

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003825.D
 Acq On : 02 Aug 2018 15:11
 Operator : JC/MD
 Sample : VX0802WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:48:24 AM

Quant Time: Aug 03 03:40:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	22671	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	120363	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	110678	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	46214	27.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.57%
60) 4-Bromofluorobenzene	11.14	95	52921	29.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.00%
63) Toluene-d8	8.72	98	151660	30.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	31034	25.92	ug/l	99
3) Chloromethane	1.32	50	37416	23.22	ug/l	100
4) Vinyl Chloride	1.40	62	32226	19.01	ug/l	99
5) Bromomethane	1.64	94	18081	17.85	ug/l	100
6) Chloroethane	1.72	64	18901	17.04	ug/l	94
7) Trichlorofluoromethane	1.93	101	42222	18.52	ug/l	100
8) Diethyl Ether	2.19	74	16645	17.03	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	24891	18.01	ug/l	98
10) 1,1-Dichloroethene	2.37	96	23765	18.28	ug/l	91
11) Methyl Iodide	2.51	142	27376	15.19	ug/l	91
12) Methyl Acetate	2.78	43	48349	20.10	ug/l	94
13) Acrolein	2.29	56	25210	134.40	ug/l	98
14) Acrylonitrile	3.15	53	78400	82.73	ug/l	99
15) Acetone	2.45	58	21857	85.00	ug/l	76
16) Carbon Disulfide	2.57	76	64849	17.97	ug/l	99
17) Allyl chloride	2.73	41	45055	16.75	ug/l	92
18) Methylene Chloride	2.86	84	27344	17.76	ug/l	96
19) trans-1,2-Dichloroethene	3.17	96	25047	17.83	ug/l	96
20) Diisopropyl ether	3.87	45	82883	16.78	ug/l	99
21) 1,1-Dichloroethane	3.70	63	48187	17.23	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	27504	19.39	ug/l	# 74
23) tert-Butyl Alcohol	3.07	59	33818	84.96	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	78813	16.91	ug/l	92
25) Chloroform	5.22	83	46580	19.23	ug/l	99
26) Cyclohexane	5.57	56	40051	19.06	ug/l	# 97
29) 1,1-Dichloropropene	5.79	75	34340	19.32	ug/l	99
30) 2-Butanone	4.71	43	105473	92.92	ug/l	95
31) 2,2-Dichloropropane	4.59	77	33149	19.25	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	39845	19.59	ug/l	97
33) Carbon Tetrachloride	5.78	117	34315	19.42	ug/l	97
34) Benzene	6.15	78	105580	19.33	ug/l	98
35) Methacrylonitrile	5.07	41	22504	19.08	ug/l	93
36) 1,2-Dichloroethane	6.20	62	36579	18.64	ug/l	96
37) Trichloroethene	7.21	130	27621	19.41	ug/l	92
38) Methylcyclohexane	7.46	83	37507	18.57	ug/l	99
39) 1,2-Dichloropropane	7.52	63	27842	19.29	ug/l	95
40) Dibromomethane	7.67	93	17764	19.02	ug/l	97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	33451	18.75	ug/l	99
42) Vinyl Acetate	3.82	43	341484	78.30	ug/l	98
43) Ethyl Acetate	4.87	43	39481	18.62	ug/l	96
44) Isopropyl Acetate	6.47	43	60060	18.47	ug/l	96
45) 1,4-Dioxane	7.76	88	13066	361.79	ug/l #	85
46) Methyl methacrylate	7.78	41	30878	18.40	ug/l	89
47) n-amyl Acetate	10.90	43	52523	17.11	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	40051	18.50	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	36745	18.09	ug/l	92
50) 1,1,2-Trichloroethane	9.22	97	27677	18.67	ug/l	98
51) Ethyl methacrylate	9.18	69	38434	17.22	ug/l	85
52) 1,3-Dichloropropane	9.38	76	45299	18.36	ug/l	99
53) Dibromochloromethane	9.59	129	26852	18.44	ug/l	99
54) 1,2-Dibromoethane	9.68	107	28490	18.38	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	103964	90.30	ug/l	99
56) Bromoform	10.86	173	20777	18.39	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	206243	98.69	ug/l	93
59) 2-Hexanone	9.50	43	157327	94.55	ug/l	94
61) Tetrachloroethene	9.34	164	26412	20.51	ug/l	98
62) Toluene	8.79	91	116479	20.28	ug/l	99
64) Chlorobenzene	10.14	112	72803	19.61	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	26523	20.19	ug/l	99
66) Ethyl Benzene	10.26	91	122707	19.41	ug/l	100
67) m/p-Xylenes	10.36	106	96336	39.57	ug/l	98
68) o-Xylene	10.70	106	45834	19.68	ug/l	97
69) Styrene	10.71	104	76027	19.28	ug/l	97
70) Isopropylbenzene	11.02	105	123471	19.25	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	43719	19.10	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	37717m	19.80	ug/l	
73) Bromobenzene	11.26	156	33445	19.35	ug/l	98
74) n-propylbenzene	11.36	91	143925	19.05	ug/l	100
75) 2-Chlorotoluene	11.42	91	86134	19.35	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	105527	19.39	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	11777	18.15	ug/l	98
78) 4-Chlorotoluene	11.51	91	100359	19.27	ug/l	99
79) tert-butylbenzene	12.07	119	108584	19.39	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	107517	19.31	ug/l	98
81) sec-Butylbenzene	11.95	105	122408	19.32	ug/l	99
82) p-Isopropyltoluene	12.07	119	108584	19.39	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	62036	19.65	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	61994	19.51	ug/l	99
85) n-Butylbenzene	12.39	91	91892	18.49	ug/l	99
86) Hexachloroethane	12.60	117	16500	18.29	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	62236	19.64	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	9076	18.78	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	43516	19.56	ug/l	100
90) Hexachlorobutadiene	13.79	225	20826	20.65	ug/l	99
91) Naphthalene	13.83	128	132387	19.47	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	45057	19.89	ug/l	99

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ClientSampleId :
VX0802WBS01

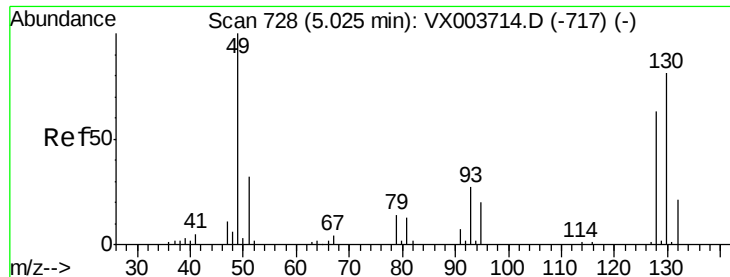
Manual Integrations
APPROVED

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Quant Time: Aug 03 03:40:52 2018
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QLast Update : Fri Jul 27 16:17:43 2018
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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. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBS01

Tot Ion:128 Resp: 22671

Ion Ratio Lower Upper

128 100

49 157.6 0.0 423.0

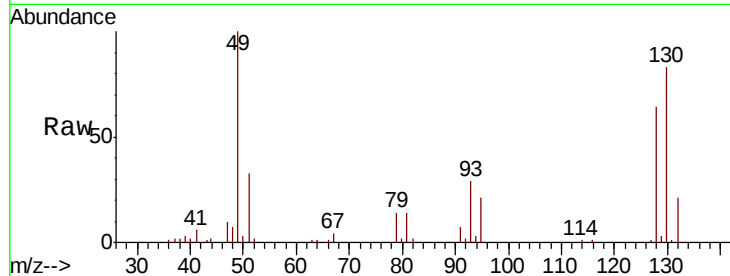
130 126.6 0.0 324.3

Manual Integrations

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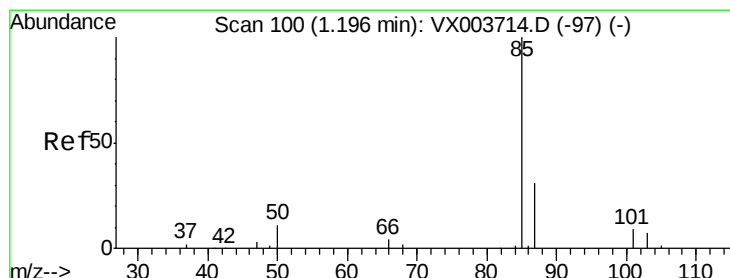
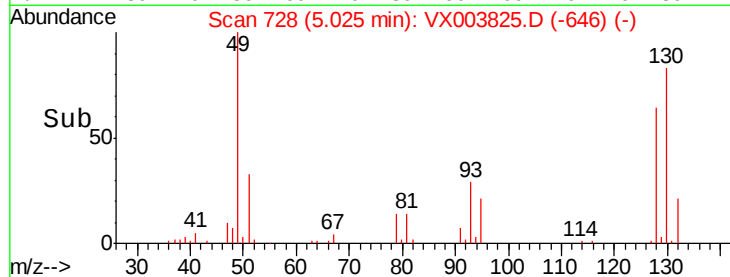
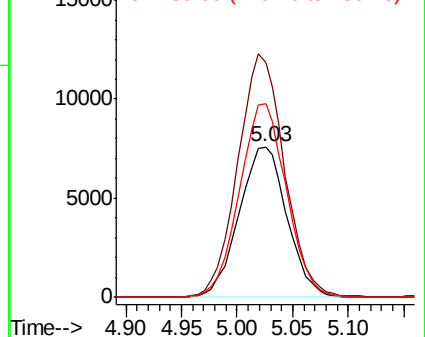
8/3/2018 9:48:24 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 25.92 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003825.D

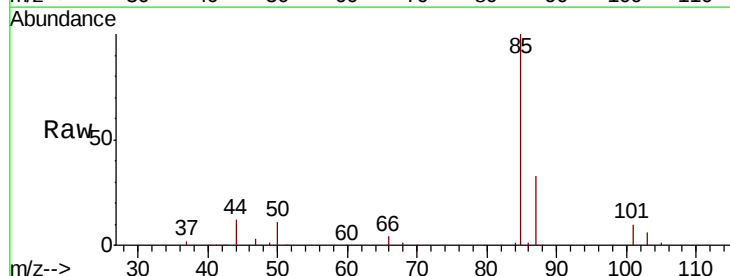
Acq: 02 Aug 2018 15:11

Tgt Ion: 85 Resp: 31034

Ion Ratio Lower Upper

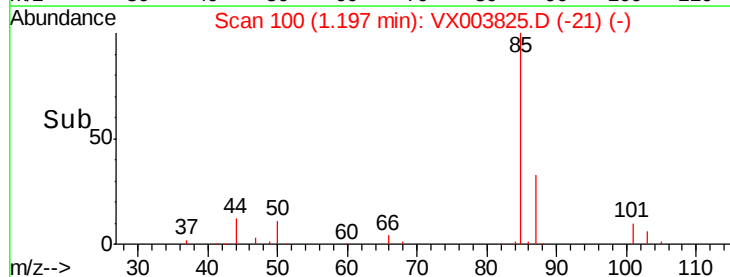
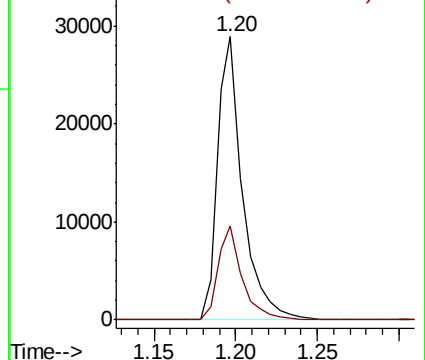
85 100

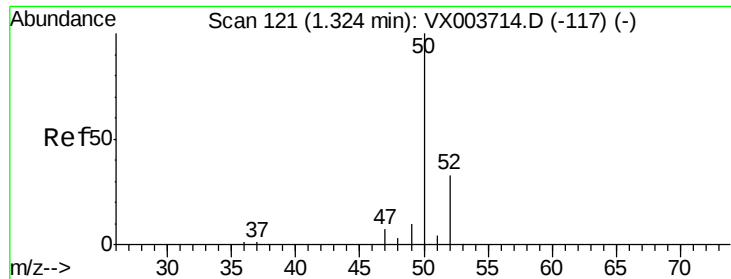
87 33.1 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





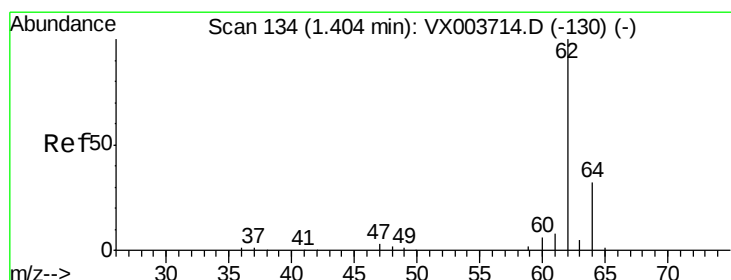
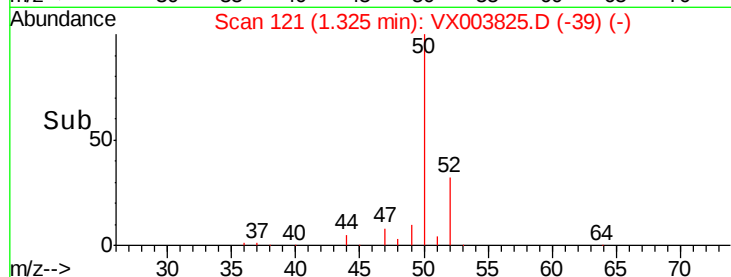
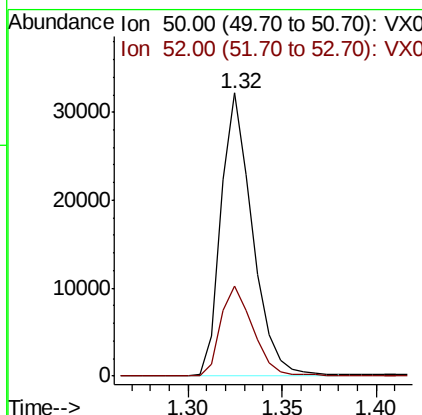
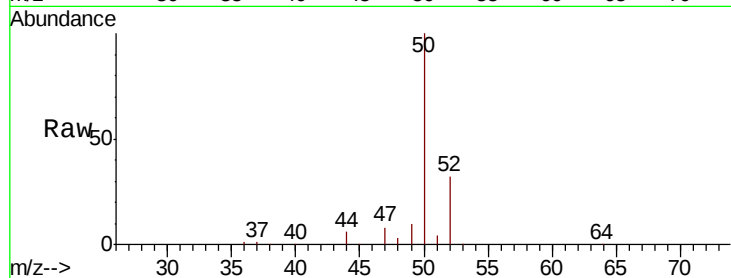
#3
Chloromethane
Concen: 23.22 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion: 50 Resp: 37416
Ion Ratio Lower Upper
50 100
52 32.0 25.6 38.4

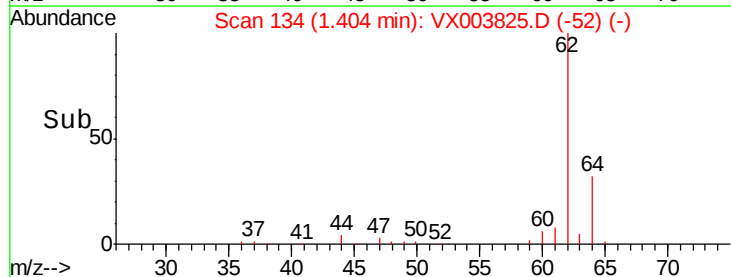
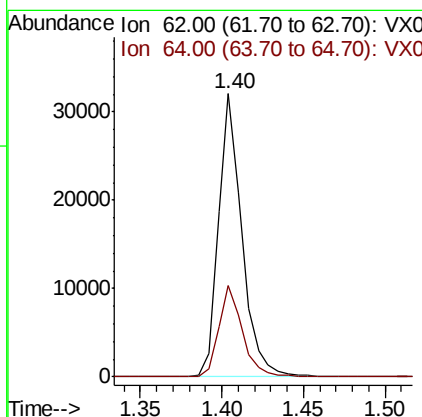
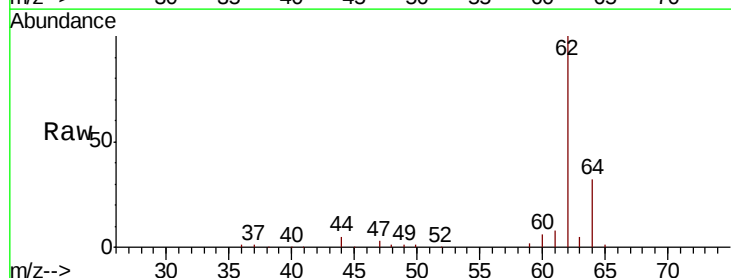
Manual Integrations
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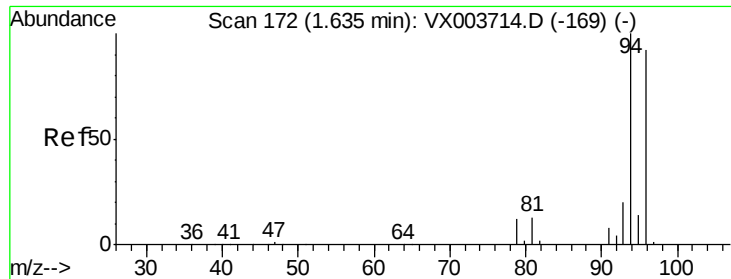
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#4
Vinyl Chloride
Concen: 19.01 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion: 62 Resp: 32226
Ion Ratio Lower Upper
62 100
64 32.2 25.3 37.9





#5

Bromomethane

Concen: 17.85 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion: 94 Resp: 18081

Ion Ratio Lower Upper

94 100

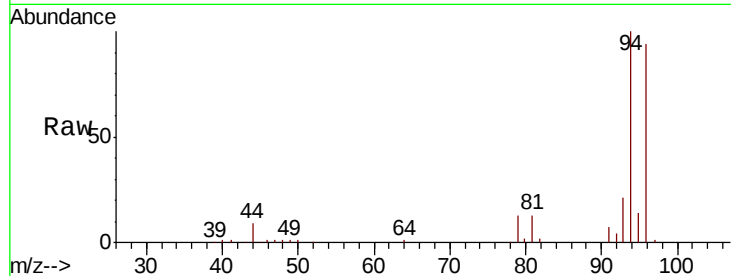
96 94.4 75.7 113.5

Manual Integrations

APPROVED

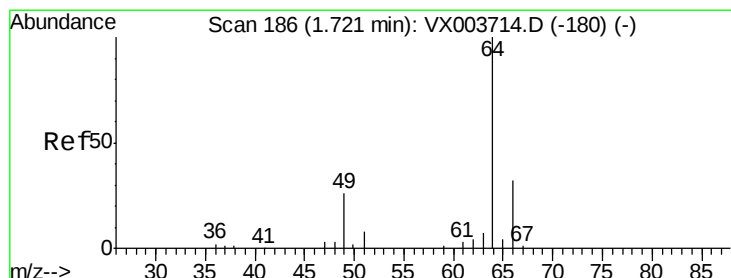
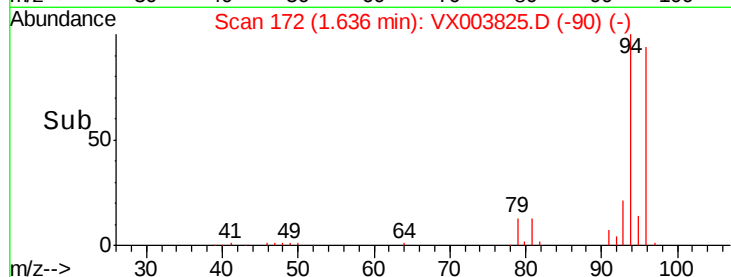
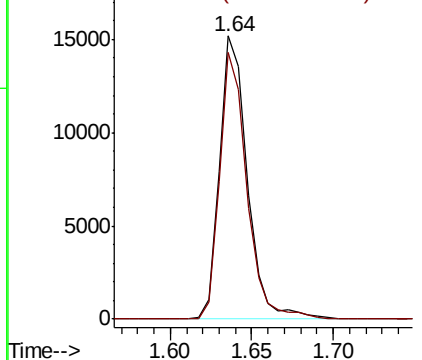
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.04 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003825.D

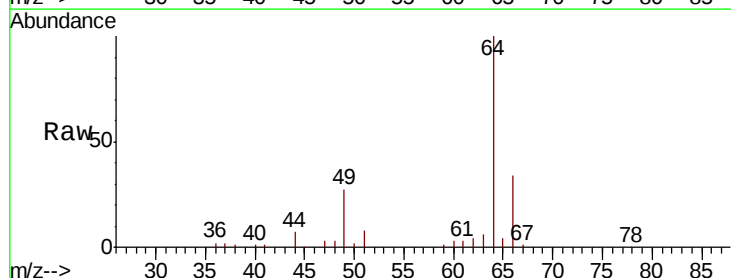
Acq: 02 Aug 2018 15:11

Tgt Ion: 64 Resp: 18901

Ion Ratio Lower Upper

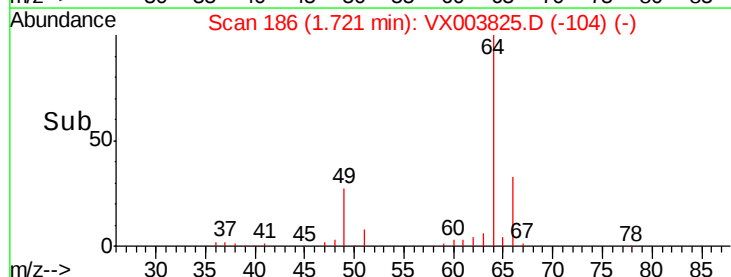
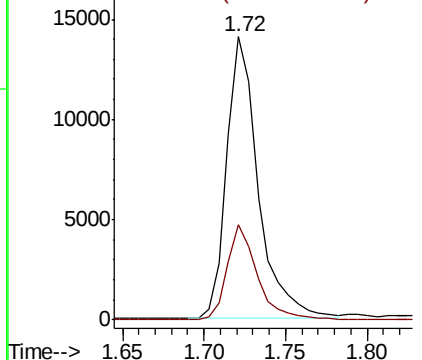
64 100

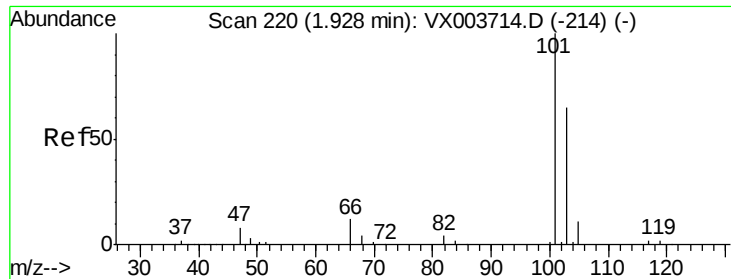
66 33.9 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

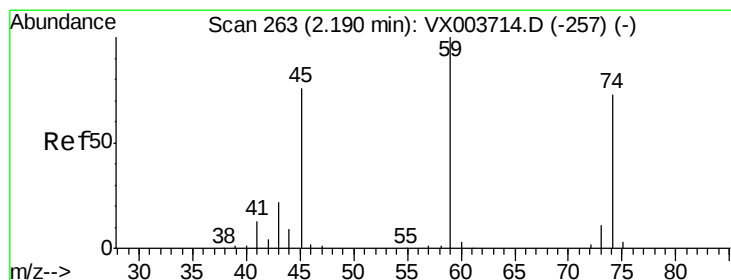
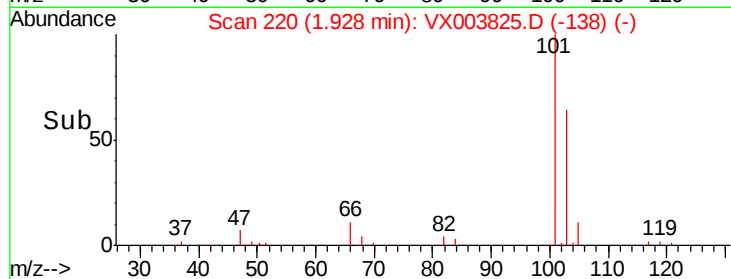
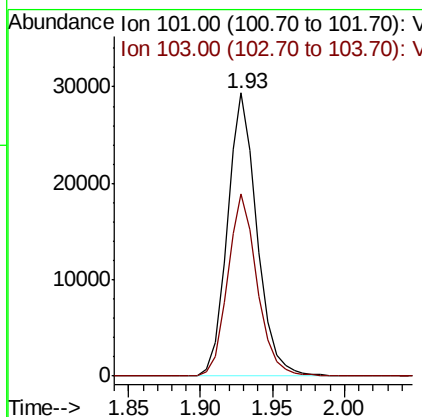
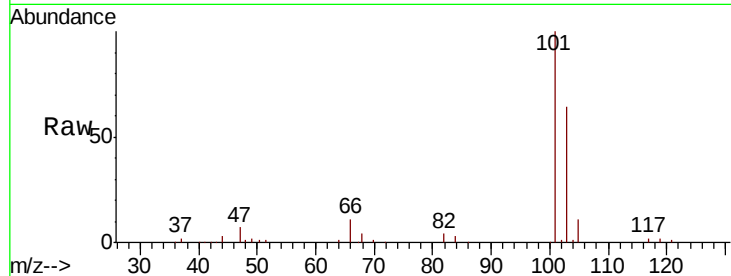
Trichlorofluoromethane
 Concen: 18.52 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		42222		
103	64.3	51.5	77.3		

Manual Integrations
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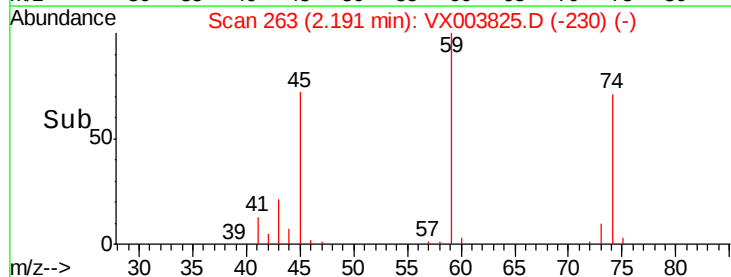
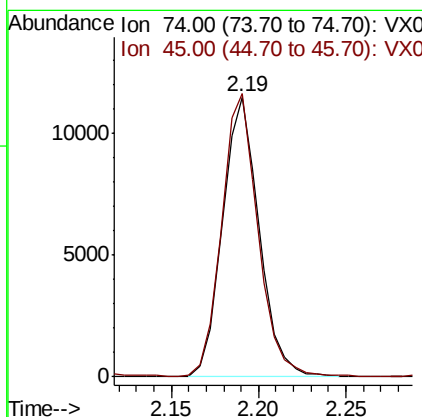
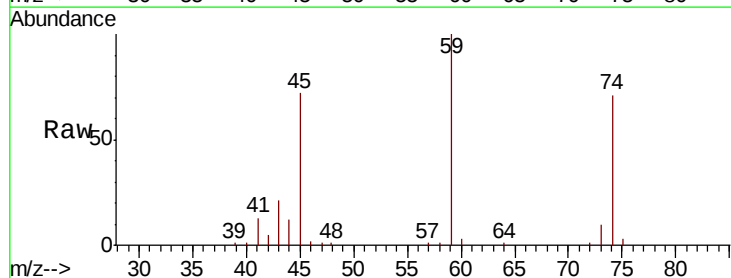
MMDadoda
 8/3/2018 9:48:24 AM

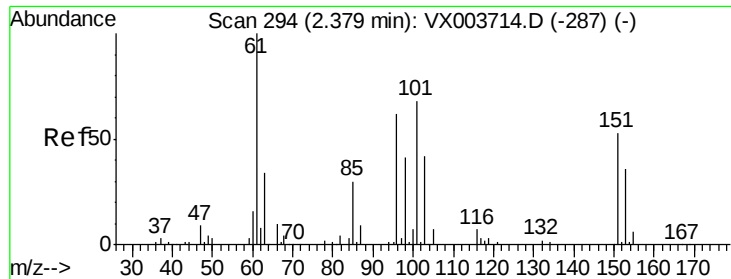


#8

Diethyl Ether
 Concen: 17.03 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		16645		
45	101.0	20.5	184.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.01 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

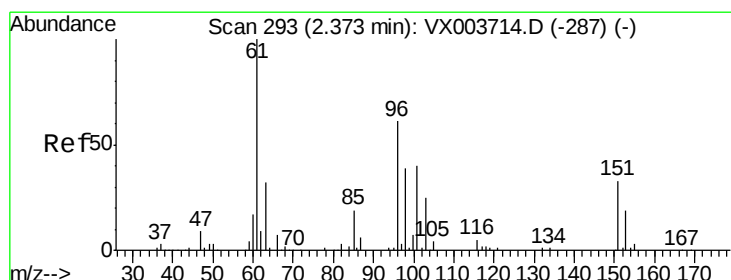
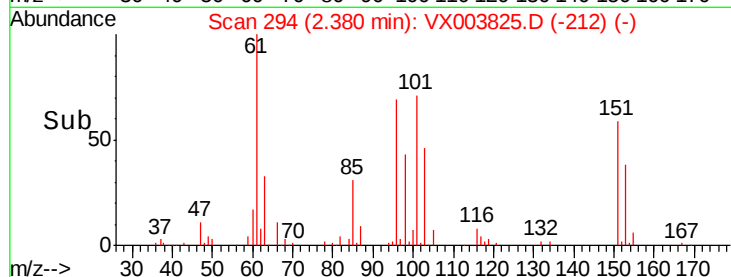
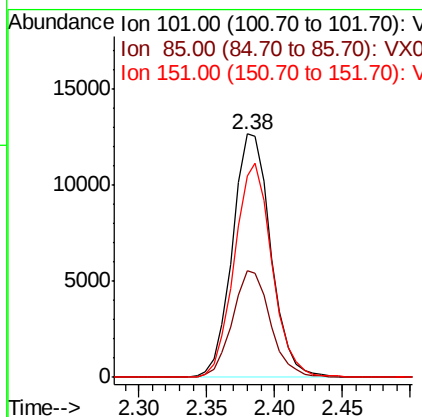
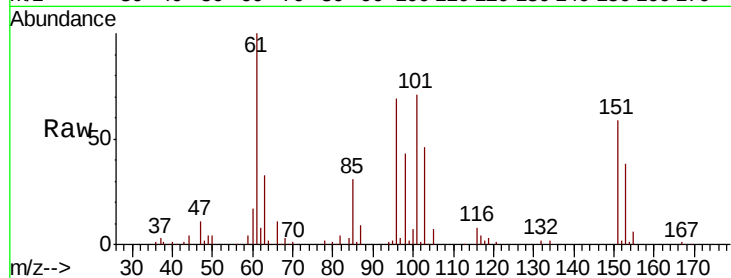
ClientSampleId :

VX0802WBS01

Tot Ion:	101	Resp:	24891
Ion Ratio	Lower	Upper	
101	100		
85	43.1	0.0	87.0
151	86.3	0.0	177.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.28 ug/l

