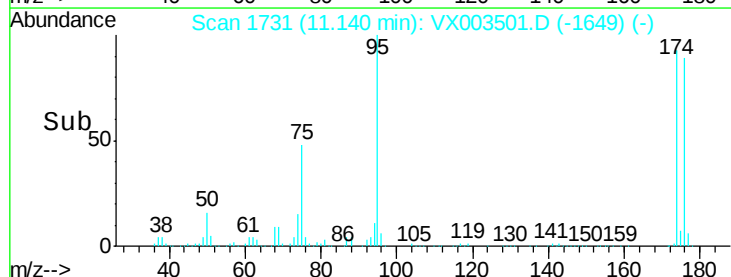
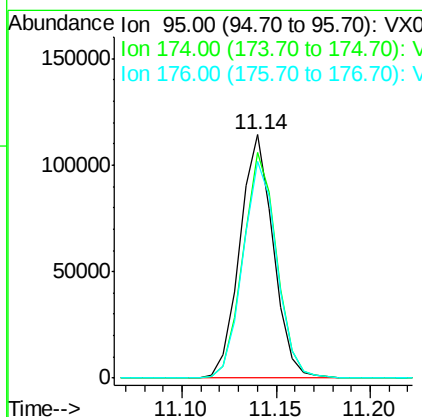
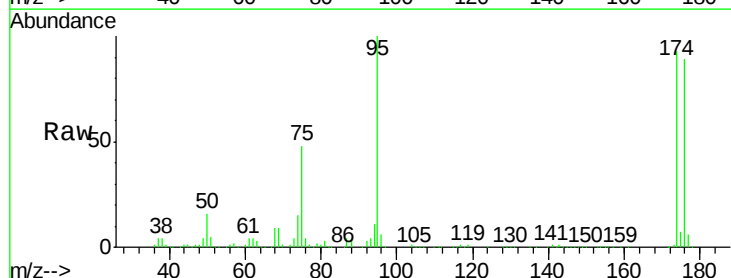
Manual Integrations
APPROVED

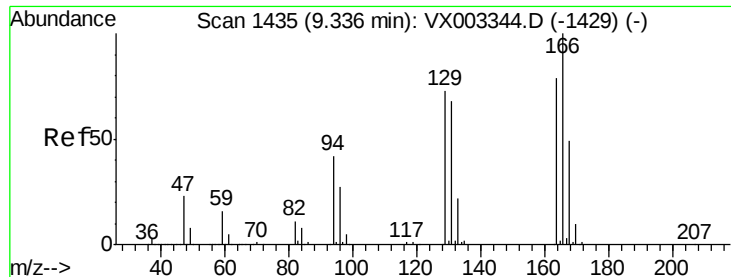
MMDadoda
7/23/2018 12:34:41 PM



#60
4-Bromofluorobenzene
Concen: 29.89 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	71.8	107.6
176	90.8	70.1	105.1





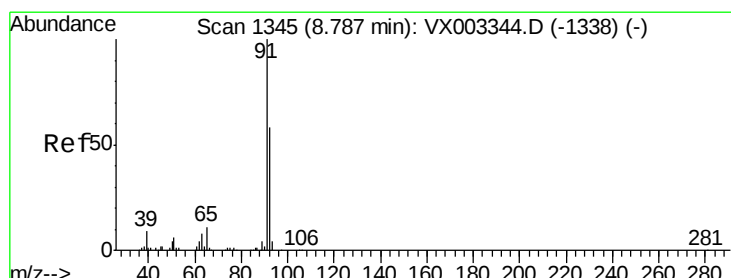
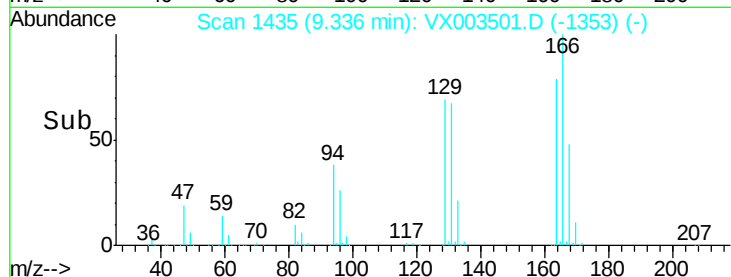
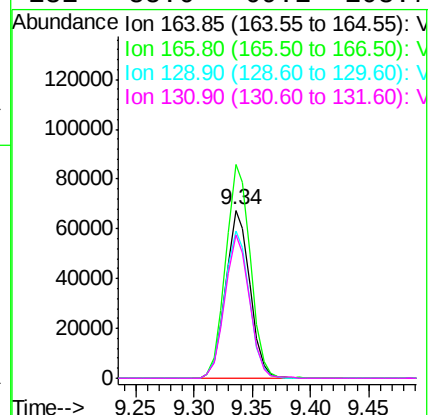
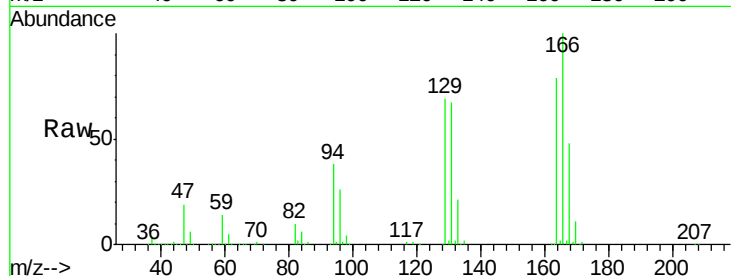
#61
Tetrachloroethene
Concen: 21.66 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.4	153.6
129	88.0	70.1	105.1
131	85.6	69.1	103.7

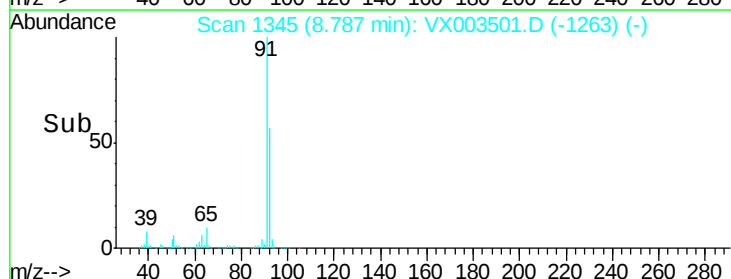
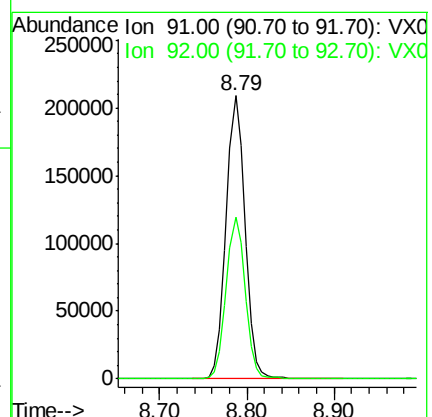
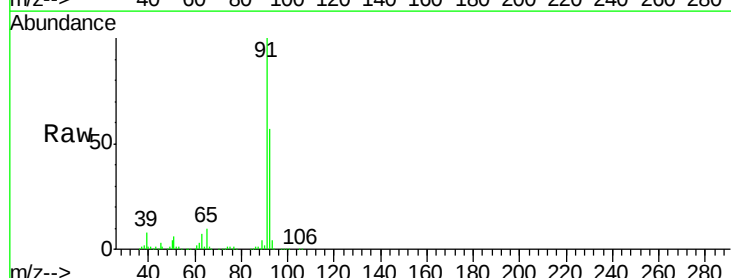
Manual Integrations
APPROVED

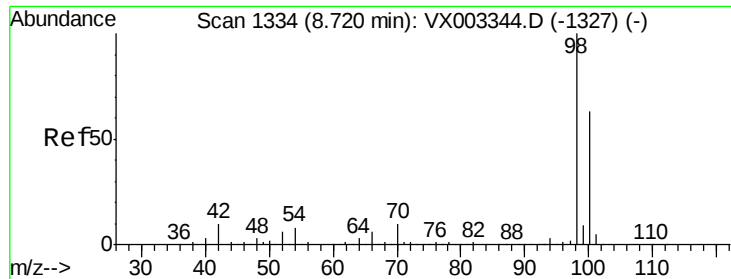
MMDadoda
7/23/2018 12:34:41 PM



#62
Toluene
Concen: 19.78 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	46.5	69.7





#63

Toluene-d8

Concen: 31.03 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS01

Tot Ion: 98 Resp: 401913

Ion Ratio Lower Upper

98 100

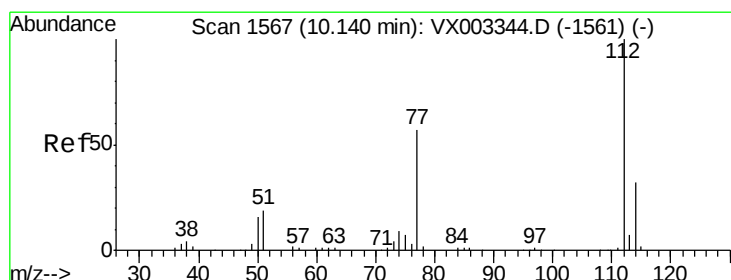
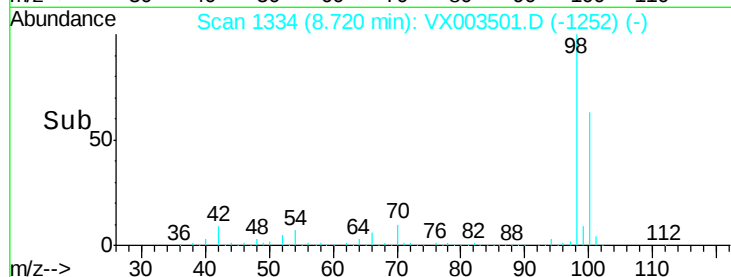
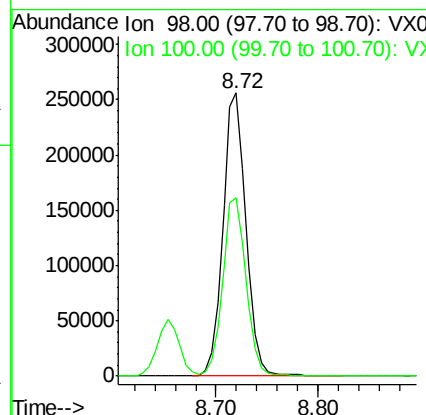
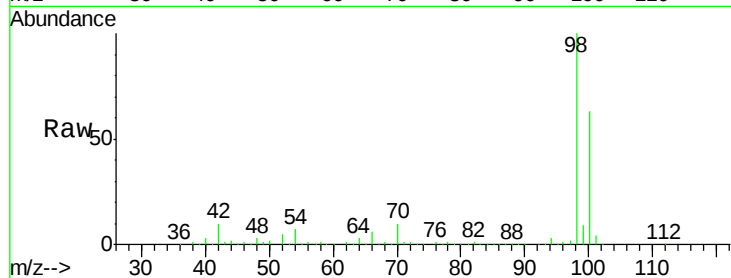
100 64.4 50.8 76.2

