

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
 Data File : VX005078.D
 Acq On : 05 Oct 2018 20:38
 Operator : JC/MD
 Sample : VX1005WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 2:02:40 PM

Quant Time: Oct 06 00:08:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225319	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	330278	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187724	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	157525	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	5.50	113	127707	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
50) Toluene-d8	8.72	98	470491	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.14	95	173256	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62966	20.496	ug/l	96
3) Chloromethane	1.32	50	66863	17.939	ug/l	100
4) Vinyl Chloride	1.40	62	68707	19.654	ug/l	100
5) Bromomethane	1.64	94	38362	18.506	ug/l	96
6) Chloroethane	1.72	64	41062	20.164	ug/l	98
7) Trichlorofluoromethane	1.93	101	91806	21.213	ug/l	95
8) Diethyl Ether	2.18	74	39034	20.761	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52407	21.258	ug/l	99
10) Methyl Iodide	2.51	142	50291	15.245	ug/l	92
11) Tert butyl alcohol	3.07	59	93253	103.617	ug/l	100
12) 1,1-Dichloroethene	2.37	96	48683	19.940	ug/l	95
13) Acrolein	2.29	56	16511	25.785	ug/l	90
14) Allyl chloride	2.73	41	108290	20.329	ug/l	95
15) Acrylonitrile	3.15	53	209981	105.988	ug/l	96
16) Acetone	2.45	43	181948	96.826	ug/l #	88
17) Carbon Disulfide	2.57	76	126417	17.232	ug/l #	95
18) Methyl Acetate	2.78	43	121857	25.595	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	185530	22.031	ug/l	96
20) Methylene Chloride	2.85	84	59553	21.316	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	51699	19.344	ug/l	85
22) Diisopropyl ether	3.87	45	195028	21.742	ug/l	94
23) Vinyl Acetate	3.82	43	806347	98.205	ug/l	95
24) 1,1-Dichloroethane	3.69	63	108116	20.206	ug/l	97
25) 2-Butanone	4.70	43	279609	100.946	ug/l	94
26) 2,2-Dichloropropane	4.59	77	71272	19.128	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	58747	19.677	ug/l	97
28) Bromochloromethane	5.02	49	43673	17.332	ug/l	99
29) Tetrahydrofuran	5.16	42	183907	106.824	ug/l	99
30) Chloroform	5.21	83	98880	19.553	ug/l	100
31) Cyclohexane	5.58	56	86775	21.189	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	82089	19.877	ug/l	97
36) 1,1-Dichloropropene	5.80	75	70186	18.378	ug/l	94
37) Ethyl Acetate	4.86	43	96707	19.076	ug/l	98
38) Carbon Tetrachloride	5.78	117	71211	17.738	ug/l	98

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Manual Integrations
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MMDadoda
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Quant Time: Oct 06 00:08:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79454	20.374	ug/l #	84
40) Benzene	6.14	78	221530	18.528	ug/l	96
41) Methacrylonitrile	5.06	41	53780	19.129	ug/l	97
42) 1,2-Dichloroethane	6.20	62	83693	19.801	ug/l	97
43) Isopropyl Acetate	6.46	43	143660	19.634	ug/l	95
44) Trichloroethene	7.21	130	57466	19.551	ug/l	98
45) 1,2-Dichloropropane	7.52	63	59346	20.240	ug/l	96
46) Dibromomethane	7.66	93	36701	19.917	ug/l	100
47) Bromodichloromethane	7.90	83	69626	20.181	ug/l	100
48) Methyl methacrylate	7.78	41	72437	21.811	ug/l	99
49) 1,4-Dioxane	7.76	88	32702	396.348	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	509287	110.544	ug/l	99
52) Toluene	8.79	92	135103	20.564	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	75245	19.300	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	84013	20.574	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	56738	19.716	ug/l	97
56) Ethyl methacrylate	9.18	69	85627	20.148	ug/l	97
57) 1,3-Dichloropropane	9.37	76	95701	19.981	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	245263	107.518	ug/l	99
59) 2-Hexanone	9.50	43	398778	103.870	ug/l	95
60) Dibromochloromethane	9.59	129	55811	19.392	ug/l	100
61) 1,2-Dibromoethane	9.67	107	58506	18.983	ug/l	96
64) Tetrachloroethene	9.34	164	61255	19.791	ug/l	97
65) Chlorobenzene	10.14	112	150262	18.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	53627	18.916	ug/l	99
67) Ethyl Benzene	10.26	91	249876	19.518	ug/l	97
68) m/p-Xylenes	10.36	106	195567	39.091	ug/l	95
69) o-Xylene	10.70	106	92996	20.238	ug/l	99
70) Styrene	10.71	104	157556	19.688	ug/l	99
71) Bromoform	10.86	173	44344	18.270	ug/l #	96
73) Isopropylbenzene	11.02	105	259463	21.928	ug/l	100
74) N-amyl acetate	10.90	43	120330	19.603	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	93358	19.382	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	85086m	20.222	ug/l	
77) Bromobenzene	11.26	156	68516	19.936	ug/l	99
78) n-propylbenzene	11.36	91	291491	21.470	ug/l	99
79) 2-Chlorotoluene	11.42	91	177148	20.934	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	216139	19.811	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	24401	17.176	ug/l	97
82) 4-Chlorotoluene	11.51	91	207446	20.827	ug/l	99
83) tert-Butylbenzene	11.77	119	213452	21.910	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	224482	19.953	ug/l	100
85) sec-Butylbenzene	11.94	105	262263	22.102	ug/l	100
86) p-Isopropyltoluene	12.07	119	231937	21.574	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	127885	19.927	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	127418	19.233	ug/l	98
89) n-Butylbenzene	12.39	91	202326	20.722	ug/l	99
90) Hexachloroethane	12.60	117	34332	19.180	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	127432	19.001	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21044	19.898	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	94582	20.104	ug/l	99
94) Hexachlorobutadiene	13.79	225	47949	19.655	ug/l	100
95) Naphthalene	13.83	128	298255	19.545	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	98324	20.232	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

VX1005WBS01

Tot Ion:168 Resp: 225319

Ion Ratio Lower Upper

168 100

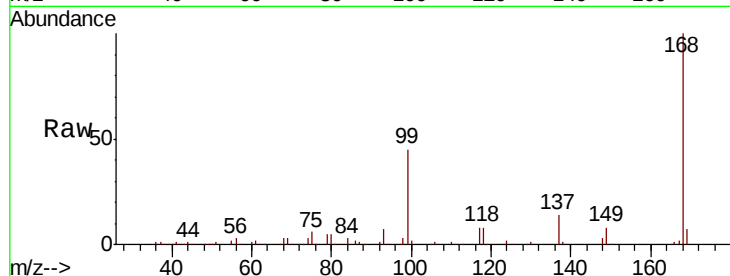
99 44.7 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

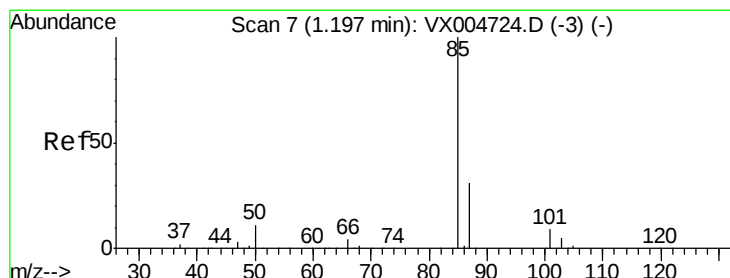
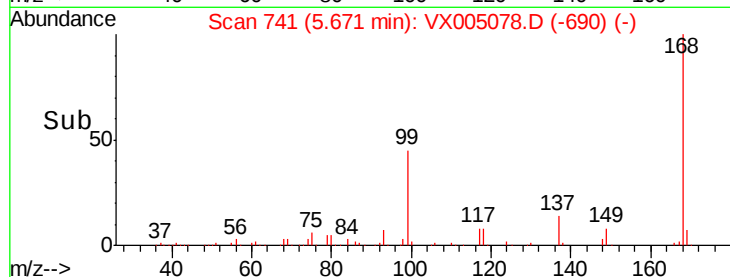
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 20.496 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005078.D

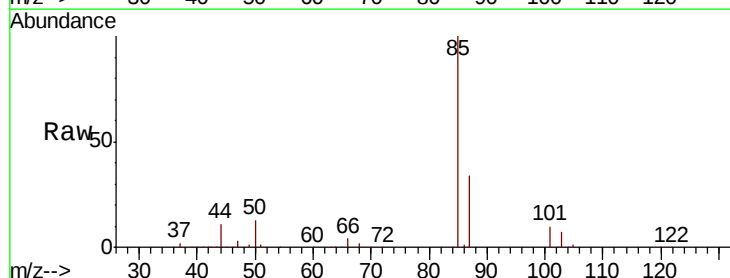
Acq: 05 Oct 2018 20:38

Tgt Ion: 85 Resp: 62966

Ion Ratio Lower Upper

85 100

87 33.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

40000

20000

0

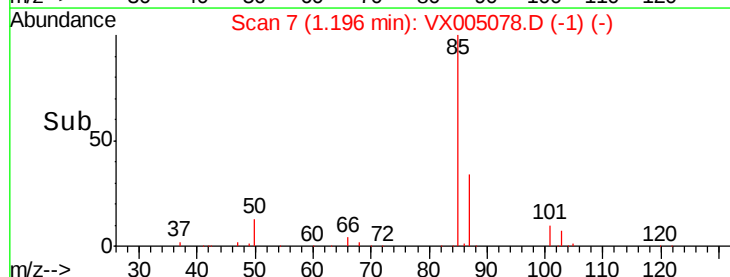
Time-->

1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 17.939 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

Tot Ion: 50 Resp: 66863

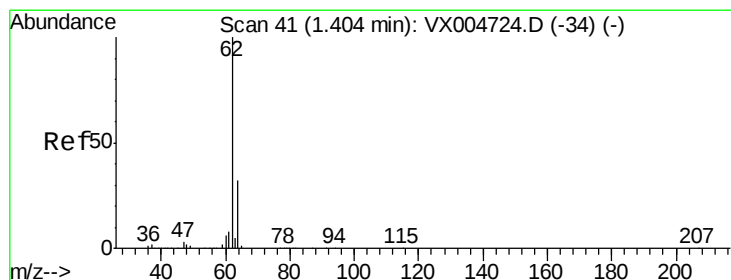
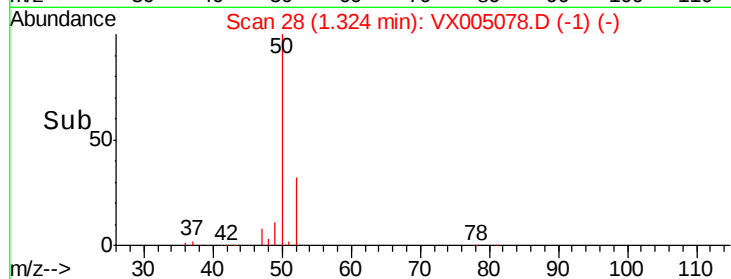
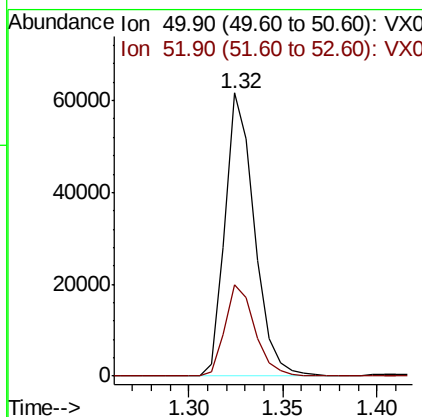
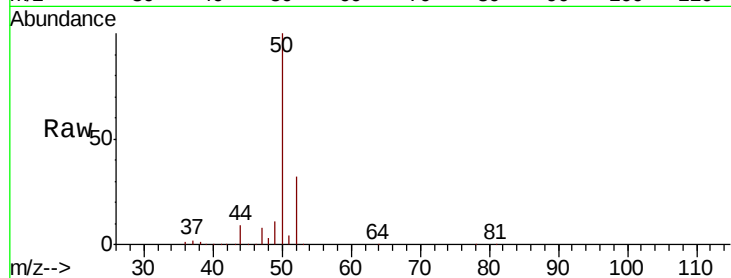
Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.654 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005078.D

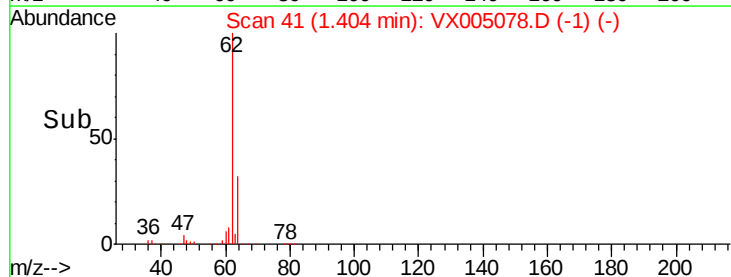
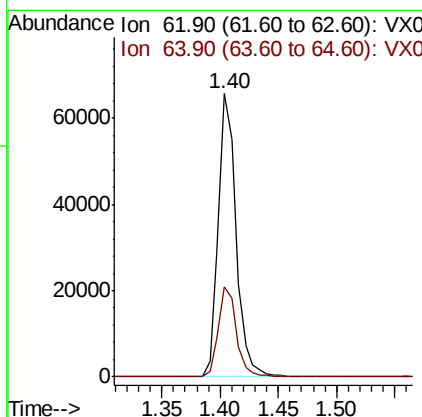
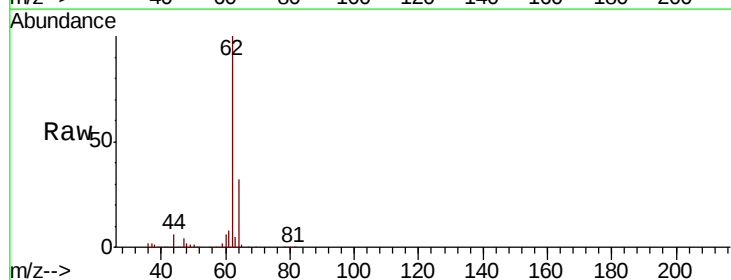
Acq: 05 Oct 2018 20:38

Tgt Ion: 62 Resp: 68707

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 18.506 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

Tot Ion: 94 Resp: 38362

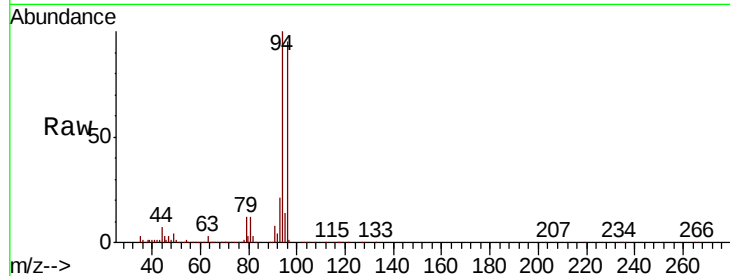
Ion Ratio Lower Upper

94 100

96 95.1 79.5 119.3

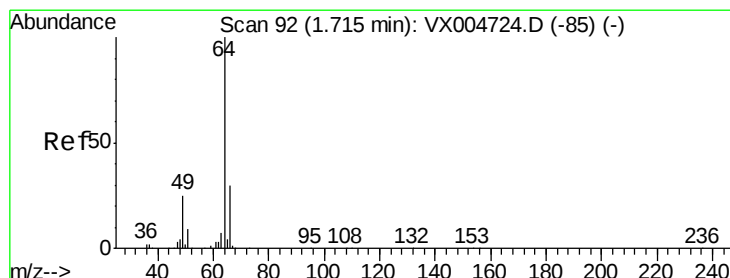
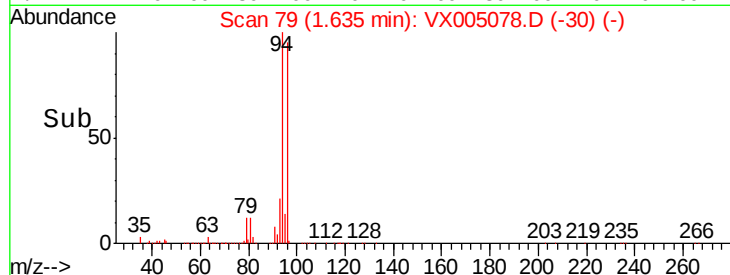
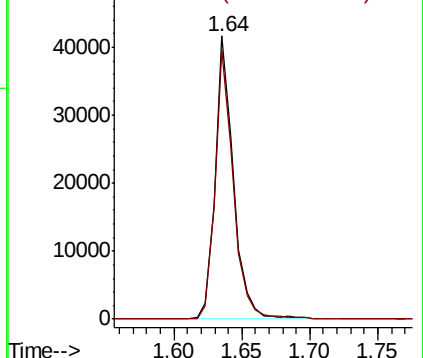
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.164 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005078.D