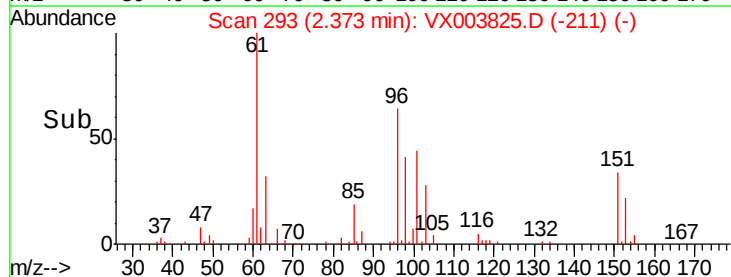
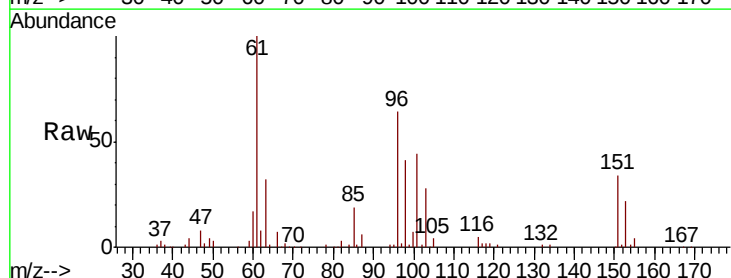
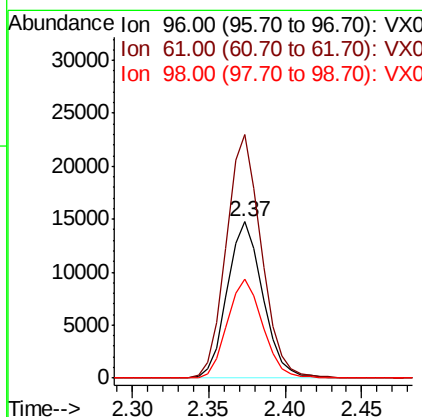
RT: 2.37 min Scan# 293

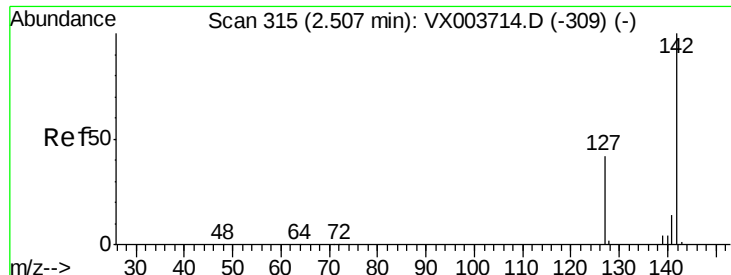
Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Tgt Ion:	96	Resp:	23765
Ion Ratio	Lower	Upper	
96	100		
61	155.7	137.5	206.3
98	63.2	51.4	77.2





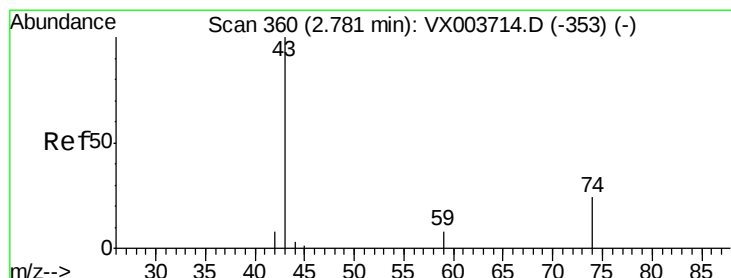
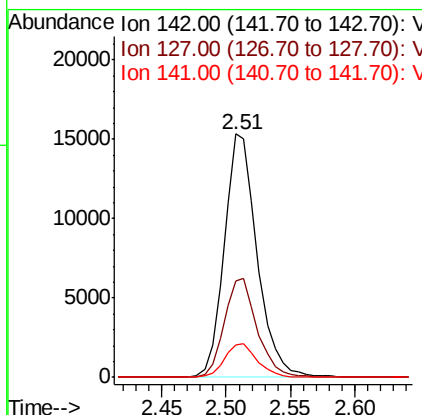
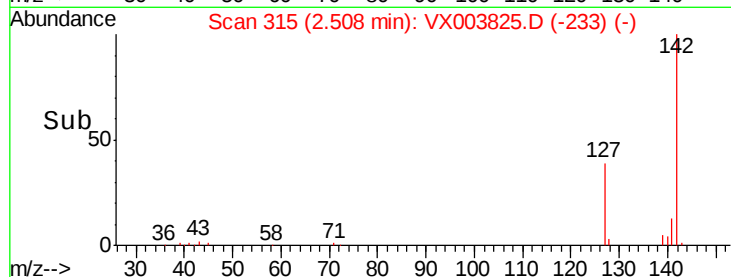
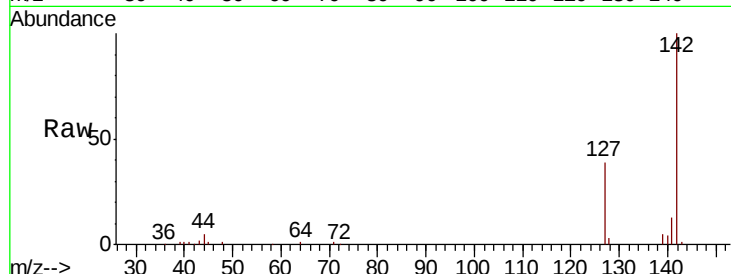
#11
Methyl Iodide
Concen: 15.19 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.5	23.2	69.6
141	13.4	7.4	22.2

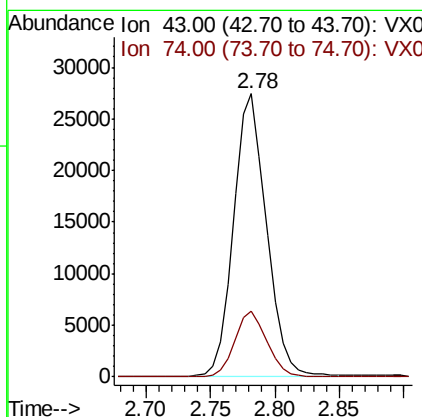
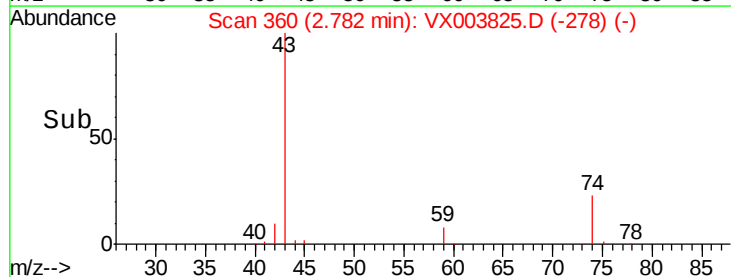
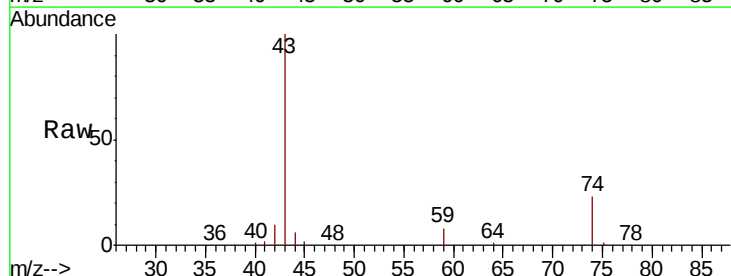
Manual Integrations
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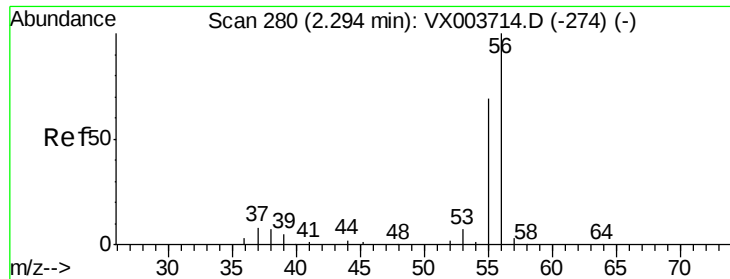
MMDadoda
8/3/2018 9:48:24 AM



#12
Methyl Acetate
Concen: 20.10 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	16.4	24.6





#13

Acrolein

Concen: 134.40 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBS01

Tot Ion: 56 Resp: 25210

Ion Ratio Lower Upper

56 100

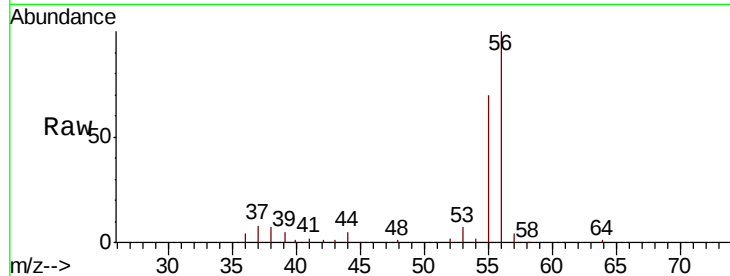
55 70.3 57.3 85.9

Manual Integrations

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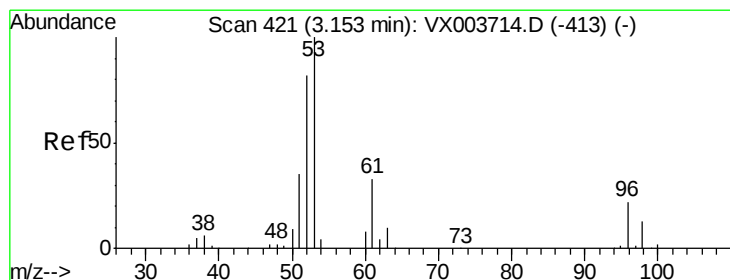
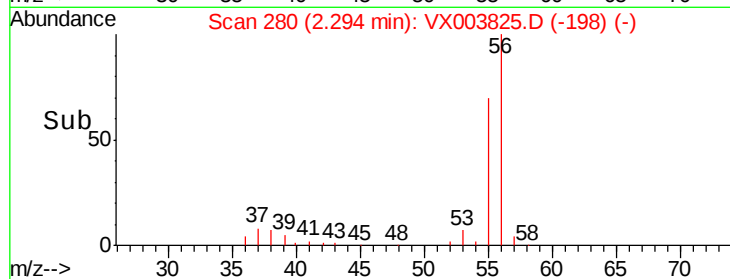
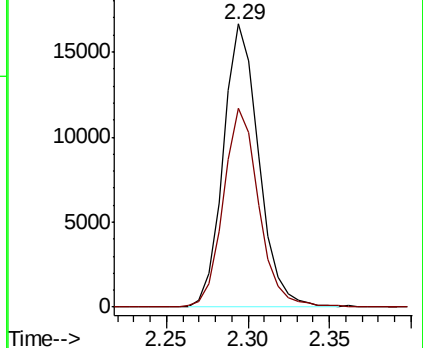
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 82.73 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

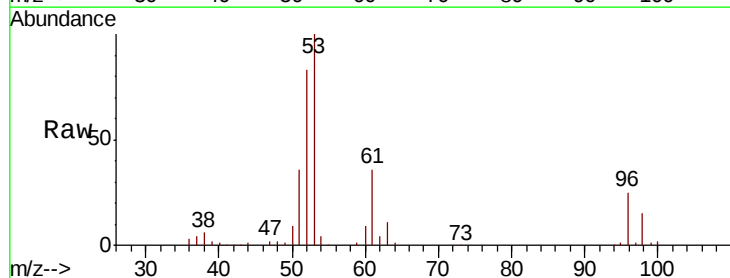
Tgt Ion: 53 Resp: 78400

Ion Ratio Lower Upper

53 100

52 82.5 41.5 124.6

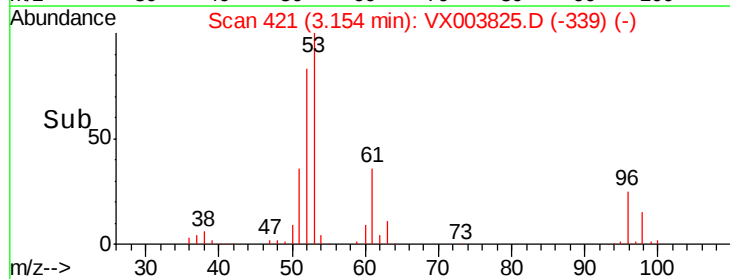
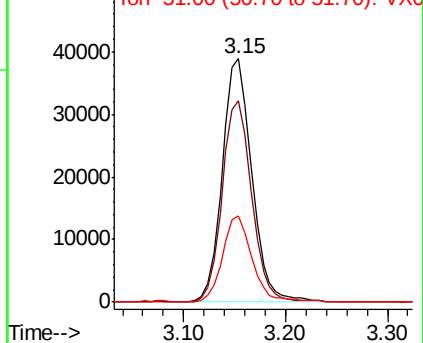
51 35.5 17.9 53.8

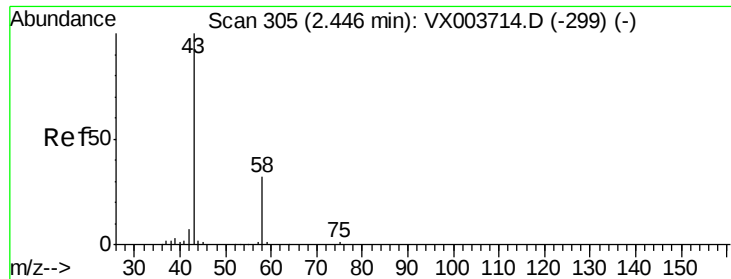


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 85.00 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBS01

Tot Ion: 58 Resp: 21857

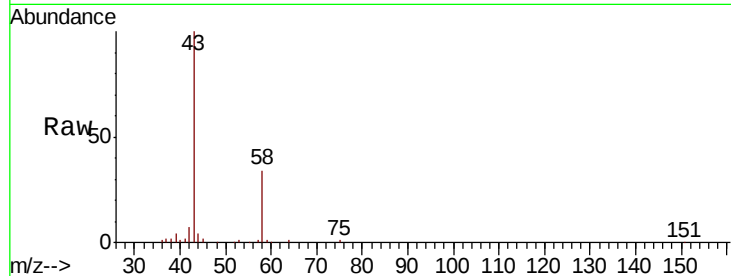
Ion Ratio Lower Upper

58 100

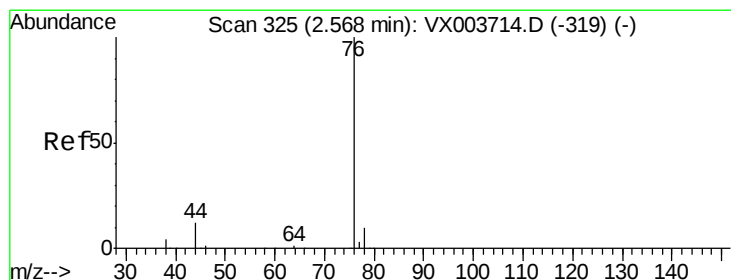
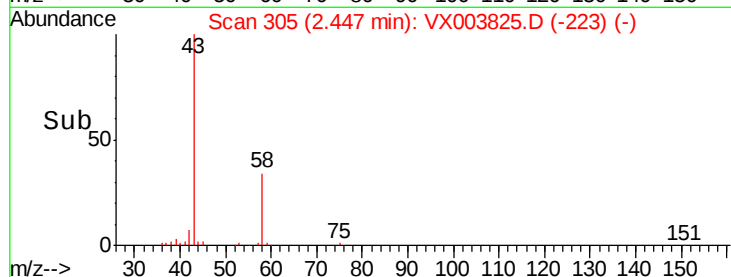
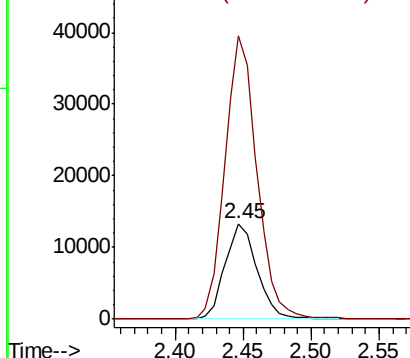
43 295.9 278.8 418.2

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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: 17.97 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003825.D

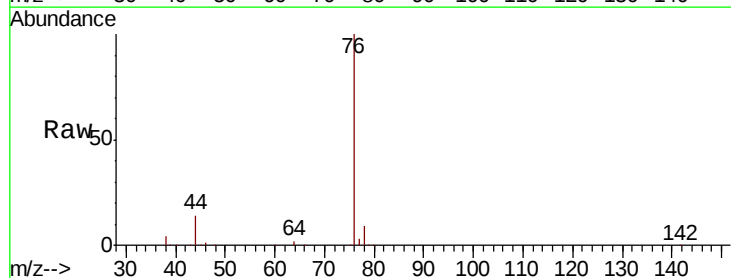
Acq: 02 Aug 2018 15:11

Tgt Ion: 76 Resp: 64849

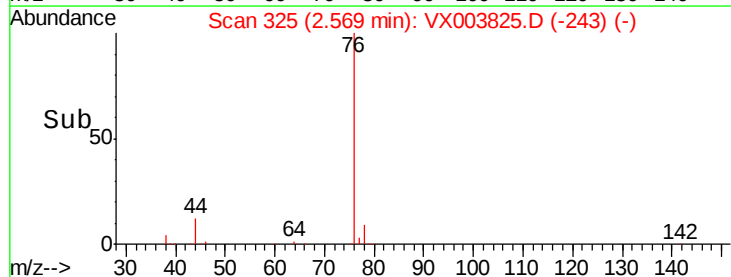
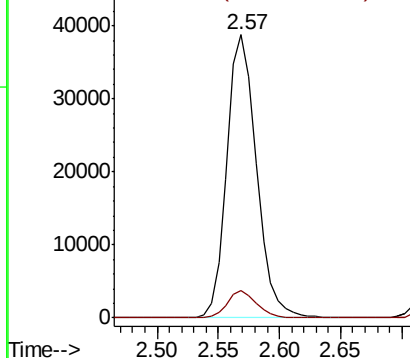
Ion Ratio Lower Upper

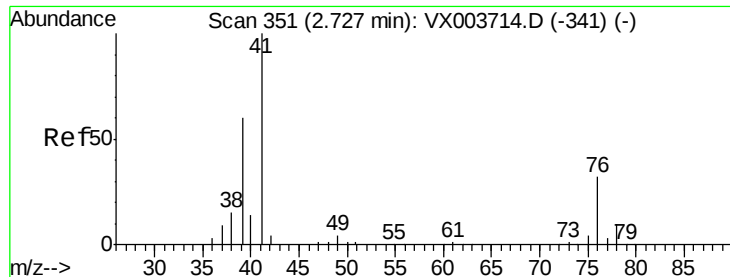
76 100

78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





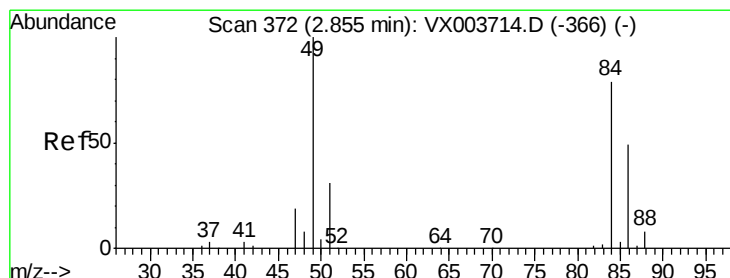
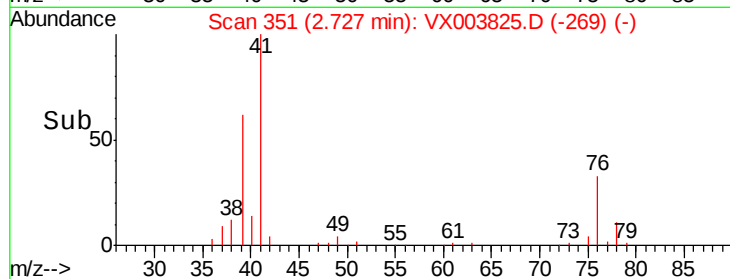
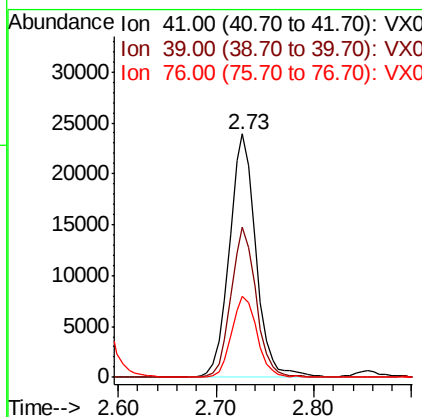
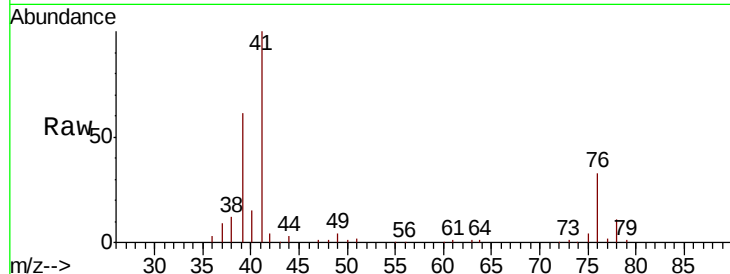
#17
Allvl chloride
Concen: 16.75 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion:	41	Resp:	45055
Ion	Ratio	Lower	Upper
41	100		
39	61.5	34.6	103.8
76	33.2	15.0	45.1

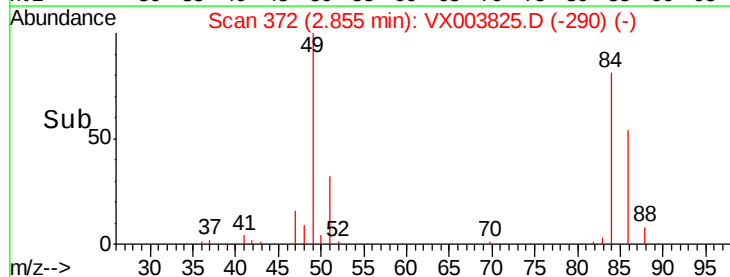
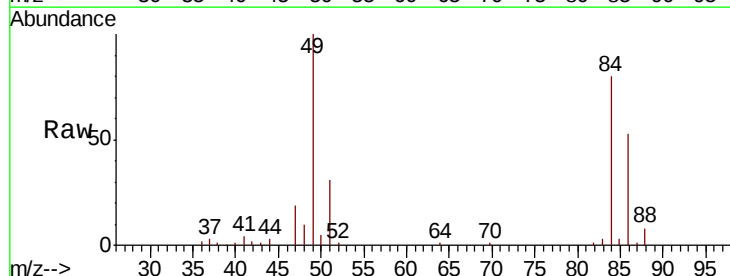
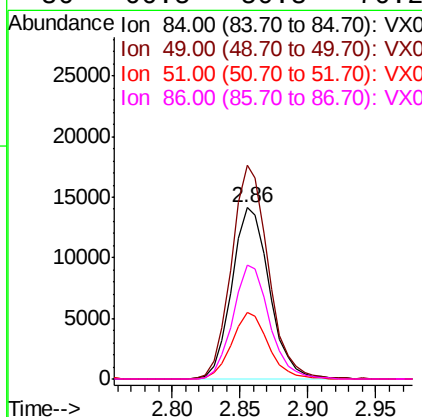
Manual Integrations
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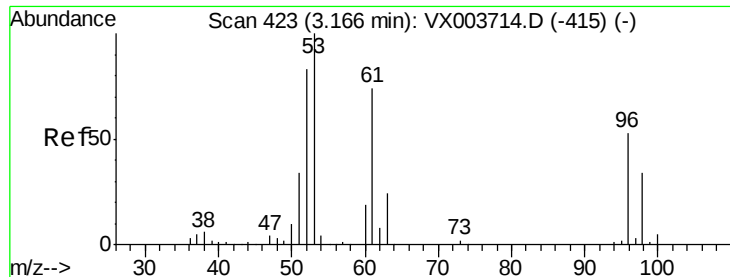
MMDadoda
8/3/2018 9:48:24 AM



#18
Methylene Chloride
Concen: 17.76 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion:	84	Resp:	27344
Ion	Ratio	Lower	Upper
84	100		
49	124.6	104.7	157.1
51	39.1	31.0	46.4
86	66.5	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 17.83 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBS01

Tot Ion: 96 Resp: 25047

Ion Ratio Lower Upper

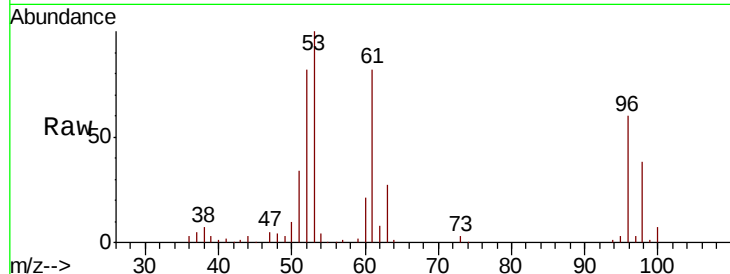
96 100

61 136.5 114.6 172.0

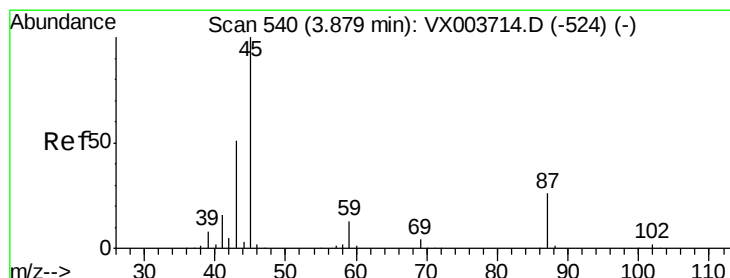
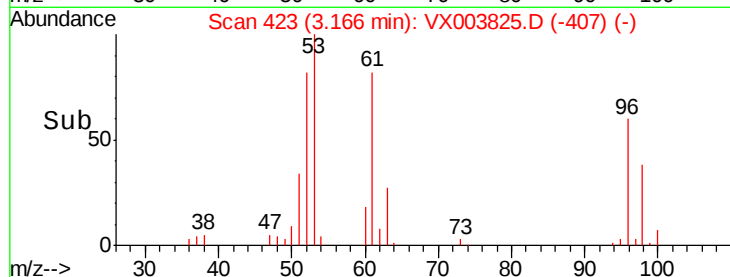
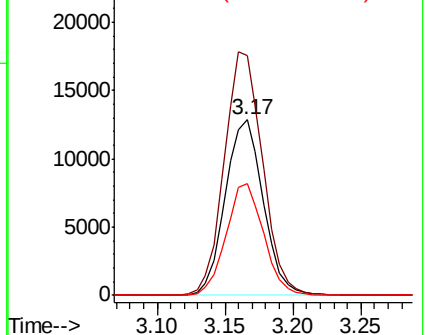
98 63.4 51.3 76.9

Manual Integrations
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Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 16.78 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Tgt Ion: 45 Resp: 82883

Ion Ratio Lower Upper

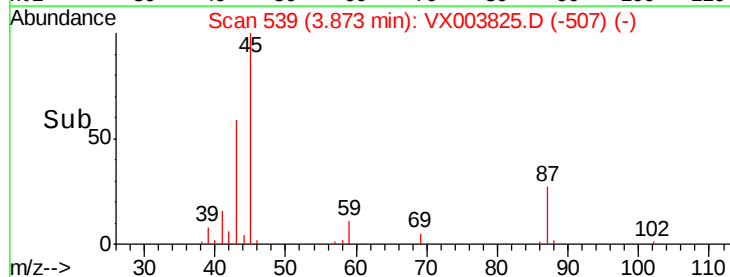
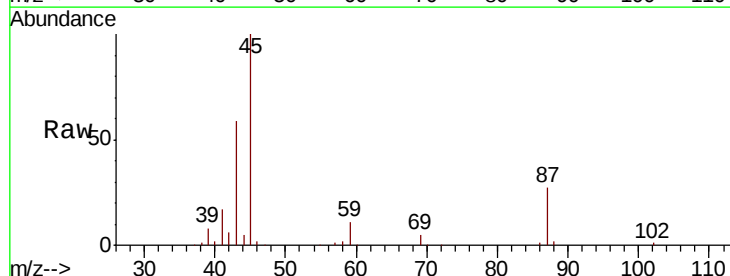
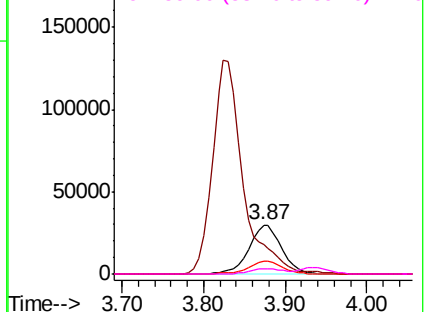
45 100

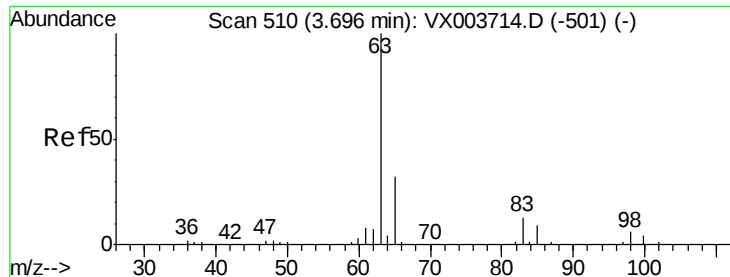
43 57.4 45.6 68.4

87 26.9 20.7 31.1

59 11.3 8.9 13.3

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 17.23 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

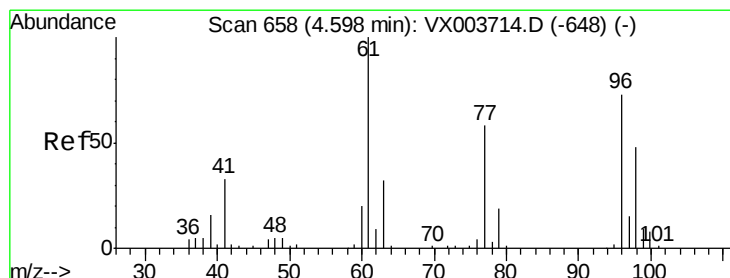
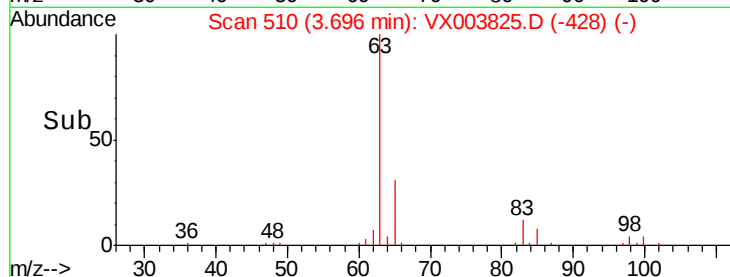
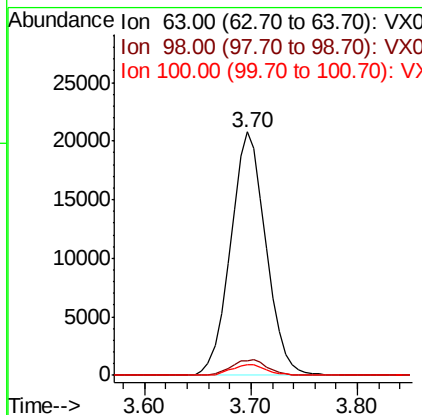
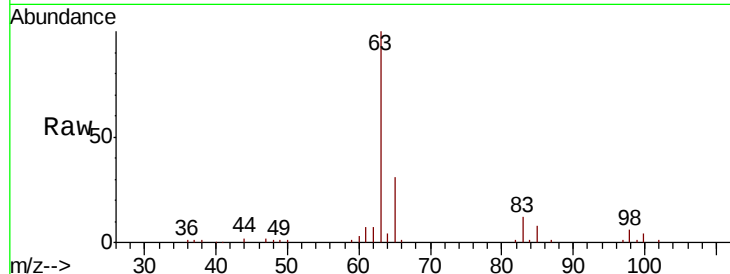
ClientSampleId :