Manual Integrations

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#64

Chlorobenzene

Concen: 19.40 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003501.D

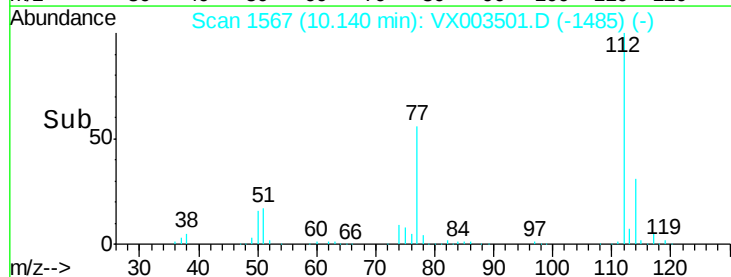
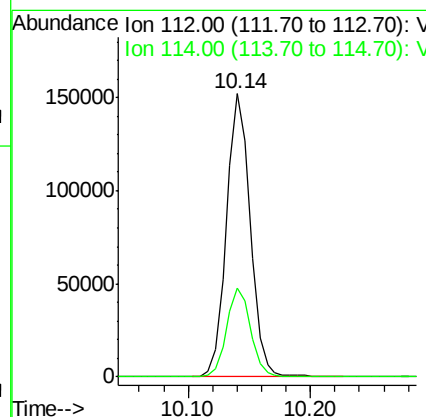
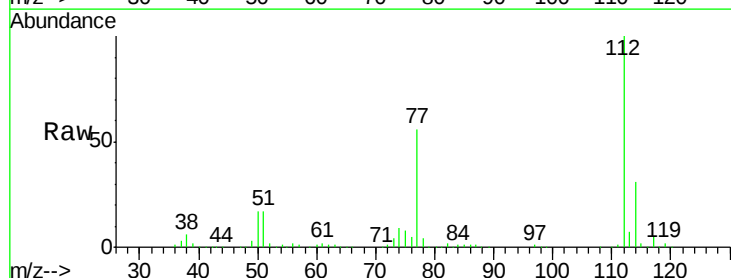
Acq: 20 Jul 2018 11:26

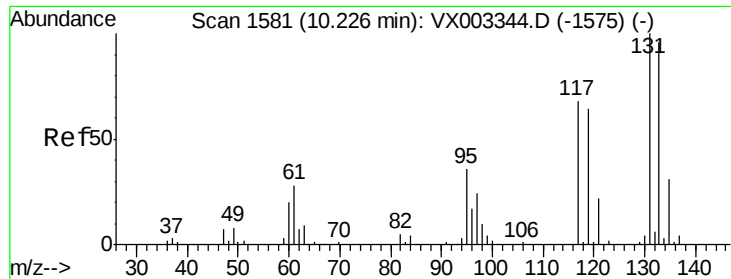
Tgt Ion: 112 Resp: 205348

Ion Ratio Lower Upper

112 100

114 31.4 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.42 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS01

Tot Ion:131 Resp: 72896

Ion Ratio Lower Upper

131 100

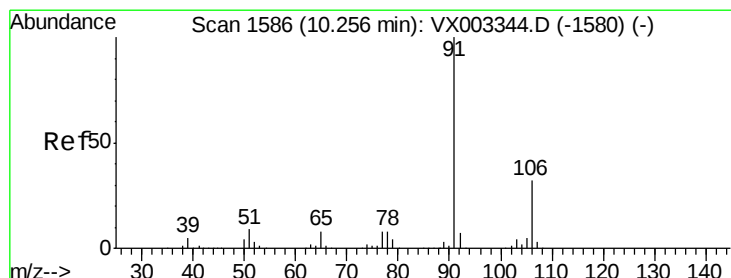
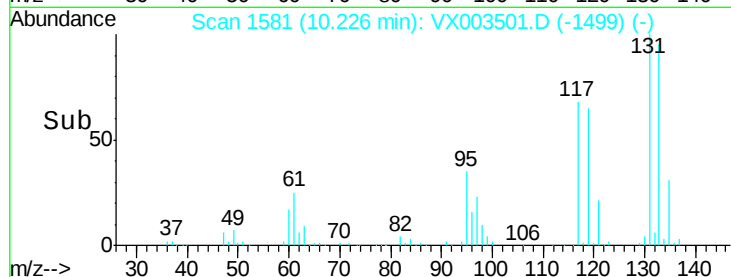
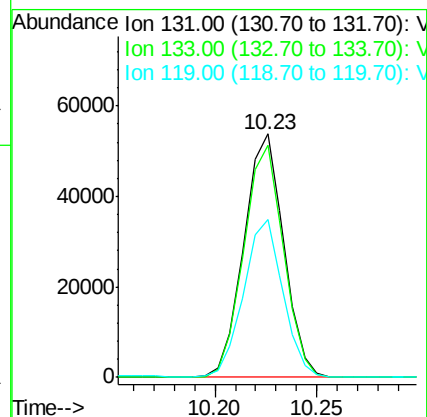
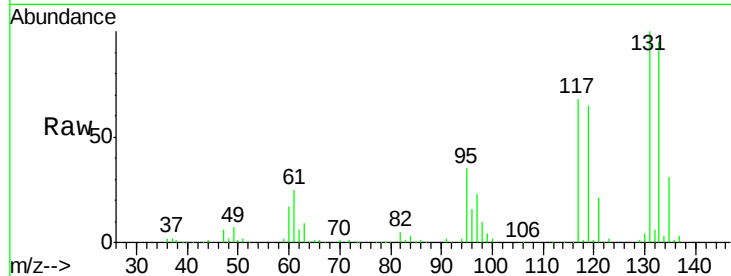
133 95.2 0.0 191.2

119 64.2 0.0 125.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.94 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003501.D

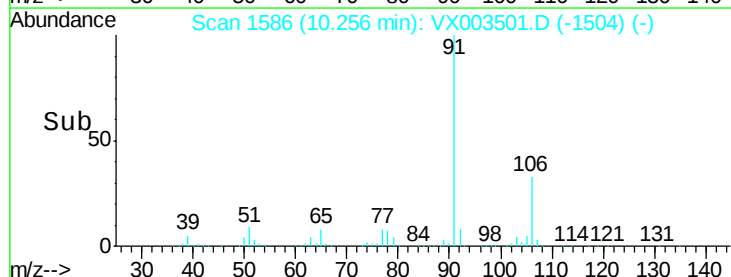
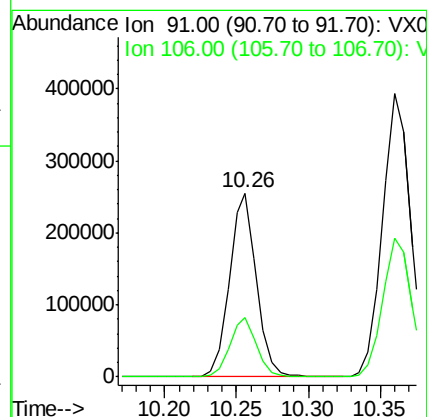
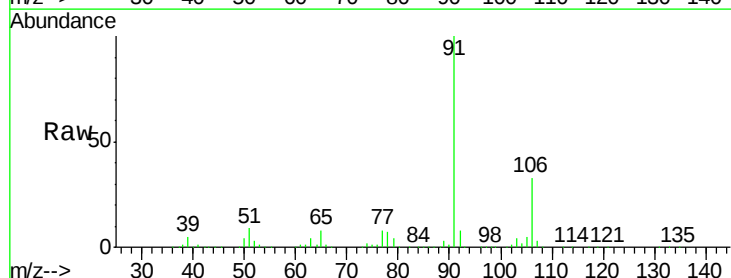
Acq: 20 Jul 2018 11:26

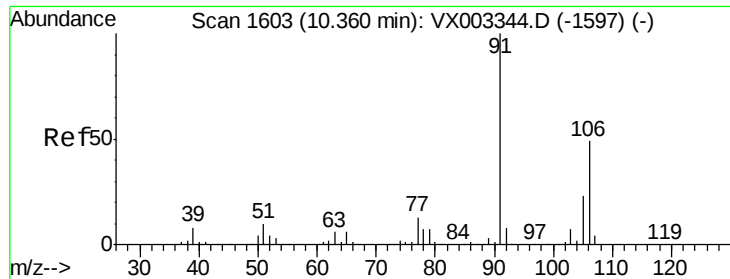
Tgt Ion: 91 Resp: 334488

Ion Ratio Lower Upper

91 100

106 32.6 25.2 37.8





#67

m/p-Xvlenes

Concen: 38.49 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS01

Tot Ion:106 Resp: 264545

Ion Ratio Lower Upper

106 100

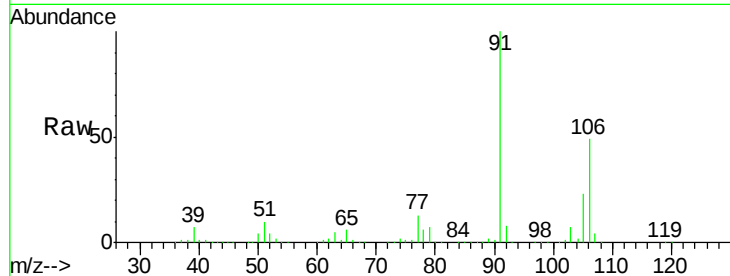
91 200.1 164.1 246.1

Manual Integrations

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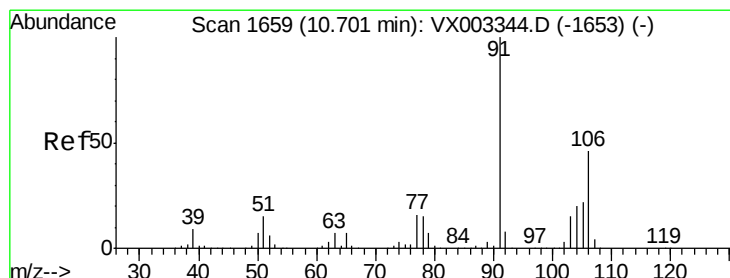
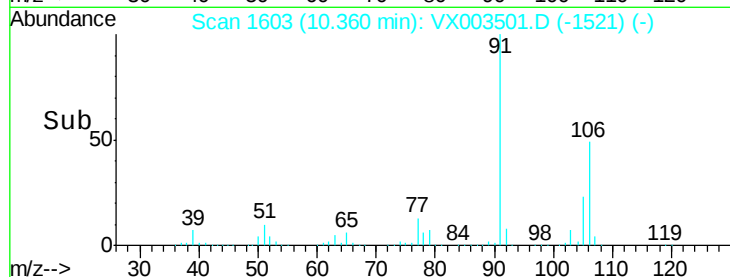
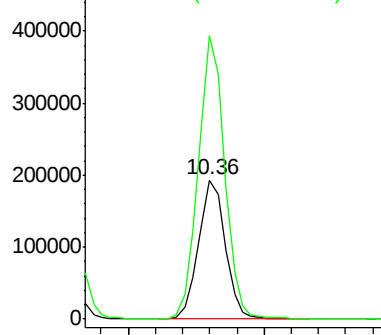
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.62 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX003501.D