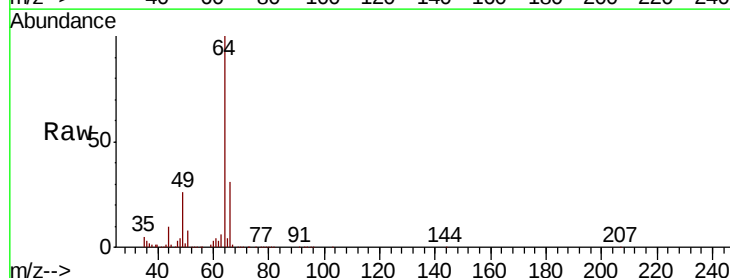
Acq: 05 Oct 2018 20:38

Tgt Ion: 64 Resp: 41062

Ion Ratio Lower Upper

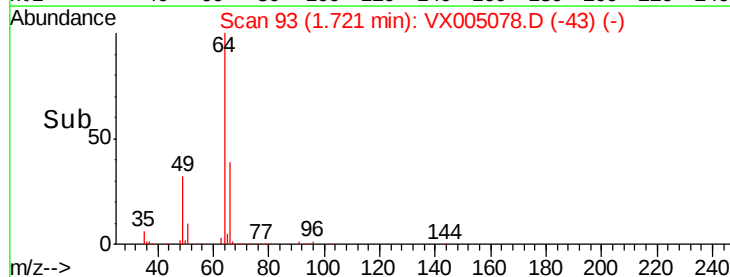
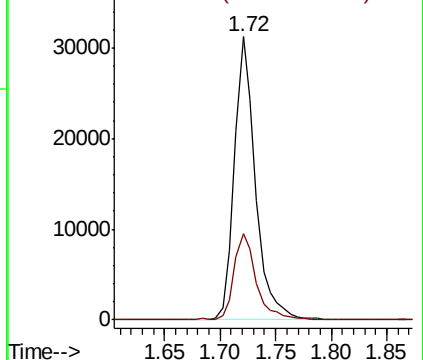
64 100

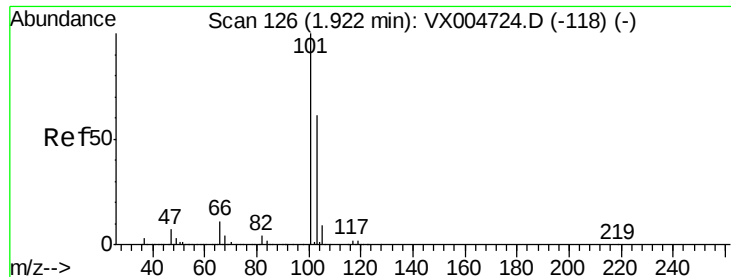
66 30.6 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

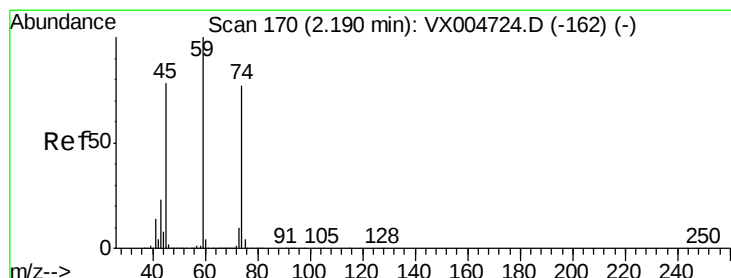
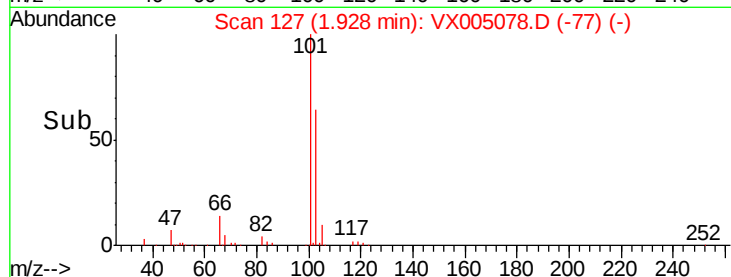
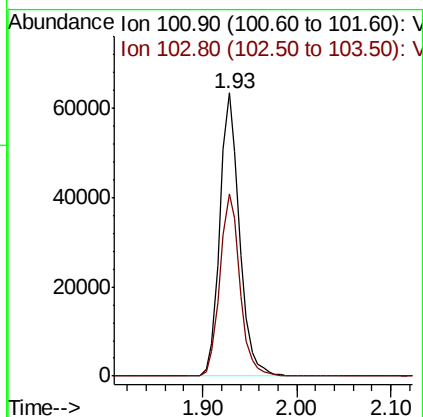
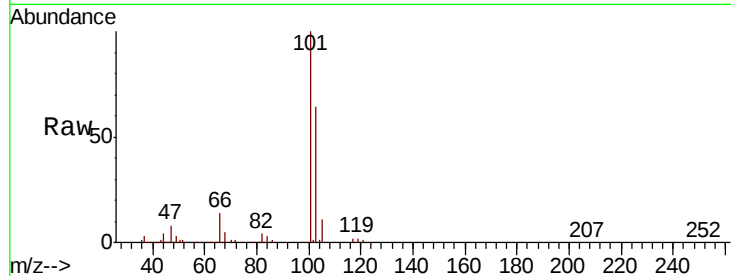
Trichlorofluoromethane
Concen: 21.213 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
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ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	48.4	72.6

Manual Integrations
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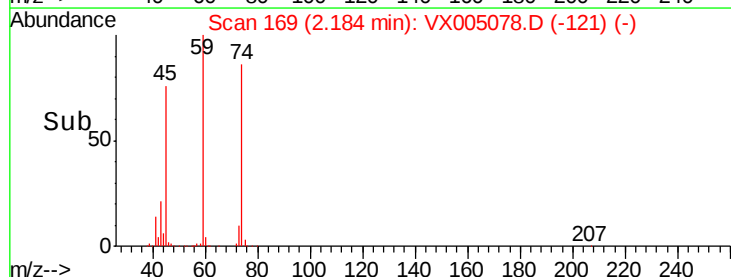
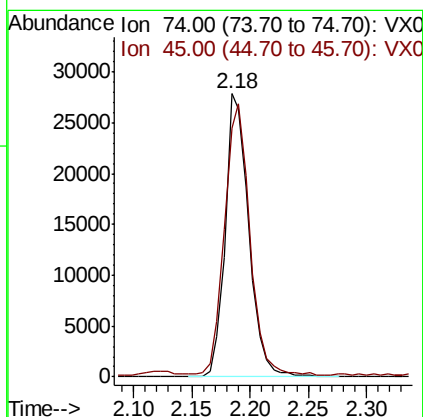
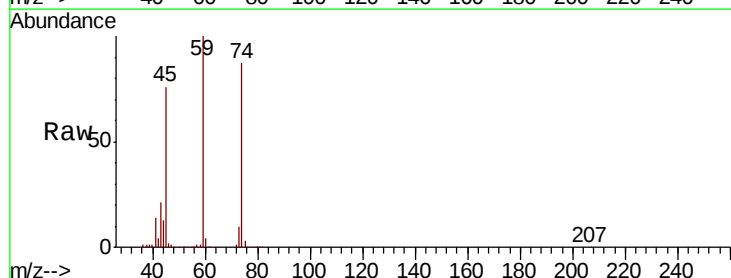
MMDadoda
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#8

Diethyl Ether
Concen: 20.761 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.258 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

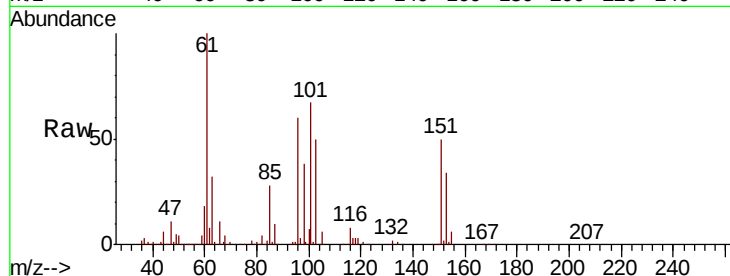
ClientSampleId :

VX1005WBS01

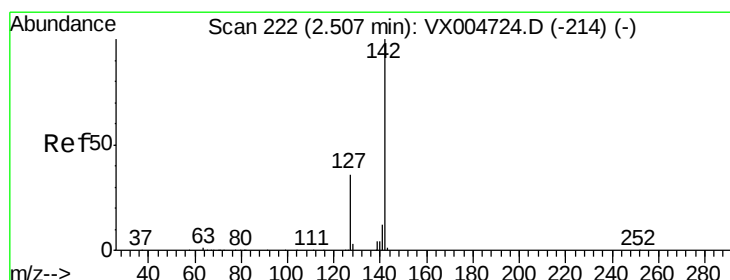
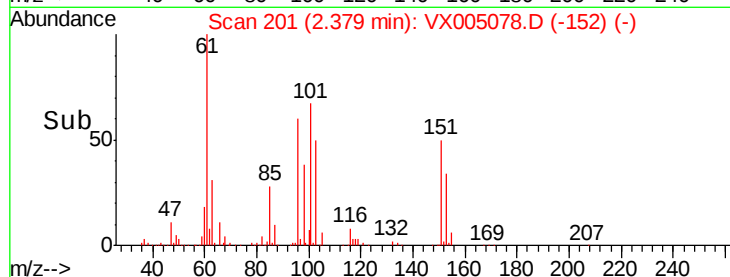
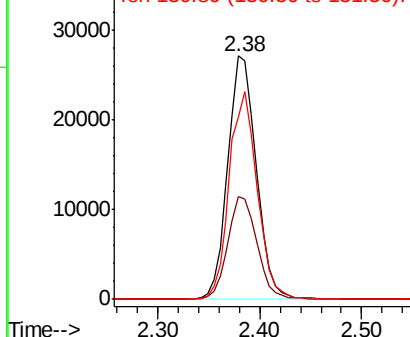
Tot Ion:	101	Resp:	52407
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.9	53.9
151	83.9	66.6	100.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.245 ug/l

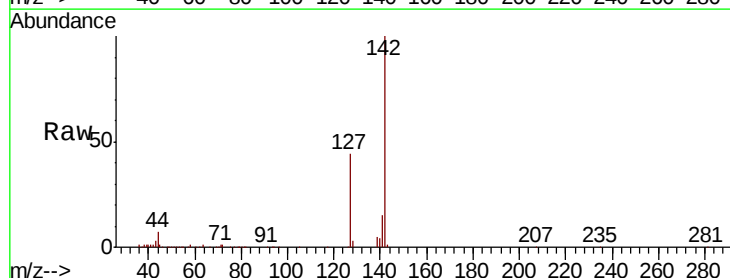
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

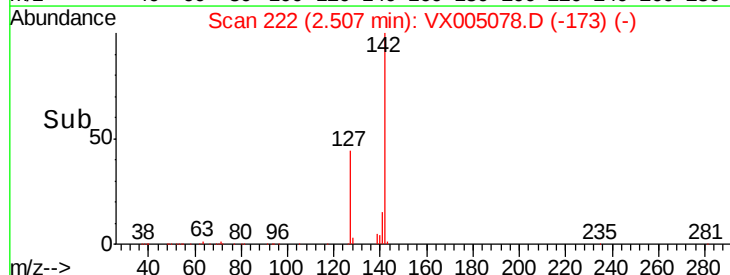
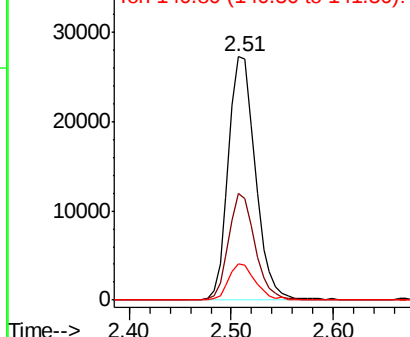
Lab File: VX005078.D

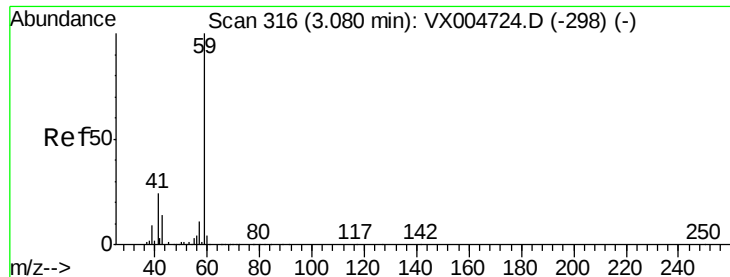
Acq: 05 Oct 2018 20:38

Tgt Ion:	142	Resp:	50291
Ion Ratio	Lower	Upper	
142	100		
127	42.6	30.1	45.1
141	14.7	10.1	15.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

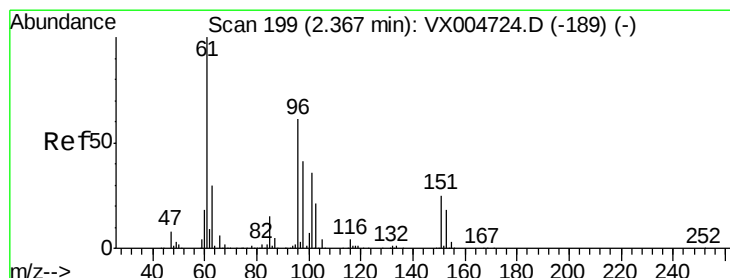
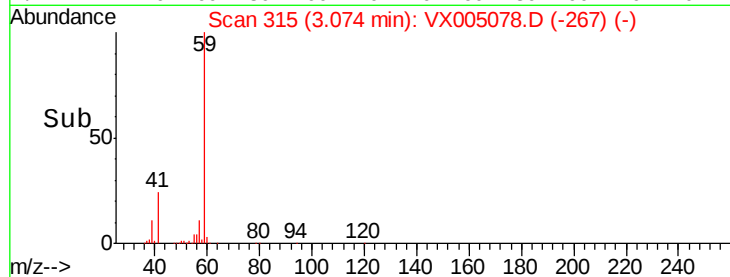
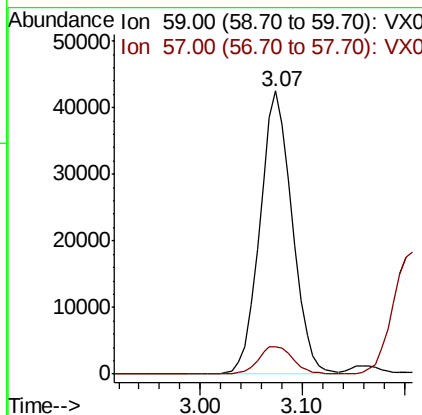
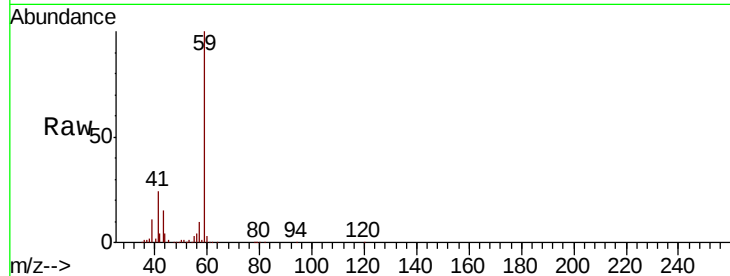
Tert butyl alcohol
Concen: 103.617 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampled :
VX1005WBS01

Tot Ion	59	57	Ratio	100	10.7	Resp	93253	Lower	8.6	Upper	12.8
Ion	59	57	Ratio	100	10.7	Resp	93253	Lower	8.6	Upper	12.8

Manual Integrations
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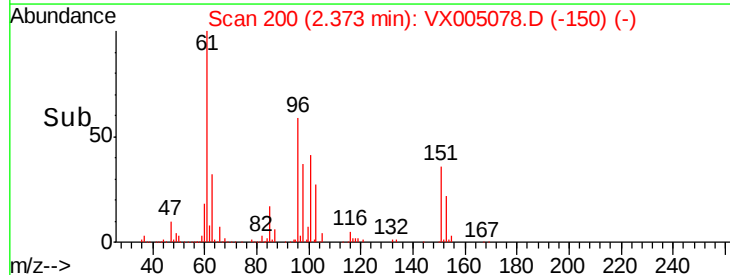
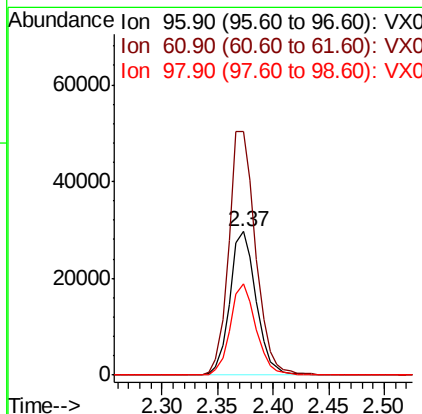
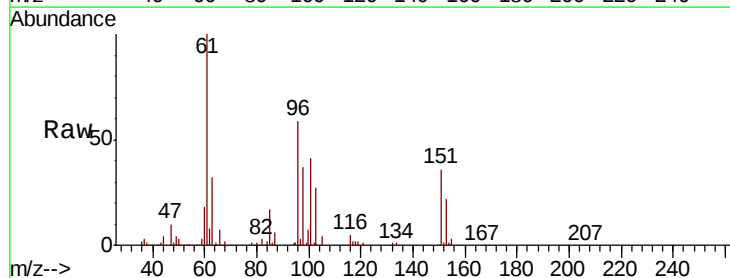
MMDadoda
10/8/2018 2:02:40 PM