VX0802WBS01

Tot Ion:	63	Resp:	48187
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.1	9.3
100	4.2	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.39 ug/l

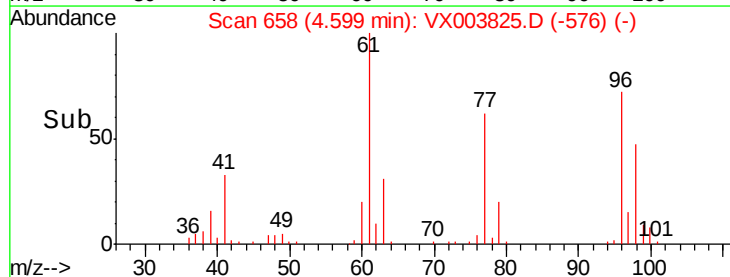
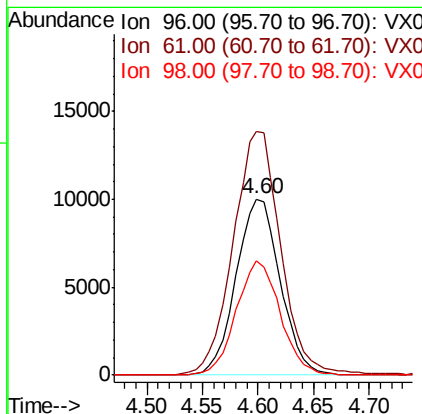
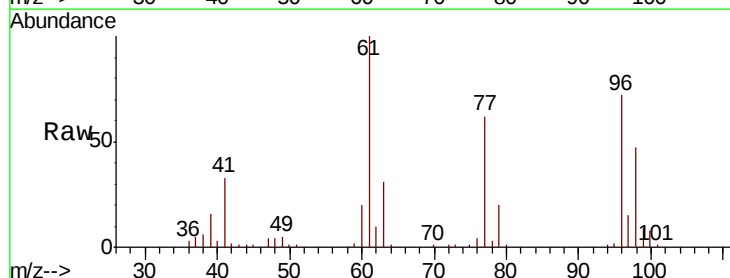
RT: 4.60 min Scan# 658

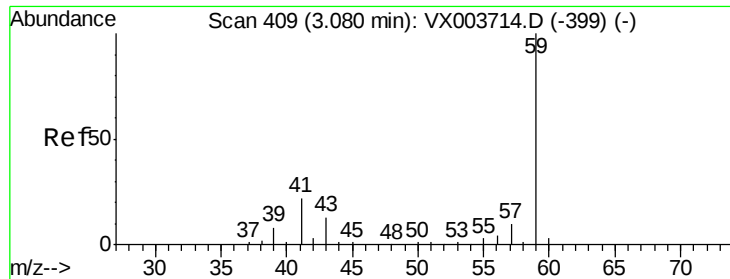
Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Tgt Ion:	96	Resp:	27504
Ion Ratio	Lower	Upper	
96	100		
61	149.7	160.2	240.2#
98	64.4	54.1	81.1





#23

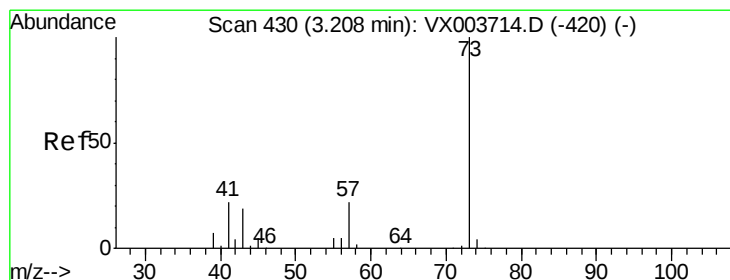
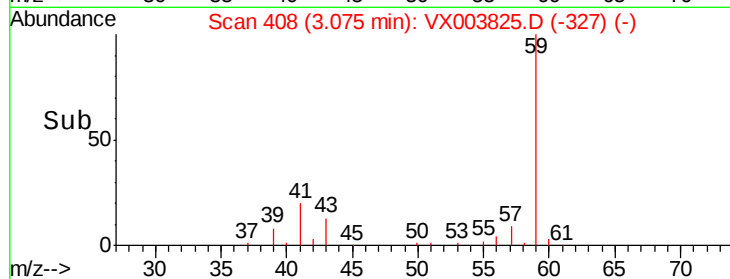
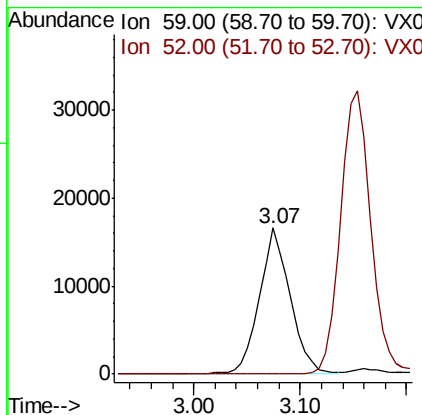
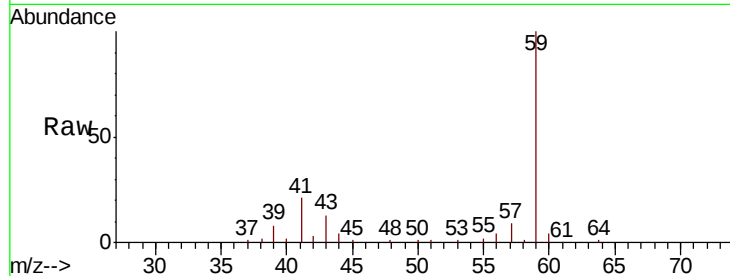
tert-Butyl Alcohol
Concen: 84.96 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion: 59 Resp: 33818
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#

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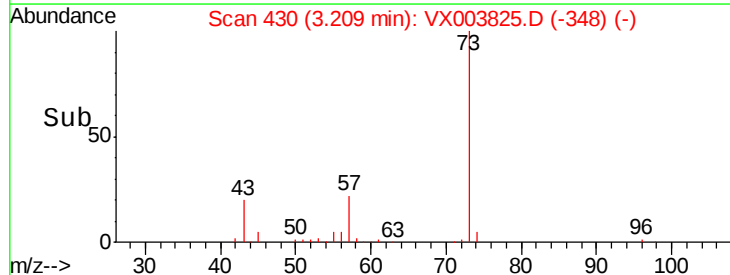
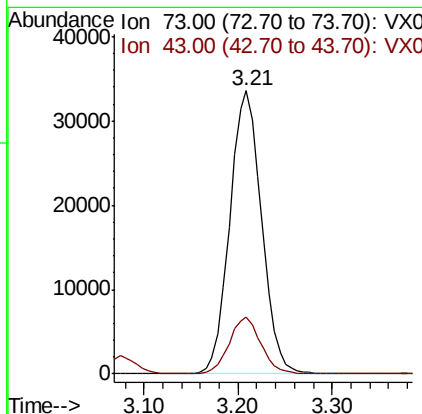
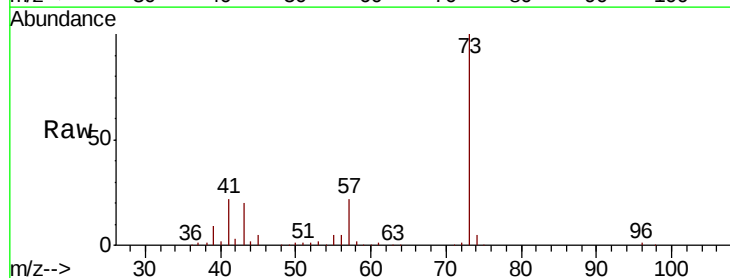
MMDadoda
8/3/2018 9:48:24 AM

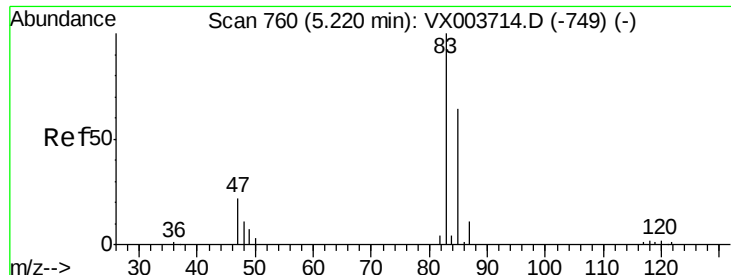


#24

Methyl tert-Butyl Ether
Concen: 16.91 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion: 73 Resp: 78813
Ion Ratio Lower Upper
73 100
43 19.6 19.0 28.4





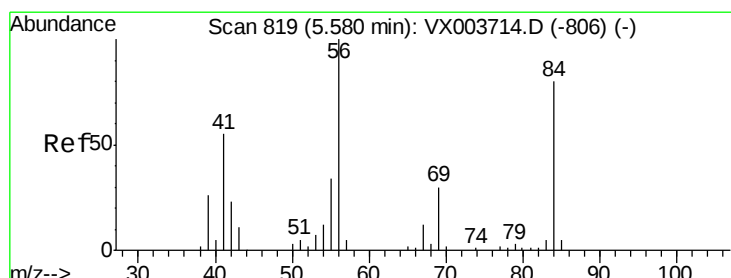
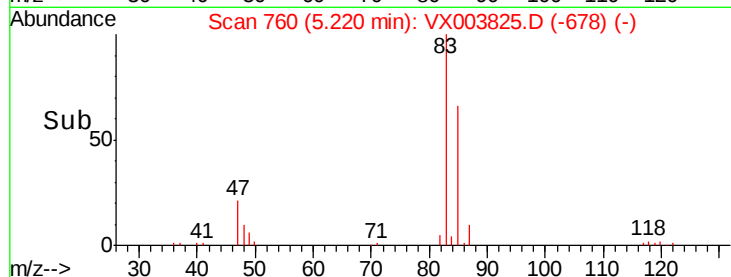
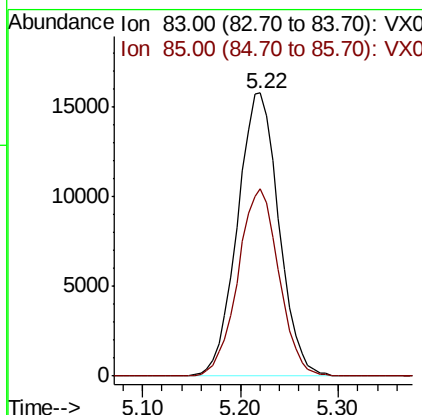
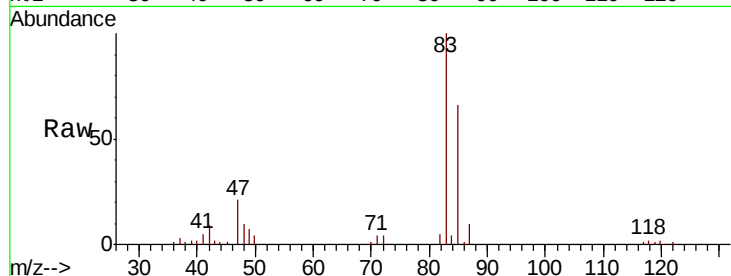
#25
Chloroform
Concen: 19.23 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	83	Resp	46580
Ion Ratio	100	Lower	Upper
83	100		
85	66.1	51.9	77.9

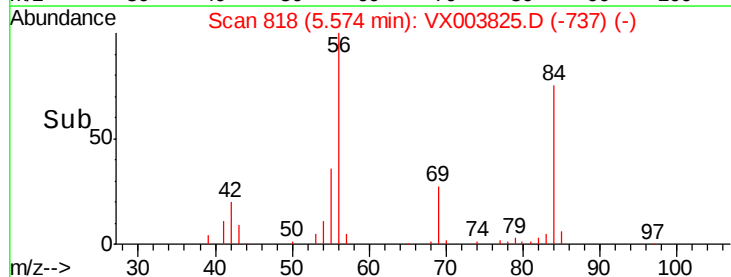
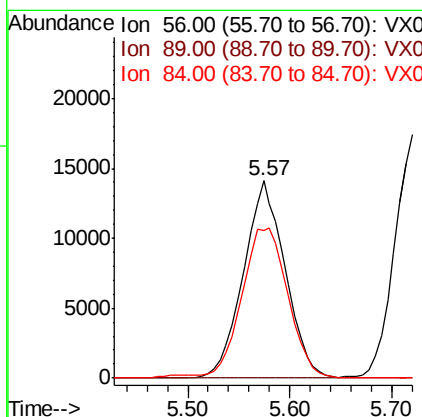
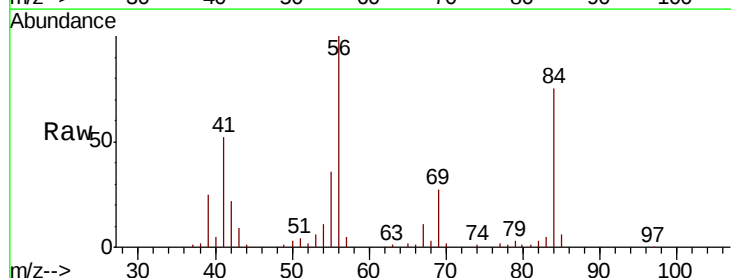
Manual Integrations
APPROVED

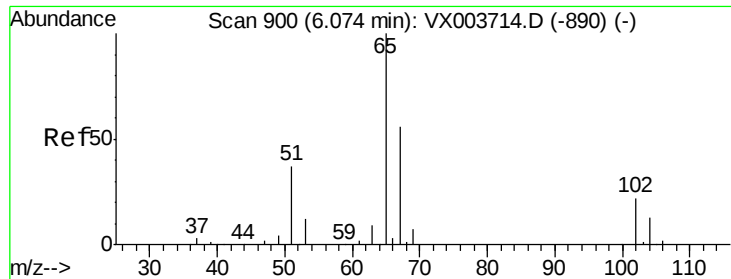
MMDadoda
8/3/2018 9:48:24 AM



#26
Cyclohexane
Concen: 19.06 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	56	Resp	40051
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	84.0	64.9	97.3





#27

1,2-Dichloroethane-d4

Concen: 27.77 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBS01

Tot Ion: 65 Resp: 46214

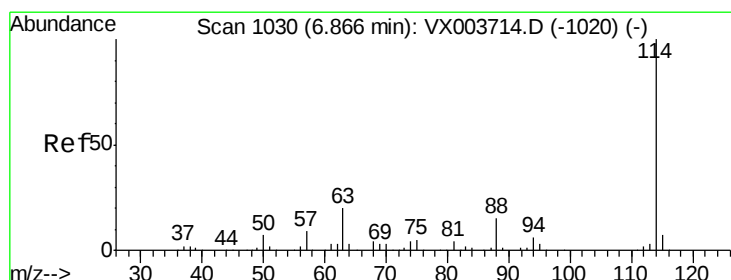
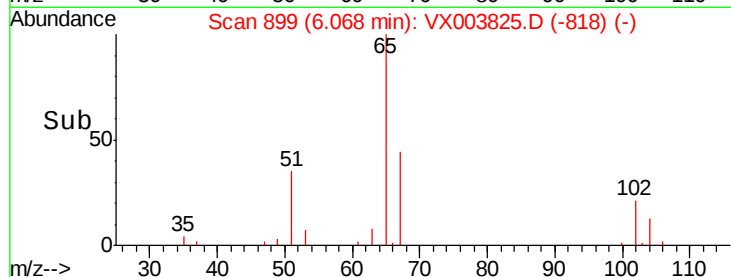
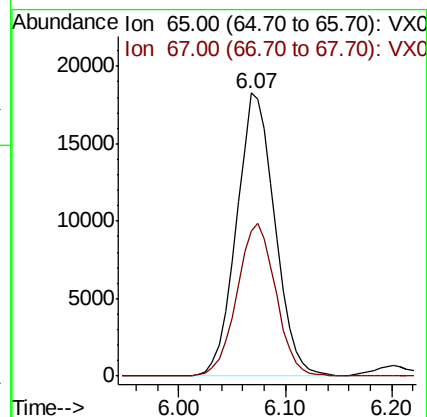
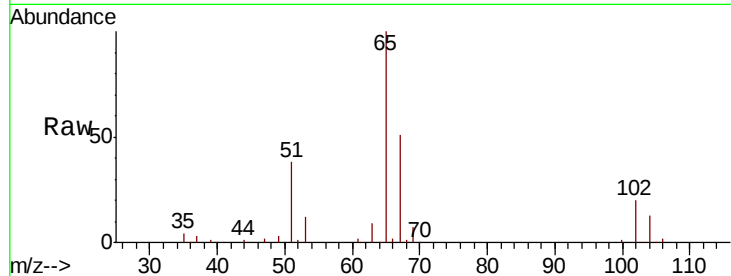
Ion Ratio Lower Upper

65 100

67 54.5 40.9 61.3

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8/3/2018 9:48:24 AM



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

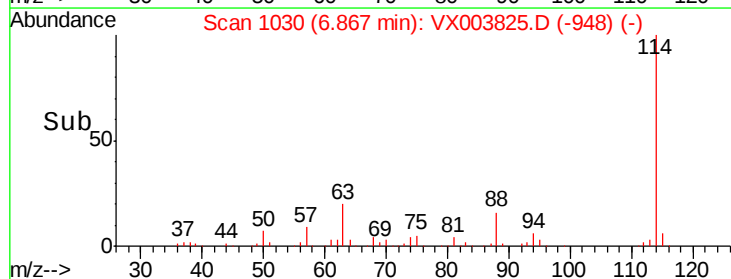
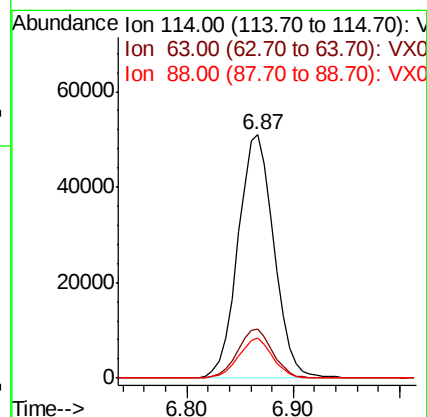
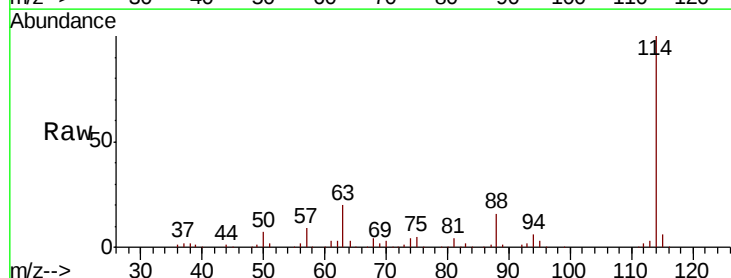
Tgt Ion: 114 Resp: 120363

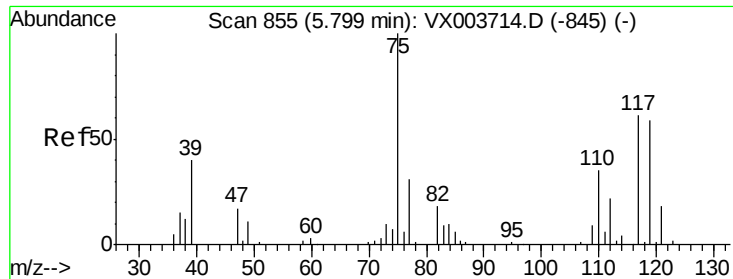
Ion Ratio Lower Upper

114 100

63 19.7 17.1 25.7

88 15.5 12.6 19.0





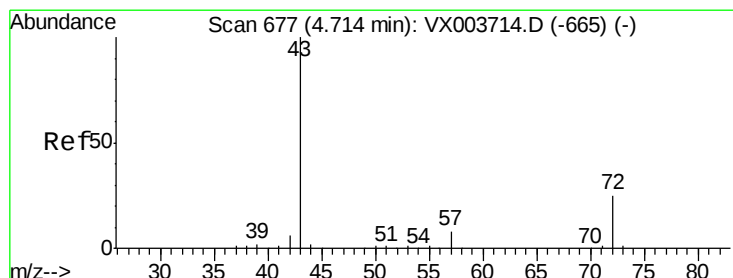
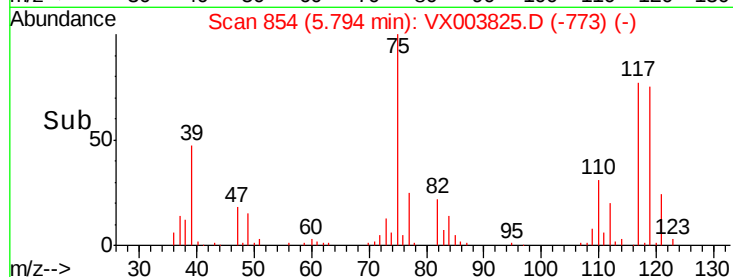
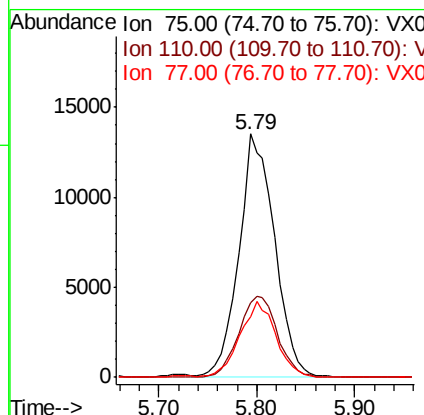
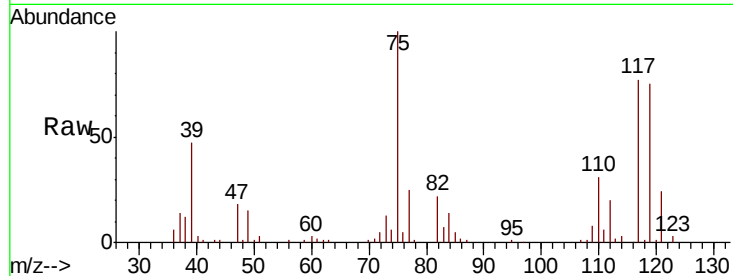
#29
 1,1-Dichloropropene
 Concen: 19.32 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.8	0.0	71.4
77	31.2	0.0	60.6

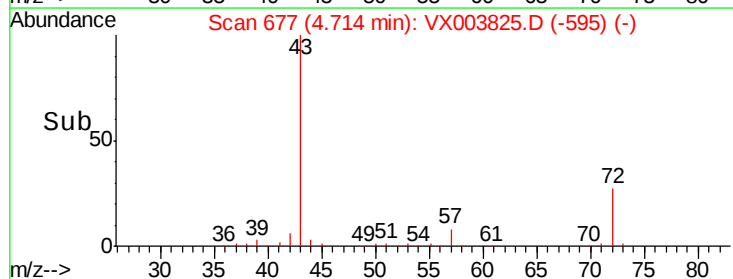
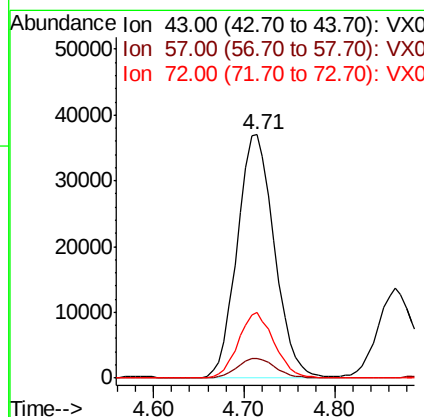
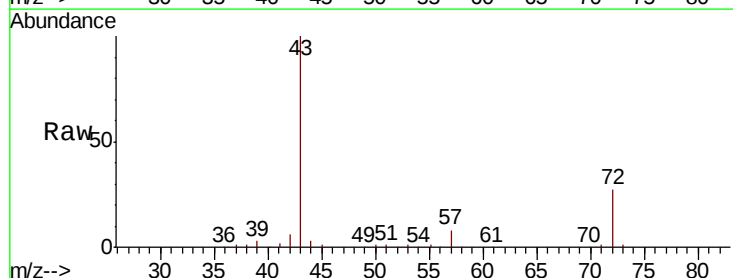
Manual Integrations
 APPROVED

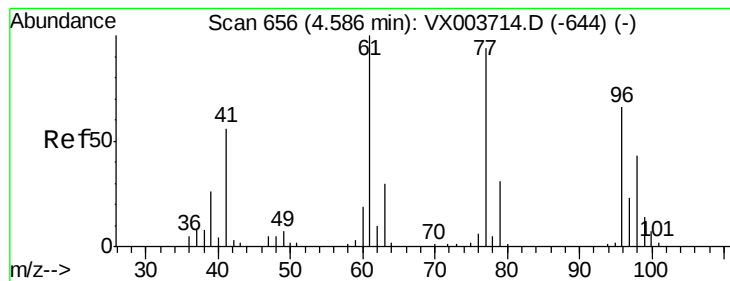
MMDadoda
 8/3/2018 9:48:24 AM



#30
 2-Butanone
 Concen: 92.92 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.1	9.1
72	25.8	18.1	27.1





#31

2,2-Dichloropropane

Concen: 19.25 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBS01

Tot Ion: 77 Resp: 33149

Ion Ratio Lower Upper

77 100

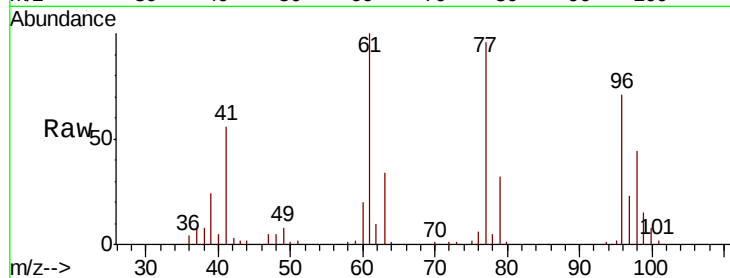
97 23.6 18.7 28.1

Manual Integrations

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Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

12000

10000

8000

6000

4000

2000

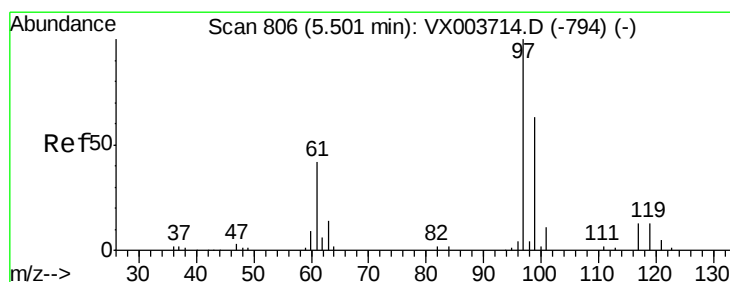
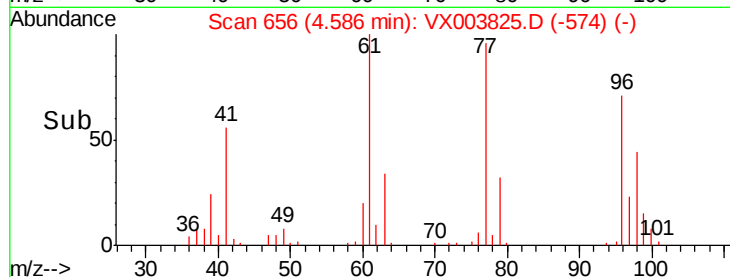
0

4.50

4.60

4.70

Time-->



#32

1,1,1-Trichloroethane

Concen: 19.59 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

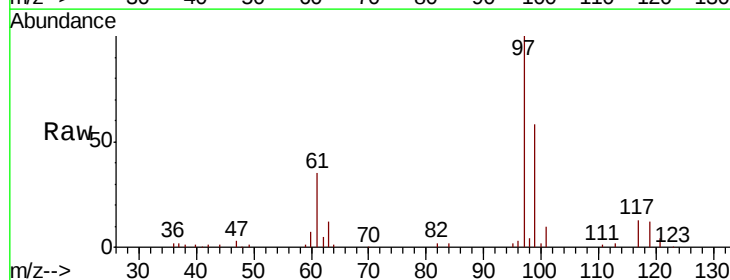
Tgt Ion: 97 Resp: 39845

Ion Ratio Lower Upper

97 100

99 63.3 51.7 77.5

61 42.5 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

15000

10000

5000

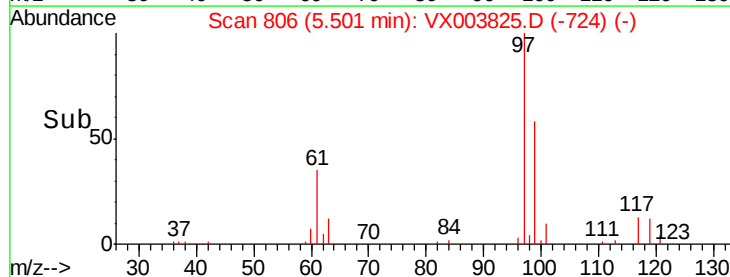
0

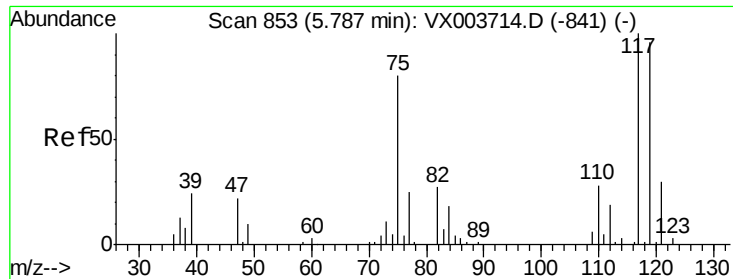
5.40

5.50

5.60

Time-->





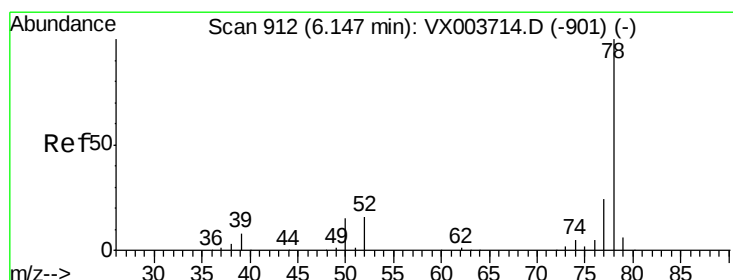
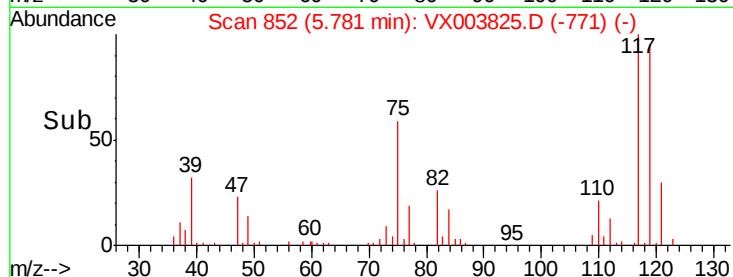
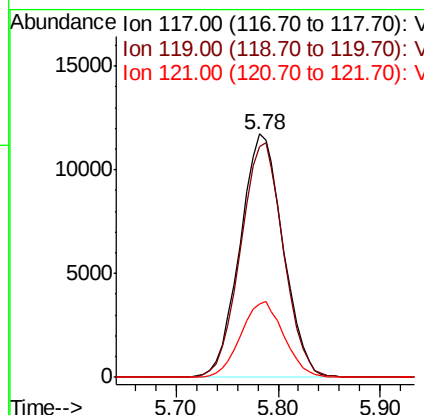
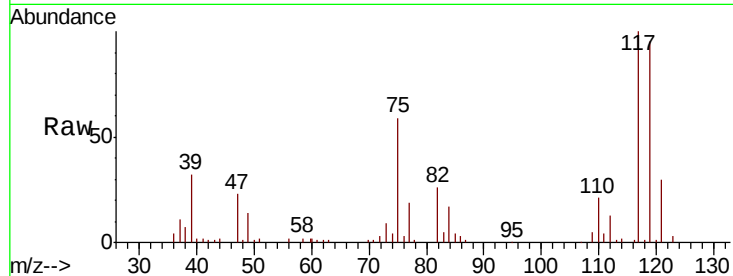
#33
Carbon Tetrachloride
Concen: 19.42 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.7	73.3	109.9
121	30.2	23.6	35.4