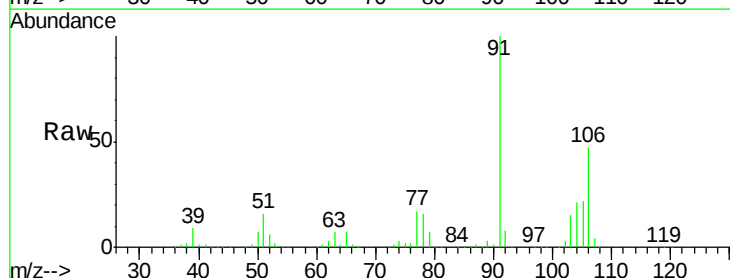
Acq: 20 Jul 2018 11:26

Tgt Ion:106 Resp: 123127

Ion Ratio Lower Upper

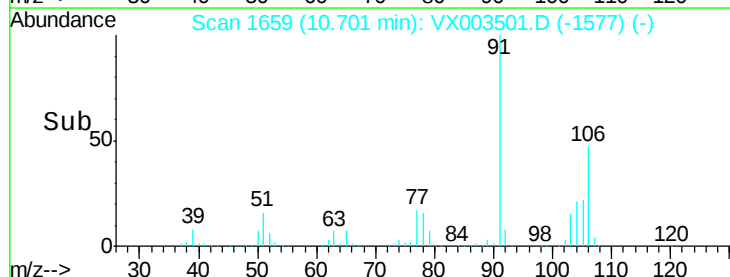
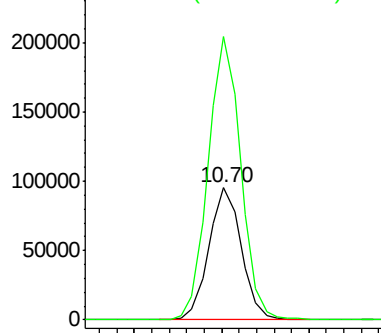
106 100

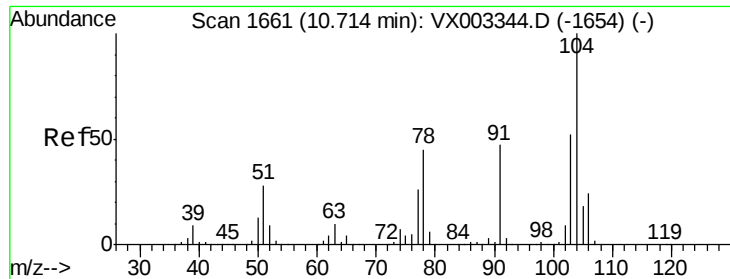
91 215.1 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





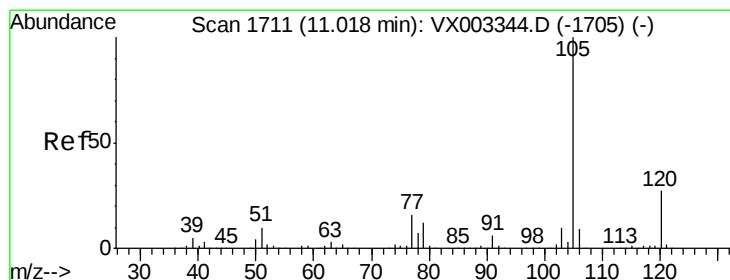
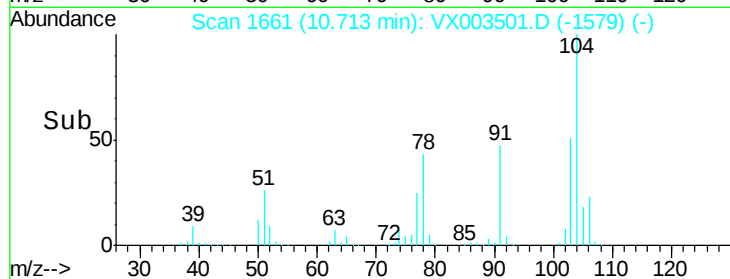
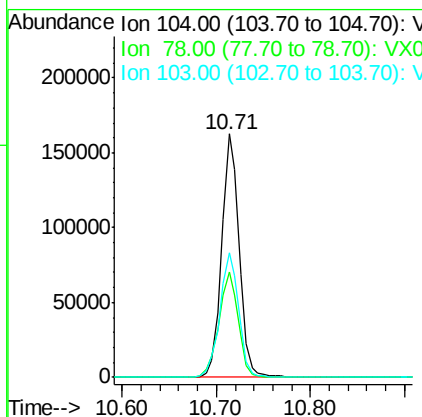
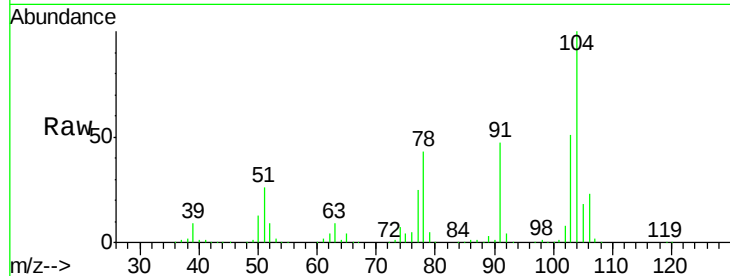
#69
Stvrene
Concen: 19.07 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.0	41.8	62.8
103	55.4	44.9	67.3

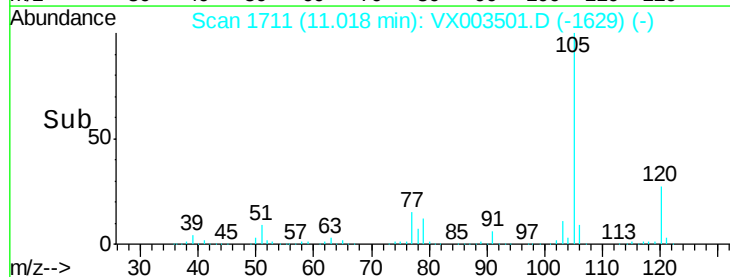
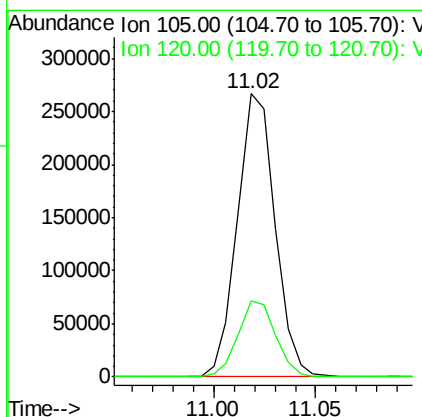
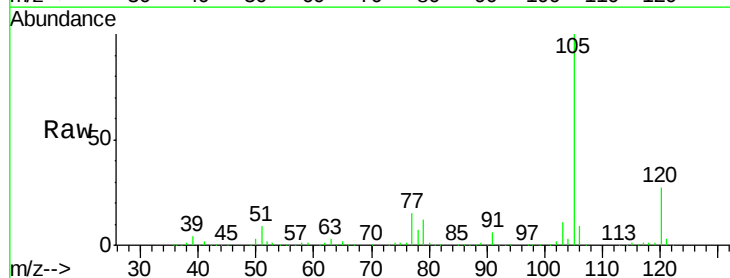
Manual Integrations
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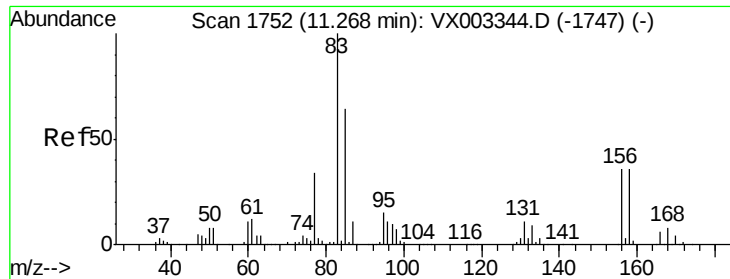
MMDadoda
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#70
Isopropylbenzene
Concen: 19.54 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.0	35.2





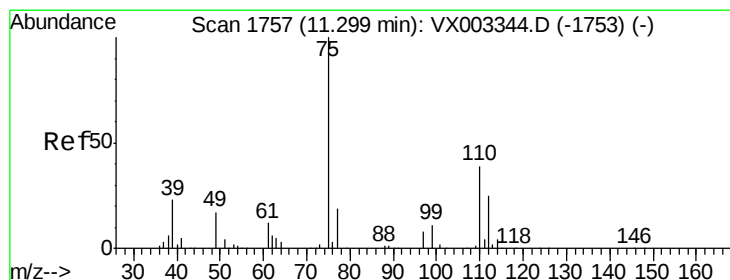
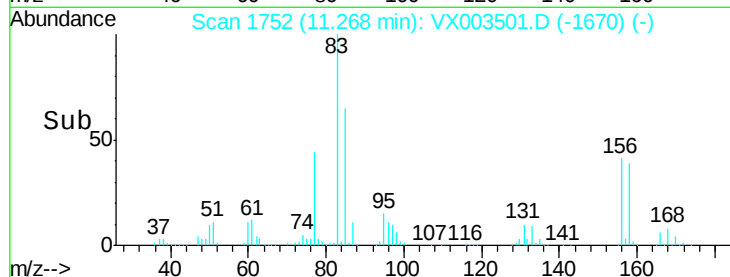
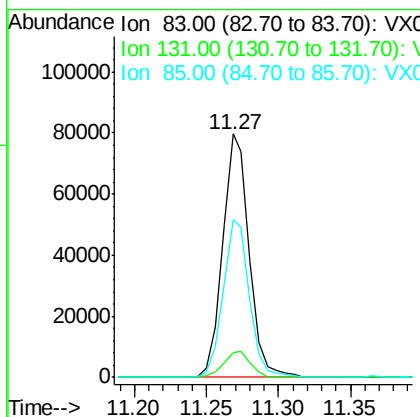
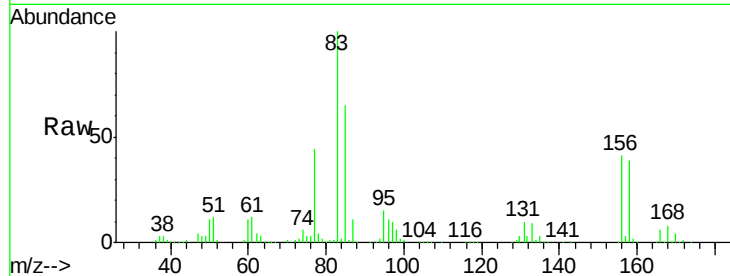
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.74 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.8	5.4	16.2	
85	64.8	32.4	97.2	