#12

1,1-Dichloroethene
Concen: 19.940 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	96	61	98	Ratio	100	169.6	63.4	Resp	48683	Lower	130.2	53.4	Upper	195.4	80.0
Ion	96	61	98	Ratio	100	169.6	63.4	Resp	48683	Lower	130.2	53.4	Upper	195.4	80.0





#13

Acrolein

Concen: 25.785 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

Tot Ion: 56 Resp: 16511

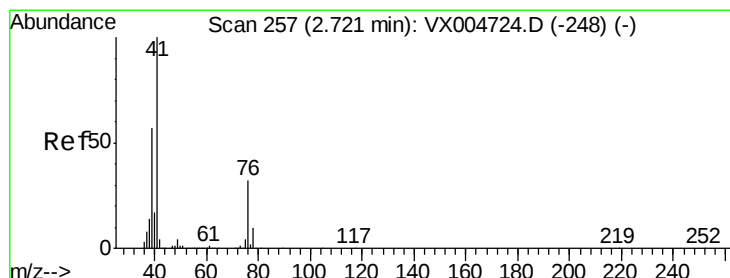
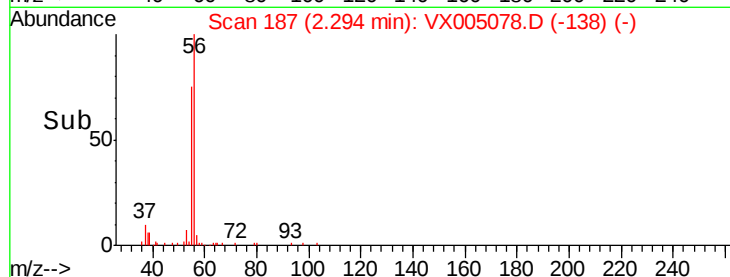
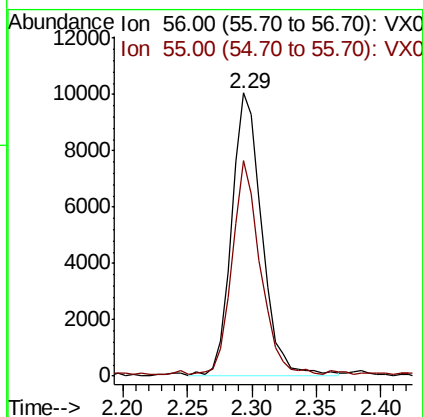
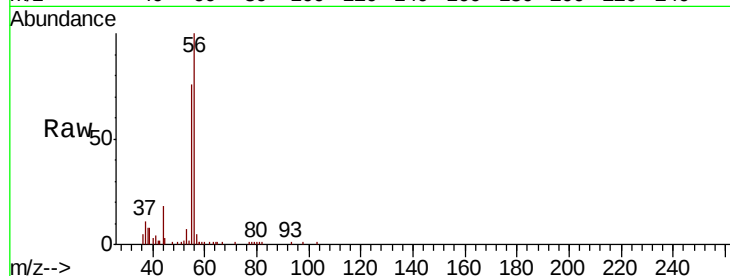
Ion Ratio Lower Upper

56 100

55 70.1 63.4 95.2

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:40 PM



#14

Allyl chloride

Concen: 20.329 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

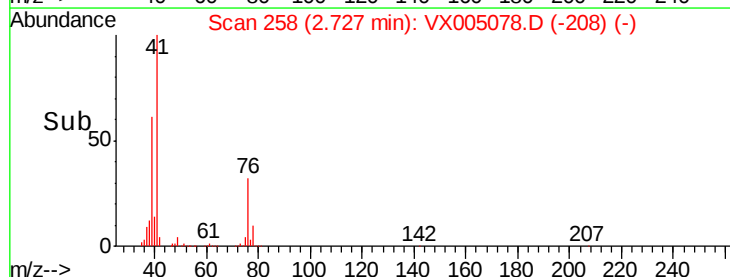
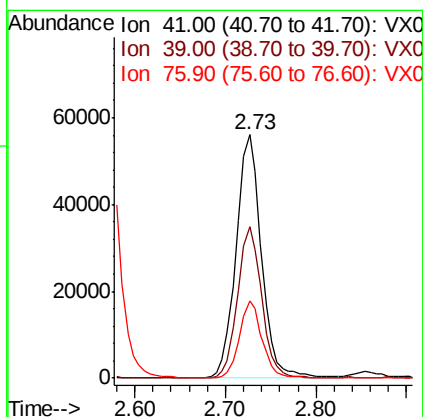
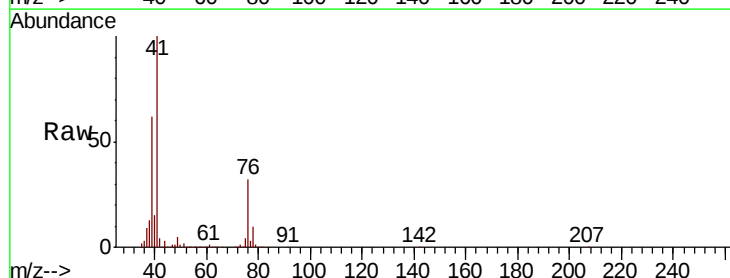
Tgt Ion: 41 Resp: 108290

Ion Ratio Lower Upper

41 100

39 58.7 44.1 66.1

76 28.6 25.0 37.4





#15

Acrylonitrile

Concen: 105.988 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

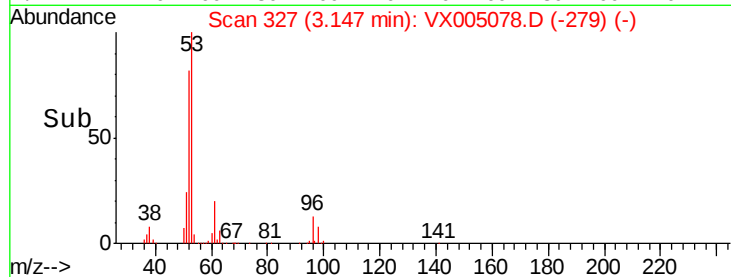
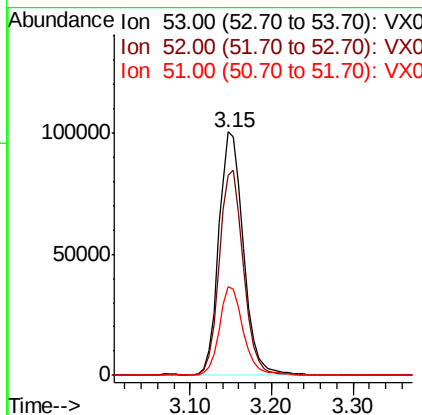
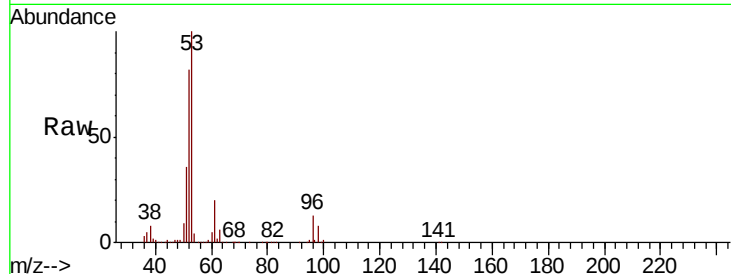
ClientSampleId :

VX1005WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	63.0	94.4
51	35.2	28.6	42.8

Manual Integrations
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MMDadoda
10/8/2018 2:02:40 PM



#16

Acetone

Concen: 96.826 ug/l

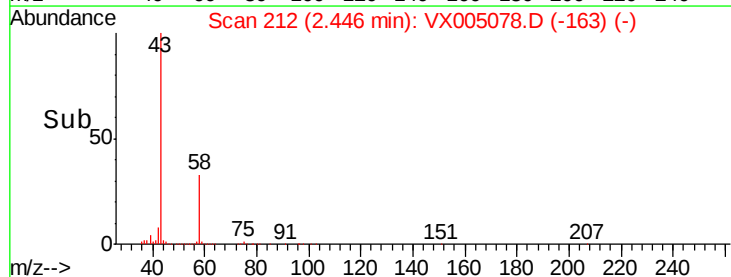
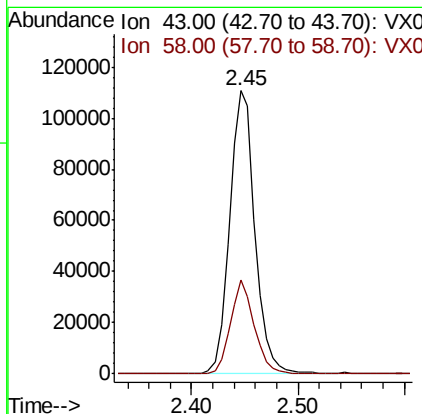
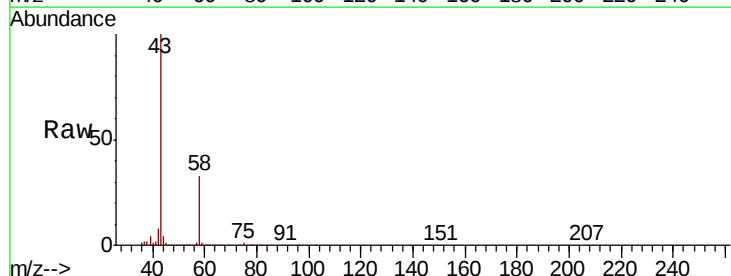
RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.2	21.8	32.6#





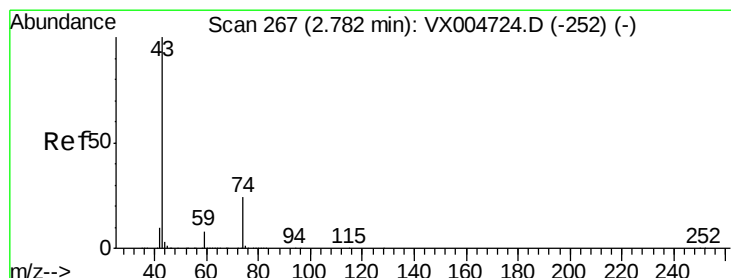
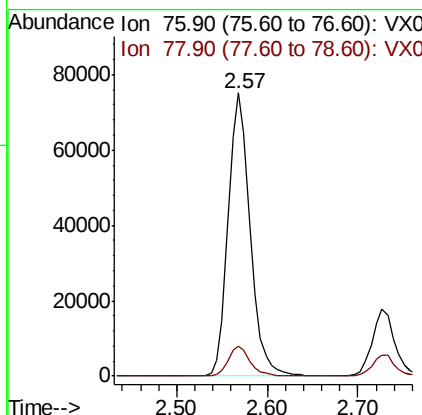
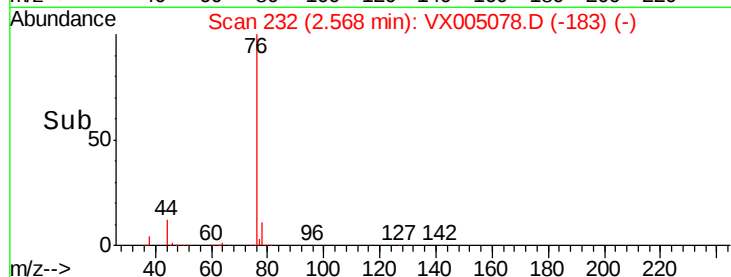
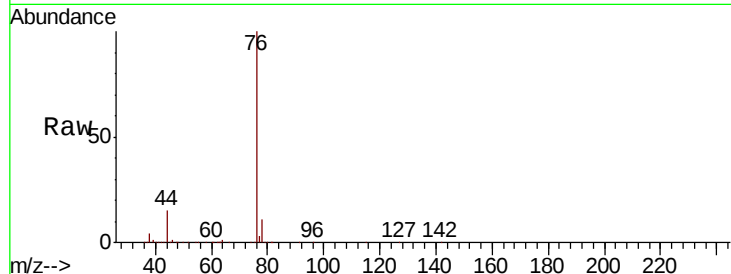
#17
Carbon Disulfide
Concen: 17.232 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion: 76 Resp: 126417
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.6#

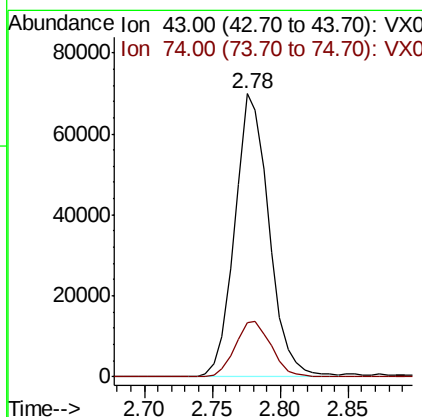
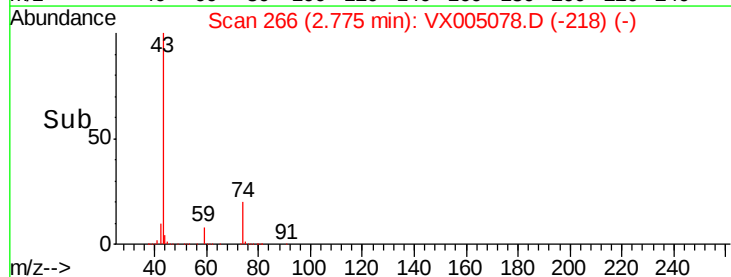
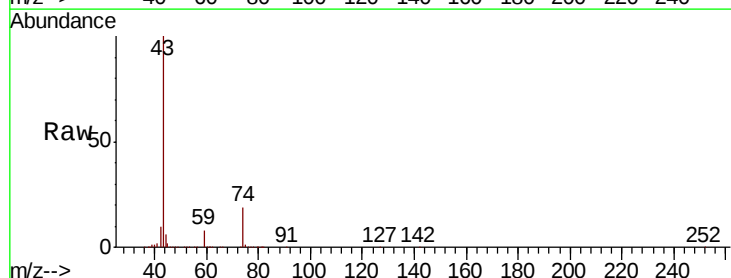
Manual Integrations
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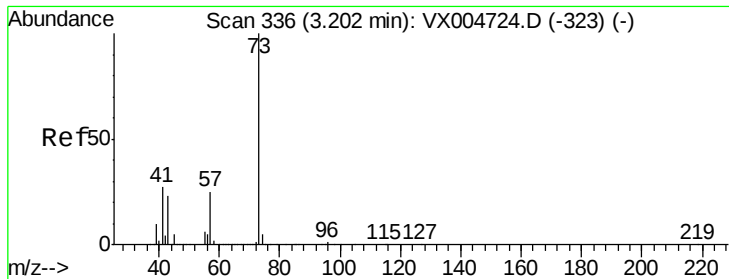
MMDadoda
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#18
Methyl Acetate
Concen: 25.595 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion: 43 Resp: 121857
Ion Ratio Lower Upper
43 100
74 21.1 17.8 26.8