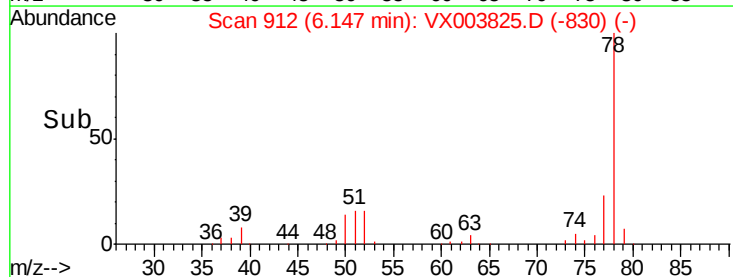
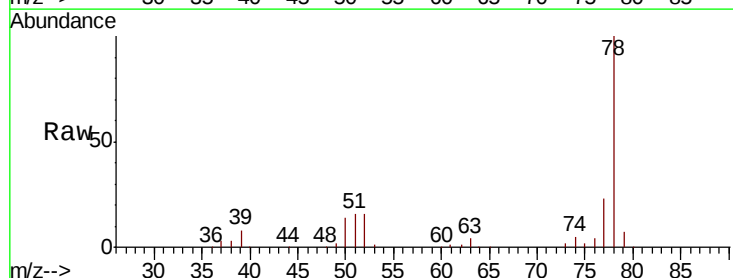
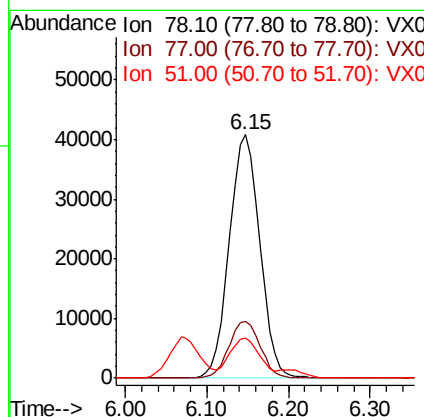
Manual Integrations
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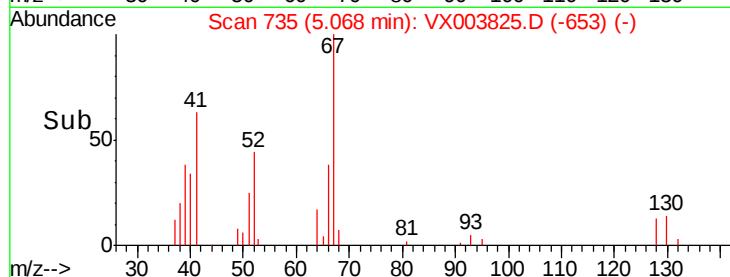
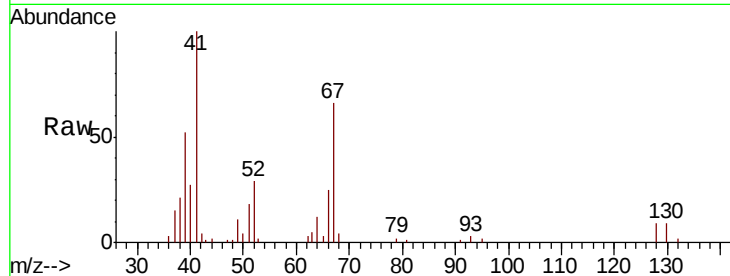
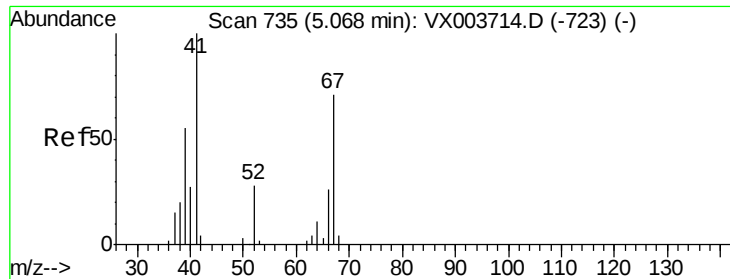
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8/3/2018 9:48:24 AM



#34
Benzene
Concen: 19.33 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.4	29.0
51	16.2	13.8	20.6





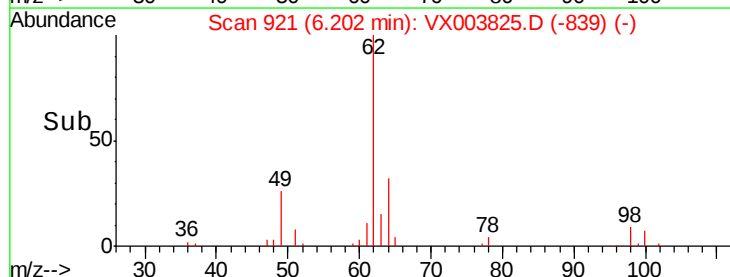
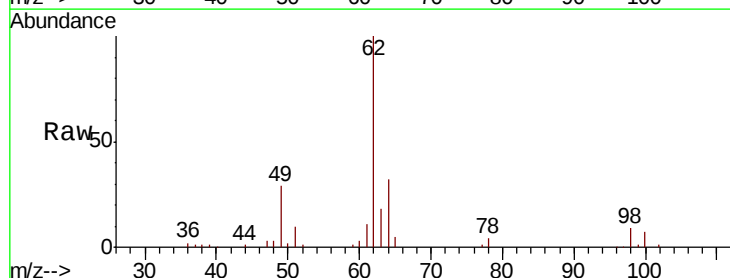
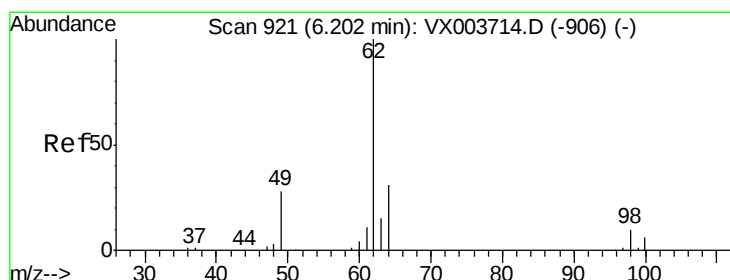
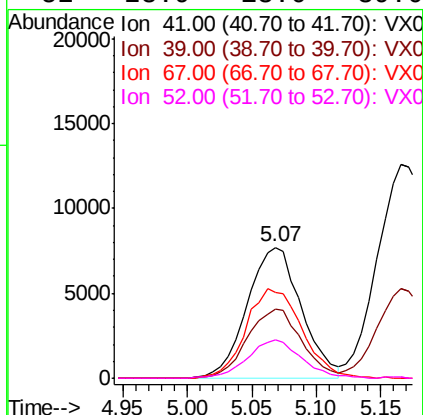
#35
Methacrylonitrile
Concen: 19.08 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.5	28.8	86.5
67	65.9	30.4	91.2
52	28.9	13.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

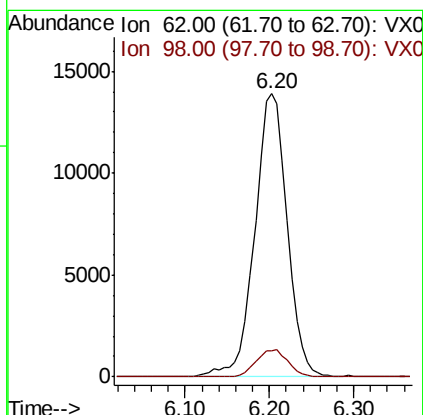
Manual Integrations
APPROVED

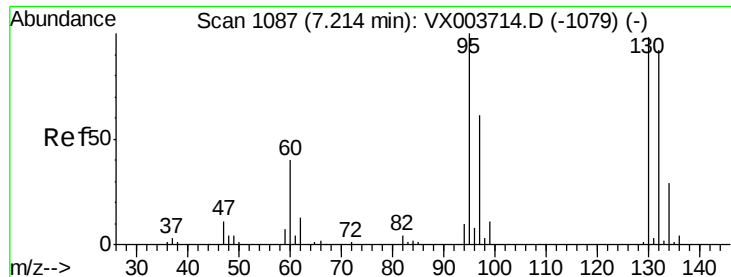
MMDadoda
8/3/2018 9:48:24 AM



#36
1,2-Dichloroethane
Concen: 18.64 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	6.5	9.7





#37

Trichloroethene

Concen: 19.41 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBS01

Tot Ion:130 Resp: 27621

Ion Ratio Lower Upper

130 100

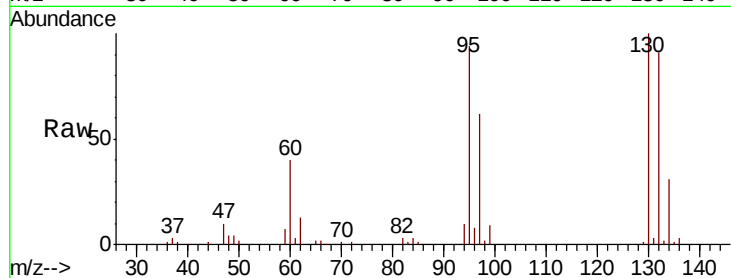
95 93.6 81.5 122.3

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

15000

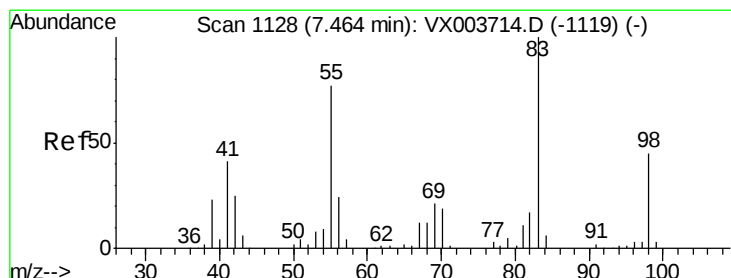
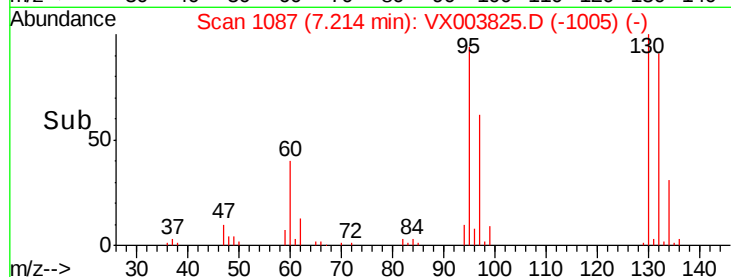
10000

5000

0

Time-->

7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 18.57 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

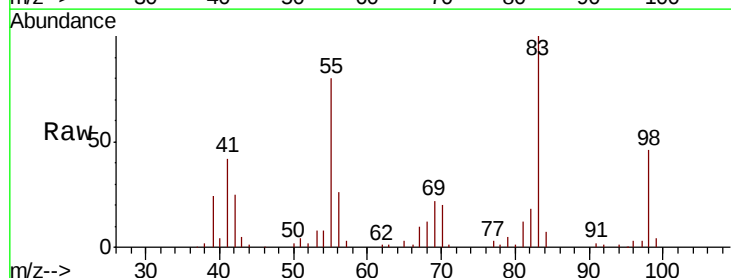
Tgt Ion: 83 Resp: 37507

Ion Ratio Lower Upper

83 100

55 80.4 40.6 121.8

98 46.6 23.5 70.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

20000

15000

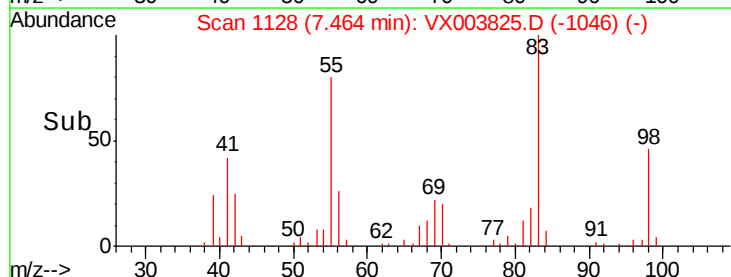
10000

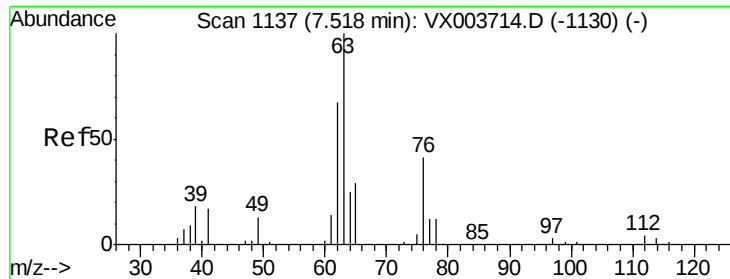
5000

0

Time-->

7.40 7.45 7.50 7.55





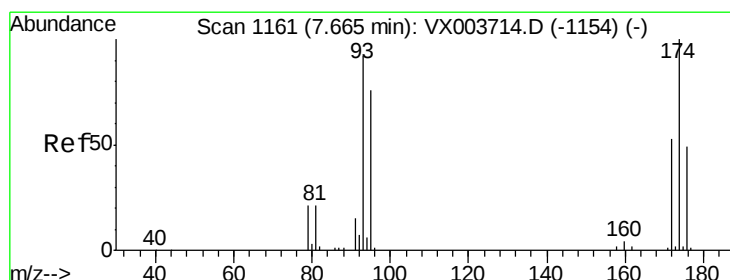
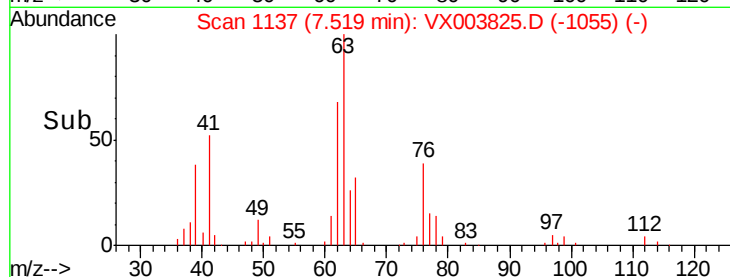
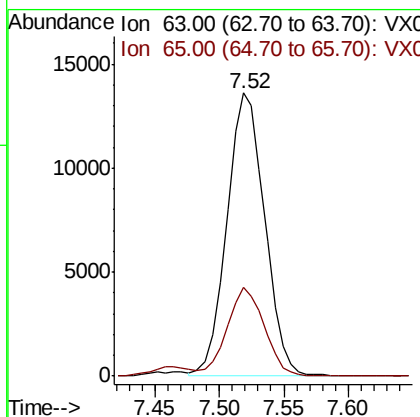
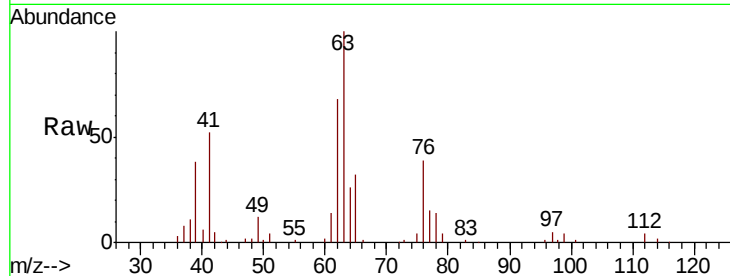
#39
 1,2-Dichloropropane
 Concen: 19.29 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion: 63 Resp: 27842
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.3 34.9

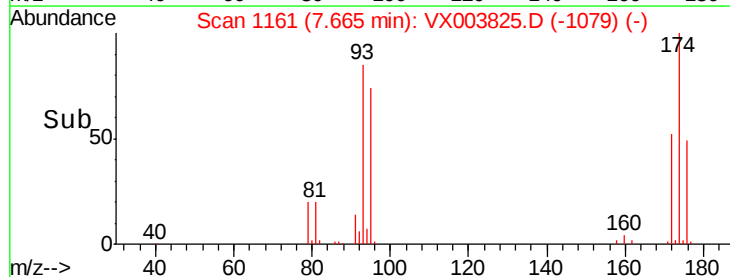
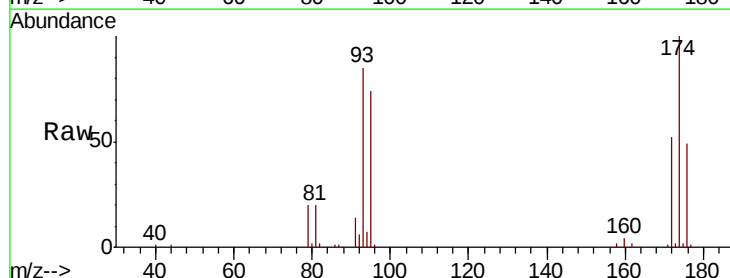
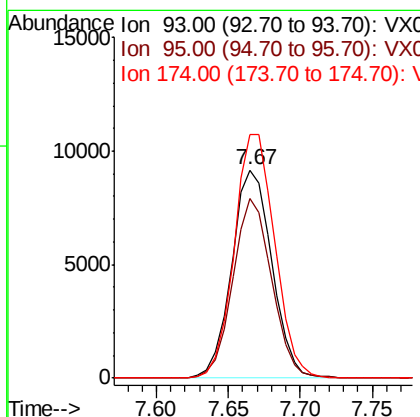
Manual Integrations
 APPROVED

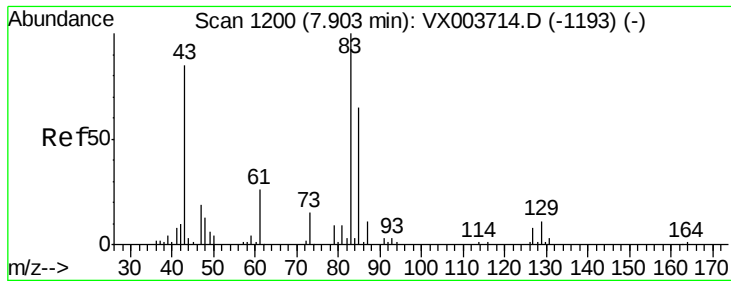
MMDadoda
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#40
 Dibromomethane
 Concen: 19.02 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion: 93 Resp: 17764
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 162.6
 174 117.5 0.0 229.4





#41

Bromodichloromethane

Concen: 18.75 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

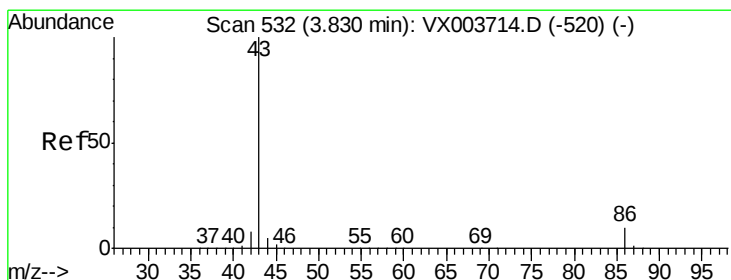
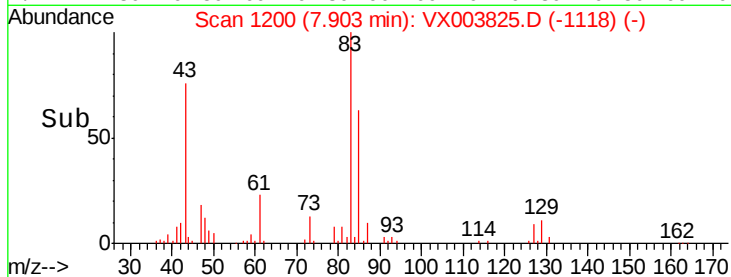
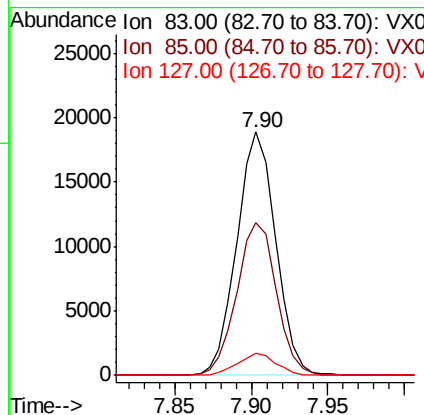
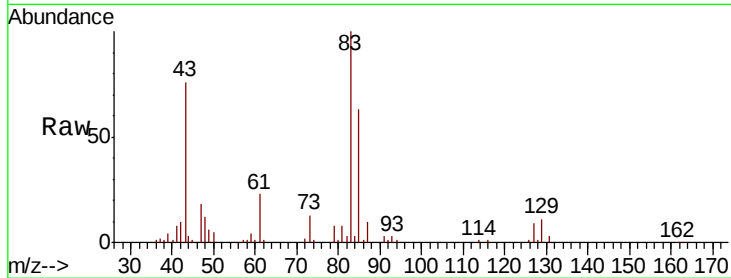
ClientSampled :

VX0802WBS01

Tot Ion:	83	Resp:	33451
Ion Ratio	Lower	Upper	
83	100		
85	62.8	49.8	74.8
127	8.9	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 78.30 ug/l

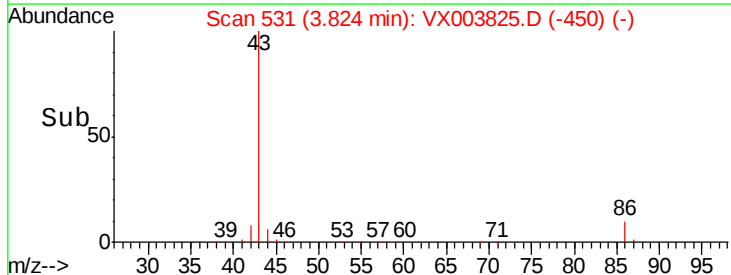
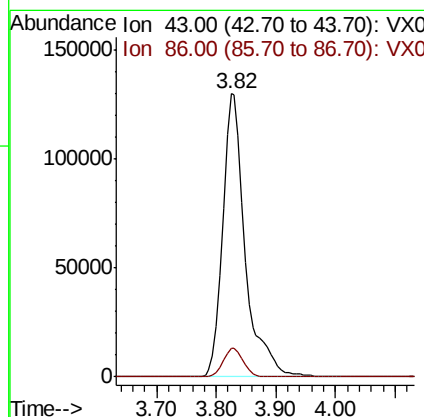
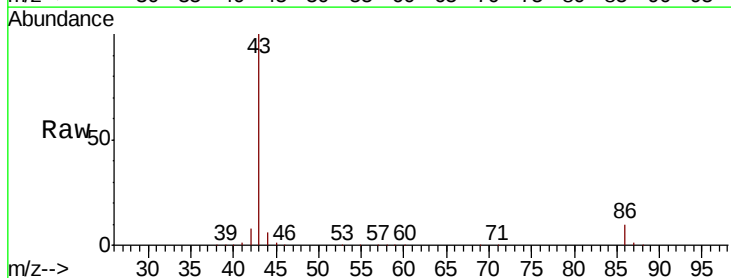
RT: 3.82 min Scan# 531

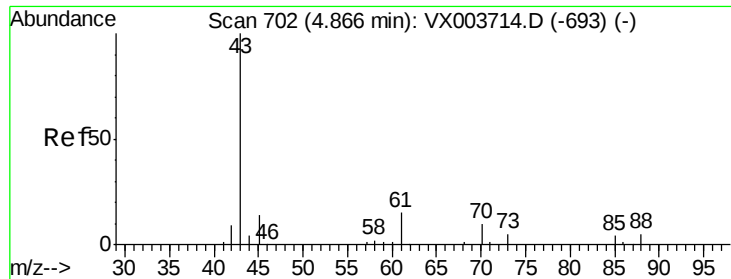
Delta R.T. -0.01 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Tgt Ion:	43	Resp:	341484
Ion Ratio	Lower	Upper	
43	100		
86	9.0	6.7	10.1





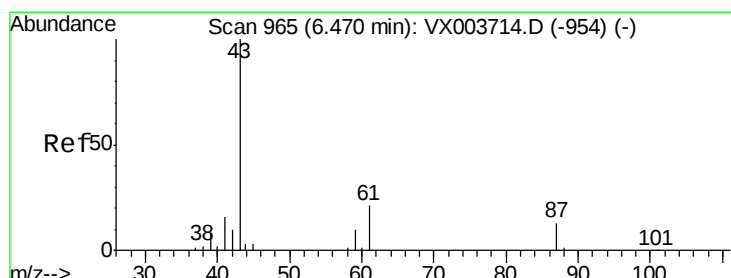
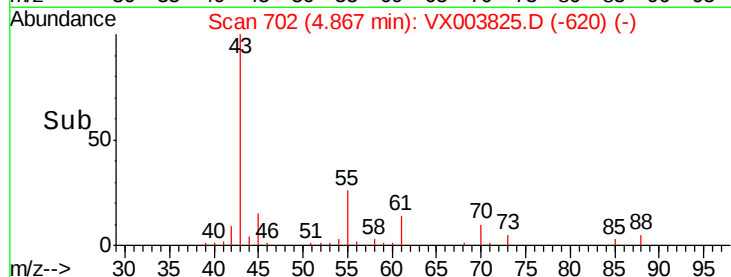
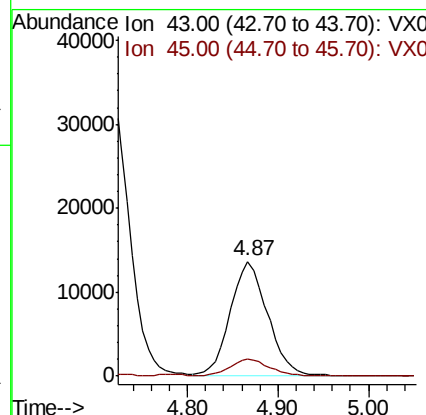
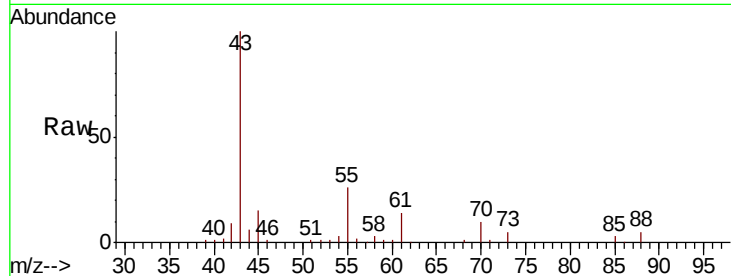
#43
Ethyl Acetate
Concen: 18.62 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion: 43 Resp: 39481
Ion Ratio Lower Upper
43 100
45 15.2 11.0 16.4

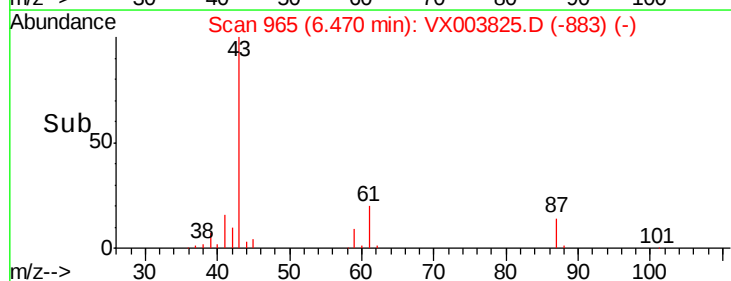
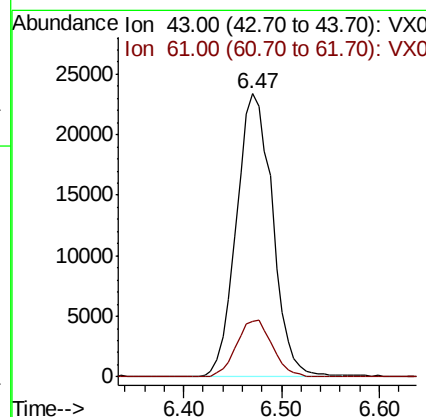
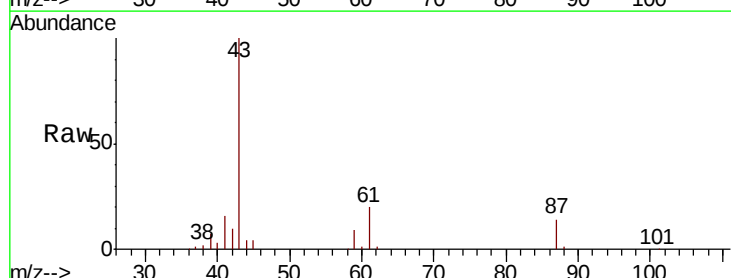
Manual Integrations
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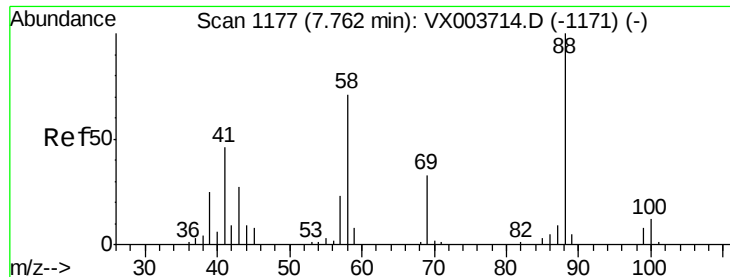
MMDadoda
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#44
Isopropyl Acetate
Concen: 18.47 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion: 43 Resp: 60060
Ion Ratio Lower Upper
43 100
61 19.9 14.5 21.7