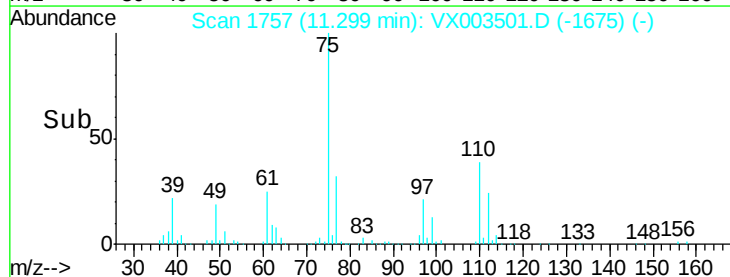
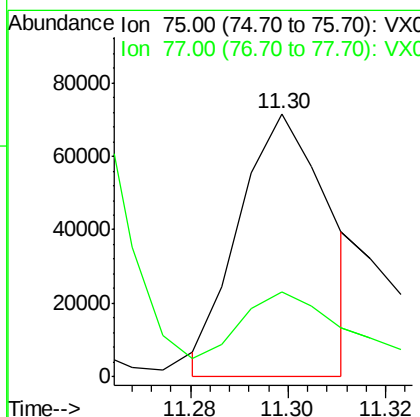
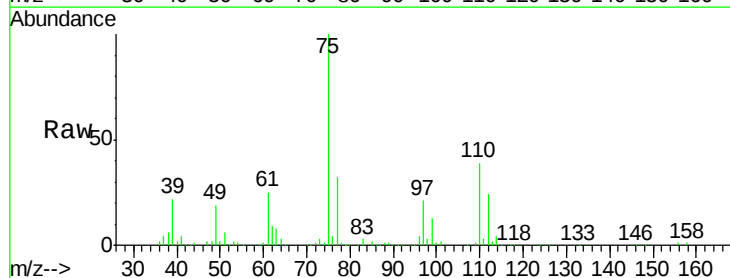
Manual Integrations
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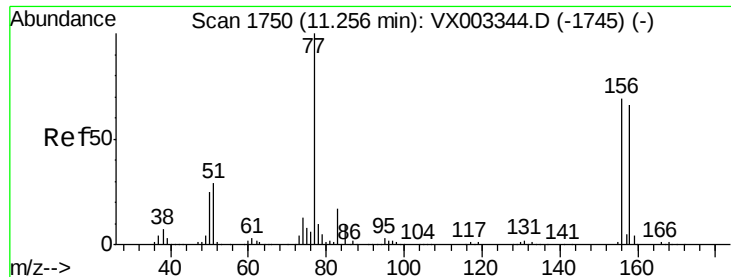
MMDadoda
 7/23/2018 12:34:41 PM



#72
 1,2,3-Trichloropropane
 Concen: 14.12 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	42.5	0.0	71.8	





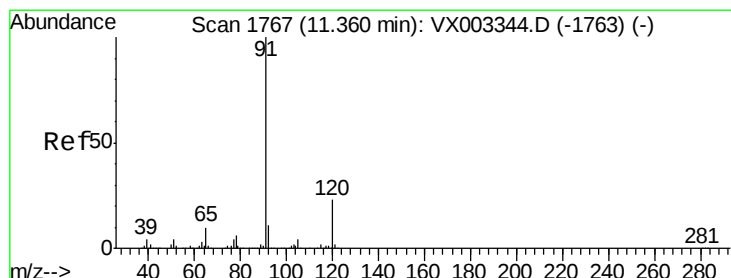
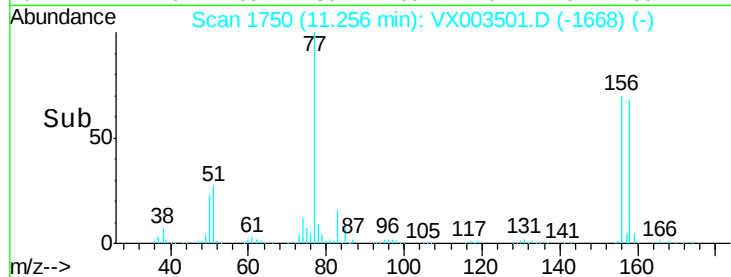
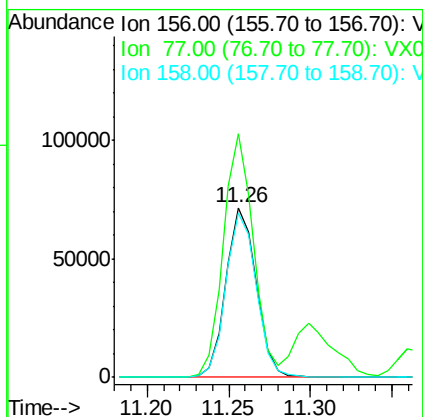
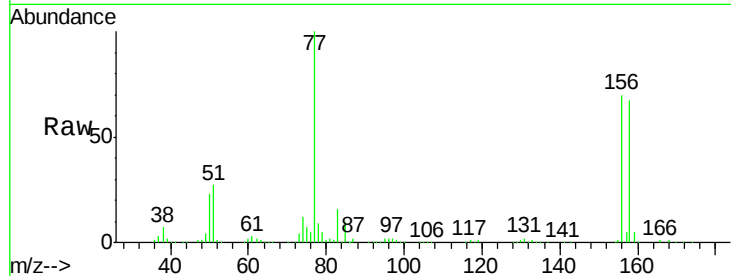
#73
Bromobenzene
Concen: 19.05 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.7	0.0	301.0
158	97.2	0.0	196.2

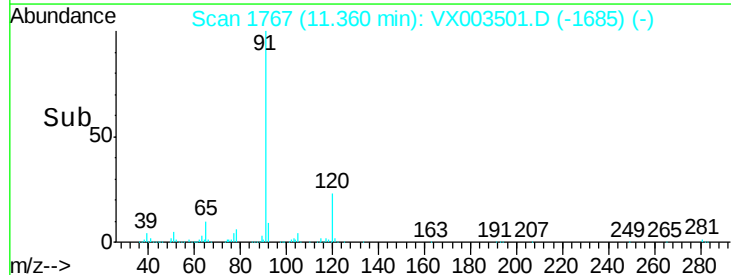
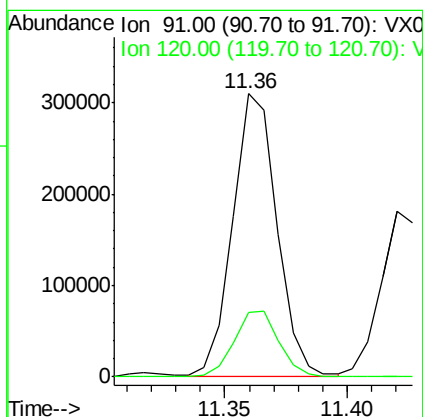
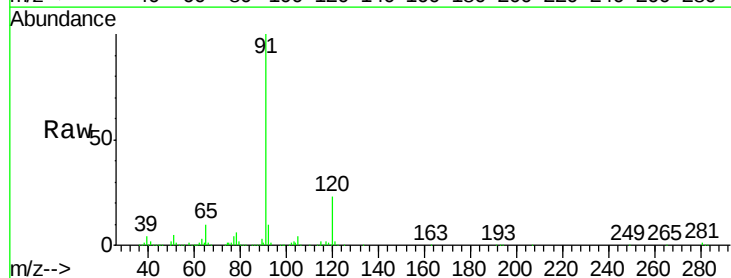
Manual Integrations
APPROVED

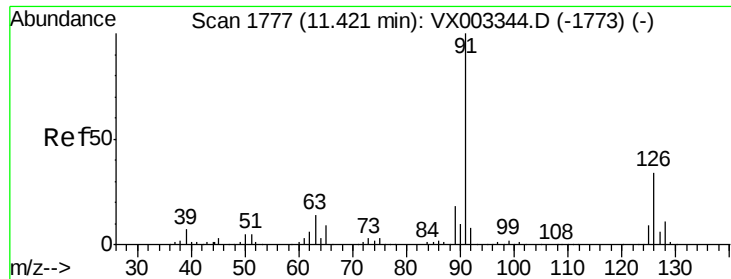
MMDadoda
7/23/2018 12:34:41 PM



#74
n-propylbenzene
Concen: 19.06 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	0.0	46.2





#75

2-Chlorotoluene

Concen: 19.17 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS01

Tot Ion: 91 Resp: 234105

Ion Ratio Lower Upper

91 100

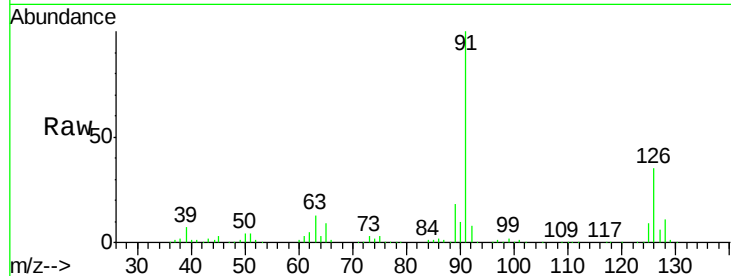
126 35.3 0.0 69.4

Manual Integrations

APPROVED

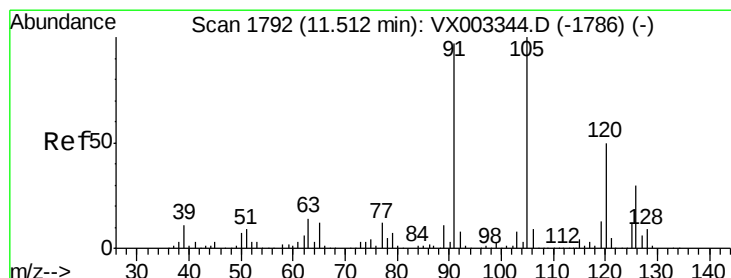
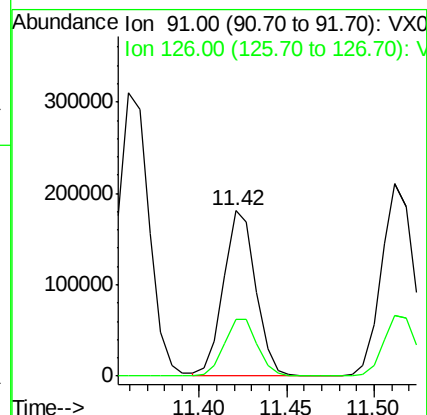
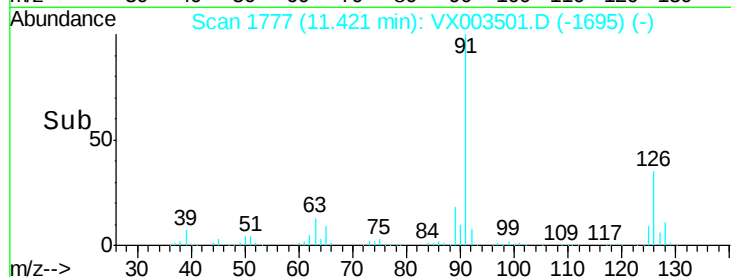
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.12 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003501.D