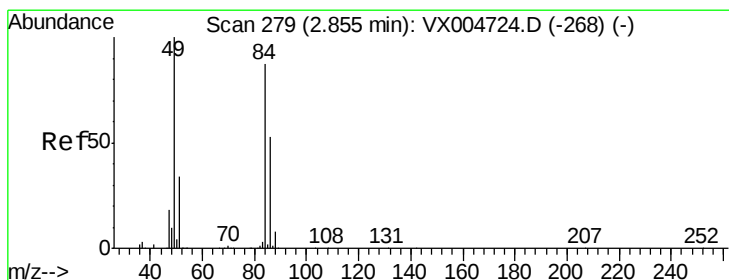
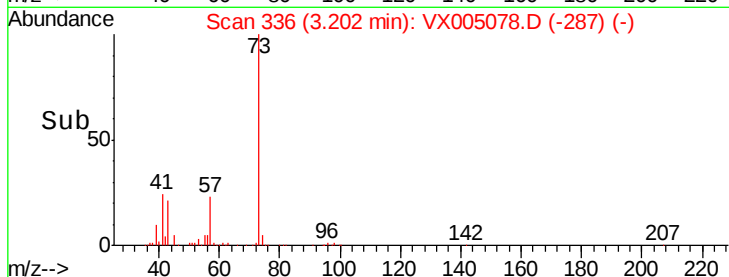
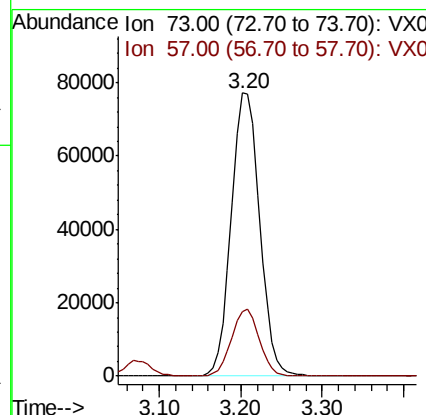
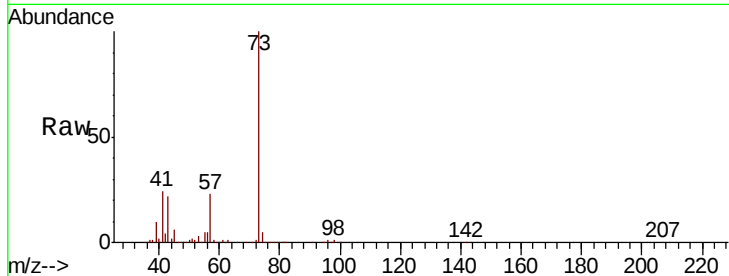
#19
Methvl tert-butvl Ether
Concen: 22.031 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	19.9	29.9

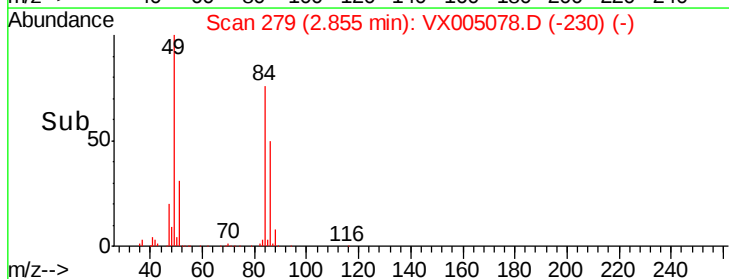
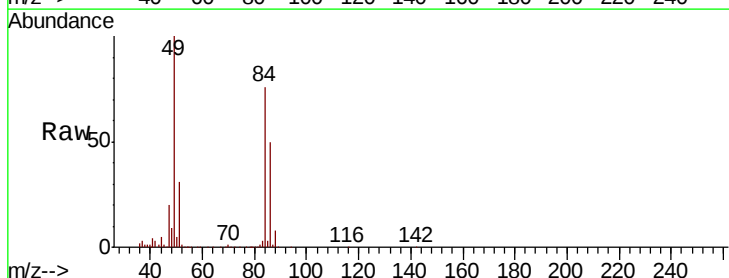
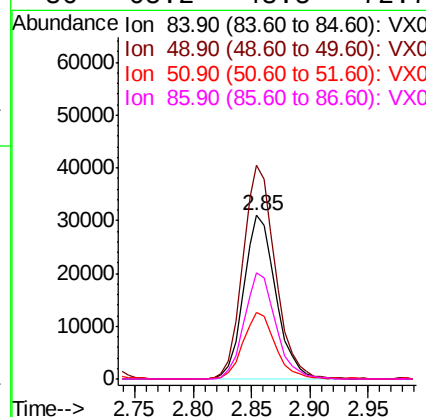
Manual Integrations
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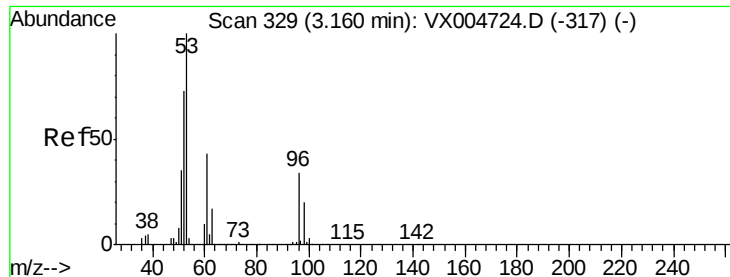
MMDadoda
10/8/2018 2:02:40 PM



#20
Methylene Chloride
Concen: 21.316 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.6	92.3	138.5
51	40.9	31.8	47.6
86	65.2	48.5	72.7





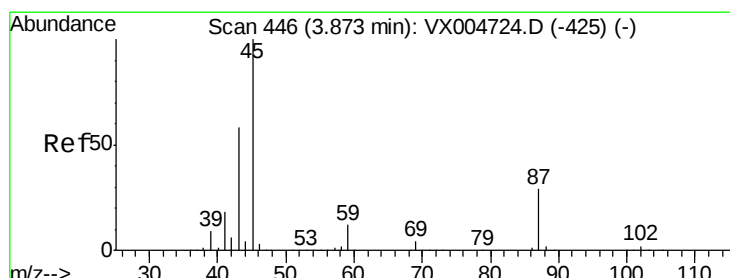
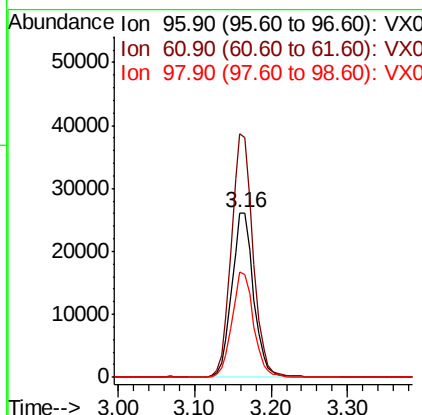
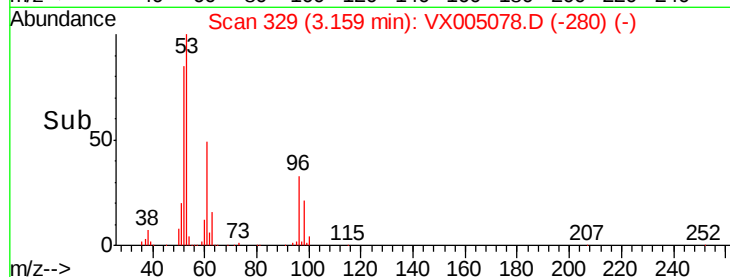
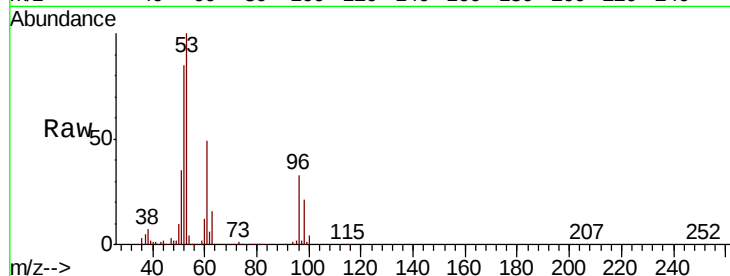
#21
trans-1,2-Dichloroethene
Concen: 19.344 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	101.0	151.6
98	64.0	47.2	70.8

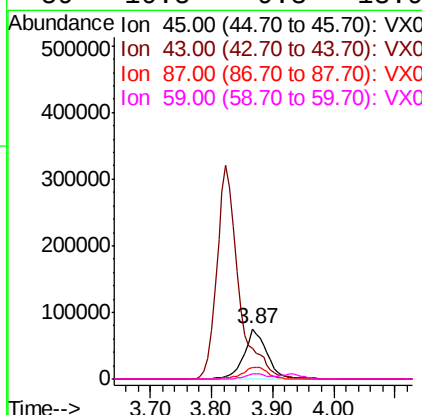
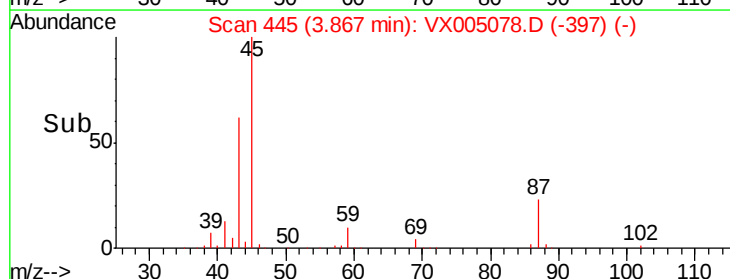
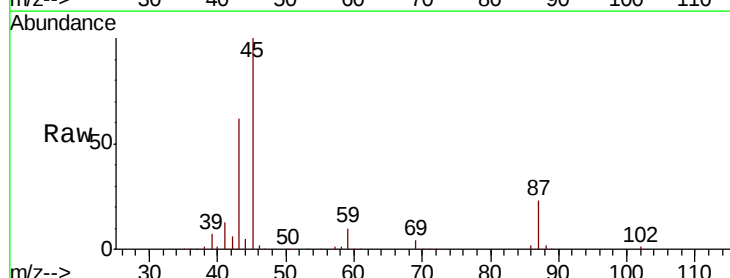
Manual Integrations
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10/8/2018 2:02:40 PM



#22
Diisopropyl ether
Concen: 21.742 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	46.7	70.1
87	23.1	22.9	34.3
59	10.5	9.3	13.9





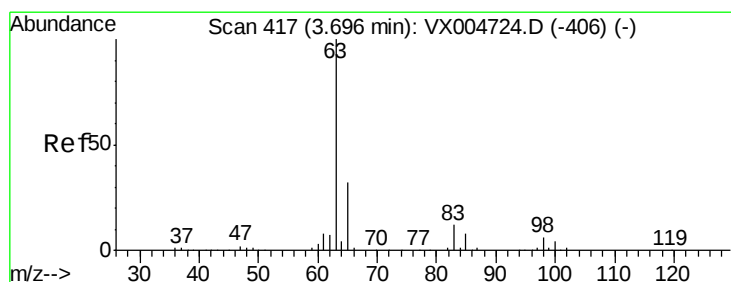
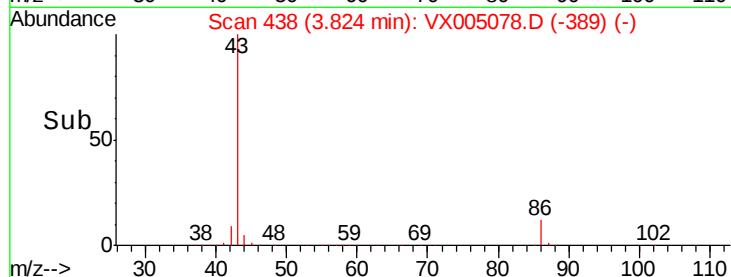
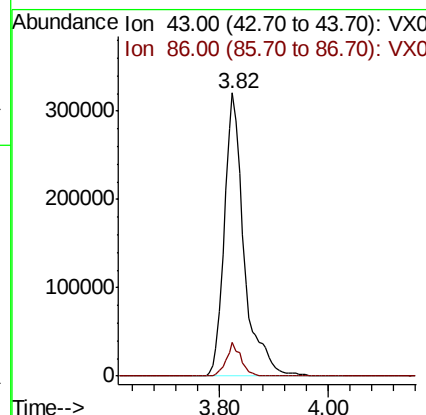
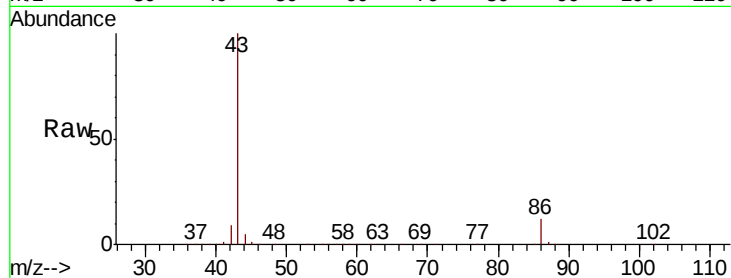
#23
 Vinyl Acetate
 Concen: 98.205 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion	43	Resp	806347
Ion Ratio	100	Lower	Upper
43	100		
86	12.1	8.1	12.1

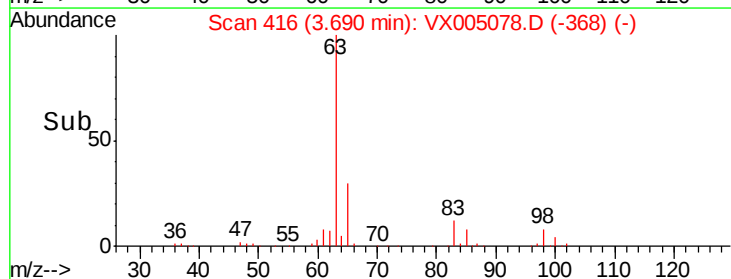
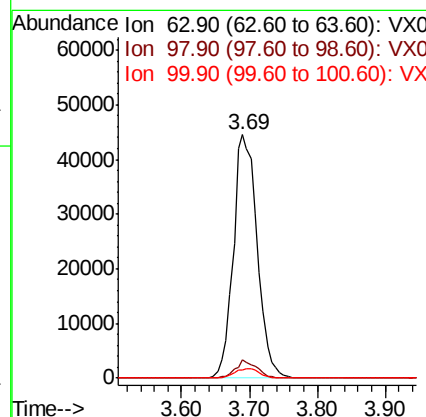
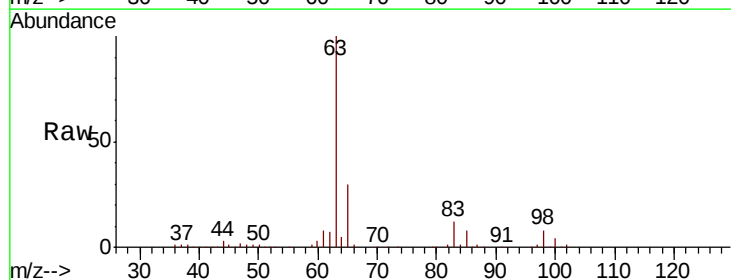
Manual Integrations
 APPROVED

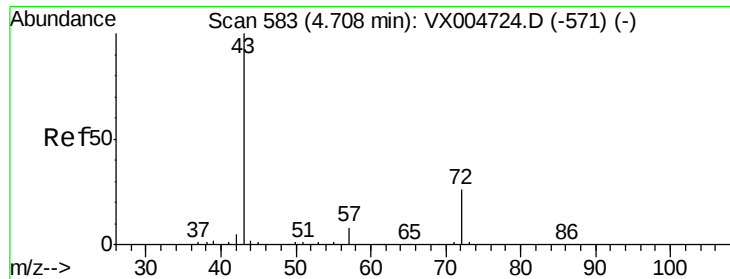
MMDadoda
 10/8/2018 2:02:40 PM



#24
 1,1-Dichloroethane
 Concen: 20.206 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion	63	Resp	108116
Ion Ratio	100	Lower	Upper
63	100		
98	7.5	3.0	9.2
100	3.6	2.0	5.8





#25

2-Butanone

Concen: 100.946 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

Tot Ion: 43 Resp: 279609

Ion Ratio Lower Upper

43 100

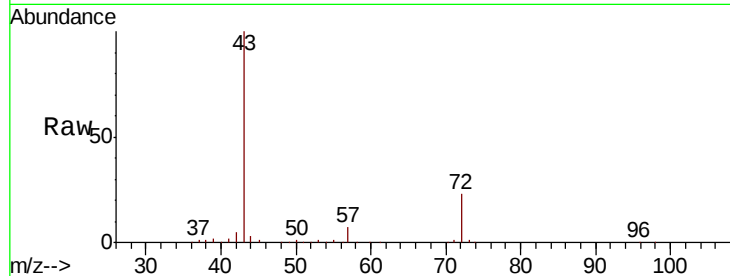
72 22.9 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

10/8/2018 2:02:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

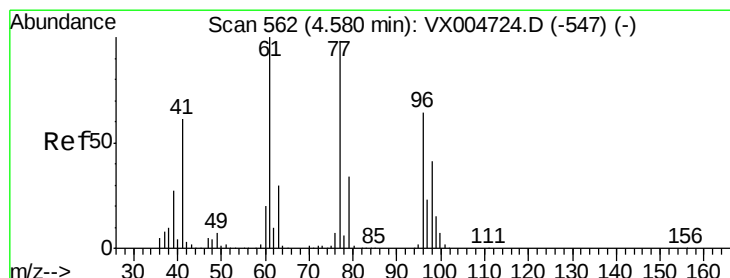
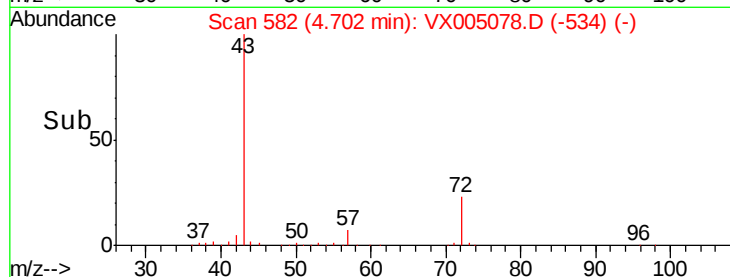
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.128 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX005078.D