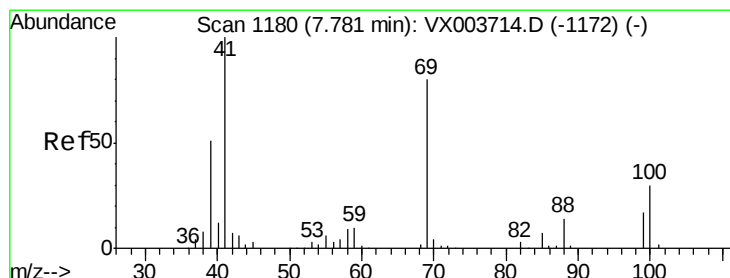
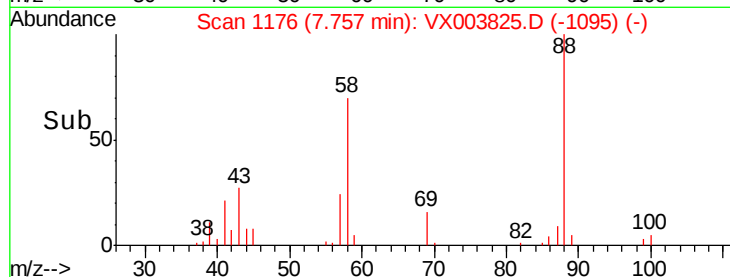
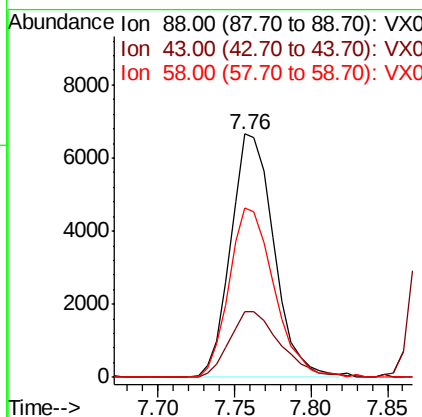
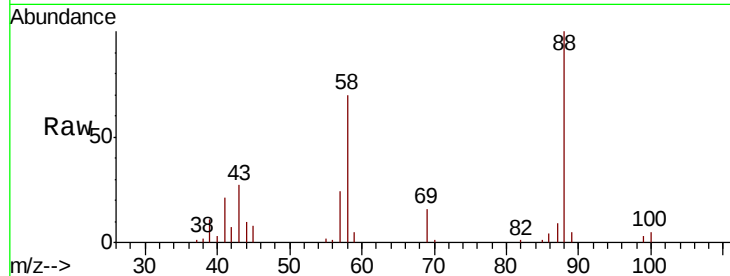
#45
1,4-Dioxane
Concen: 361.79 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	43.2	64.8#
58	72.3	60.2	90.2

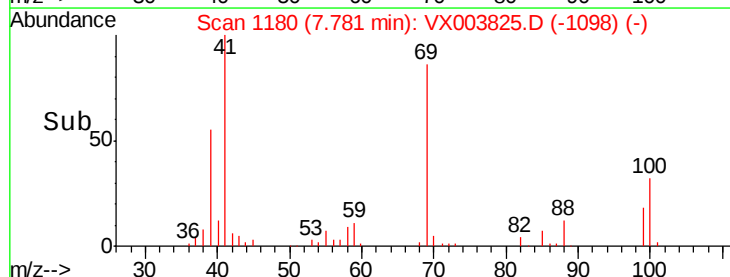
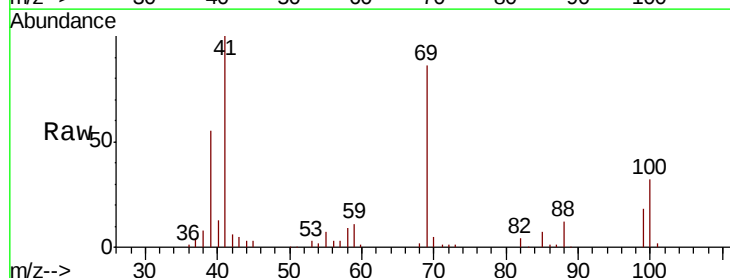
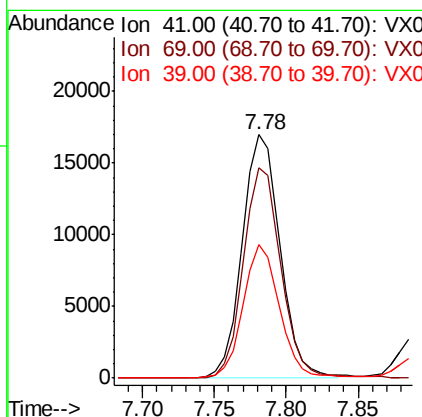
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APPROVED

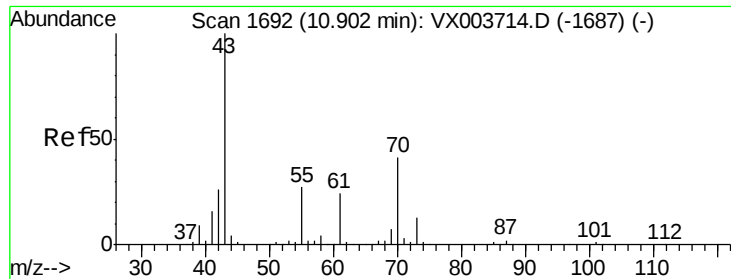
MMDadoda
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#46
Methyl methacrylate
Concen: 18.40 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.4	37.0	110.9
39	54.8	29.6	88.9





#47

n-amvl Acetate

Concen: 17.11 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBS01

Tot Ion: 43 Resp: 52523

Ion Ratio Lower Upper

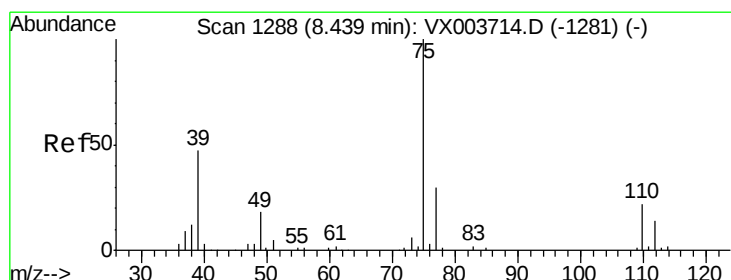
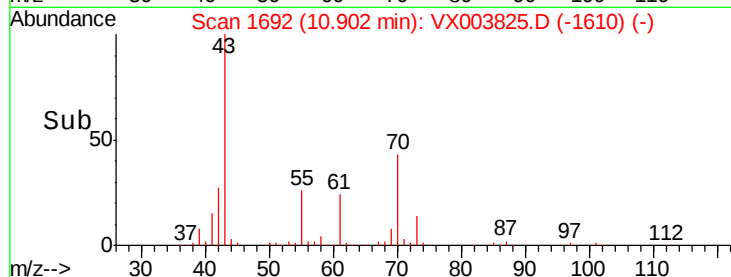
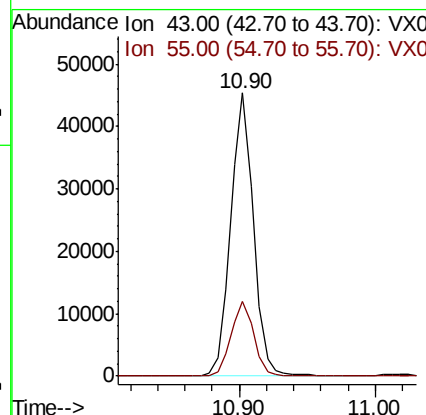
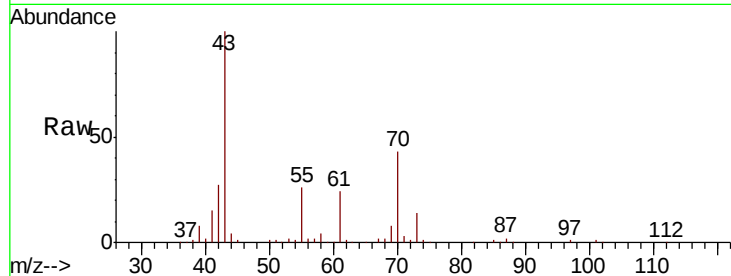
43 100

55 26.3 0.1 0.1#

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 18.50 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003825.D

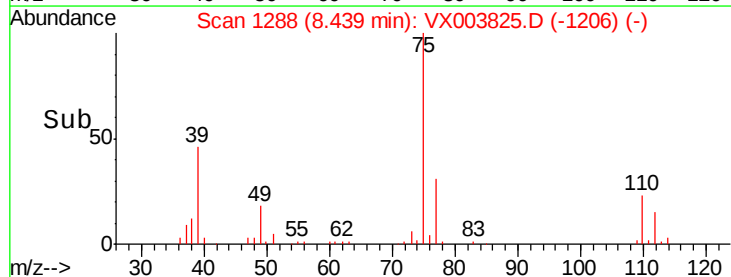
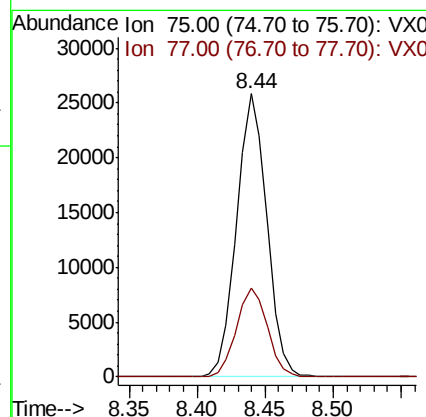
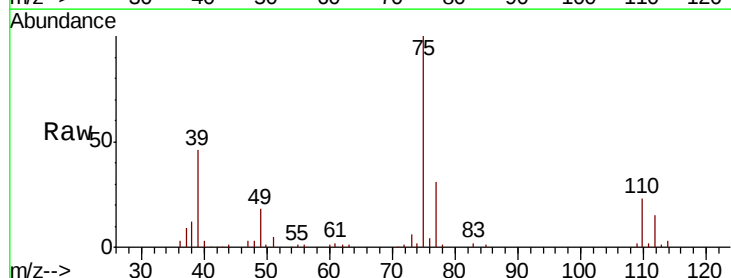
Acq: 02 Aug 2018 15:11

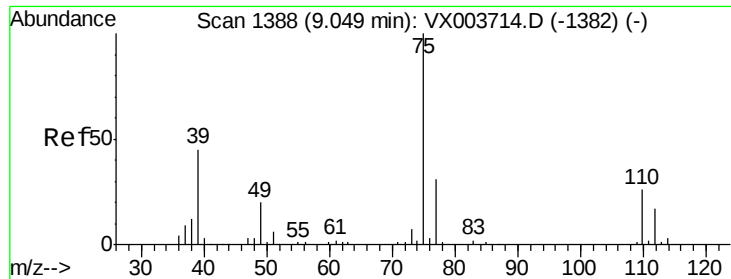
Tgt Ion: 75 Resp: 40051

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4





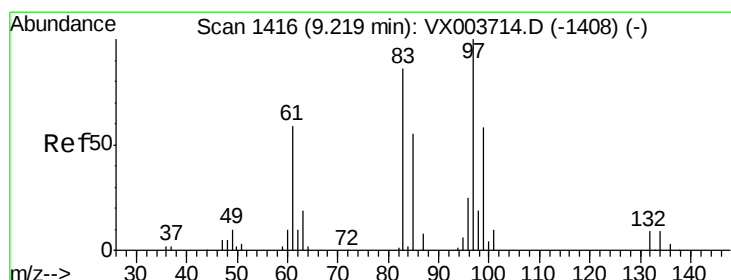
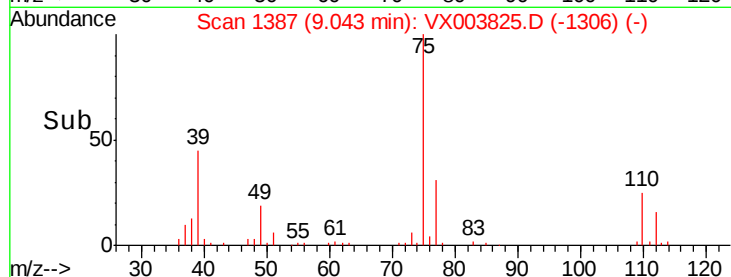
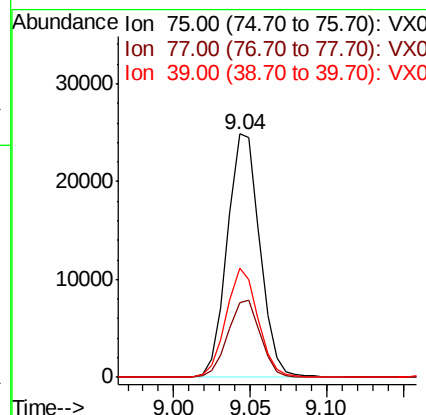
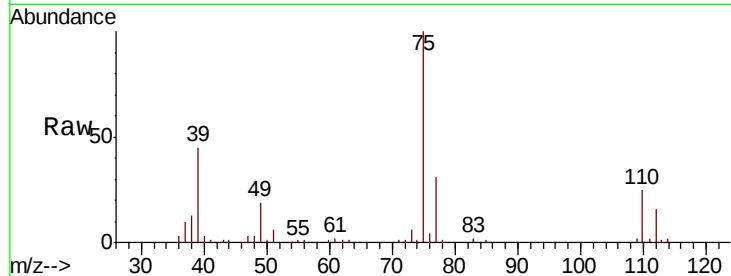
#49
 cis-1,3-Dichloropropene
 Concen: 18.09 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.2
39	45.0	42.3	63.5

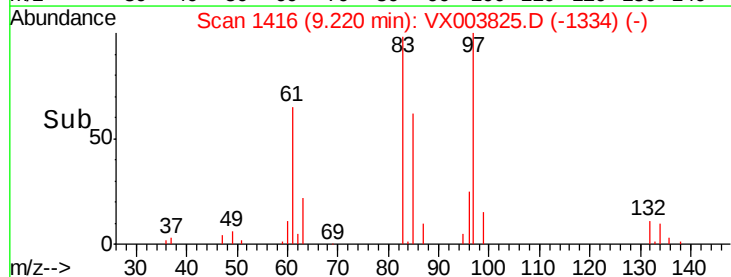
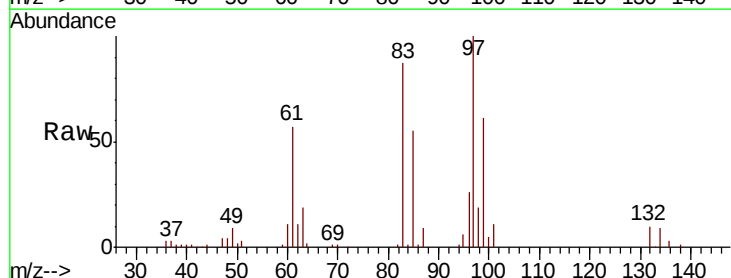
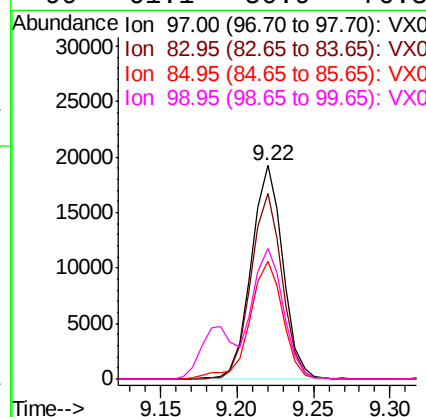
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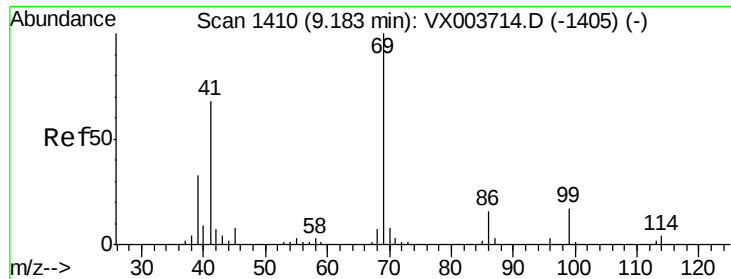
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 18.67 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.8	106.2
85	55.2	43.5	65.3
99	61.1	50.9	76.3





#51

Ethyl methacrylate

Concen: 17.22 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

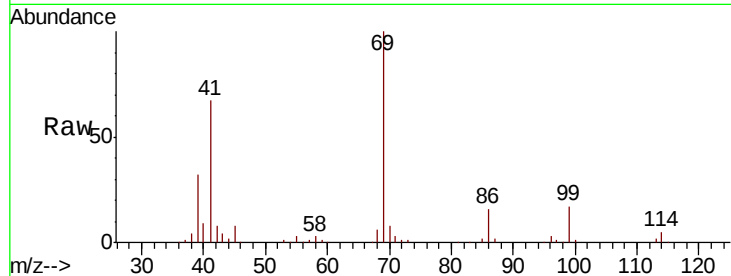
ClientSampleId :

VX0802WBS01

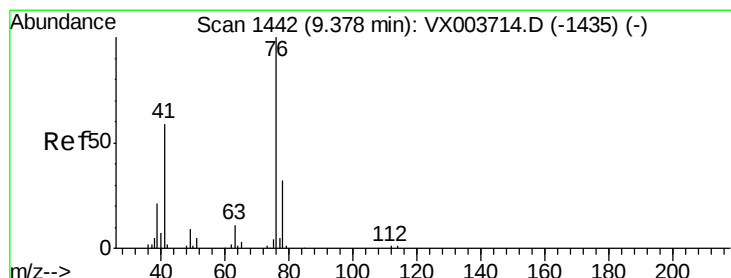
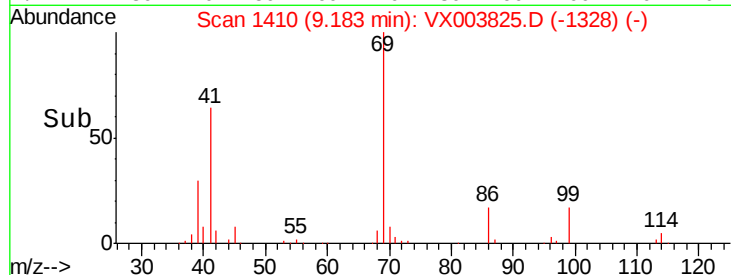
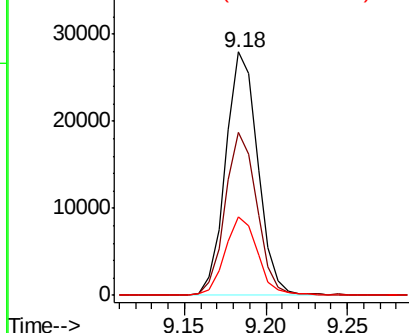
Tot Ion:	69	Resp:	38434
Ion	Ratio	Lower	Upper
69	100		
41	66.9	39.1	117.3
39	31.8	21.7	65.1

Manual Integrations
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Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 18.36 ug/l

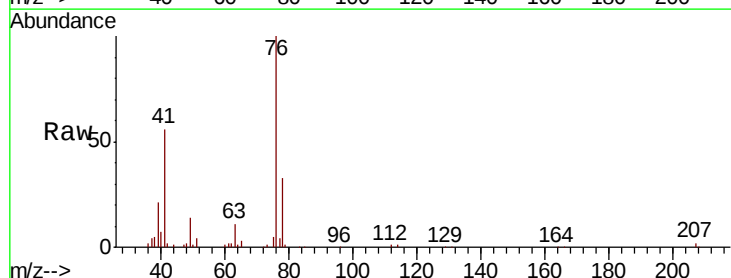
RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

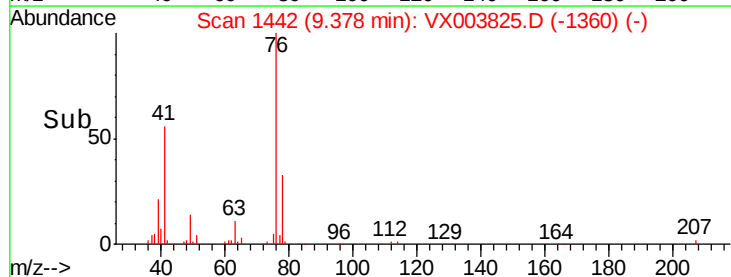
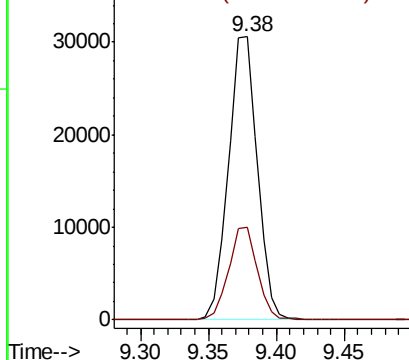
Lab File: VX003825.D

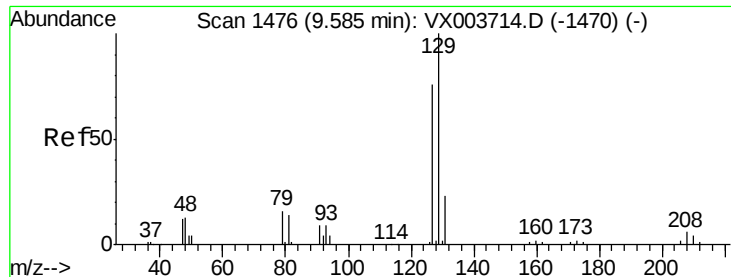
Acq: 02 Aug 2018 15:11

Tgt Ion:	76	Resp:	45299
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





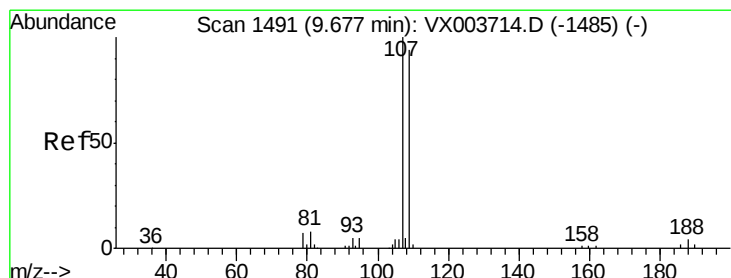
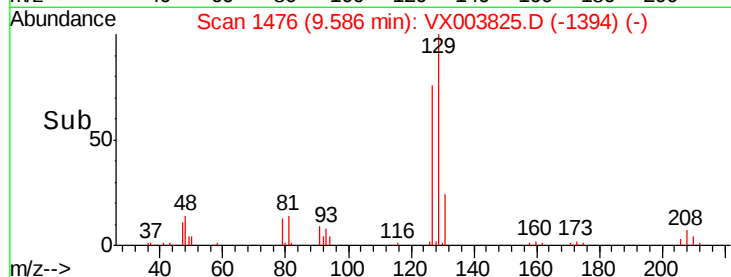
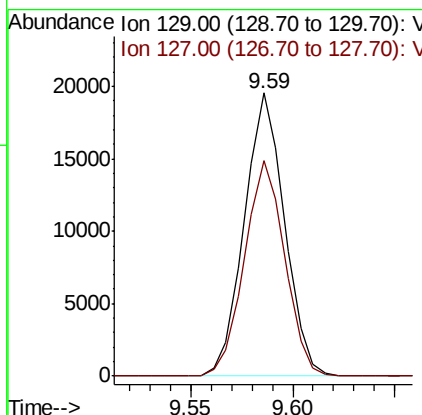
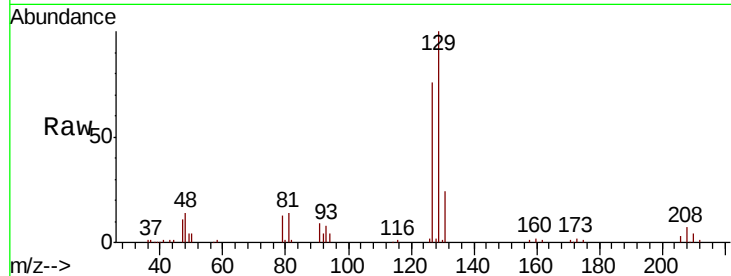
#53
 Dibromochloromethane
 Concen: 18.44 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		26852		
127	76.2	38.5	115.3		

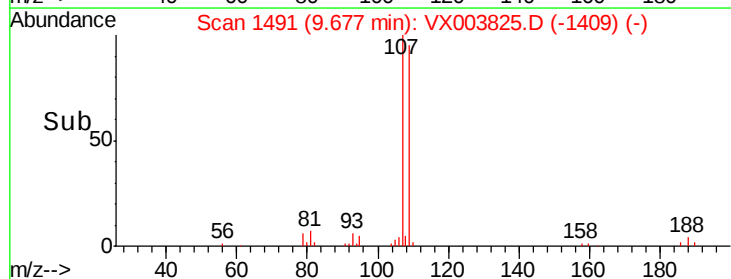
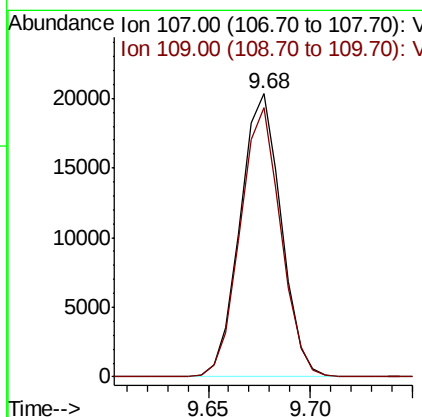
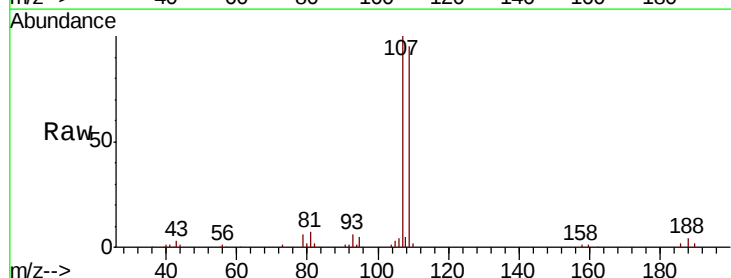
Manual Integrations
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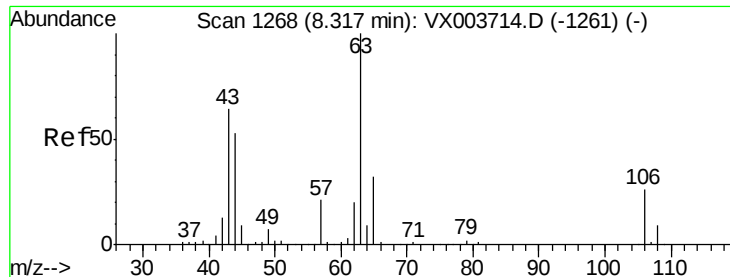
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#54
 1,2-Dibromoethane
 Concen: 18.38 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		28490		
109	94.2	75.5	113.3		





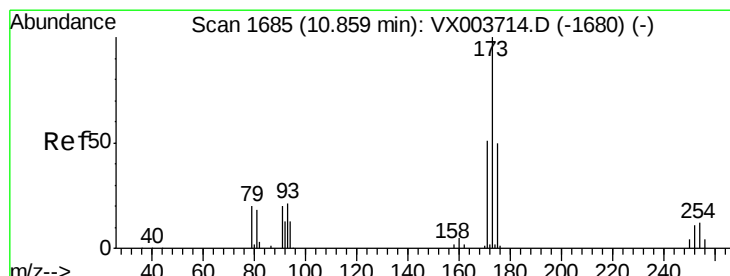
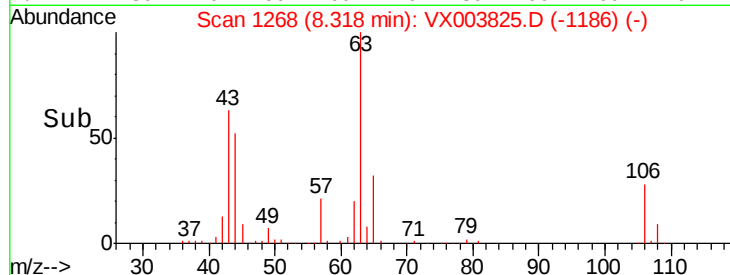
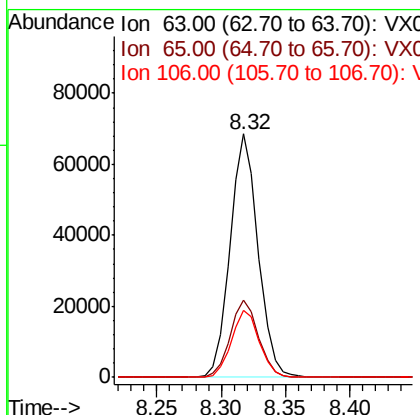
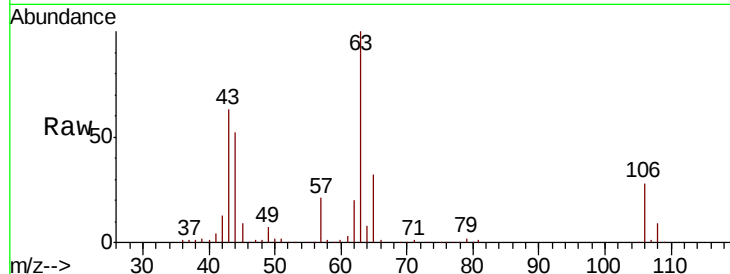
#55
2-Chloroethyl vinyl ether
Concen: 90.30 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4
106	27.5	21.6	32.4

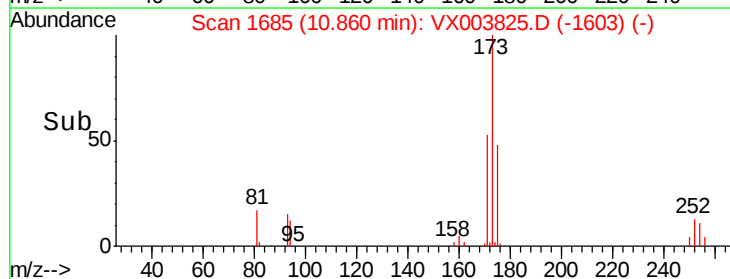
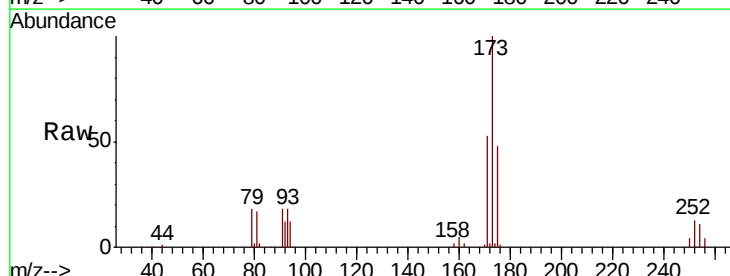
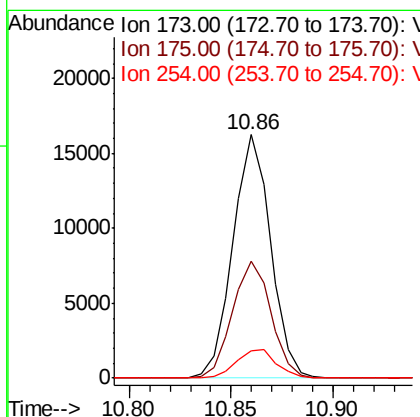
Manual Integrations
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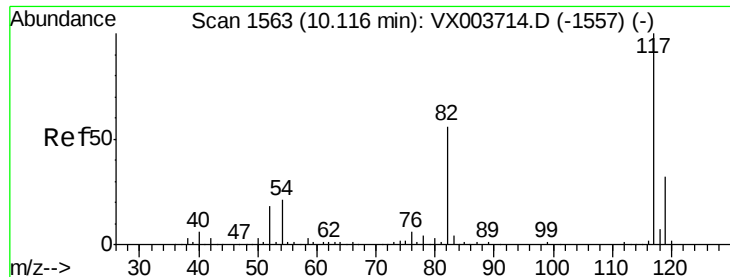
MMDadoda
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#56
Bromoform
Concen: 18.39 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.0	58.4
254	12.4	9.6	14.4