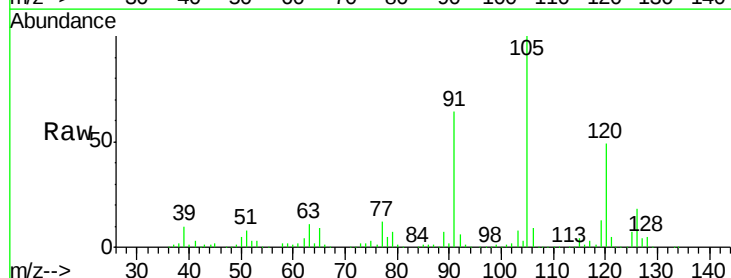
Acq: 20 Jul 2018 11:26

Tgt Ion: 105 Resp: 283741

Ion Ratio Lower Upper

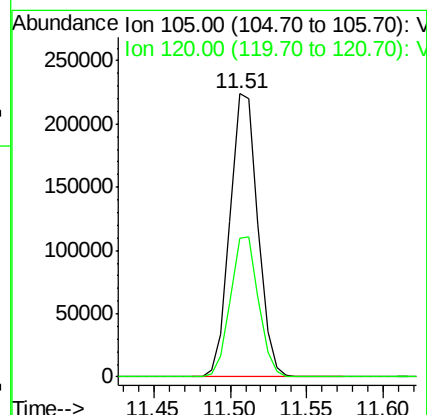
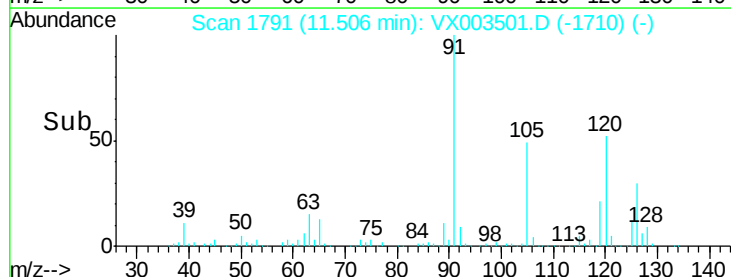
105 100

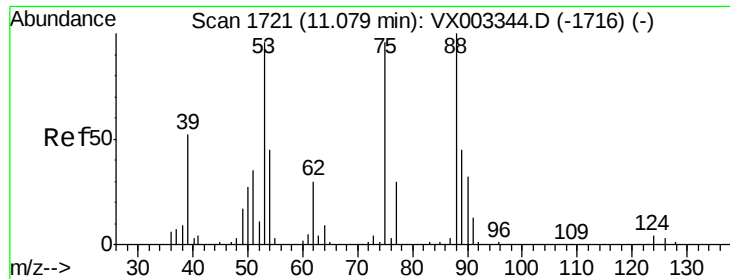
120 50.0 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 17.95 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

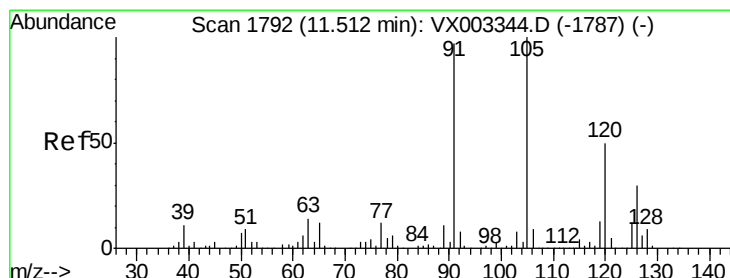
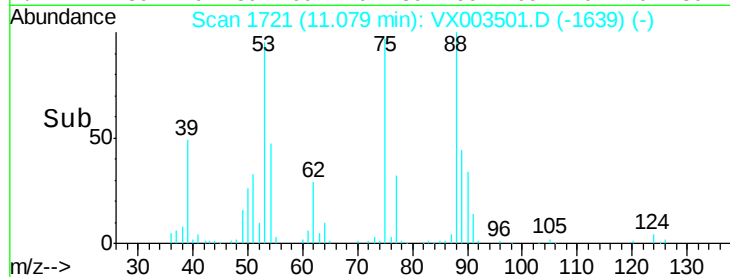
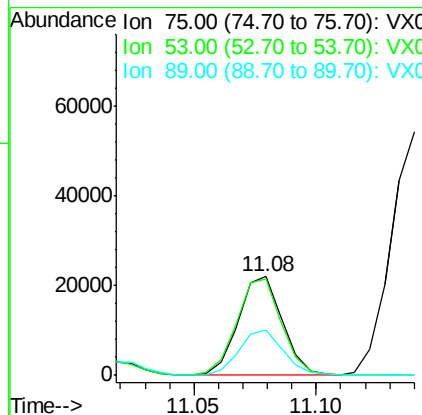
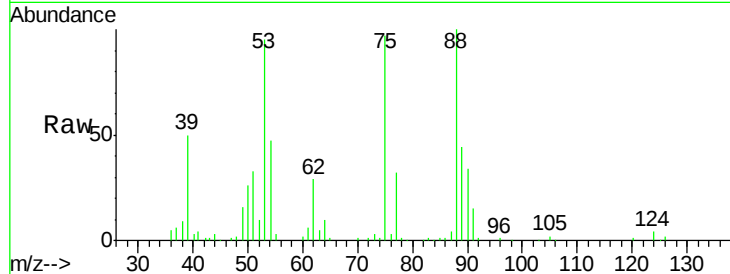
ClientSampleId :

VX0720WBS01

Tot Ion:	75	Resp:	27564
Ion	Ratio	Lower	Upper
75	100		
53	98.0	48.3	144.9
89	45.1	21.8	65.4

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#78

4-Chlorotoluene

Concen: 19.01 ug/l

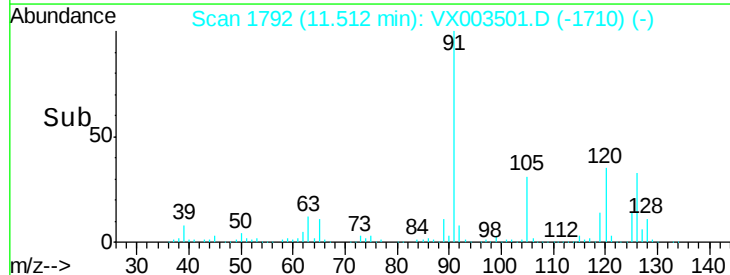
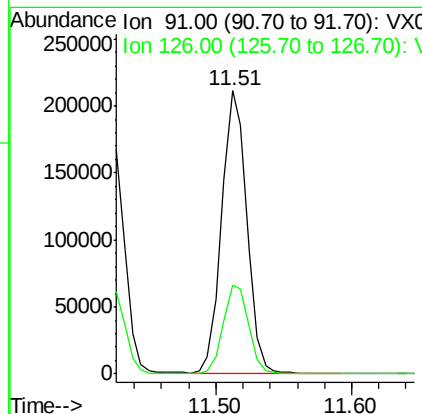
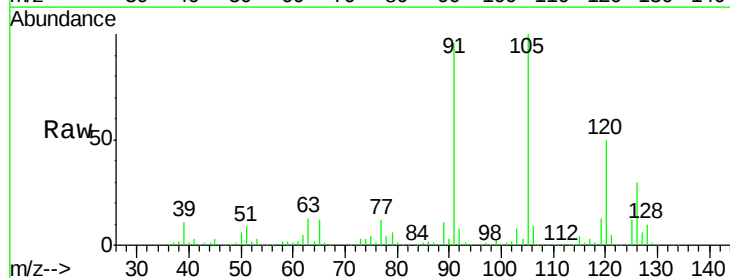
RT: 11.51 min Scan# 1792

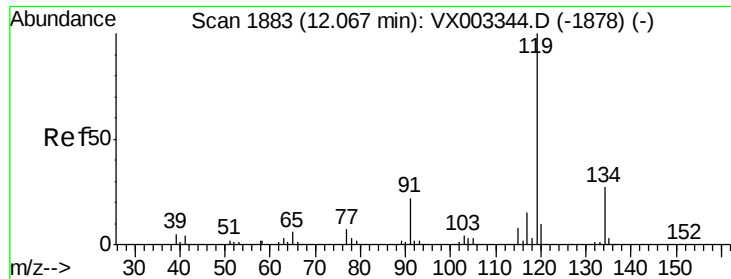
Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Tgt Ion:	91	Resp:	271181
Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	61.0





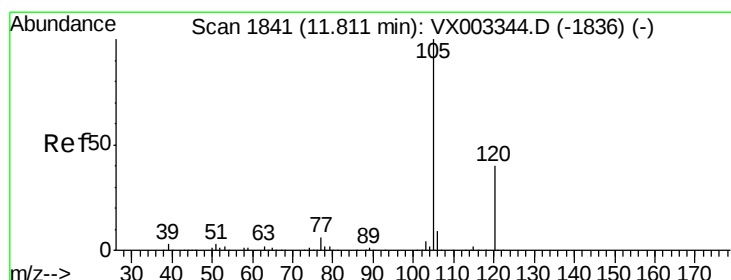
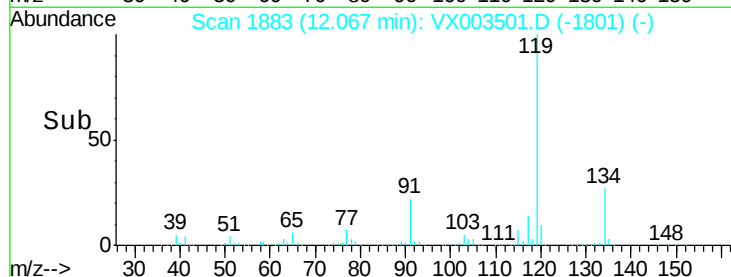
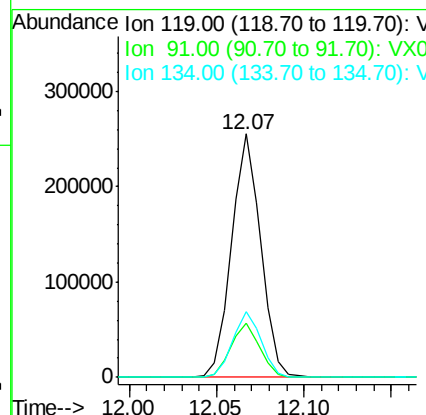
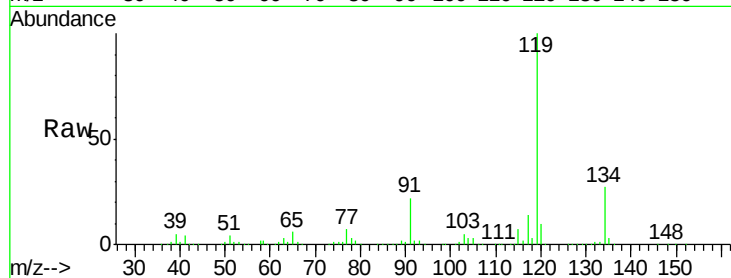
#79
tert-butylbenzene
Concen: 18.75 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294631		
91	22.1	0.0	48.0	
134	26.7	0.0	52.6	