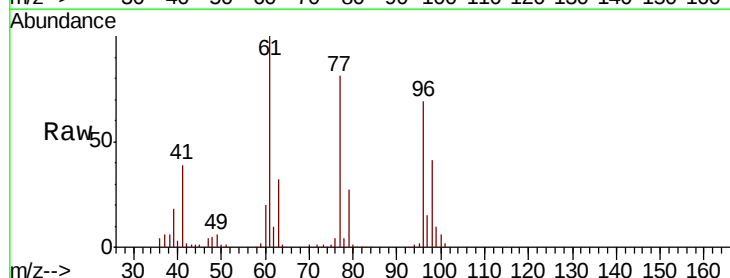
Acq: 05 Oct 2018 20:38

Tgt Ion: 77 Resp: 71272

Ion Ratio Lower Upper

77 100

97 23.9 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

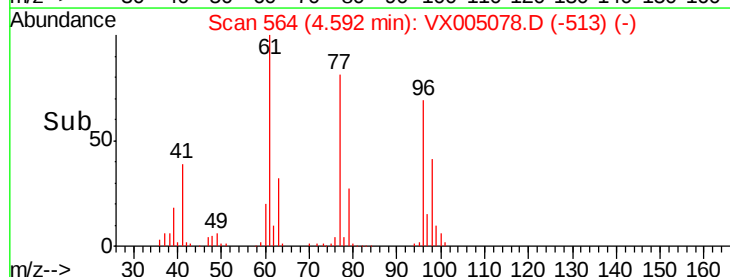
10000

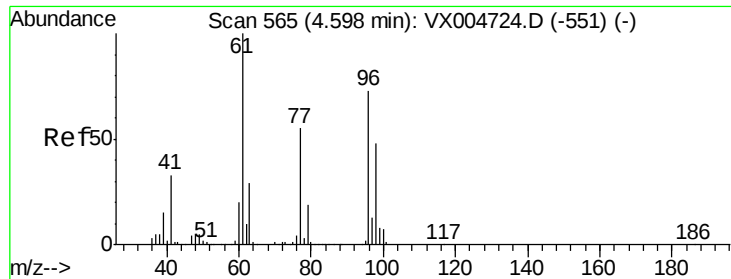
5000

0

4.50 4.60 4.70

Time-->





#27

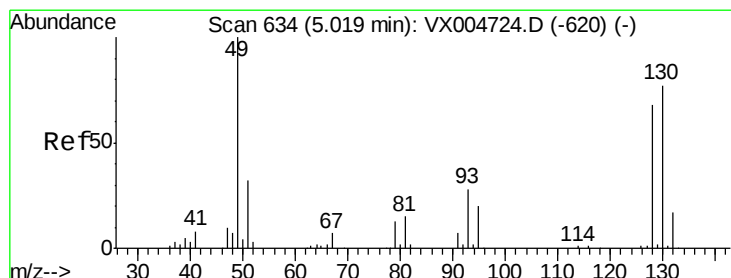
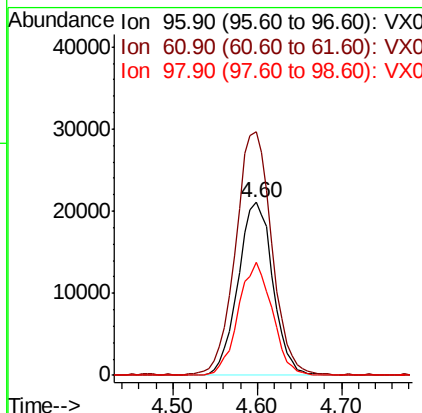
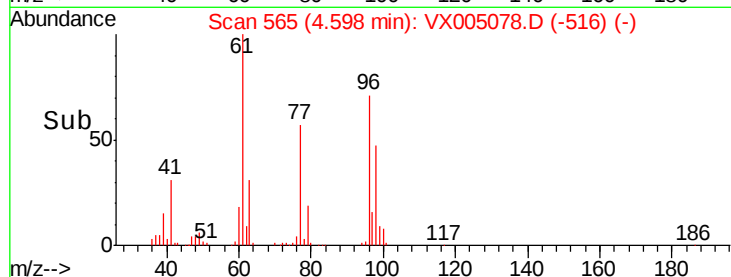
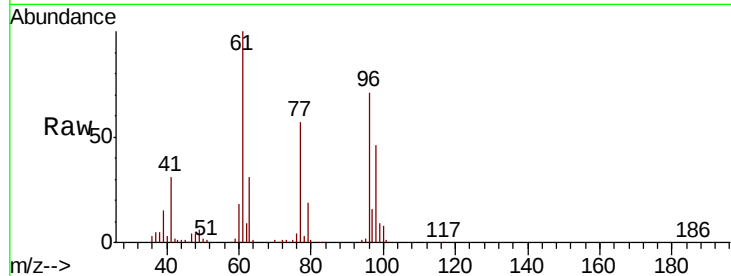
cis-1,2-Dichloroethene
Concen: 19.677 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	285.8
98	63.9	0.0	136.2

Manual Integrations
APPROVED

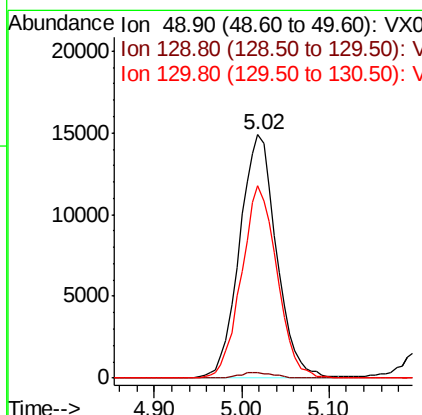
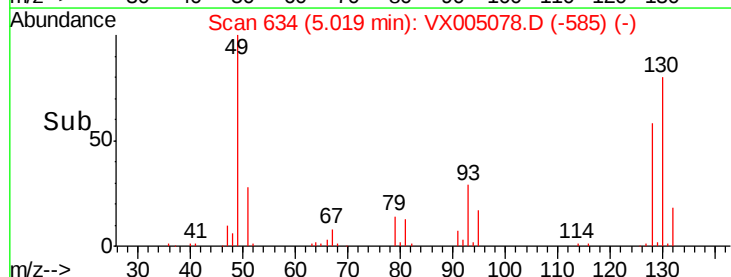
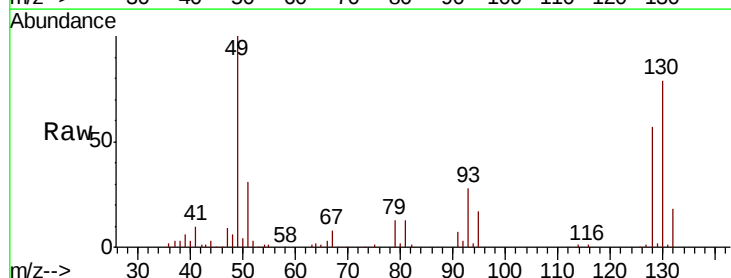
MMDadoda
10/8/2018 2:02:40 PM

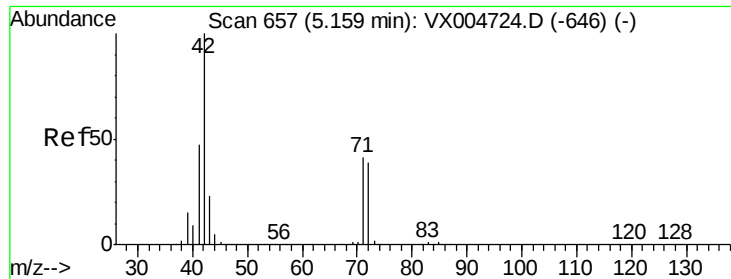


#28

Bromochloromethane
Concen: 17.332 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	76.3	62.0	93.0





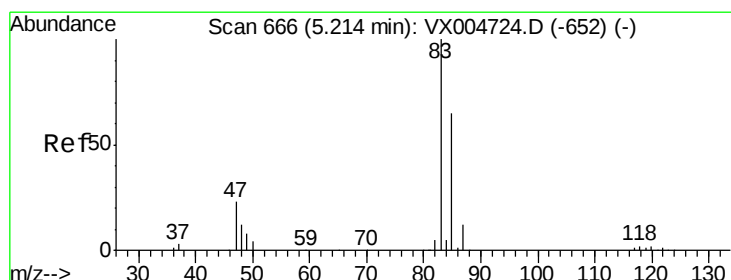
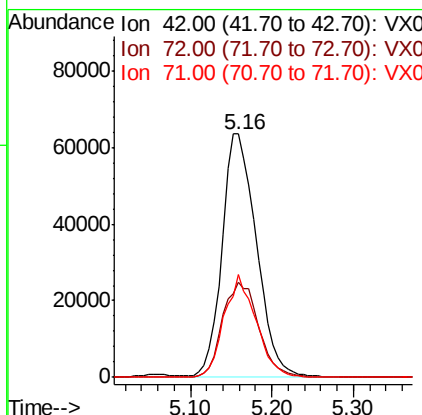
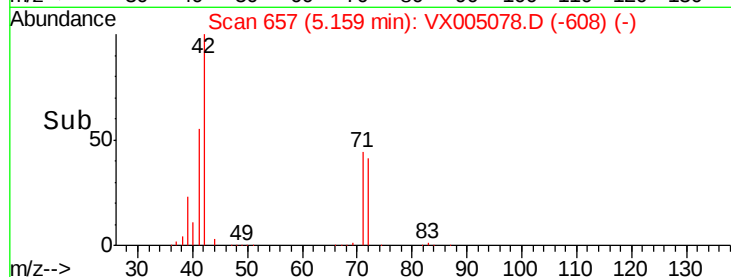
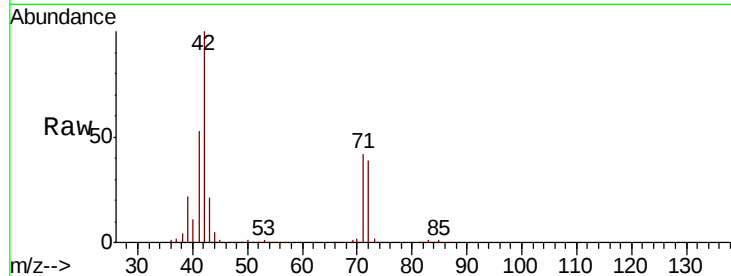
#29
Tetrahydrofuran
Concen: 106.824 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	39.7	32.2	48.4

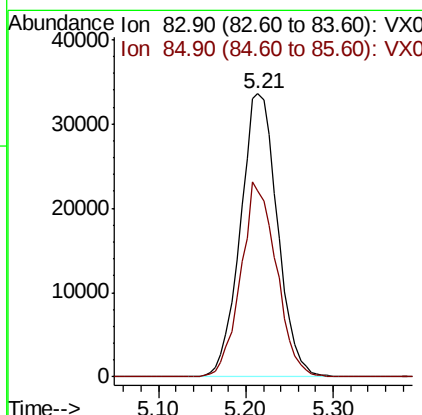
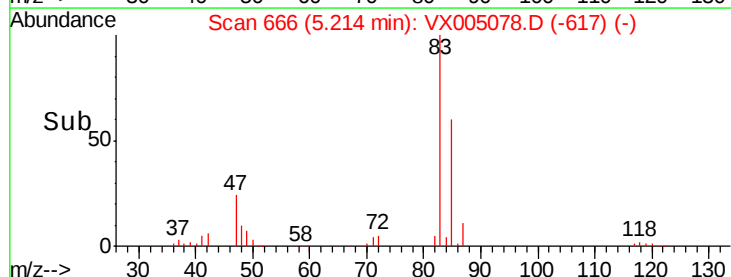
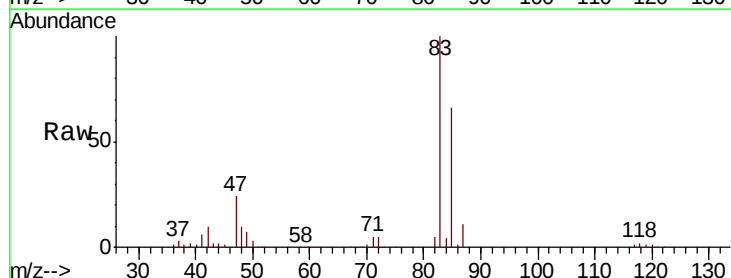
Manual Integrations
APPROVED

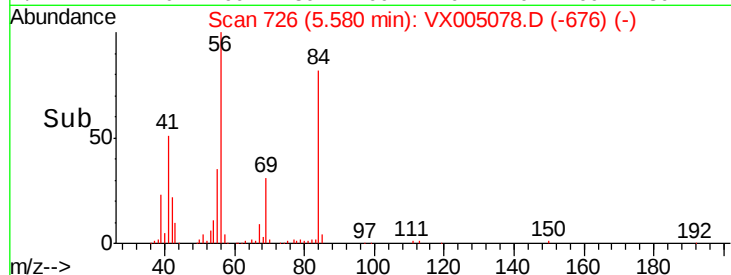
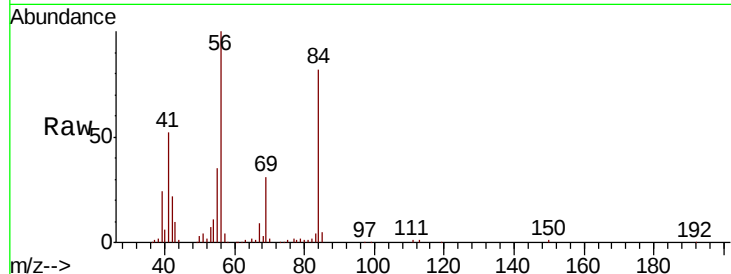
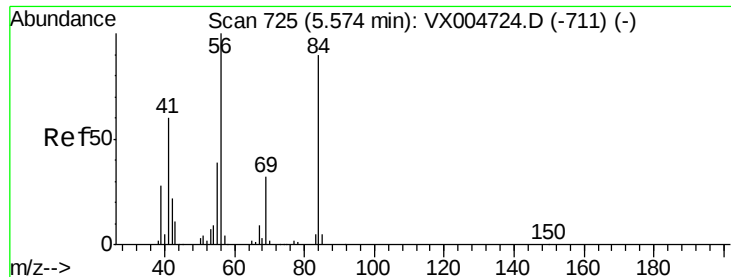
MMDadoda
10/8/2018 2:02:40 PM



#30
Chloroform
Concen: 19.553 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





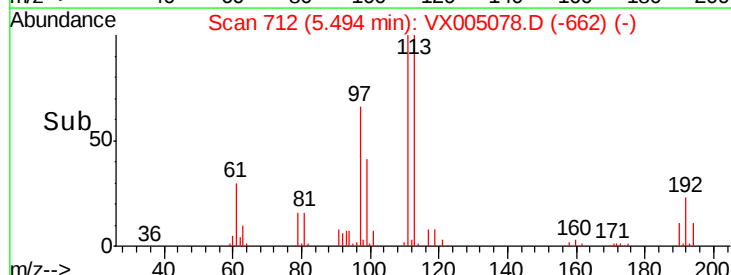
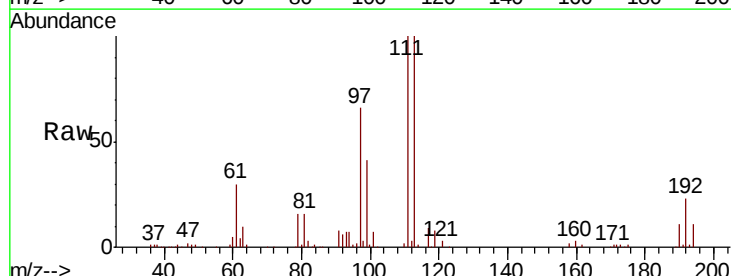
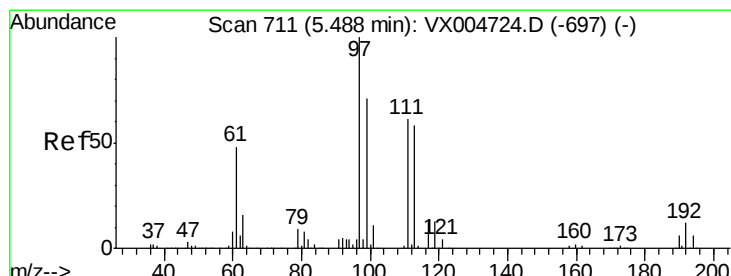
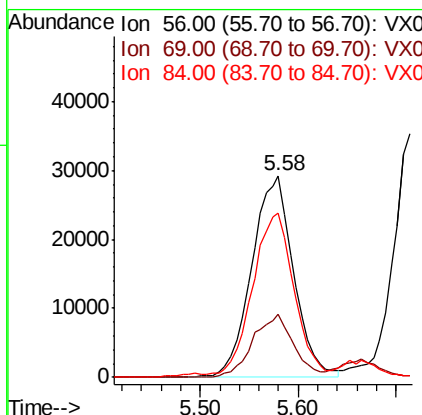
#31
Cvclohexane
Concen: 21.189 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tot Ion:	56	Resp:	86775
Ion Ratio	Lower	Upper	
56	100		
69	31.1	25.9	38.9
84	79.9	71.9	107.9