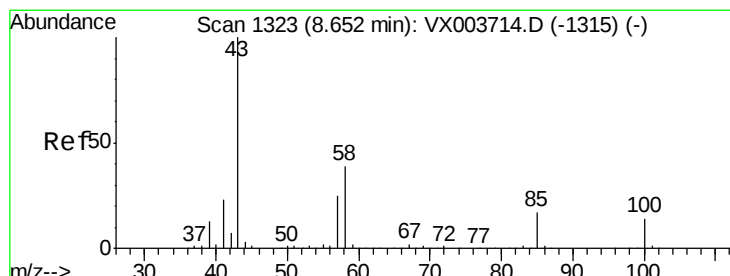
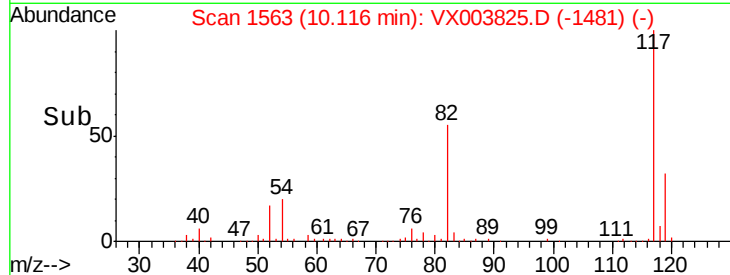
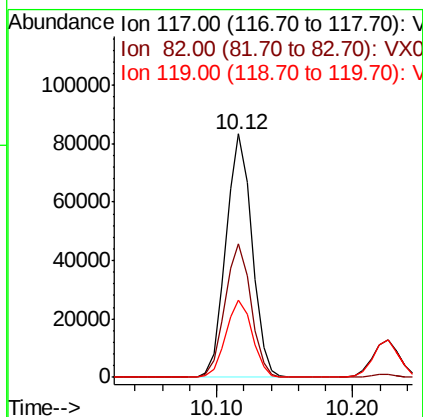
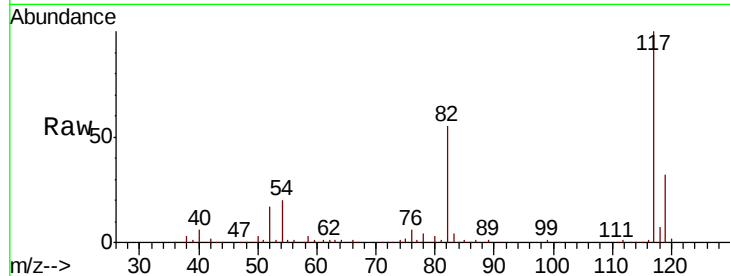
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.3	66.5
119	32.1	25.7	38.5

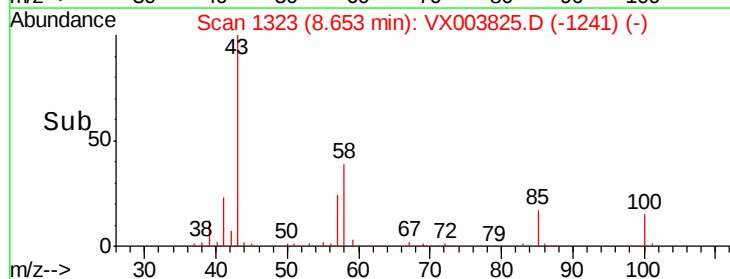
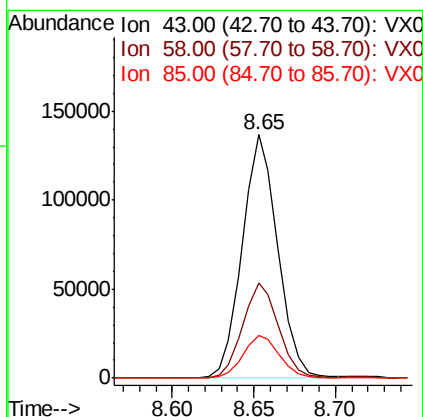
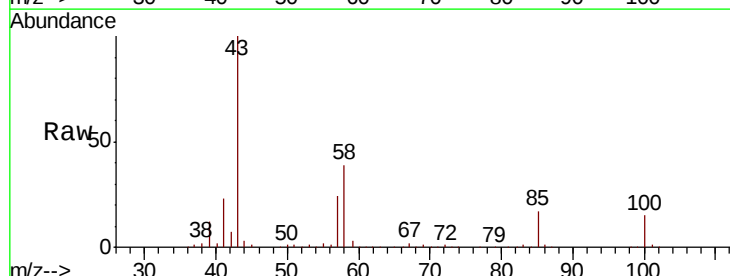
Manual Integrations
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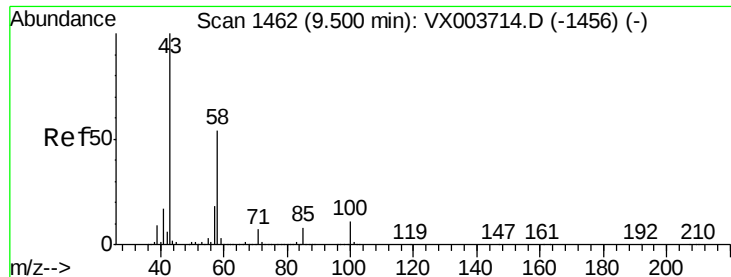
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 98.69 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	28.2	42.4
85	17.9	12.4	18.6





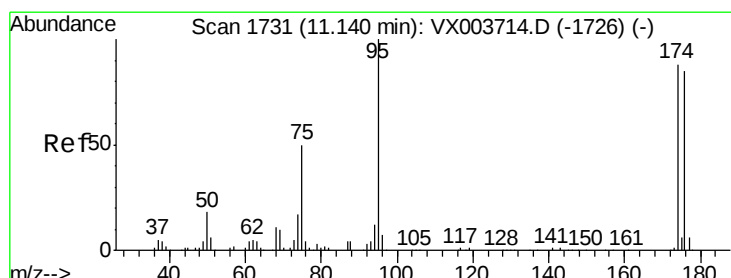
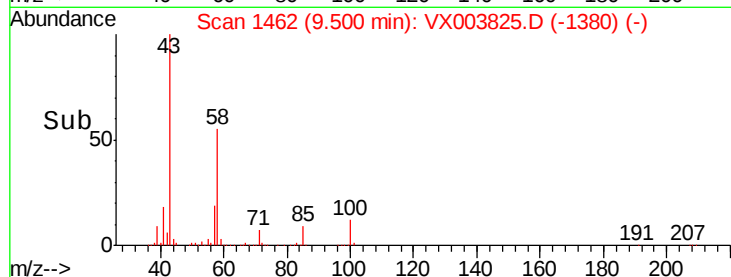
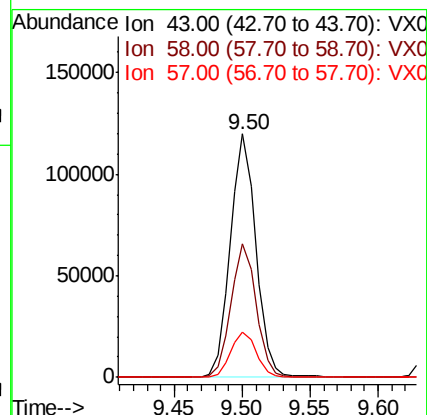
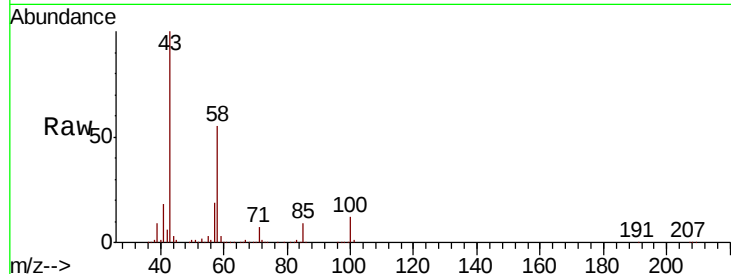
#59
2-Hexanone
Concen: 94.55 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	39.6	59.4
57	18.9	14.1	21.1

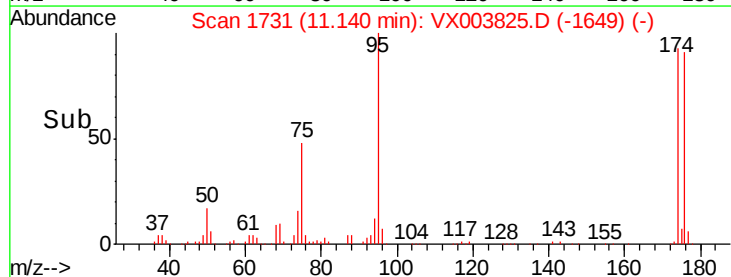
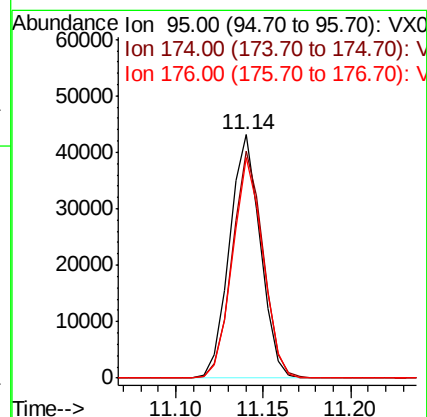
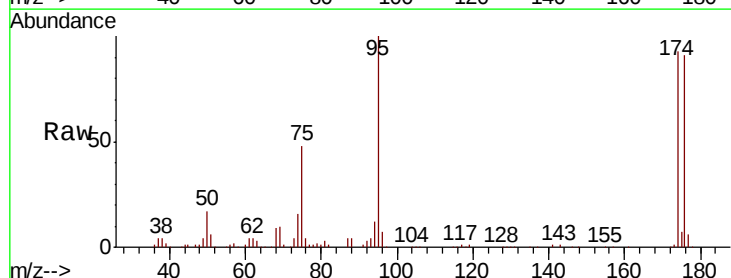
Manual Integrations
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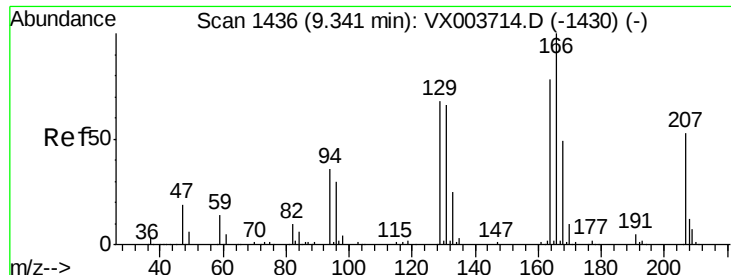
MMDadoda
8/3/2018 9:48:24 AM



#60
4-Bromofluorobenzene
Concen: 29.70 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	71.8	107.6
176	89.9	70.1	105.1





#61

Tetrachloroethene

Concen: 20.51 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBS01

Tot Ion:164 Resp: 26412

Ion Ratio Lower Upper

164 100

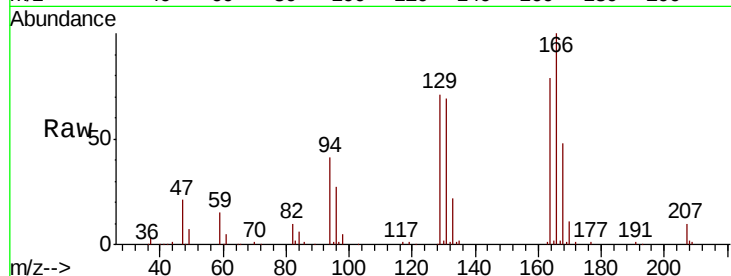
166 125.7 102.4 153.6

129 89.9 70.1 105.1

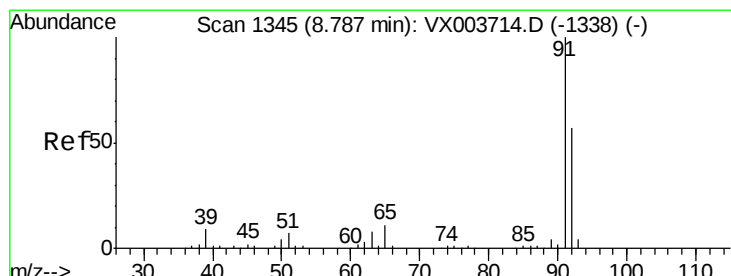
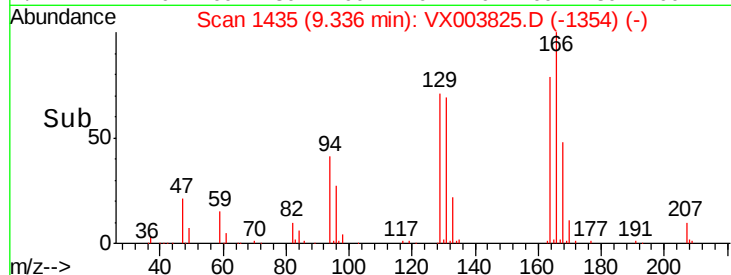
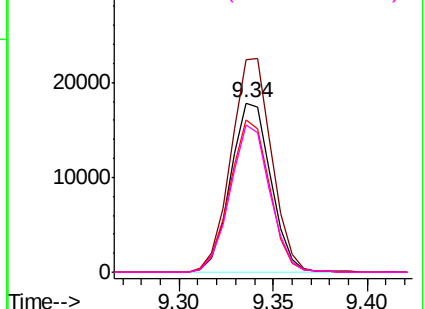
131 87.2 69.1 103.7

Manual Integrations
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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.28 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003825.D

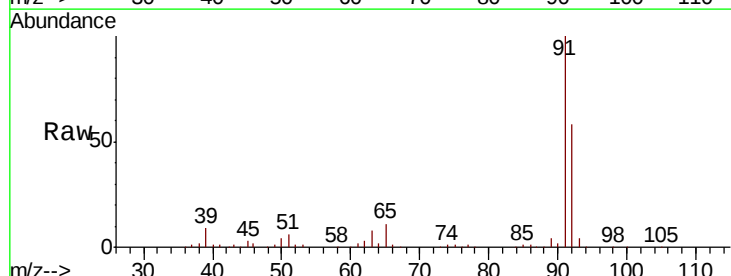
Acq: 02 Aug 2018 15:11

Tgt Ion: 91 Resp: 116479

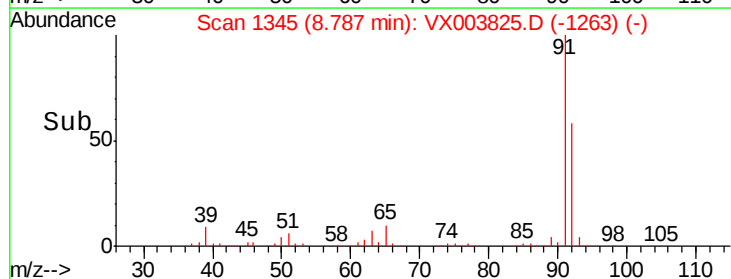
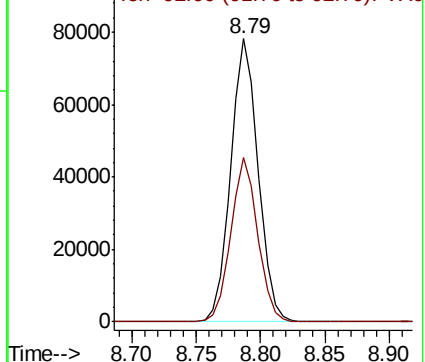
Ion Ratio Lower Upper

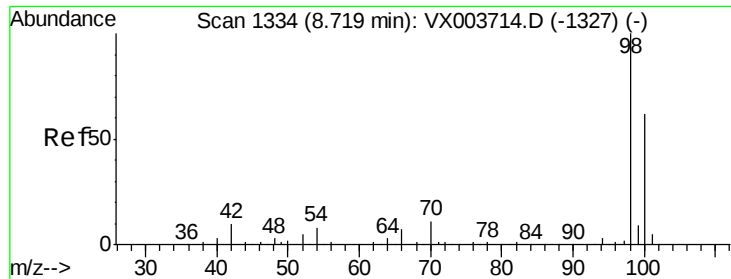
91 100

92 57.0 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





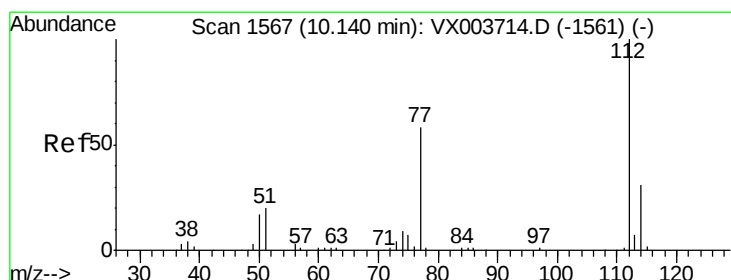
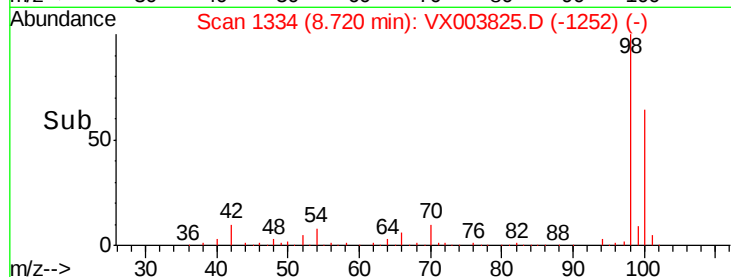
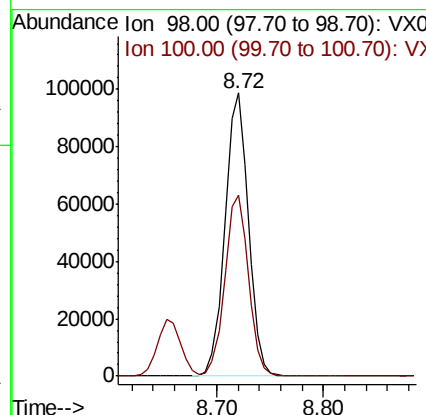
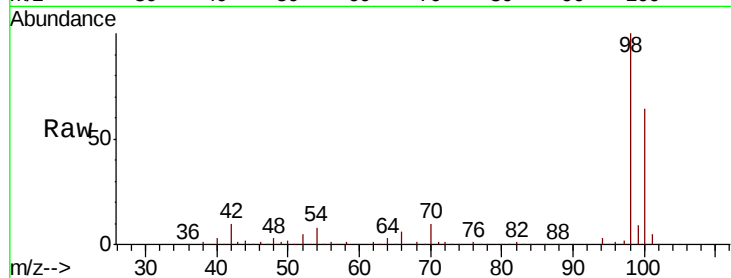
#63
Toluene-d8
Concen: 30.42 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion: 98 Resp: 151660
Ion Ratio Lower Upper
98 100
100 64.4 50.8 76.2

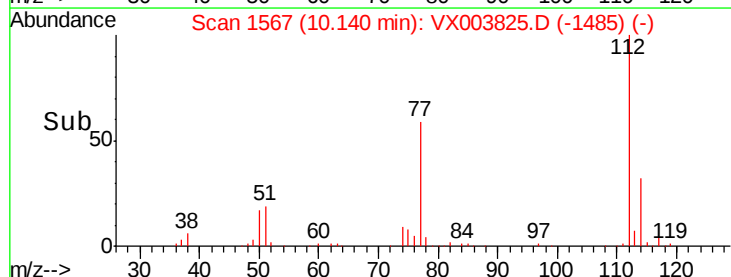
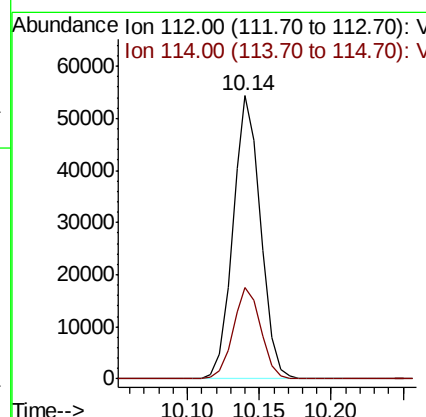
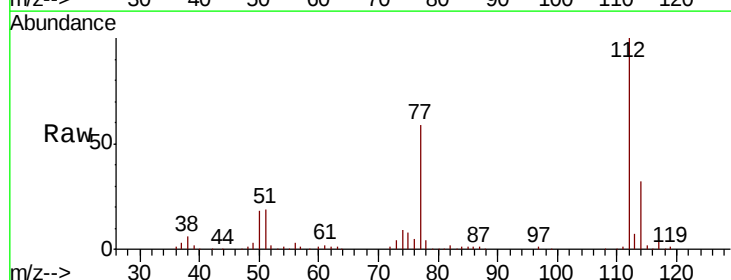
Manual Integrations
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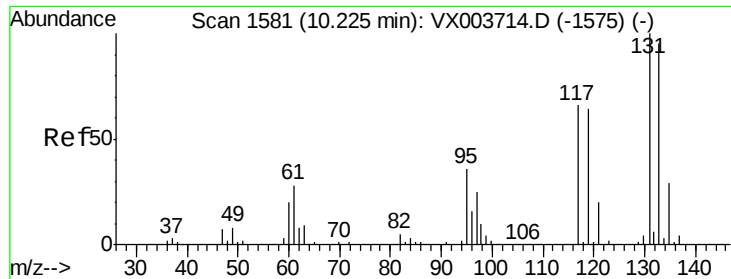
MMDadoda
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#64
Chlorobenzene
Concen: 19.61 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion: 112 Resp: 72803
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4





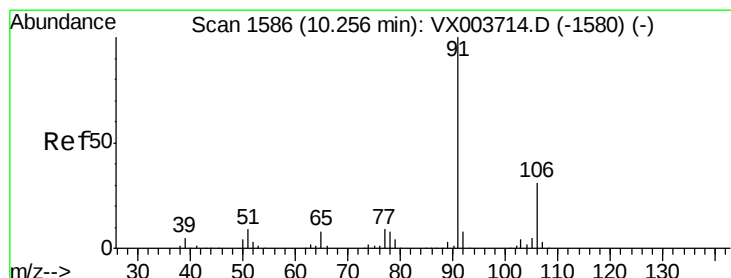
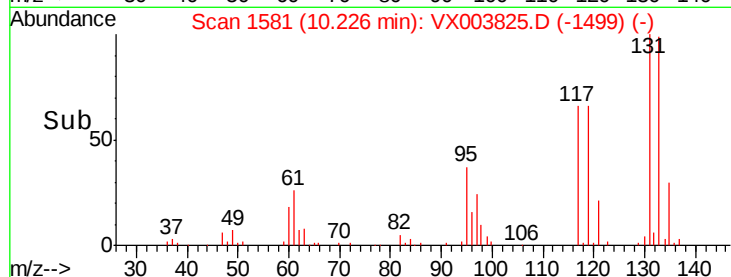
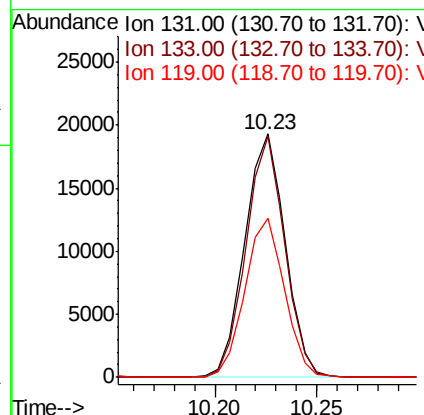
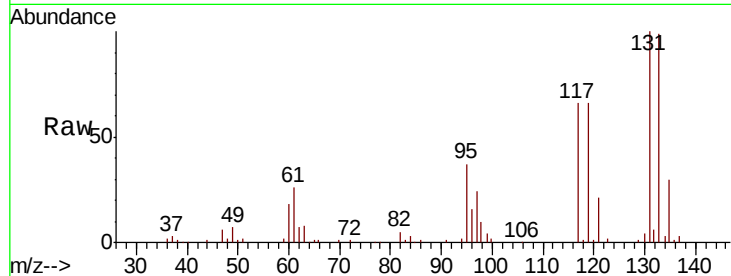
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.19 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampled :
 VX0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	26523		
133	95.1	0.0	191.2	
119	64.3	0.0	125.4	

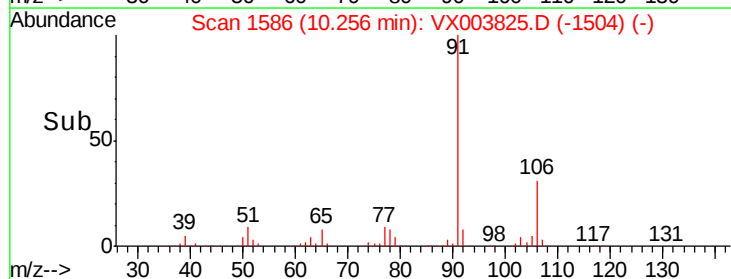
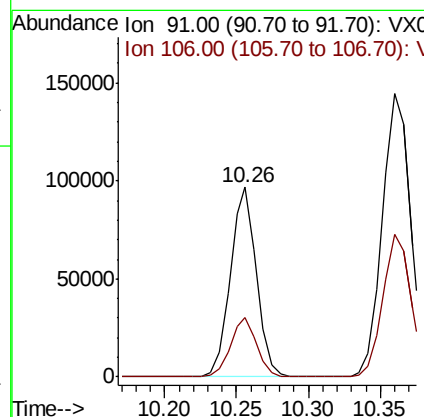
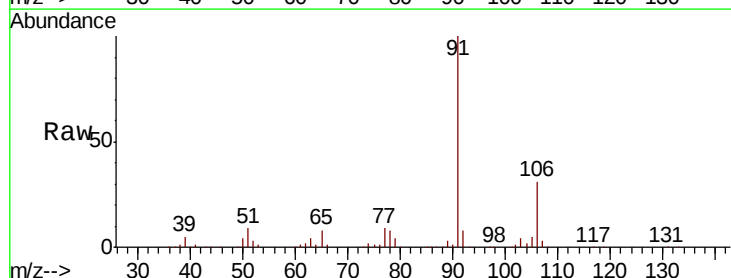
Manual Integrations
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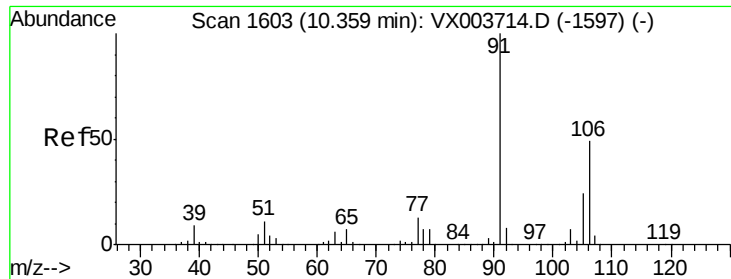
MMDadoda
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#66
 Ethyl Benzene
 Concen: 19.41 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	122707		
106	31.4	25.2	37.8	





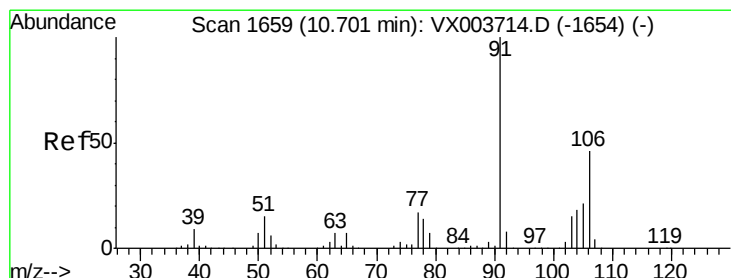
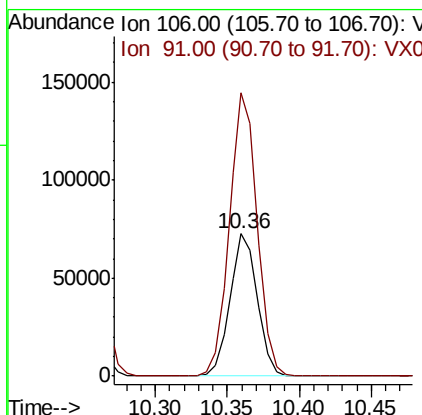
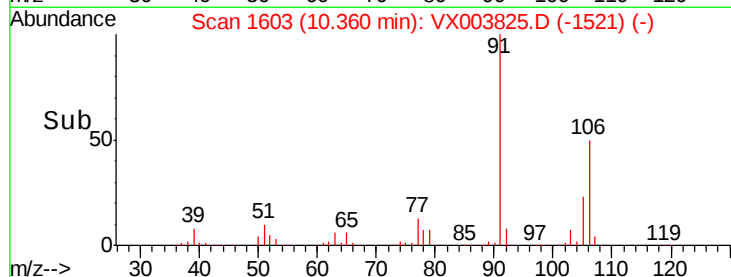
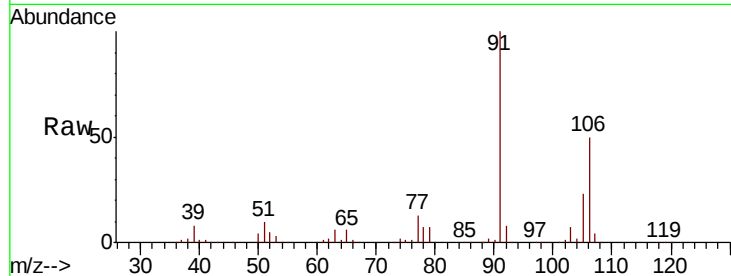
#67
m/p-Xvlenes
Concen: 39.57 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion:106 Resp: 96336
Ion Ratio Lower Upper
106 100
91 202.0 164.1 246.1

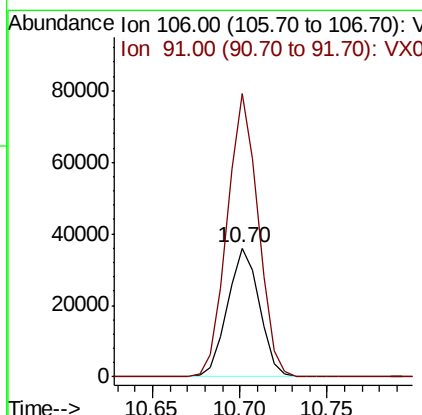
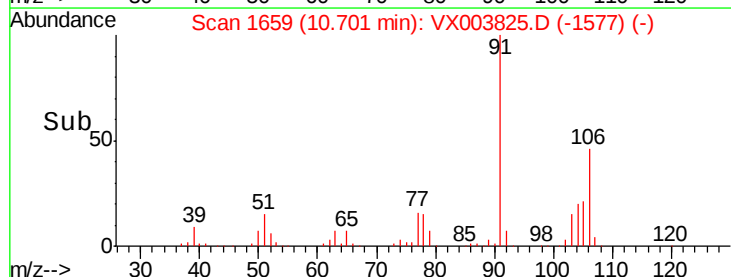
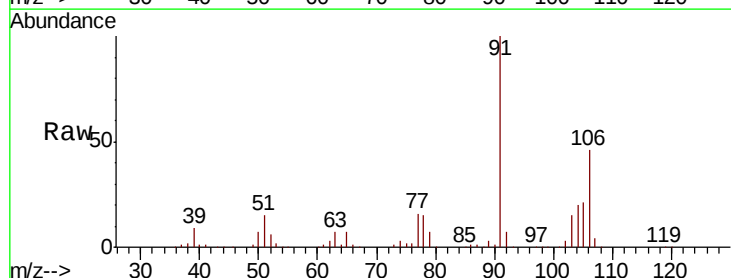
Manual Integrations
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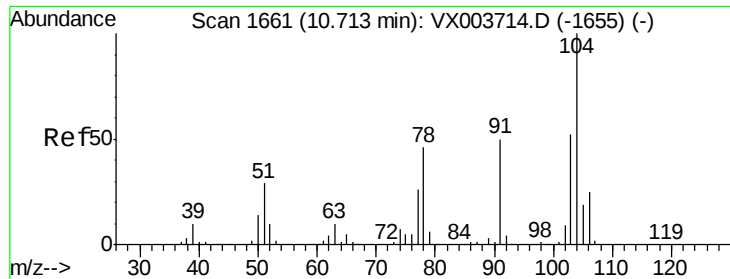
MMDadoda
8/3/2018 9:48:24 AM