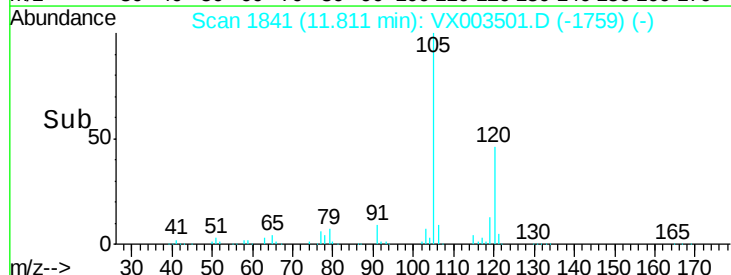
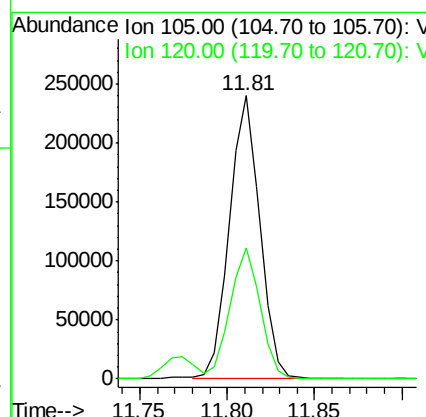
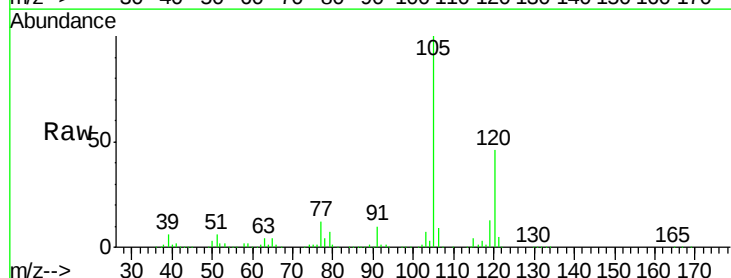
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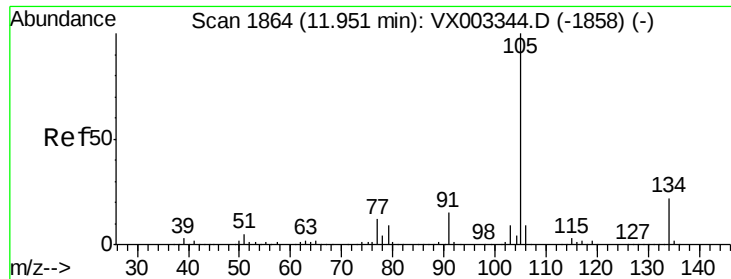
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#80
1,2,4-Trimethylbenzene
Concen: 19.20 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	289395		
120	46.3	0.0	89.2	





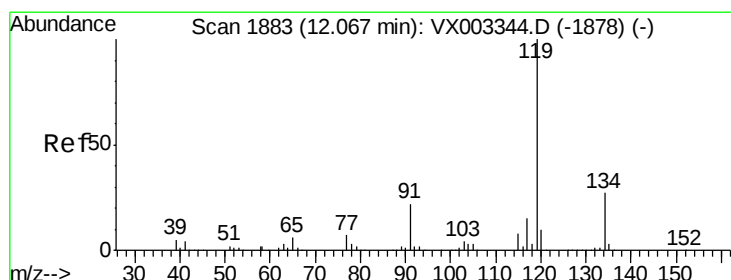
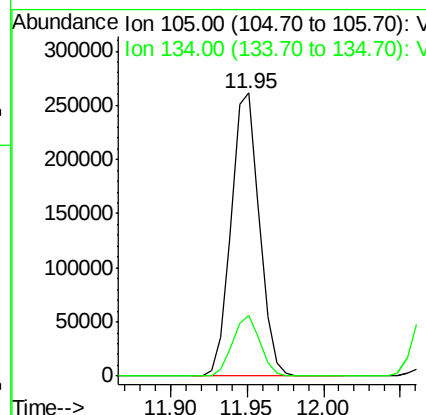
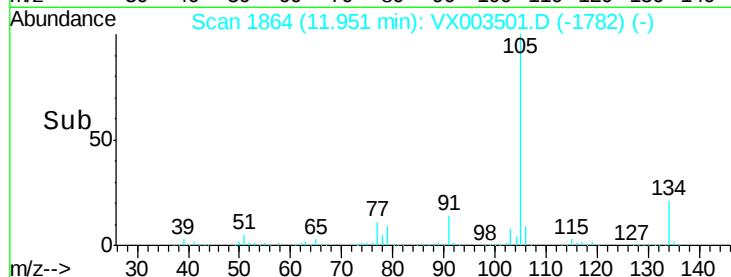
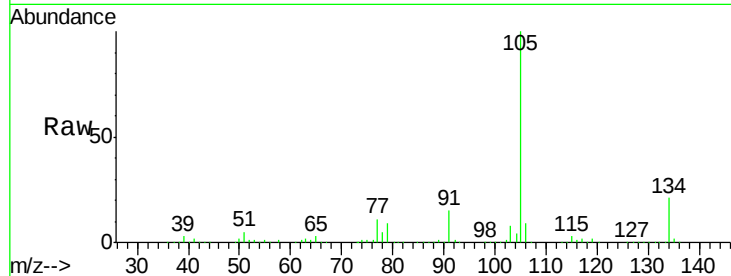
#81
 sec-Butylbenzene
 Concen: 19.02 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Tot Ion:105 Resp: 333771
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 41.6

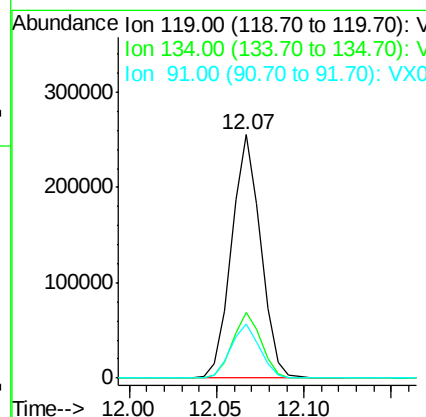
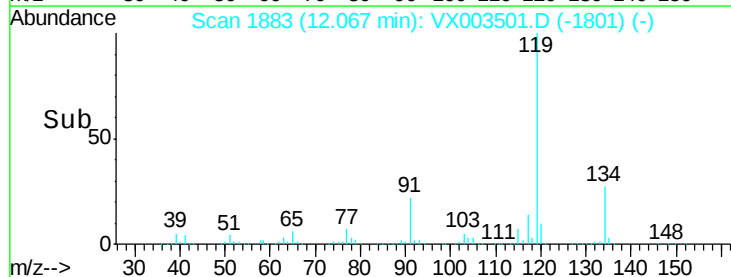
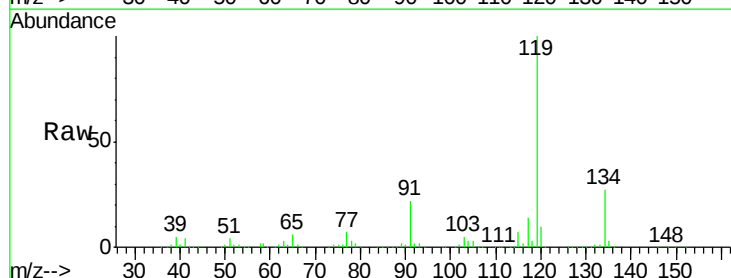
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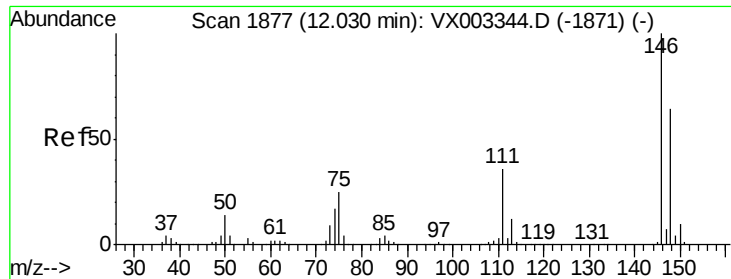
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#82
 p-Isopropyltoluene
 Concen: 18.75 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion:119 Resp: 294631
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.6
 91 22.1 0.0 48.0





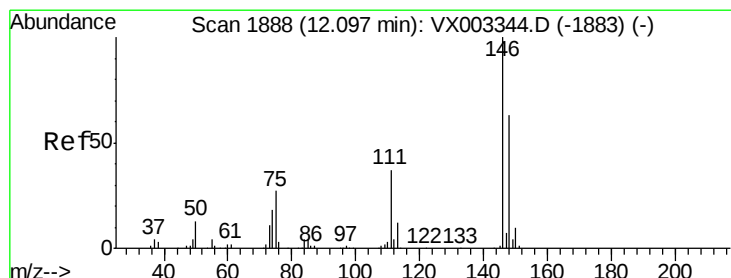
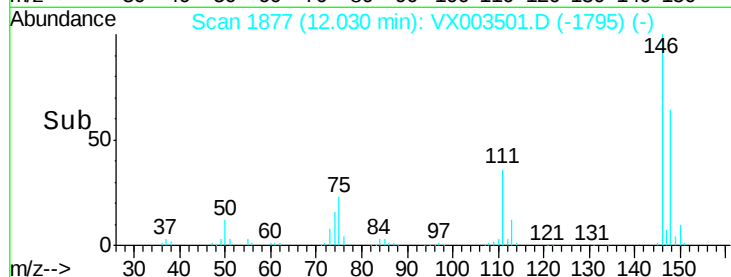
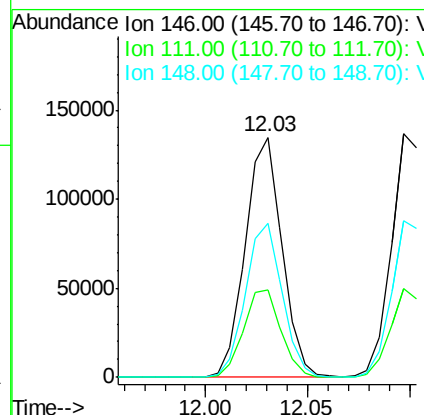
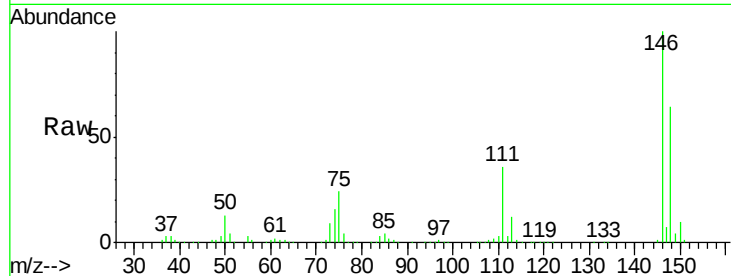
#83
 1,3-Dichlorobenzene
 Concen: 18.70 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.5
148	64.2	31.9	95.7