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

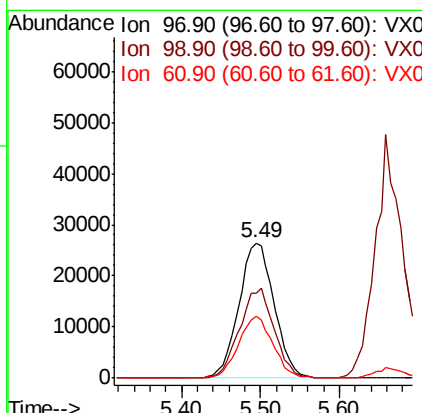
Manual Integrations
APPROVED

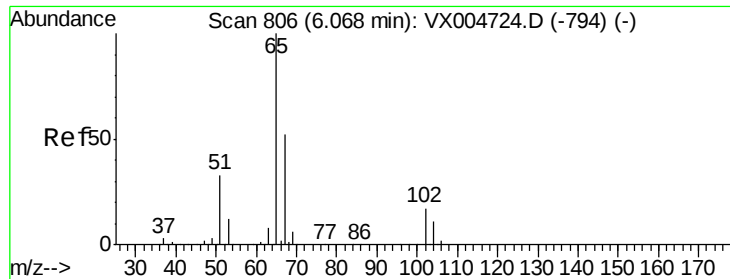
MMDadoda
10/8/2018 2:02:40 PM



#32
1,1,1-Trichloroethane
Concen: 19.877 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion:	97	Resp:	82089
Ion Ratio	Lower	Upper	
97	100		
99	65.2	54.6	82.0
61	44.9	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 48.941 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

VX1005WBS01

Tot Ion: 65 Resp: 157525

Ion Ratio Lower Upper

65 100

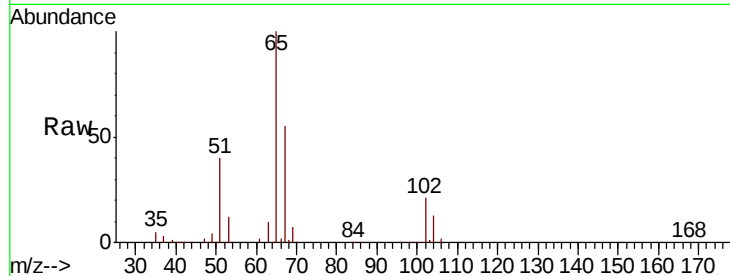
67 53.9 0.0 107.4

Manual Integrations

APPROVED

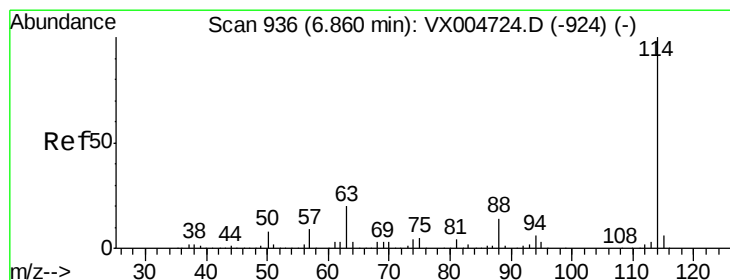
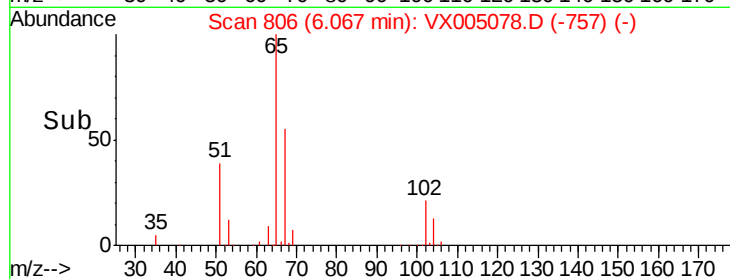
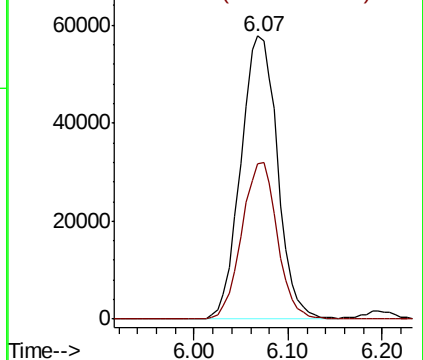
MMDadoda

10/8/2018 2:02:40 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

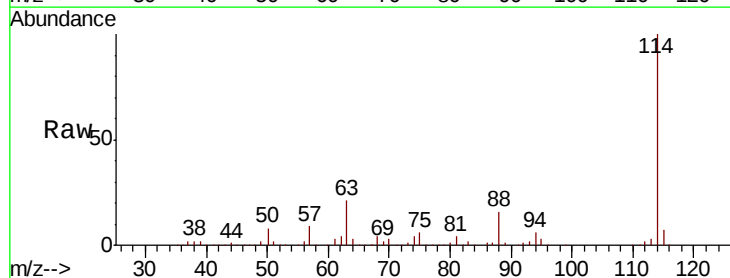
Tgt Ion: 114 Resp: 330278

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.8

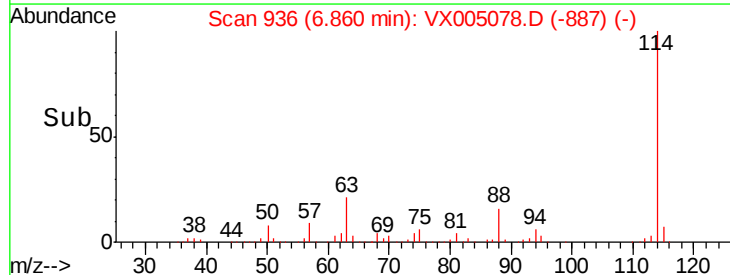
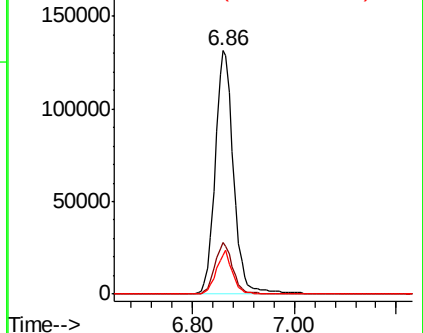
88 16.1 0.0 27.0

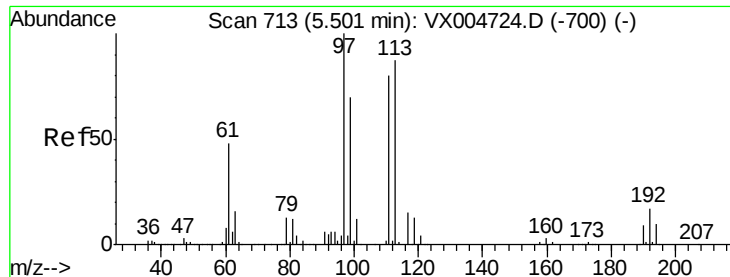


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





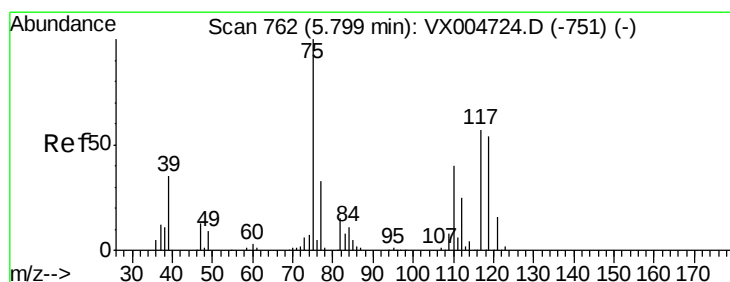
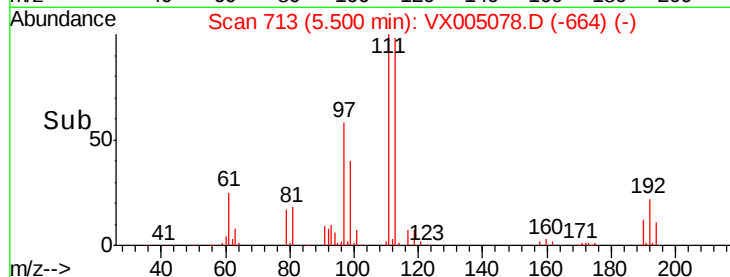
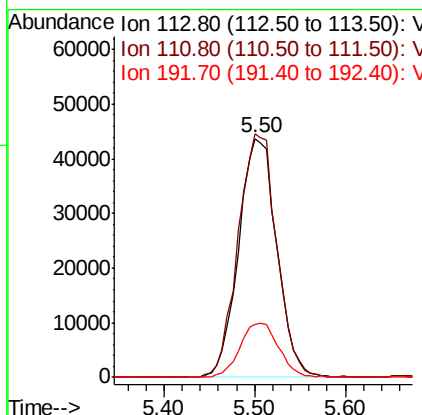
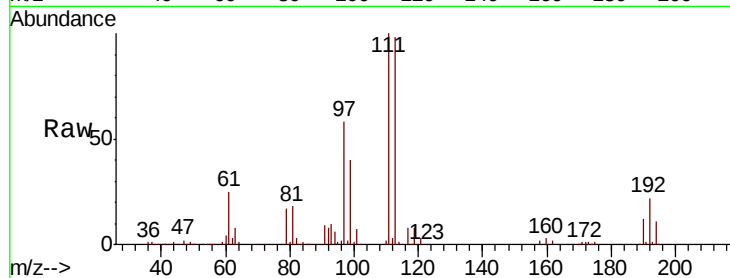
#35
 Dibromofluoromethane
 Concen: 45.623 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	77.0	115.4
192	23.0	17.0	25.6

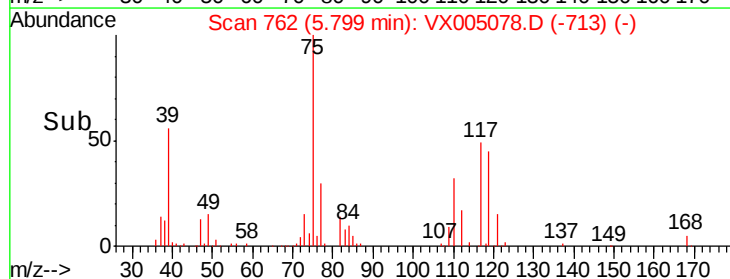
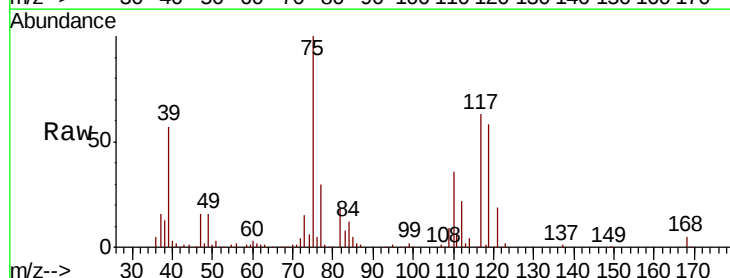
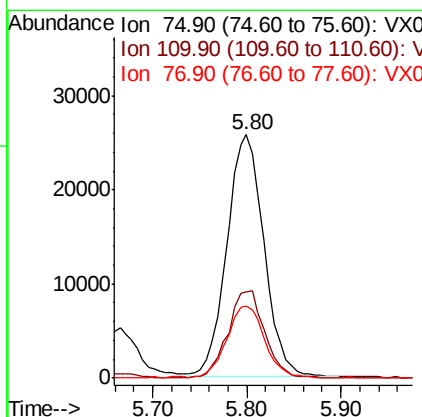
Manual Integrations
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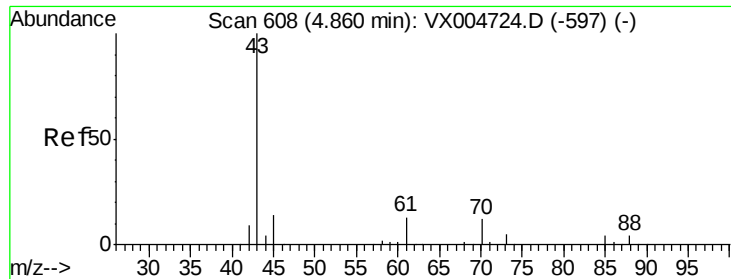
MMDadoda
 10/8/2018 2:02:40 PM



#36
 1,1-Dichloropropene
 Concen: 18.378 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	20.0	59.9
77	30.1	27.1	40.7





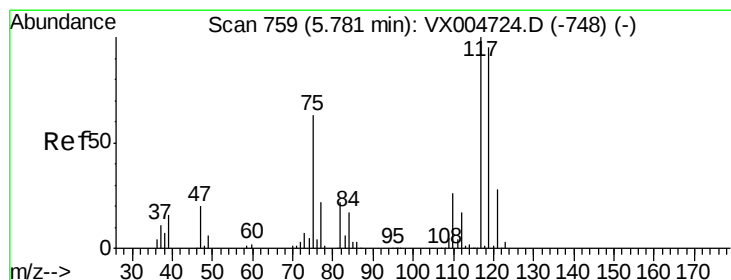
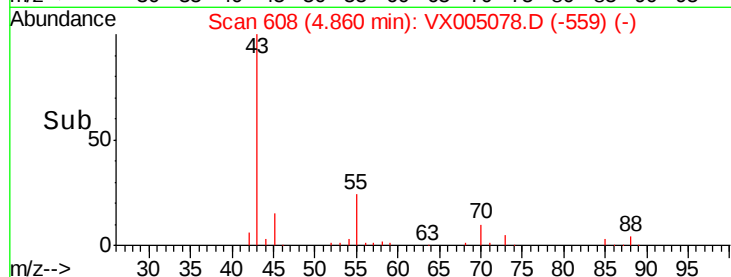
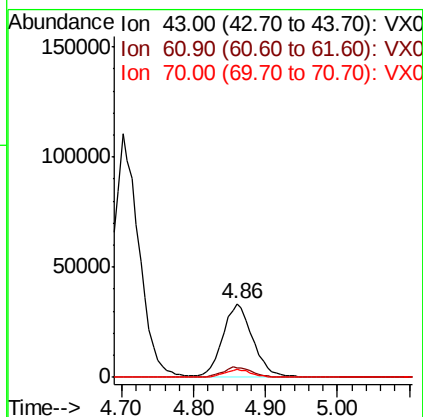
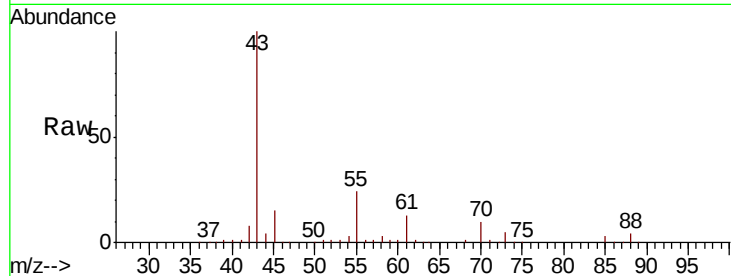
#37
Ethyl Acetate
Concen: 19.076 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.4	15.6
70	10.2	8.7	13.1

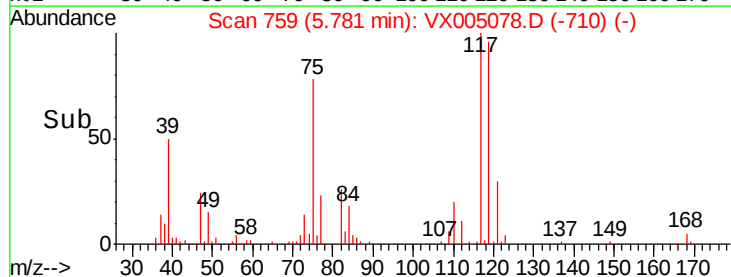
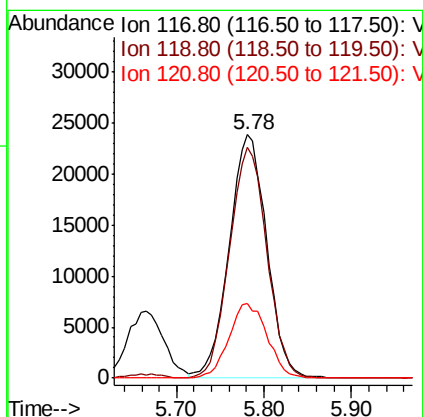
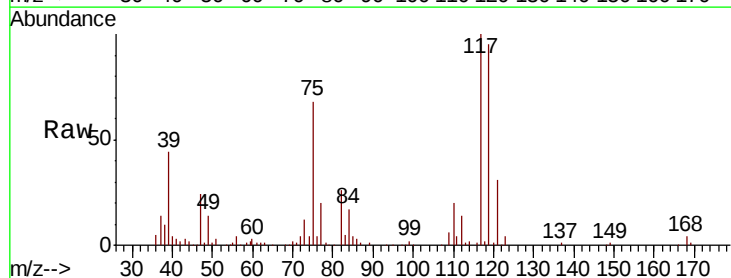
Manual Integrations
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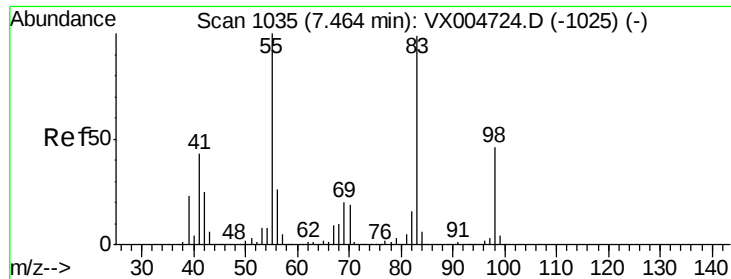
MMDadoda
10/8/2018 2:02:40 PM