#68
o-Xylene
Concen: 19.68 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion:106 Resp: 45834
Ion Ratio Lower Upper
106 100
91 213.8 109.1 327.3





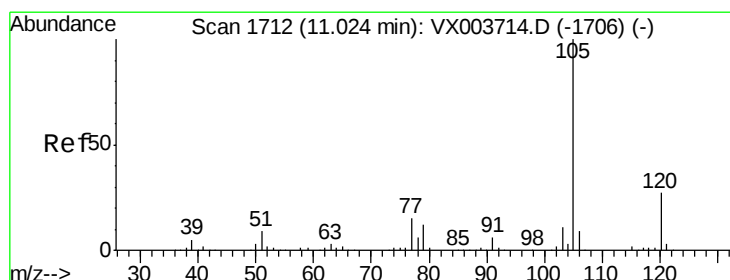
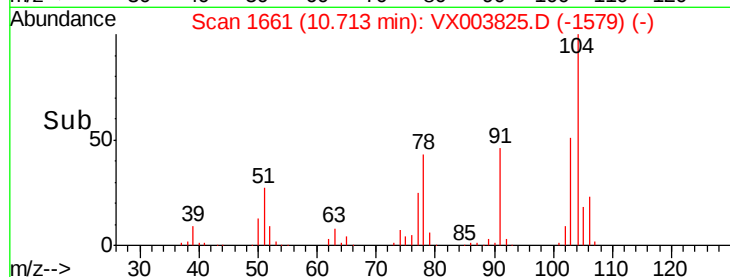
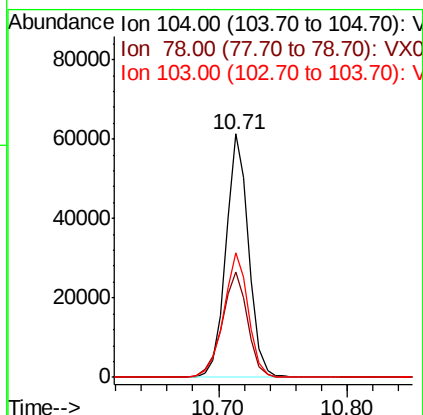
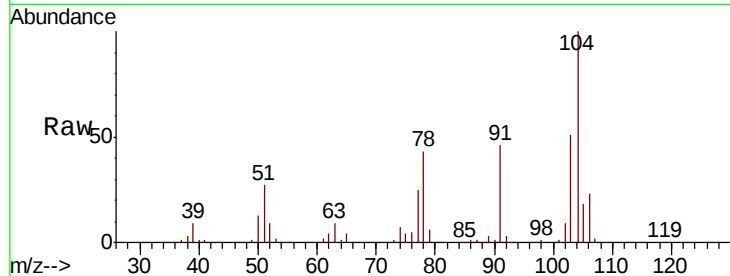
#69
Stvrene
Concen: 19.28 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	41.8	62.8
103	55.6	44.9	67.3

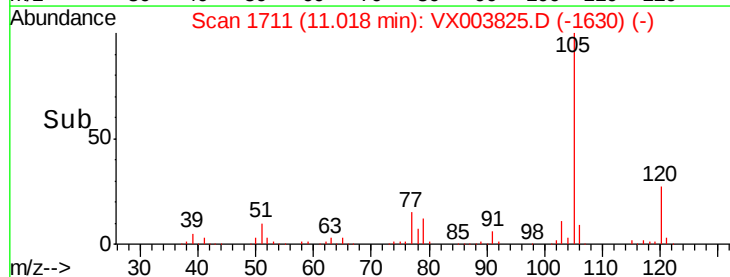
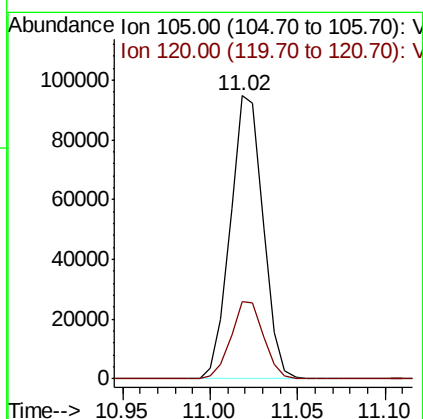
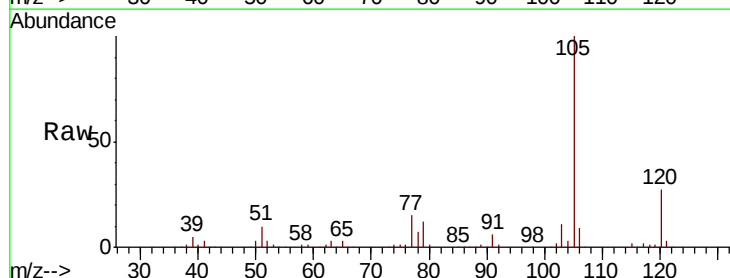
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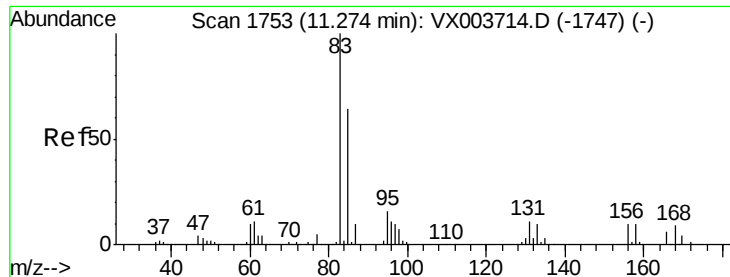
MMDadoda
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#70
Isopropylbenzene
Concen: 19.25 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.0	35.2





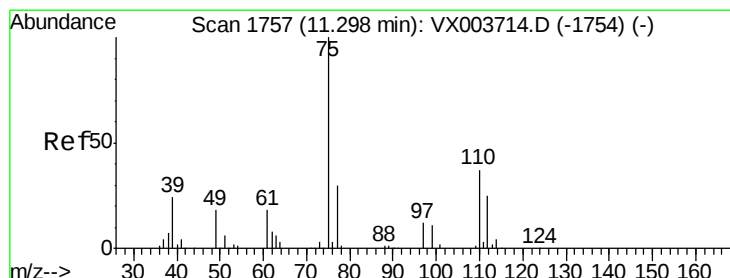
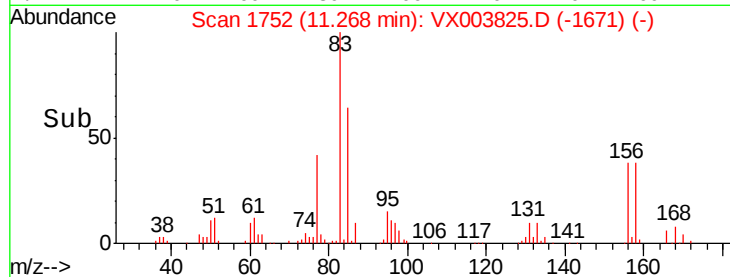
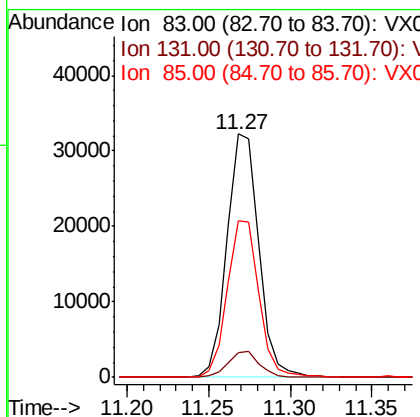
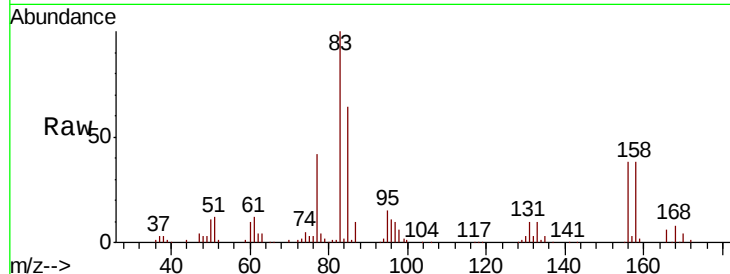
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.10 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	83	Resp	43719
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	5.4	16.2
85	64.0	32.4	97.2

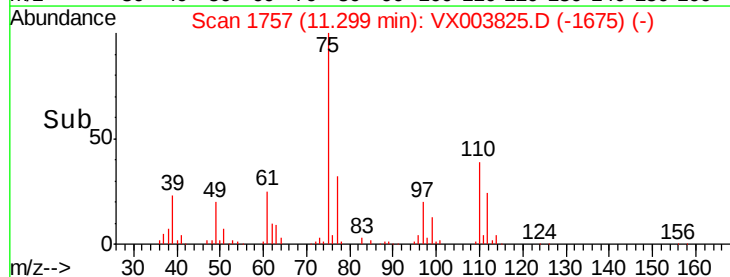
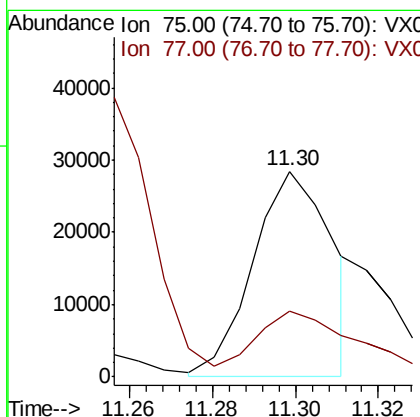
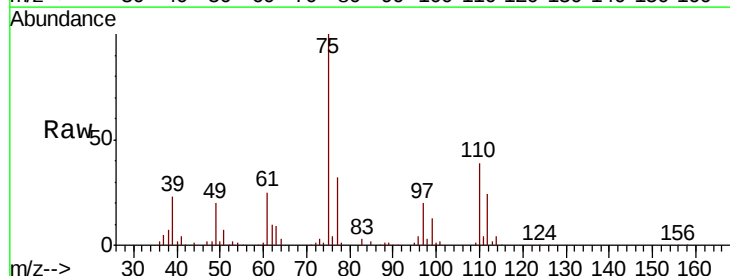
Manual Integrations
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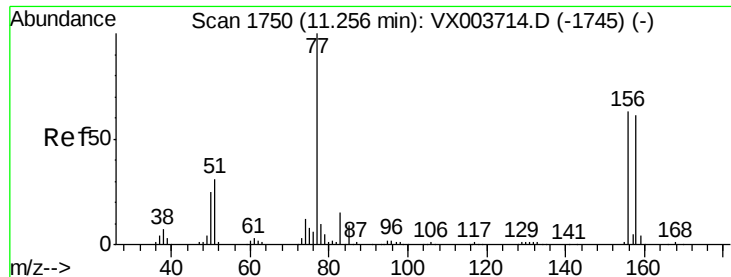
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 19.80 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion	75	Resp	37717
Ion Ratio	100	Lower	Upper
75	100		
77	41.6	0.0	71.8





#73

Bromobenzene

Concen: 19.35 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

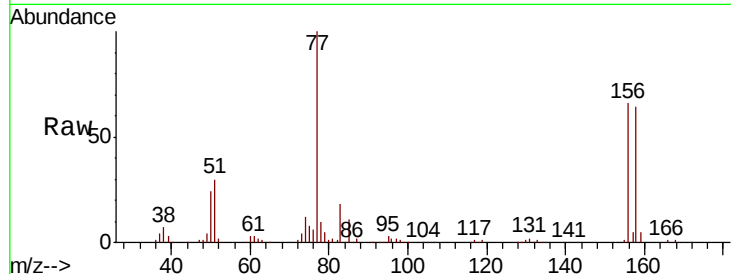
ClientSampled :

VX0802WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		33445		
77	146.5	0.0	301.0		
158	97.7	0.0	196.2		

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:48:24 AM

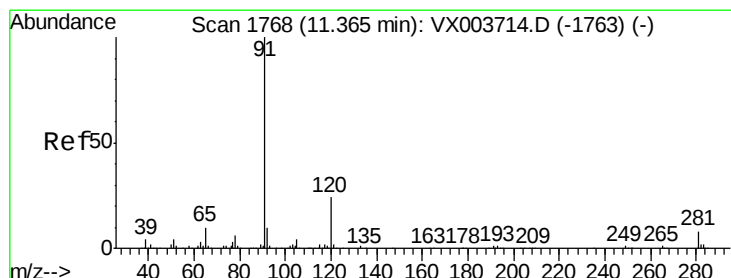
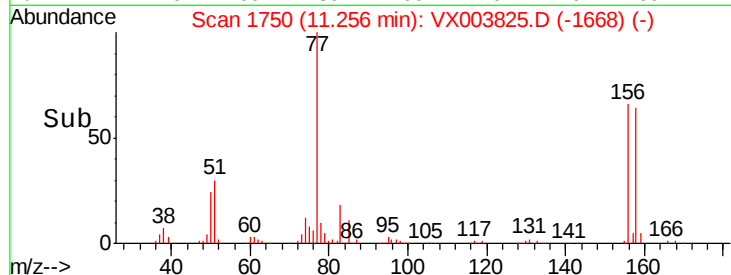
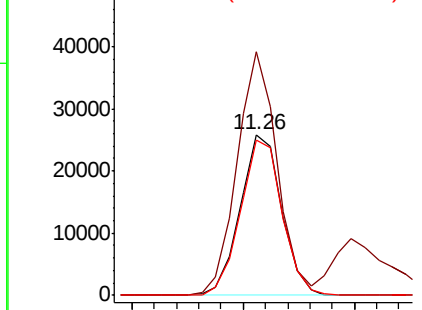


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.05 ug/l

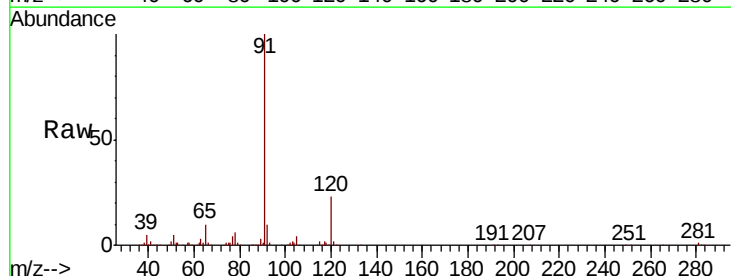
RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

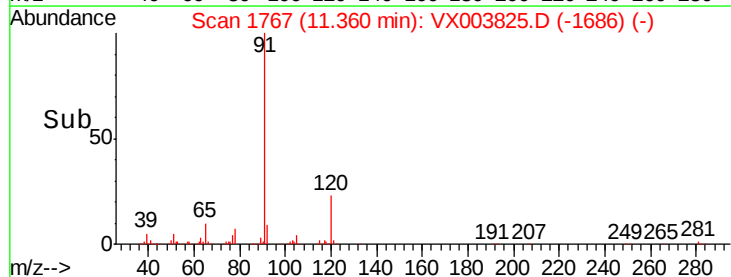
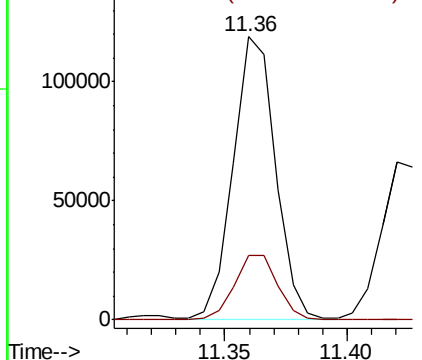
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		143925		
120	23.3	0.0	46.2		

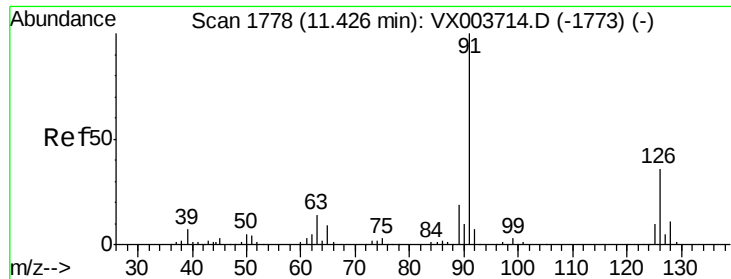


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





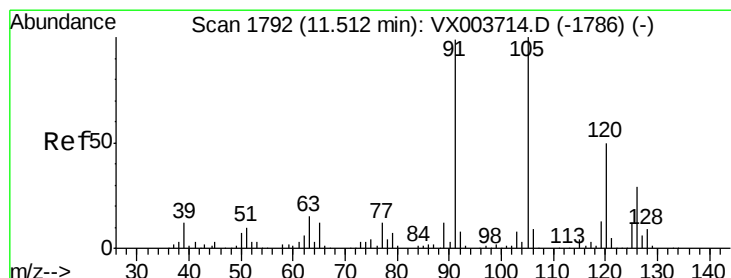
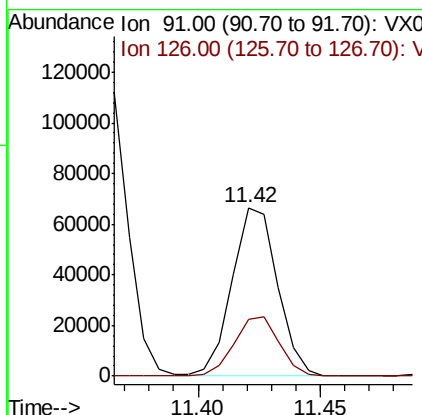
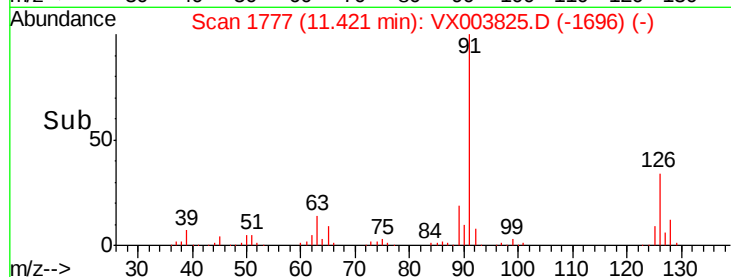
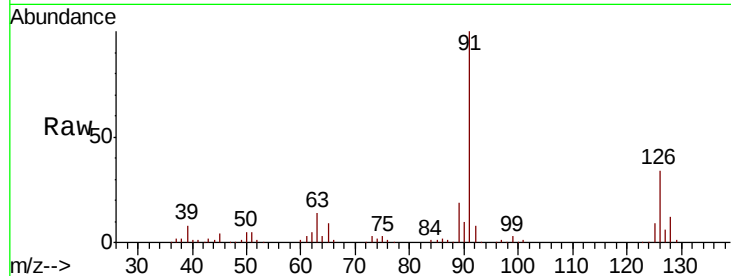
#75
 2-Chlorotoluene
 Concen: 19.35 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion: 91 Resp: 86134
 Ion Ratio Lower Upper
 91 100
 126 35.0 0.0 69.4

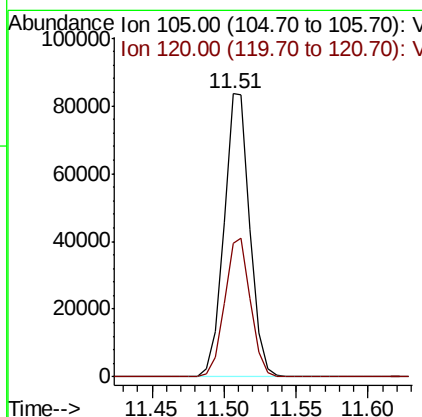
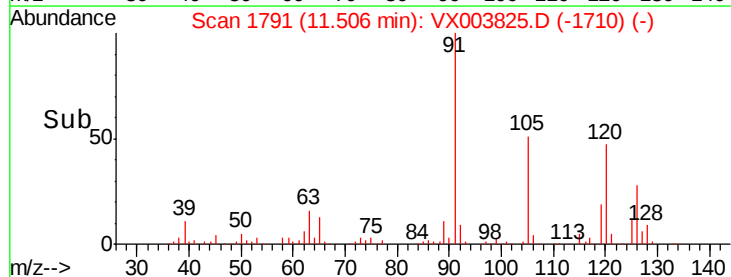
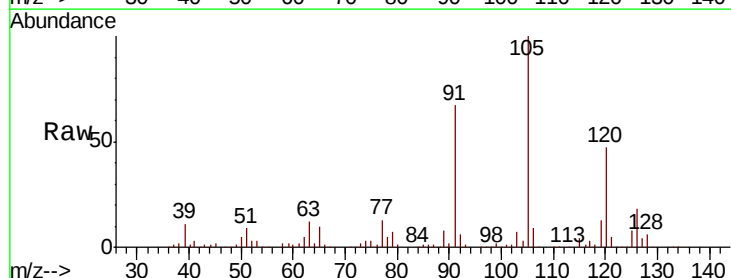
Manual Integrations
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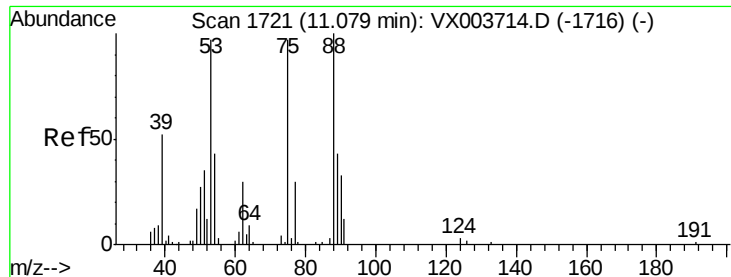
MMDadoda
 8/3/2018 9:48:24 AM



#76
 1,3,5-Trimethylbenzene
 Concen: 19.39 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion: 105 Resp: 105527
 Ion Ratio Lower Upper
 105 100
 120 48.9 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 18.15 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Instrument :

MSVOA_X

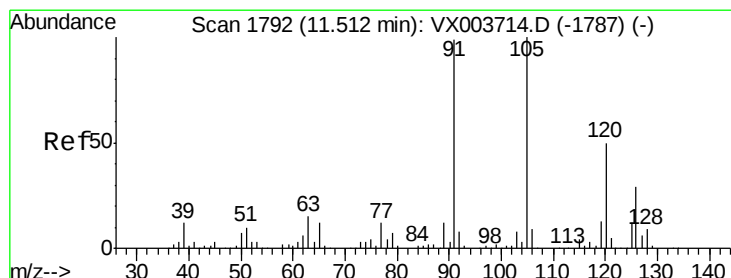
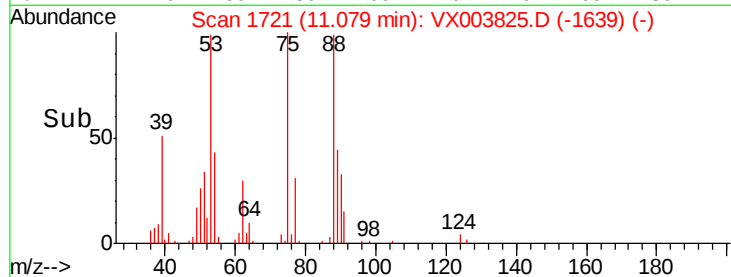
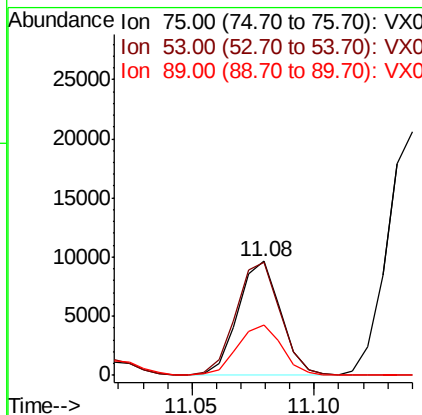
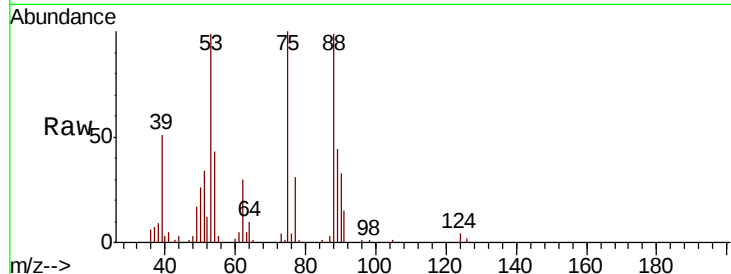
ClientSampled :

VX0802WBS01

Tot Ion:	75	Resp:	11777
Ion	Ratio	Lower	Upper
75	100		
53	98.8	48.3	144.9
89	44.4	21.8	65.4

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#78

4-Chlorotoluene

Concen: 19.27 ug/l

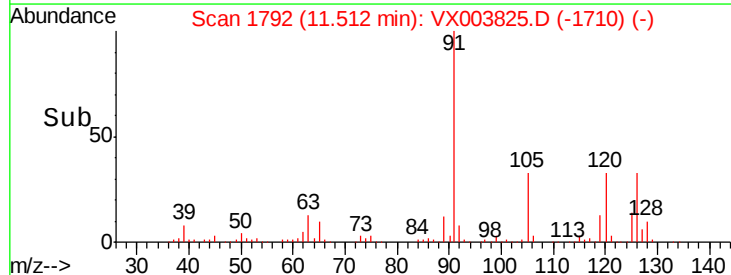
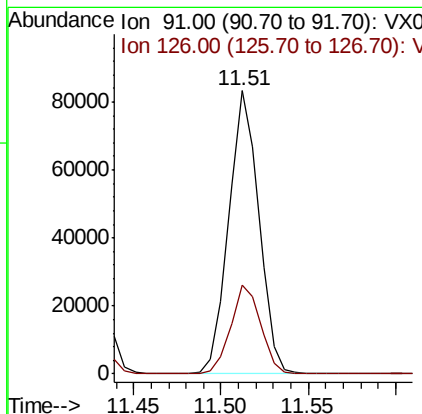
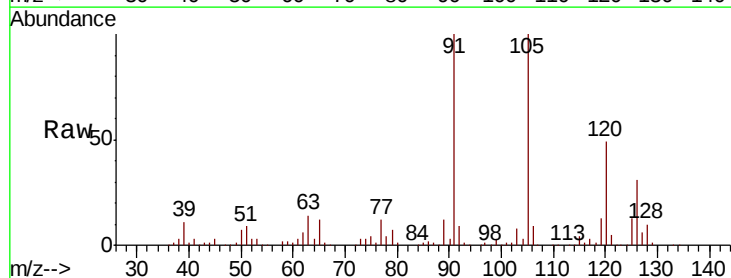
RT: 11.51 min Scan# 1792

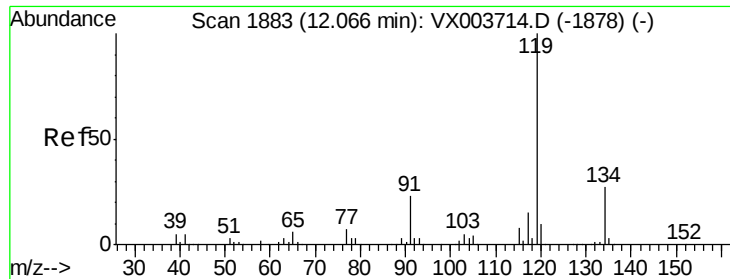
Delta R.T. 0.00 min

Lab File: VX003825.D

Acq: 02 Aug 2018 15:11

Tgt Ion:	91	Resp:	100359
Ion	Ratio	Lower	Upper
91	100		
126	31.0	0.0	61.0





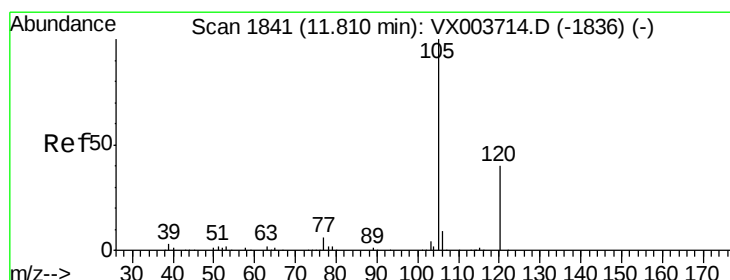
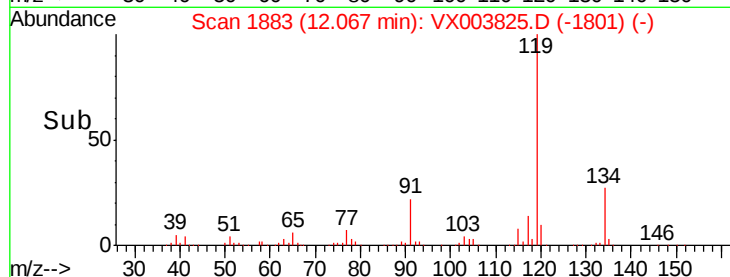
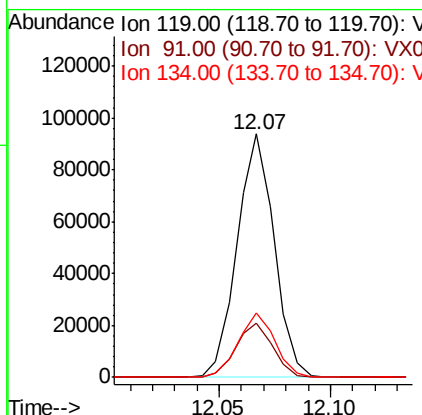
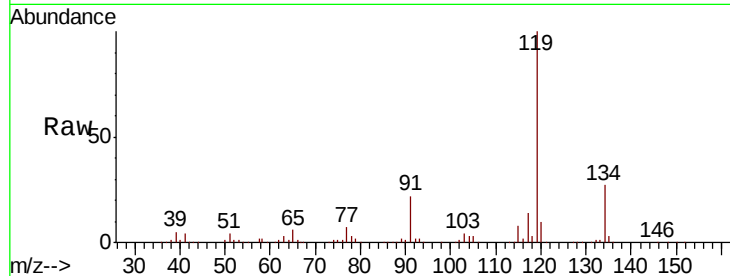
#79
tert-butylbenzene
Concen: 19.39 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	108584		
91	22.6	0.0	48.0	
134	26.4	0.0	52.6	