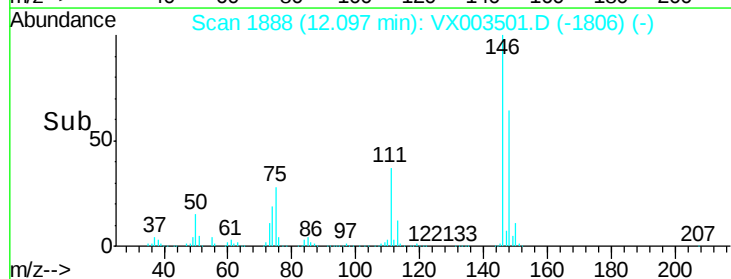
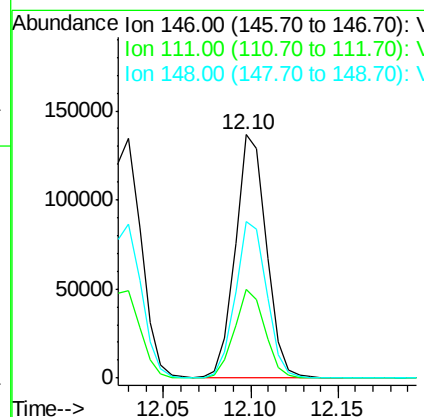
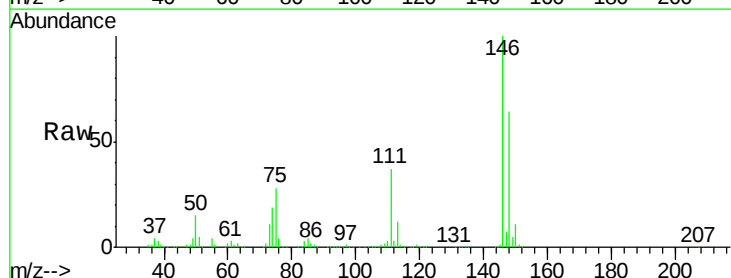
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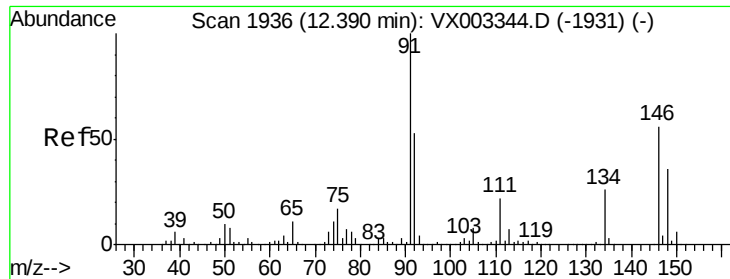
MMDadoda
 7/23/2018 12:34:41 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.55 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.5	55.5
148	64.9	32.0	96.0





#85

n-Butylbenzene

Concen: 18.09 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Instrument :

MSVOA_X

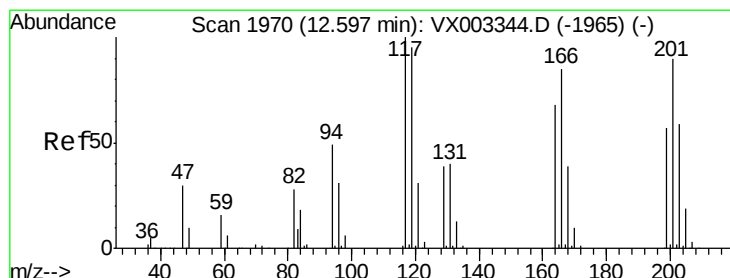
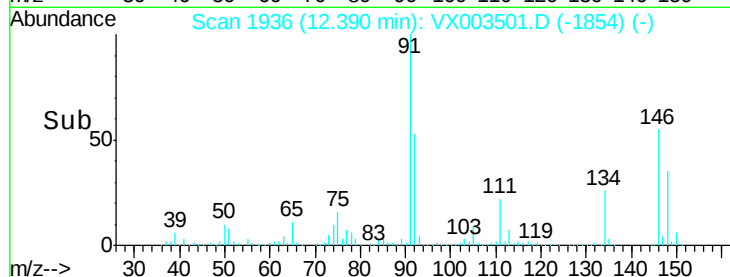
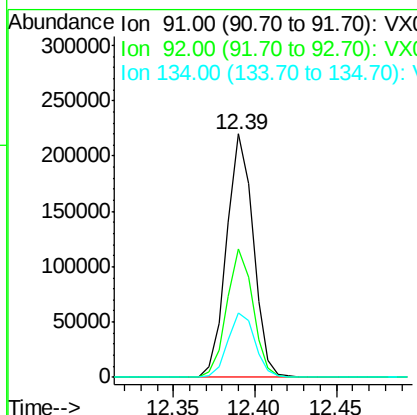
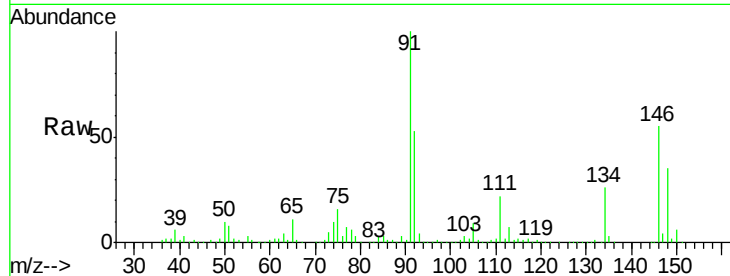
ClientSampleId :

VX0720WBS01

Tot Ion:	91	Resp:	249577
Ion Ratio	Lower	Upper	
91	100		
92	52.1	0.0	105.2
134	26.9	0.0	53.2

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#86

Hexachloroethane

Concen: 16.79 ug/l

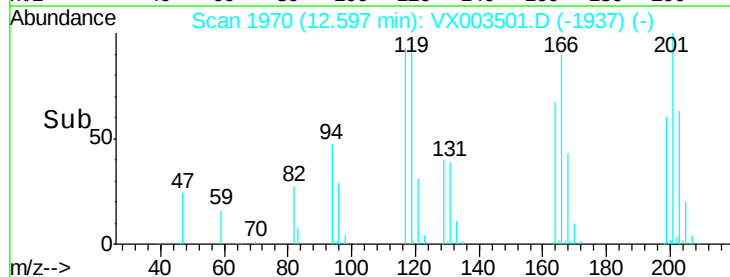
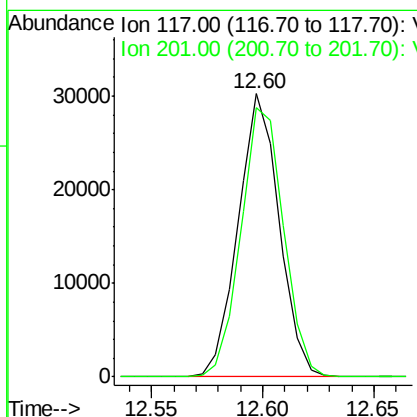
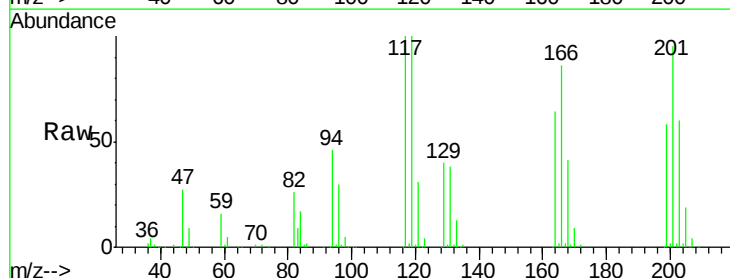
RT: 12.60 min Scan# 1970

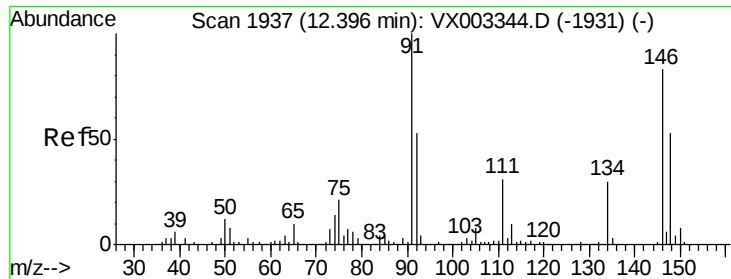
Delta R.T. -0.00 min

Lab File: VX003501.D

Acq: 20 Jul 2018 11:26

Tgt Ion:	117	Resp:	38829
Ion Ratio	Lower	Upper	
117	100		
201	99.0	47.6	142.8





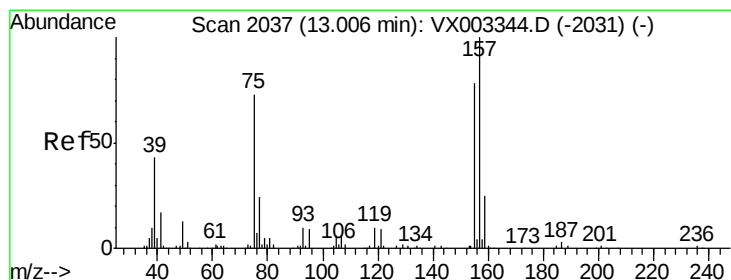
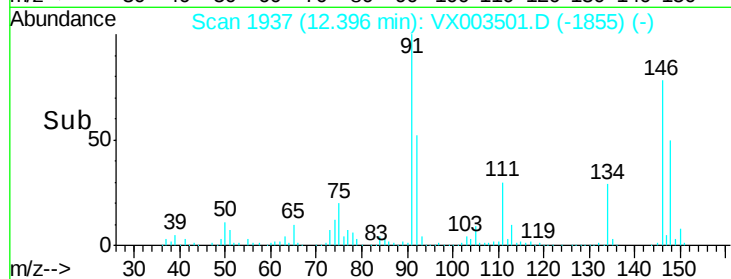
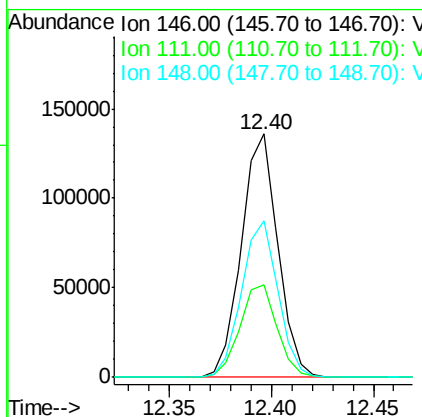
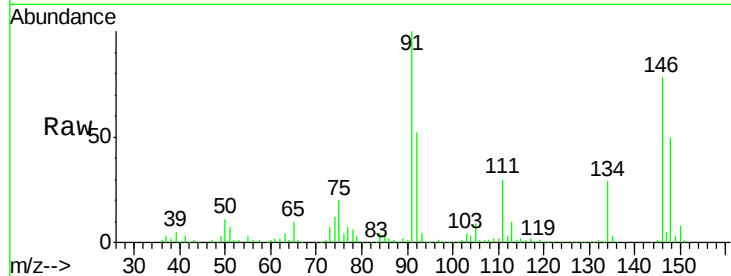
#87
 1,2-Dichlorobenzene
 Concen: 18.73 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	59.9
148	64.4	32.8	98.3