#38
Carbon Tetrachloride
Concen: 17.738 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.2	112.8
121	30.5	22.5	33.7





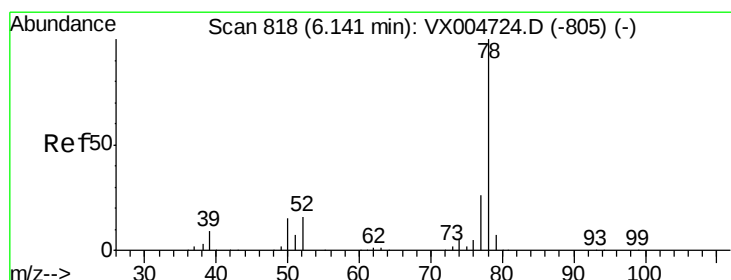
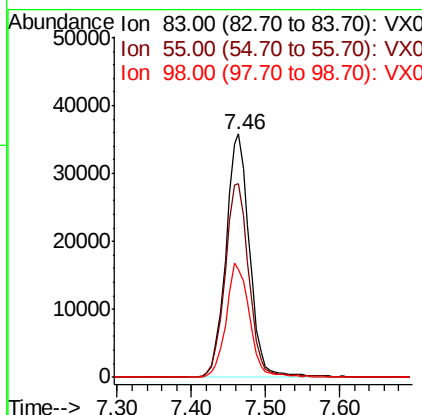
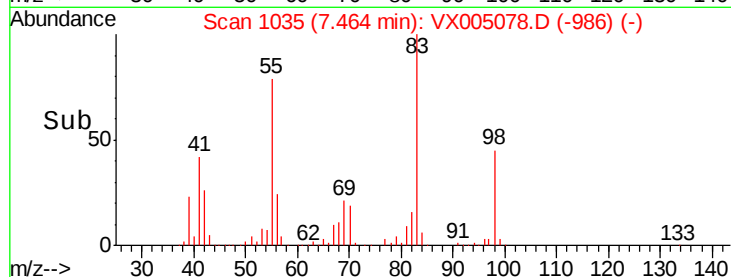
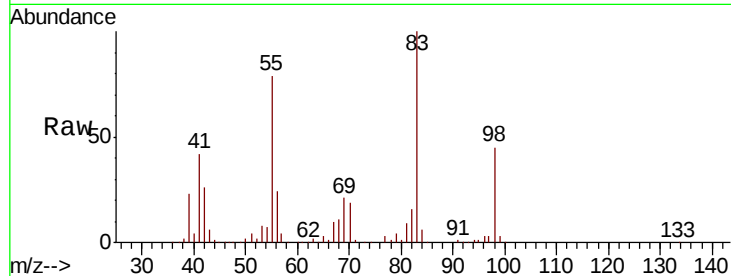
#39
Methvlcvclohexane
Concen: 20.374 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	83	Resp	79454
Ion Ratio	100	Lower	Upper
83	100		
55	79.3	81.1	121.7#
98	44.5	37.3	55.9

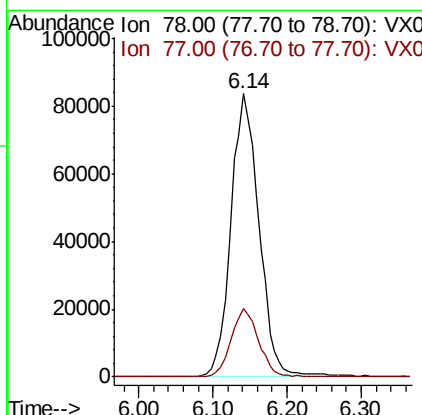
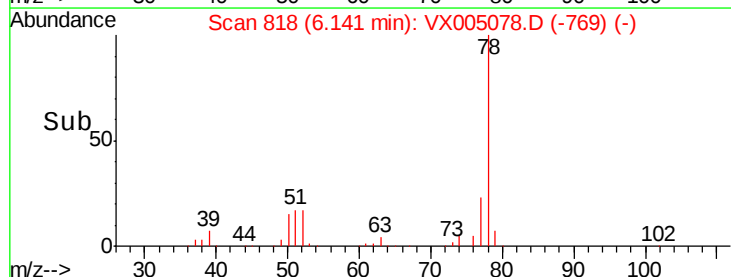
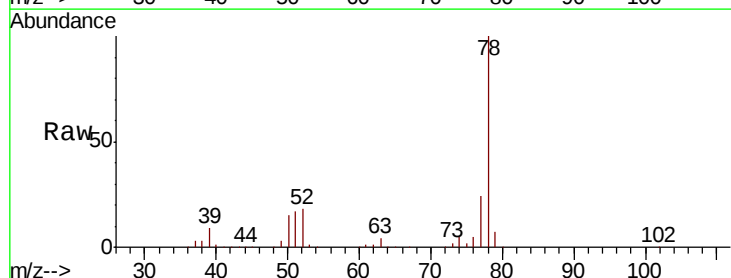
Manual Integrations
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10/8/2018 2:02:40 PM



#40
Benzene
Concen: 18.528 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	78	Resp	221530
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	21.0	31.4





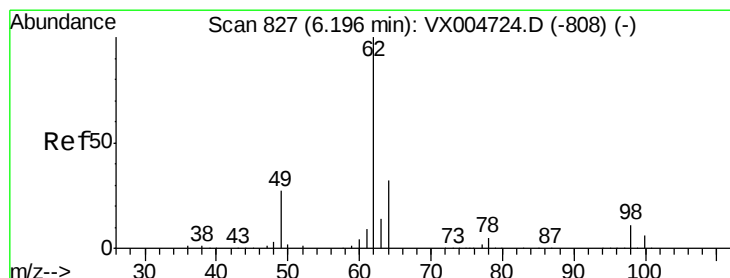
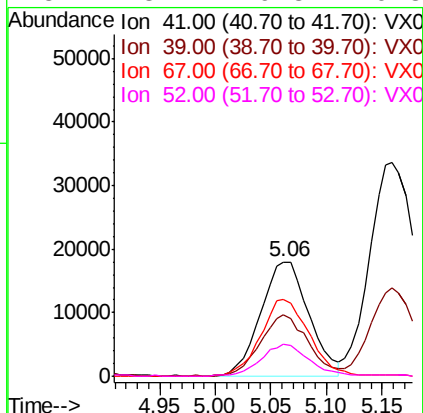
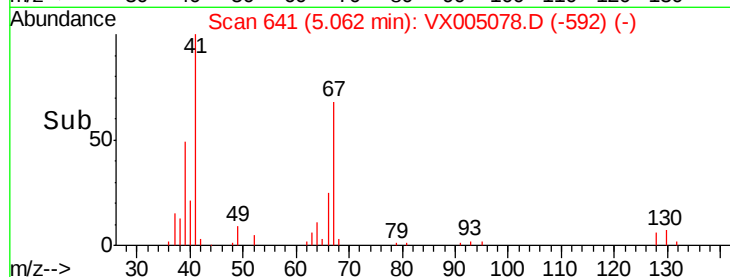
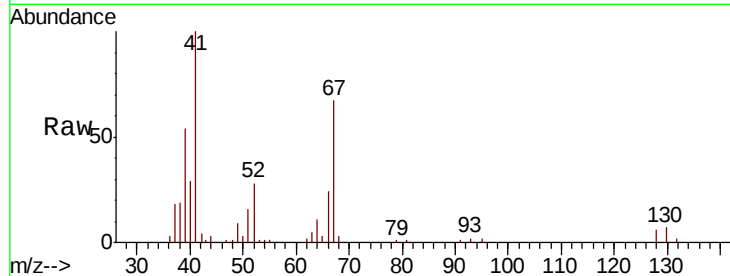
#41
Methacrylonitrile
Concen: 19.129 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.5	63.7	
67	69.0	53.0	79.6	
52	28.1	19.8	29.8	

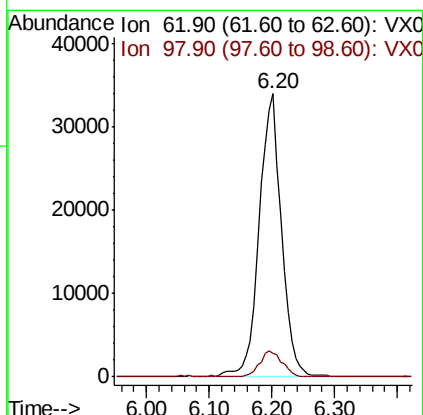
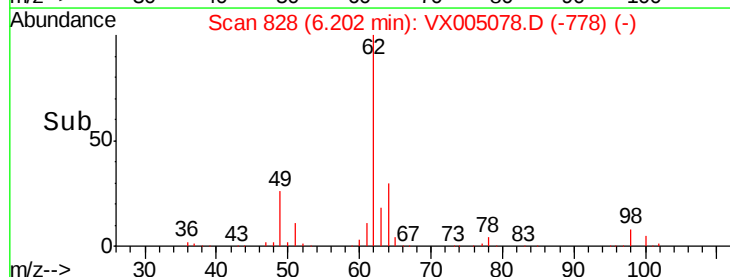
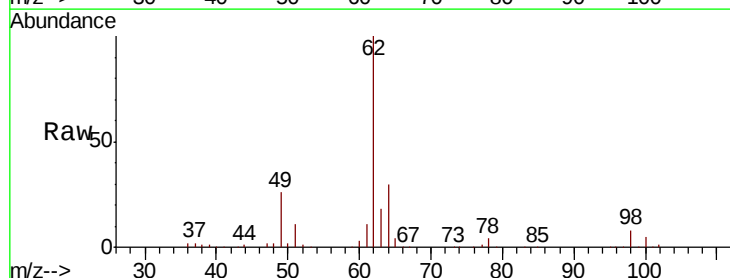
Manual Integrations
APPROVED

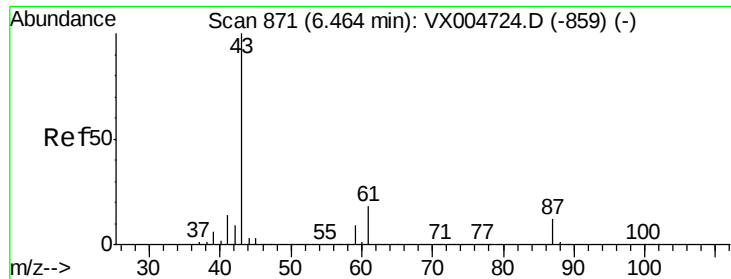
MMDadoda
10/8/2018 2:02:40 PM



#42
1,2-Dichloroethane
Concen: 19.801 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	20.2	





#43

Isopropyl Acetate

Concen: 19.634 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

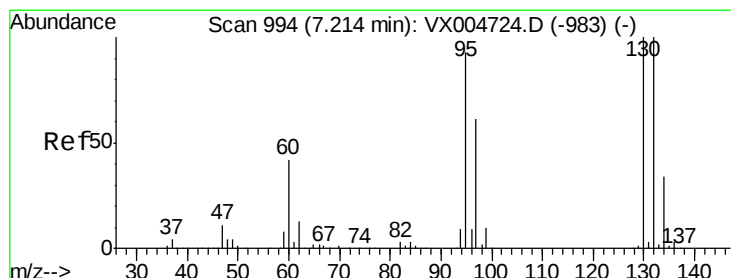
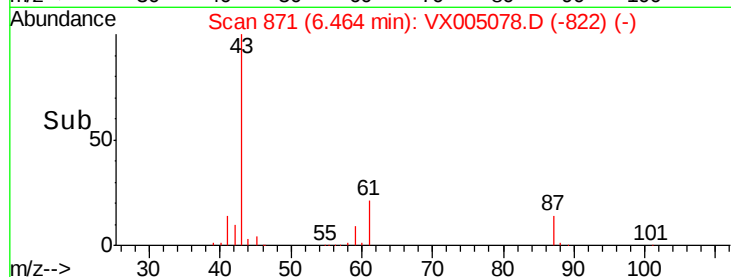
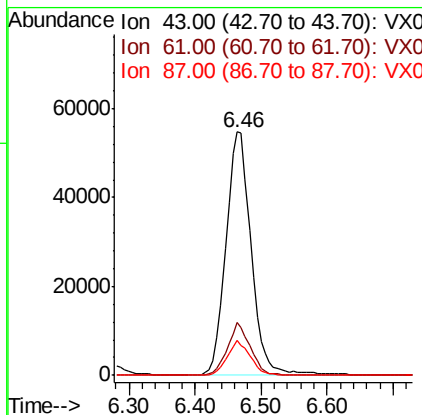
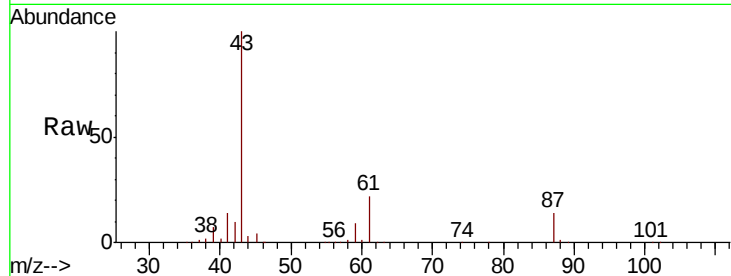
ClientSampleId :

VX1005WBS01

Tot Ion:	43	Resp:	143660
Ion	Ratio	Lower	Upper
43	100		
61	20.0	14.2	21.4
87	13.1	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:40 PM



#44

Trichloroethene

Concen: 19.551 ug/l

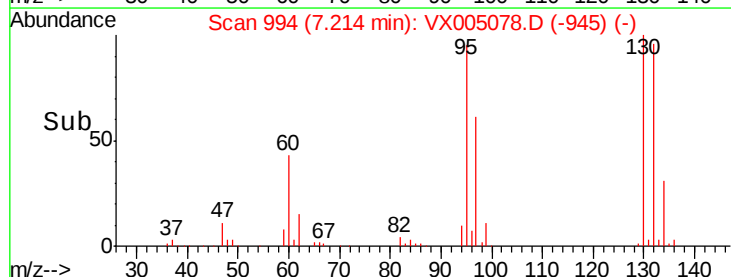
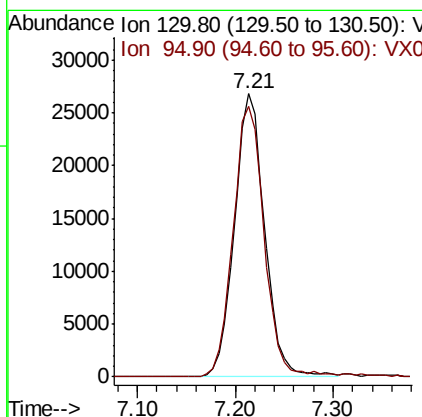
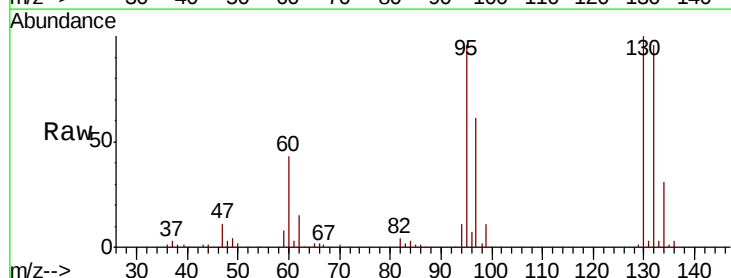
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Tgt Ion:	130	Resp:	57466
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	186.8