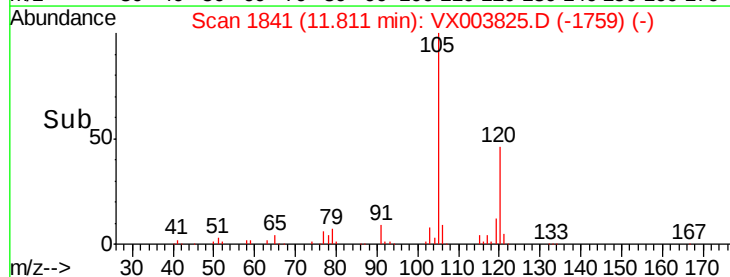
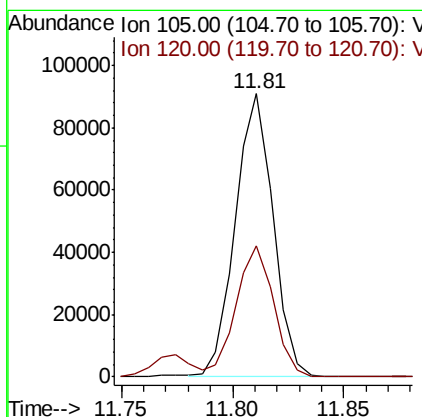
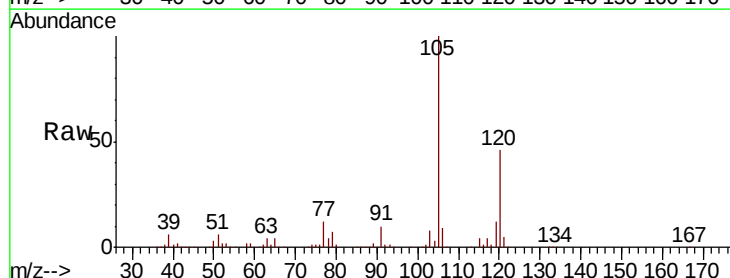
Manual Integrations
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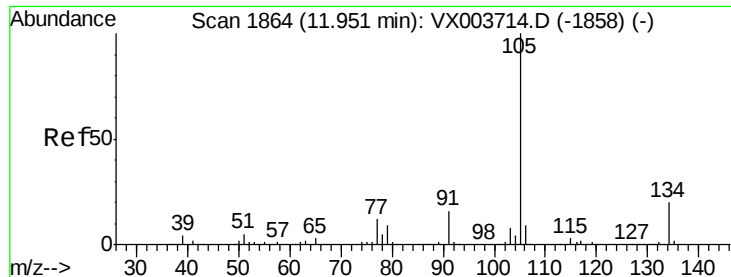
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.31 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	107517		
120	46.1	0.0	89.2	





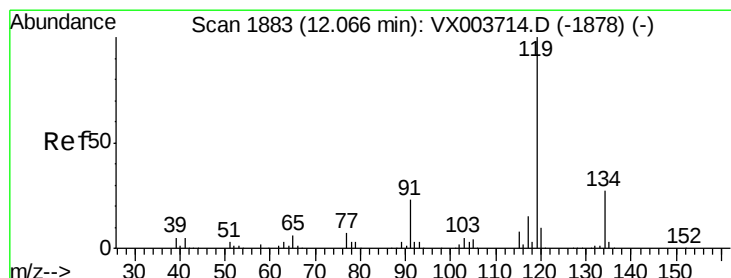
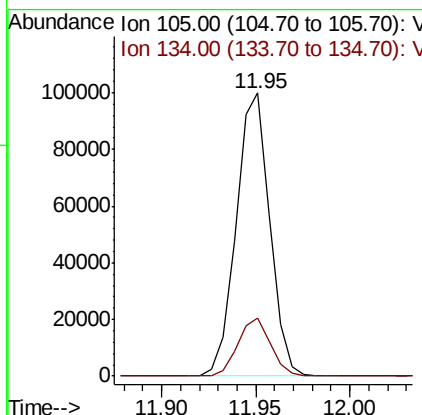
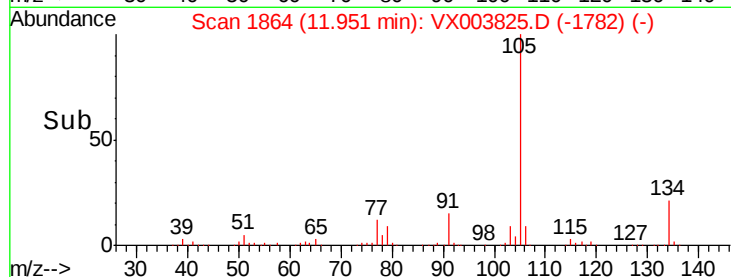
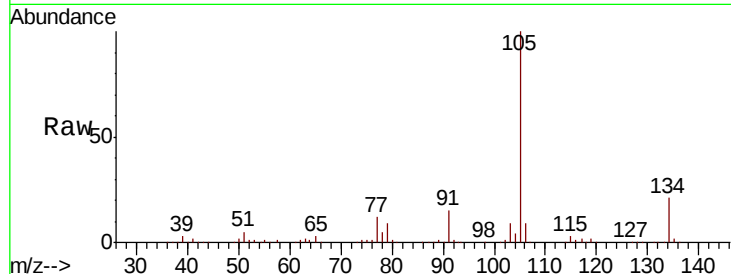
#81
 sec-Butylbenzene
 Concen: 19.32 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	41.6

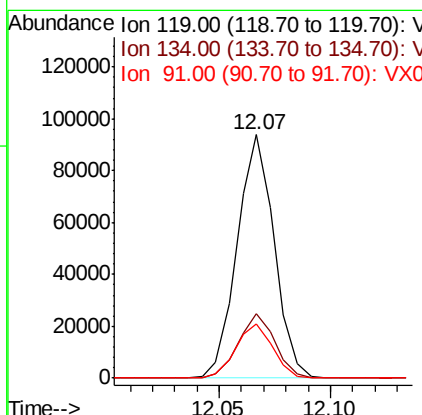
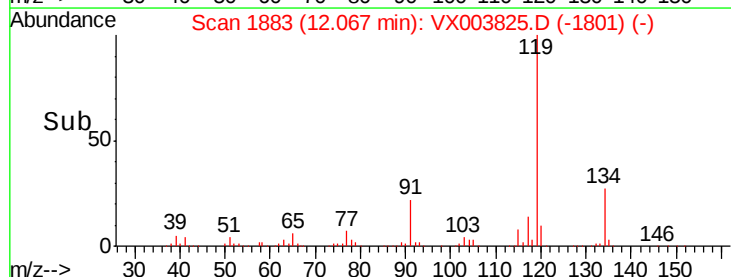
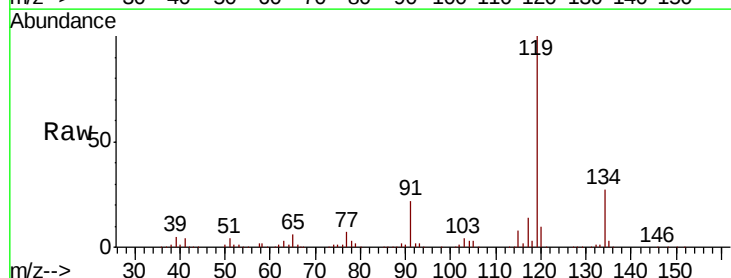
Manual Integrations
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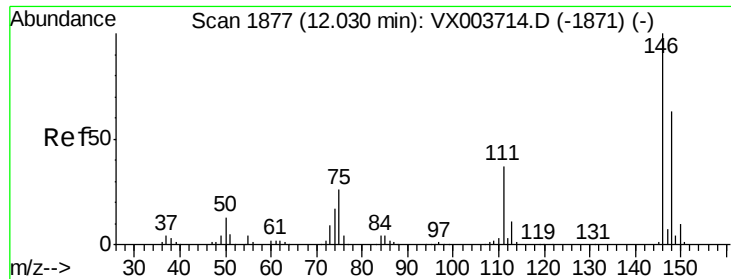
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#82
 p-Isopropyltoluene
 Concen: 19.39 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	52.6
91	22.6	0.0	48.0





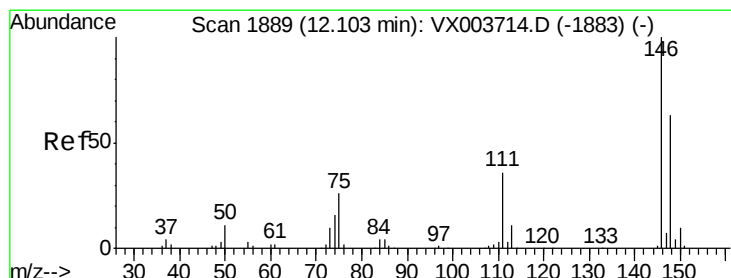
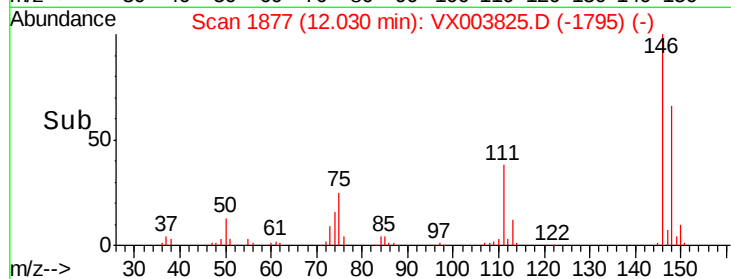
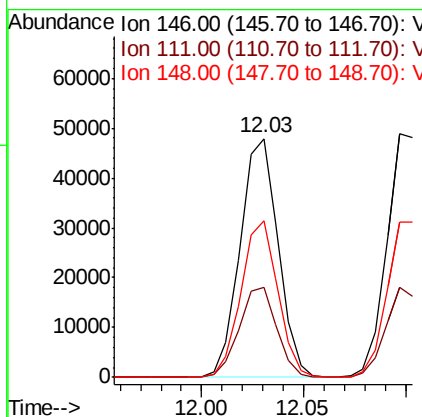
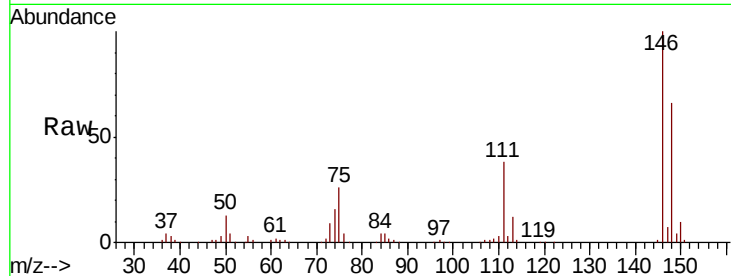
#83
 1,3-Dichlorobenzene
 Concen: 19.65 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.5
148	63.8	31.9	95.7

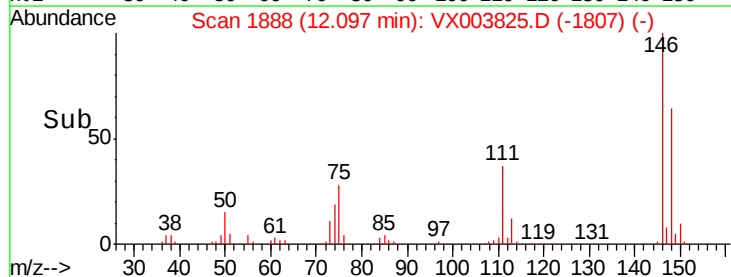
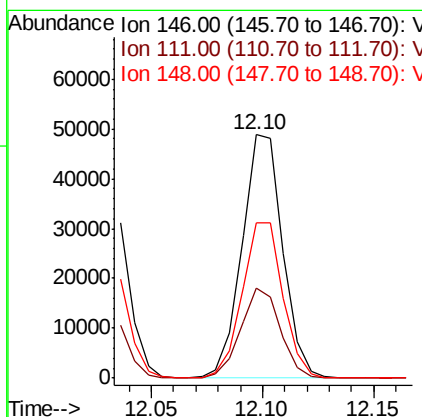
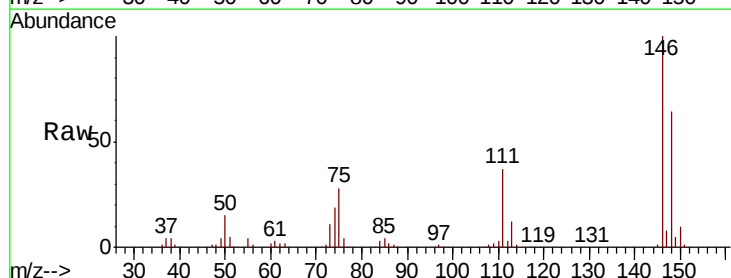
Manual Integrations
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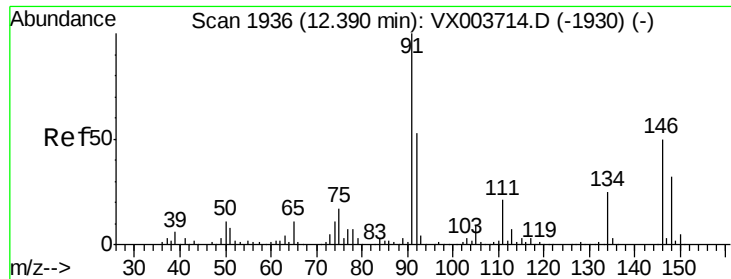
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 8/3/2018 9:48:24 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.5	55.5
148	64.6	32.0	96.0





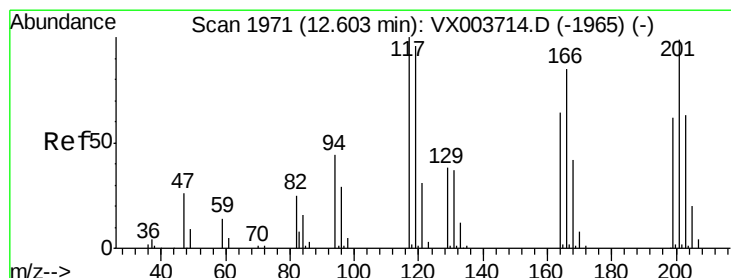
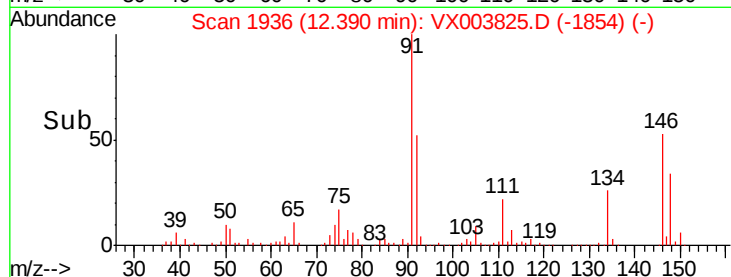
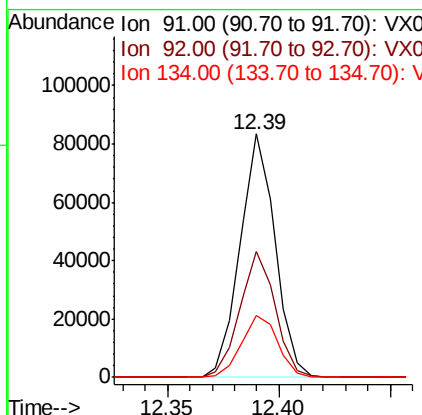
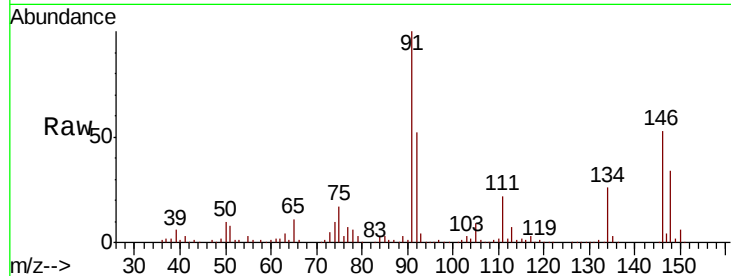
#85
n-Butylbenzene
Concen: 18.49 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	91892		
92	52.0	0.0	105.2	
134	26.4	0.0	53.2	

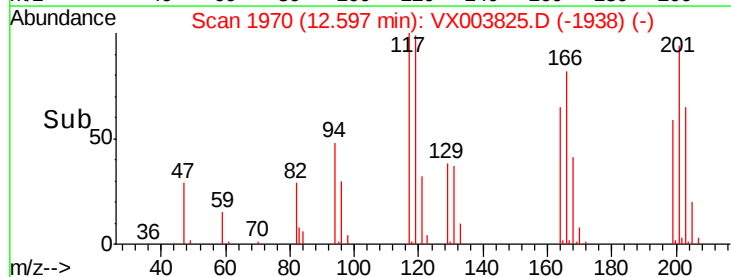
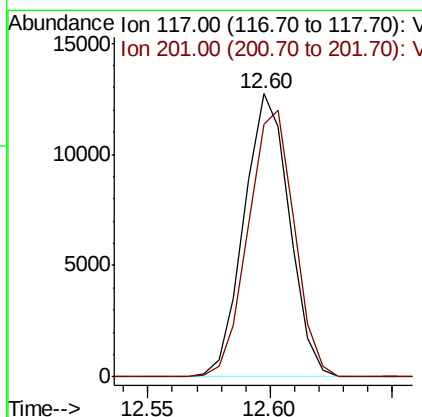
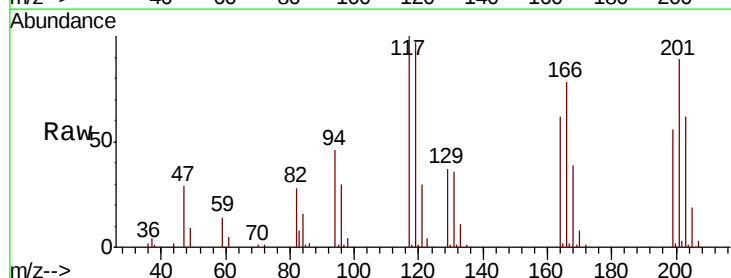
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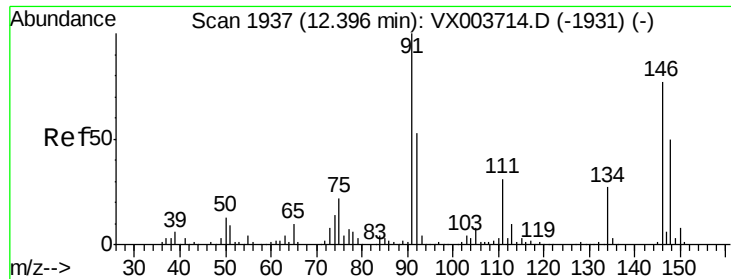
MMDadoda
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#86
Hexachloroethane
Concen: 18.29 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	16500		
201	95.7	47.6	142.8	





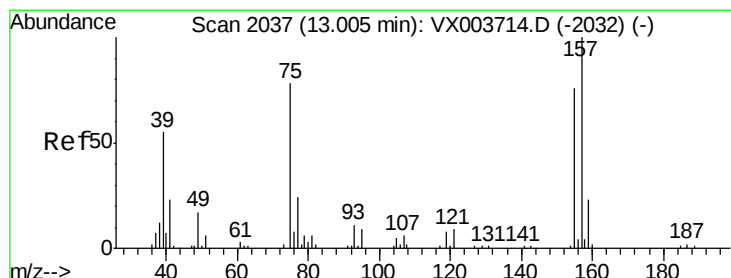
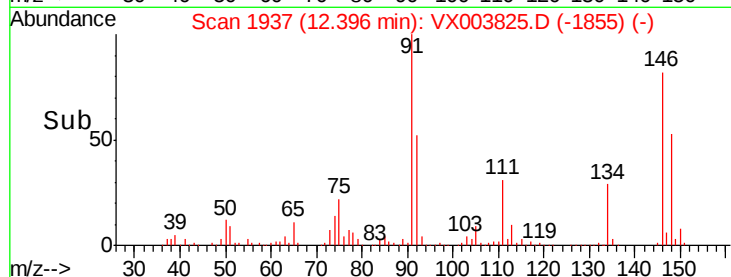
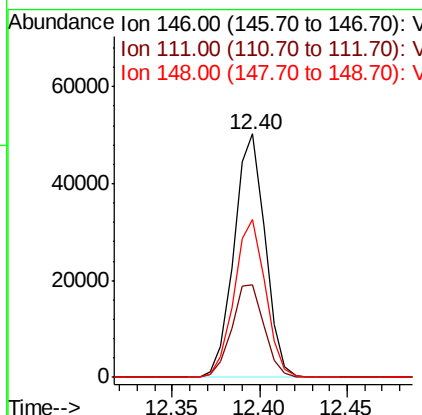
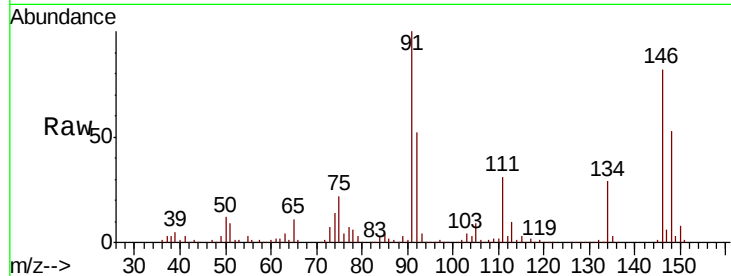
#87
 1,2-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	64.9	32.8	98.3

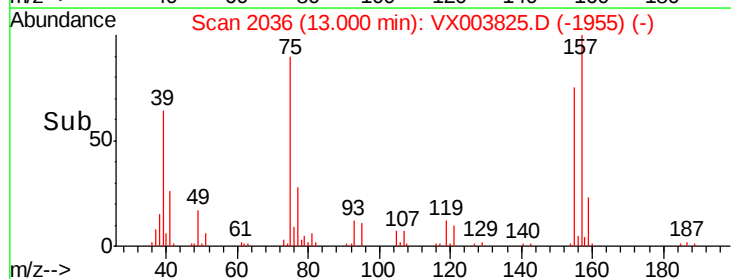
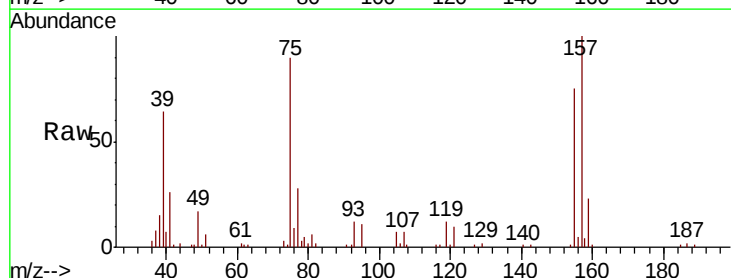
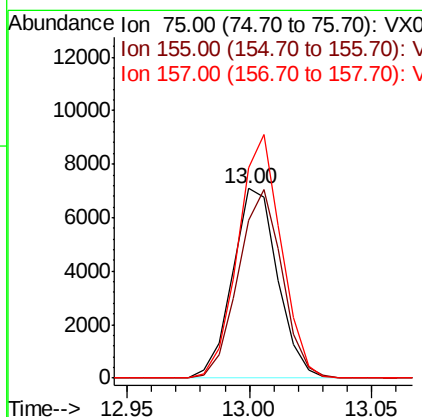
Manual Integrations
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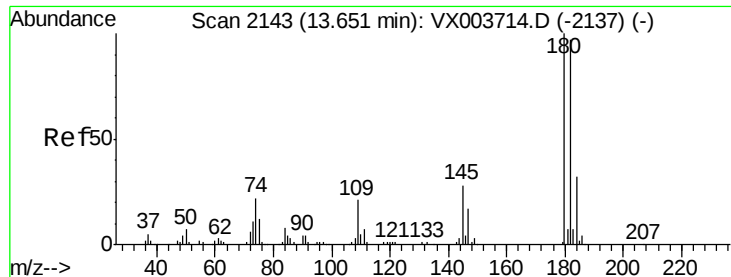
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.78 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	73.1	109.7
157	122.7	93.1	139.7





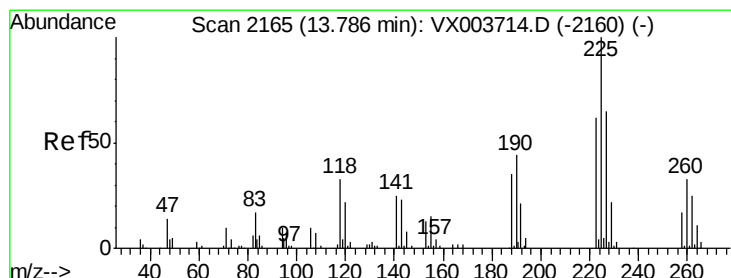
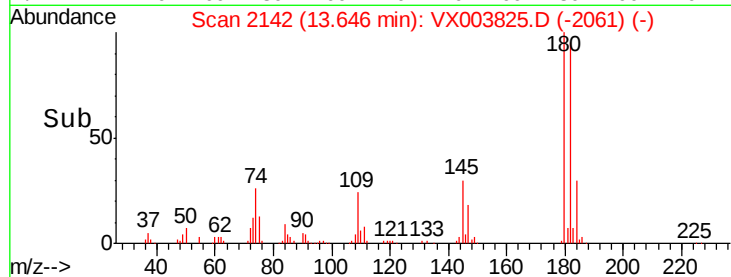
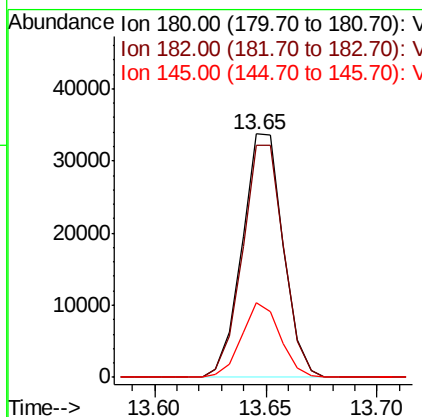
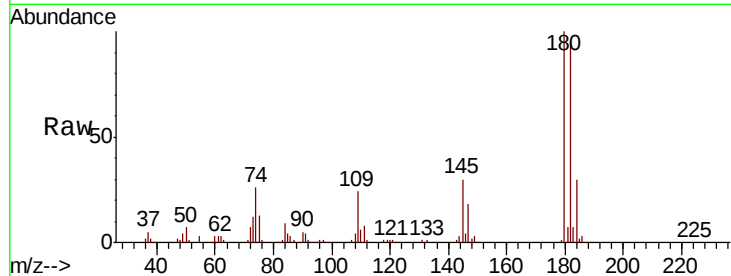
#89
 1,2,4-Trichlorobenzene
 Concen: 19.56 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	28.7	22.9	34.3

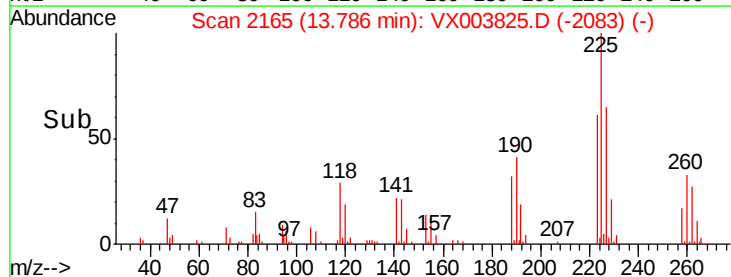
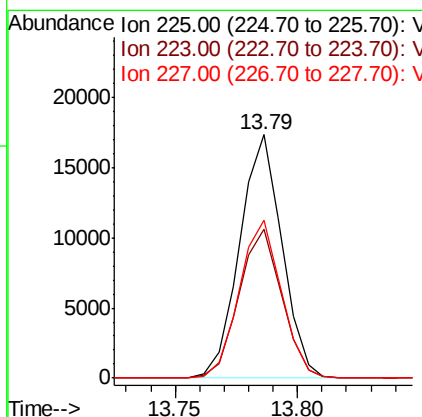
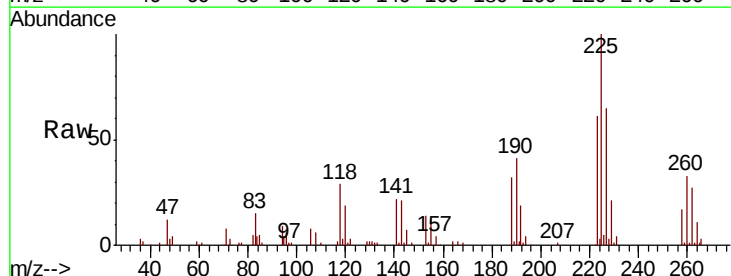
Manual Integrations
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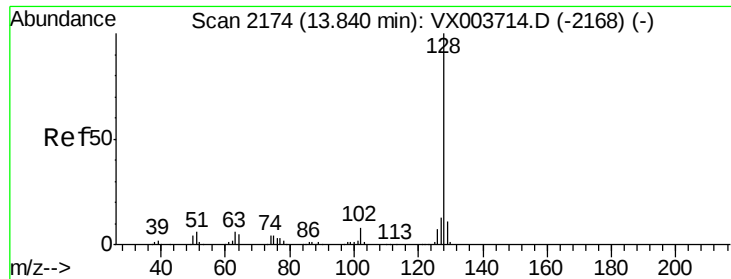
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#90
 Hexachlorobutadiene
 Concen: 20.65 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003825.D
 Acq: 02 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	122.4
227	64.5	0.0	128.0





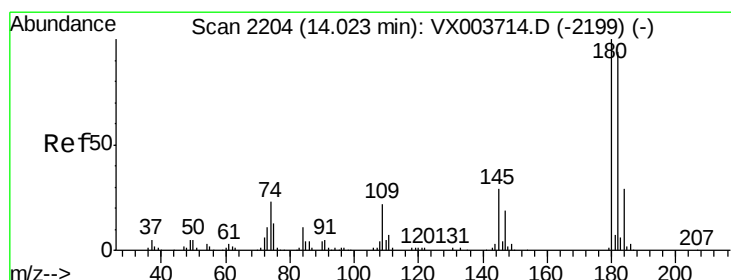
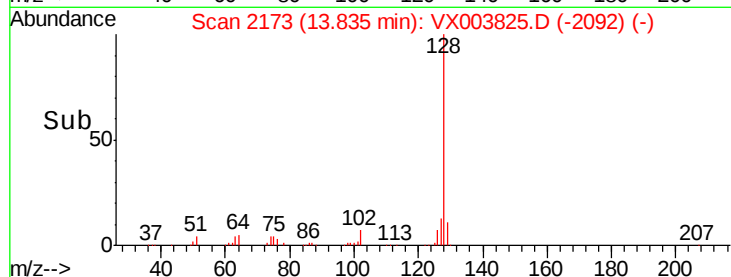
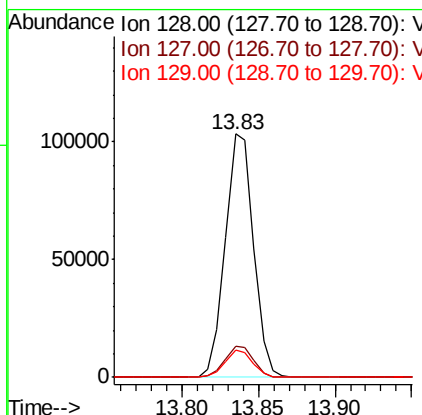
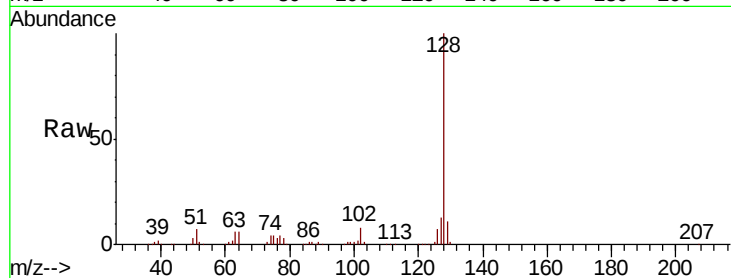
#91
Naphthalene
Concen: 19.47 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion:	128	Resp:	132387
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.9	13.3

Manual Integrations
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MMDadoda
8/3/2018 9:48:24 AM



#92
1,2,3-Trichlorobenzene
Concen: 19.89 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003825.D
Acq: 02 Aug 2018 15:11

Tgt Ion:	180	Resp:	45057
Ion Ratio	Lower	Upper	
180	100		
182	96.2	0.0	191.0
145	29.8	0.0	60.6