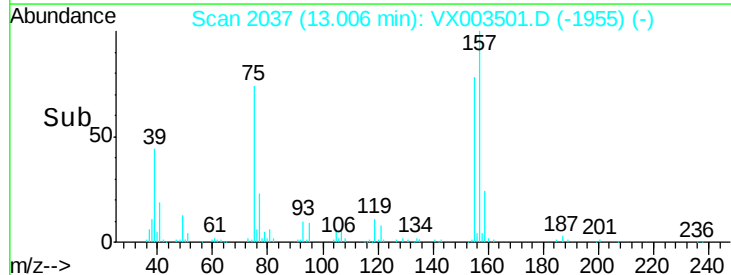
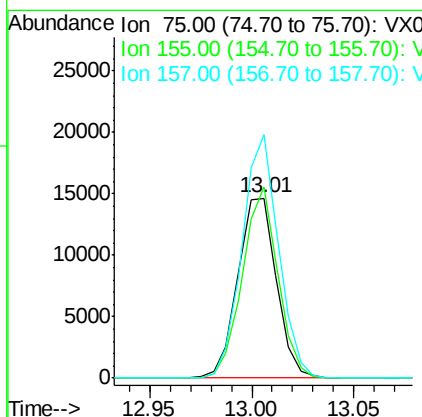
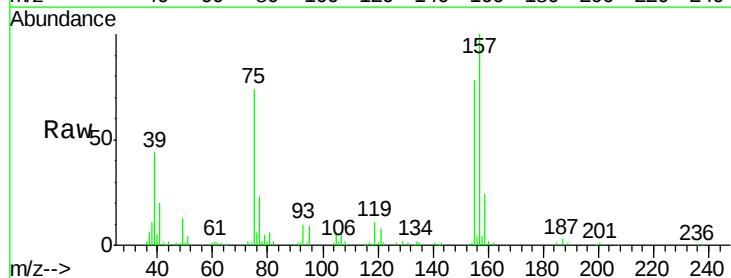
Manual Integrations
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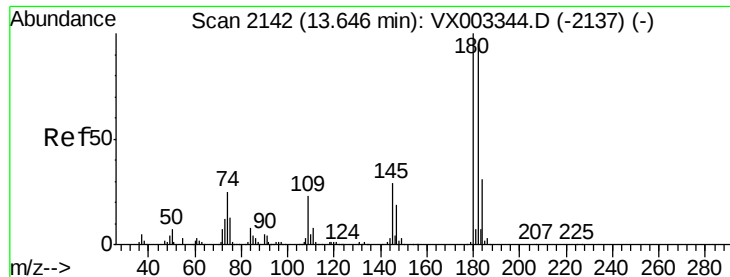
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.84 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	73.1	109.7
157	127.2	93.1	139.7





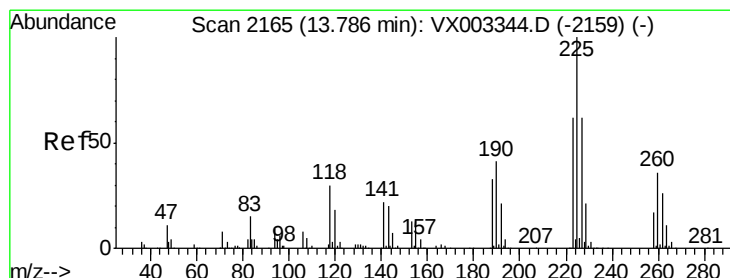
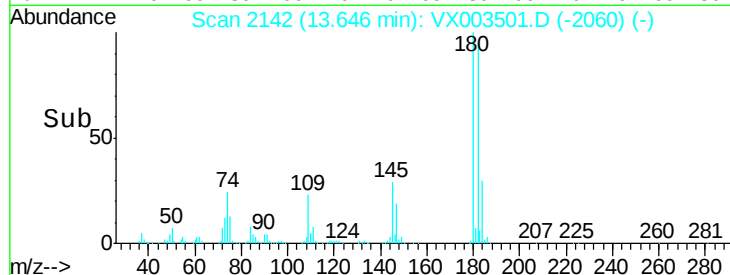
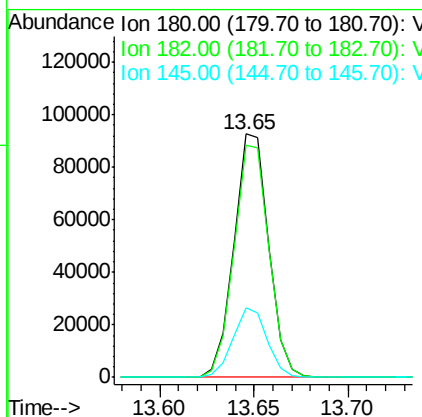
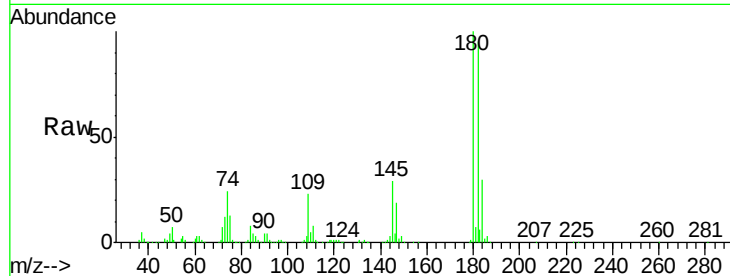
#89
 1,2,4-Trichlorobenzene
 Concen: 18.24 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118236		
182	96.3	76.4	114.6	
145	28.2	22.9	34.3	

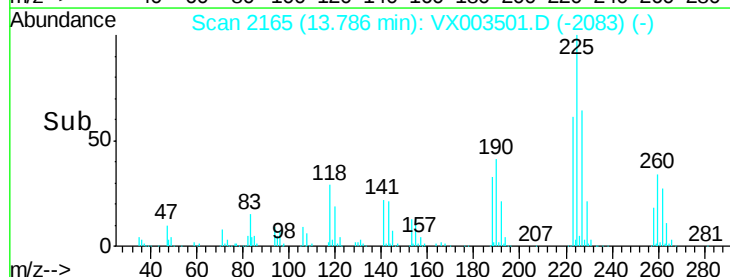
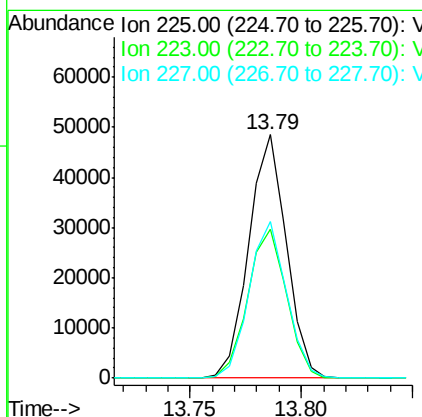
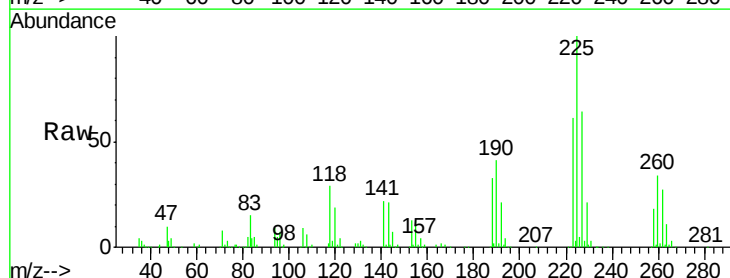
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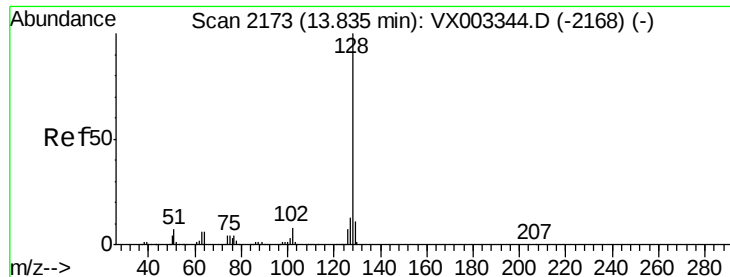
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#90
 Hexachlorobutadiene
 Concen: 18.05 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003501.D
 Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57328		
223	62.9	0.0	122.4	
227	63.9	0.0	128.0	





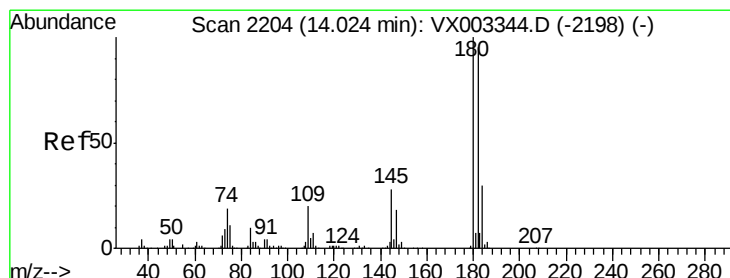
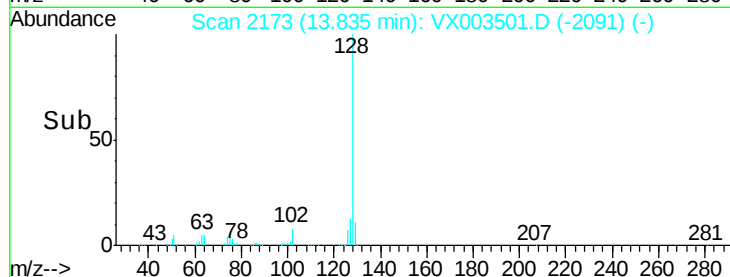
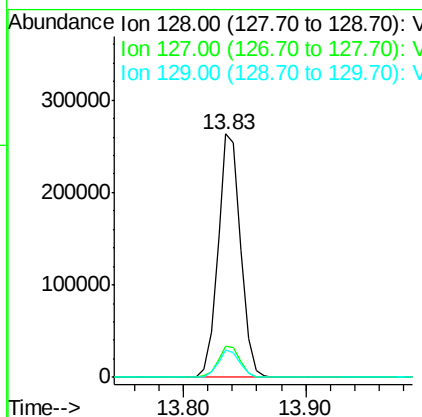
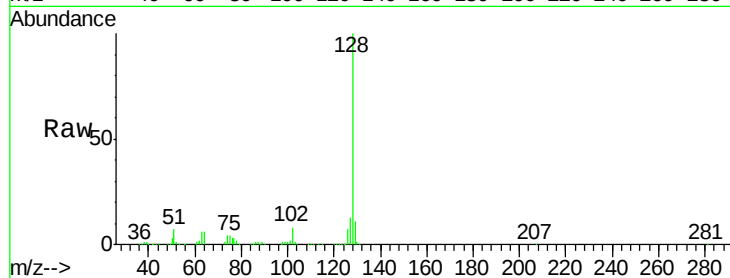
#91
Naphthalene
Concen: 18.00 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 18.63 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003501.D
Acq: 20 Jul 2018 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	0.0	191.0
145	29.5	0.0	60.6