#45

1,2-Dichloropropane

Concen: 20.240 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

VX1005WBS01

Tot Ion: 63 Resp: 59346

Ion Ratio Lower Upper

63 100

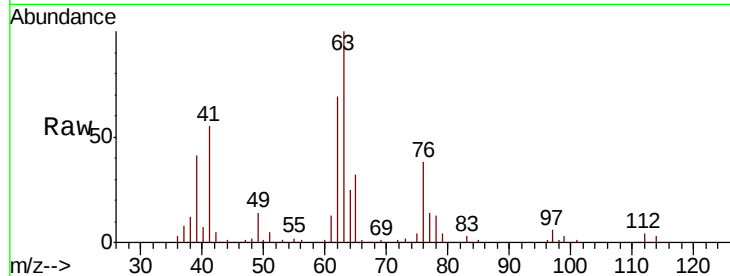
65 32.1 23.9 35.9

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

30000

25000

20000

15000

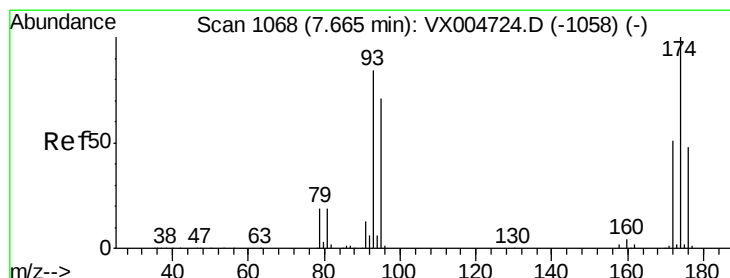
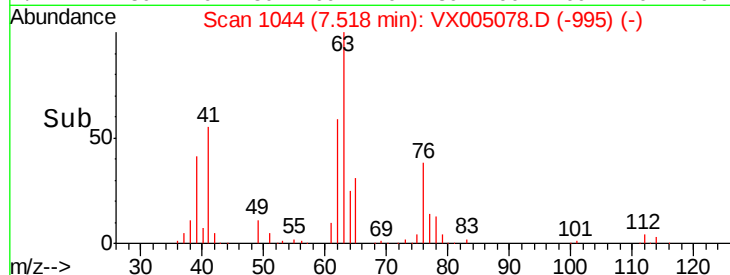
10000

5000

0

7.40 7.50 7.60 7.70

Time-->



#46

Dibromomethane

Concen: 19.917 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

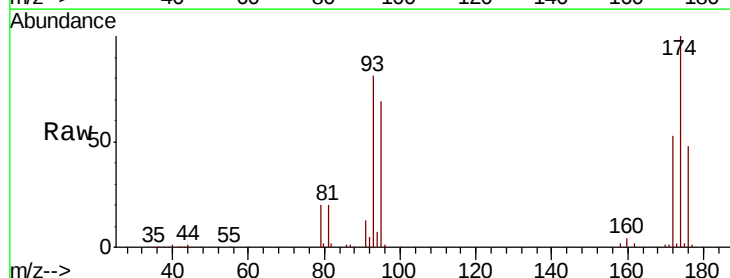
Tgt Ion: 93 Resp: 36701

Ion Ratio Lower Upper

93 100

95 83.2 66.7 100.1

174 115.6 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

30000

25000

20000

15000

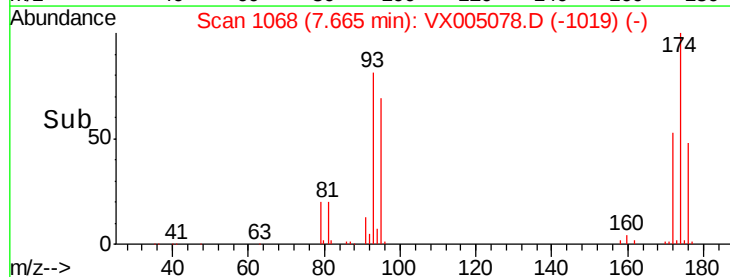
10000

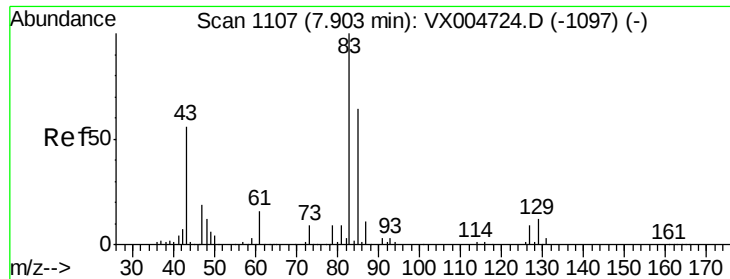
5000

0

7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 20.181 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

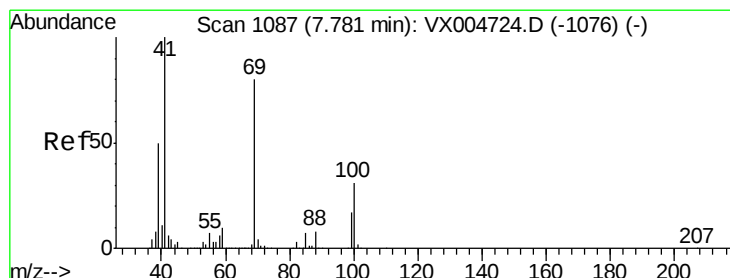
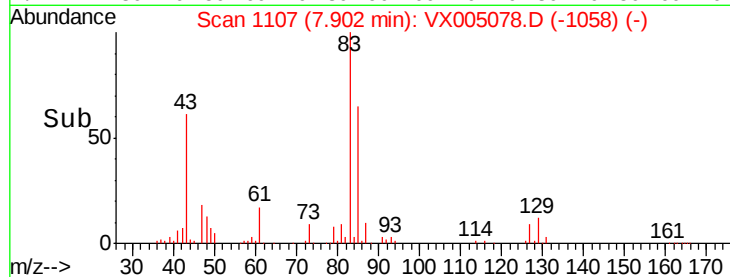
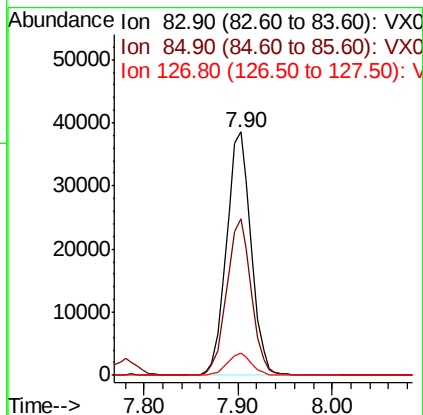
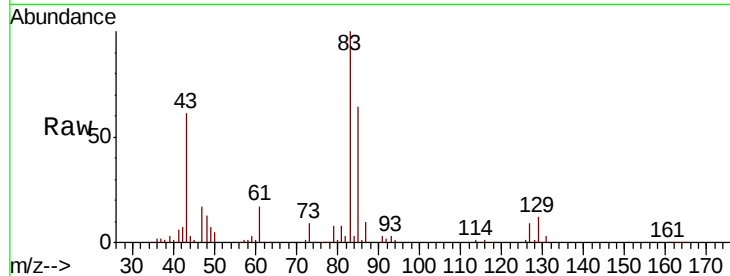
ClientSampleId :

VX1005WBS01

Tot Ion:	83	Resp:	69626
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.2	76.8
127	8.9	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.811 ug/l

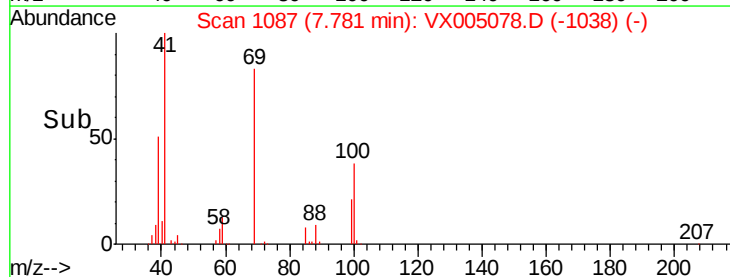
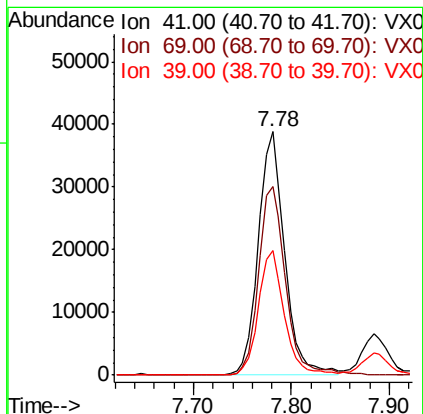
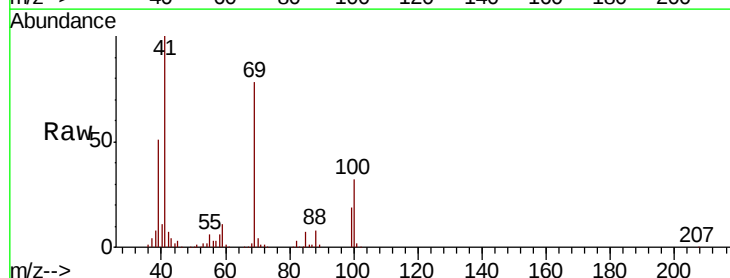
RT: 7.78 min Scan# 1087

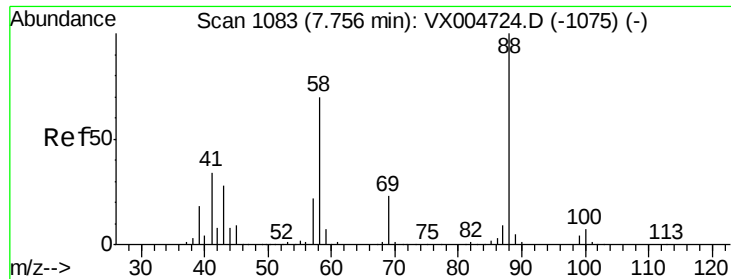
Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Tgt Ion:	41	Resp:	72437
Ion	Ratio	Lower	Upper
41	100		
69	79.8	63.8	95.6
39	49.9	40.7	61.1





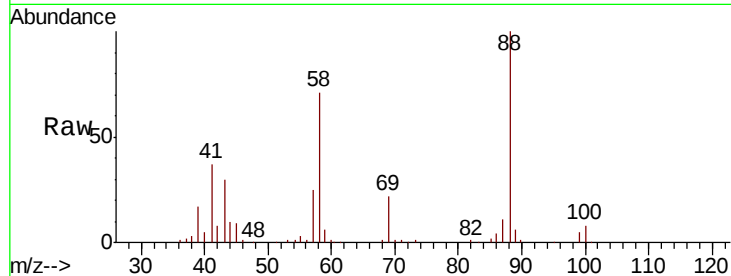
#49
1,4-Dioxane
Concen: 396.348 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	25.1	37.7
58	72.2	56.2	84.2

Manual Integrations
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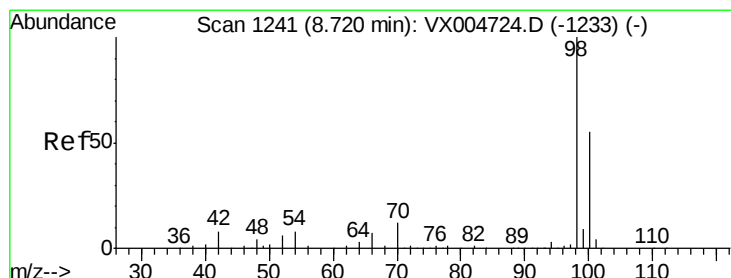
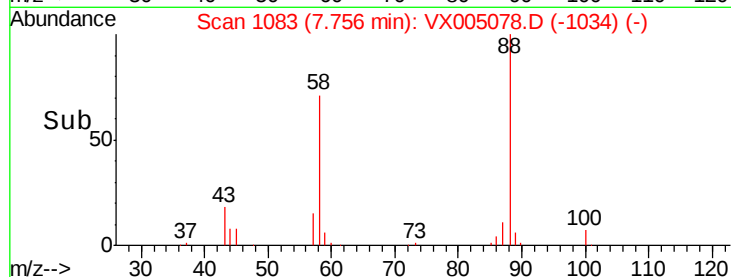
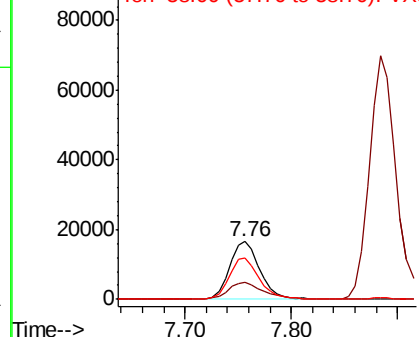


Abundance

Ion 88.00 (87.70 to 88.70): VX0

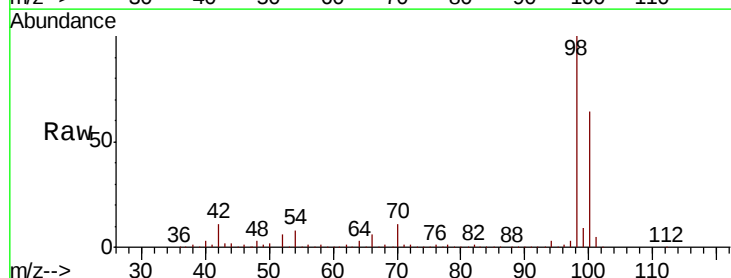
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.559 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

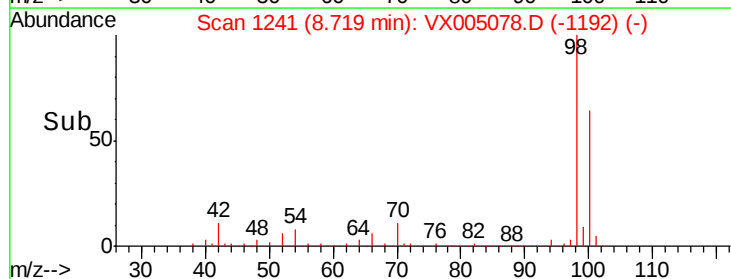
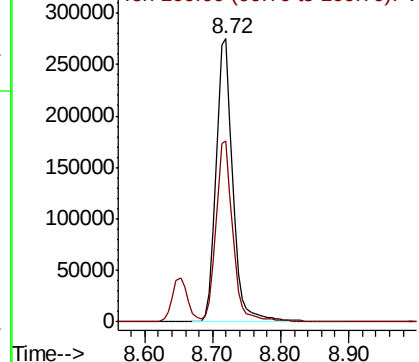
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9

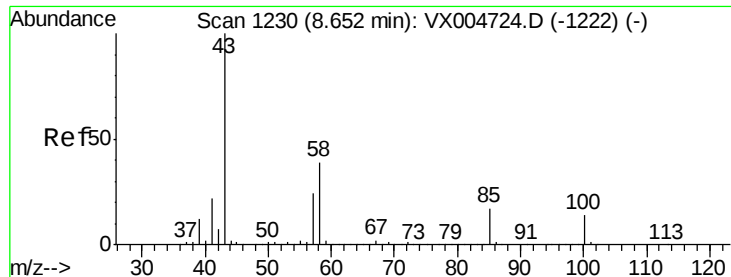


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





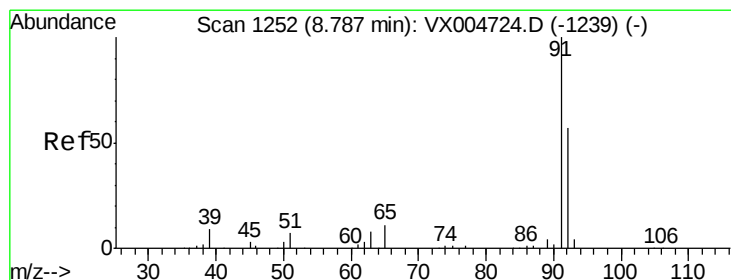
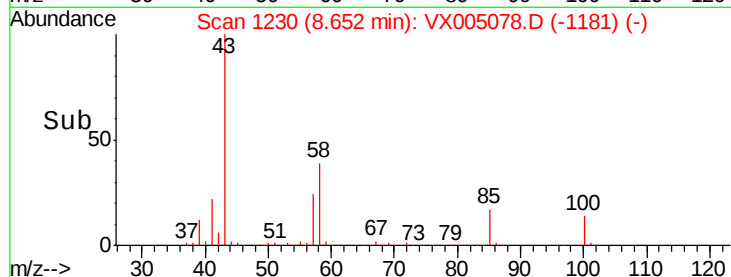
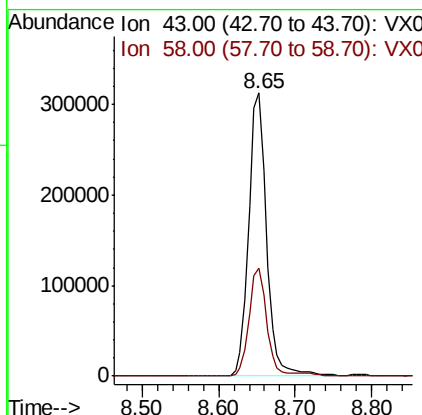
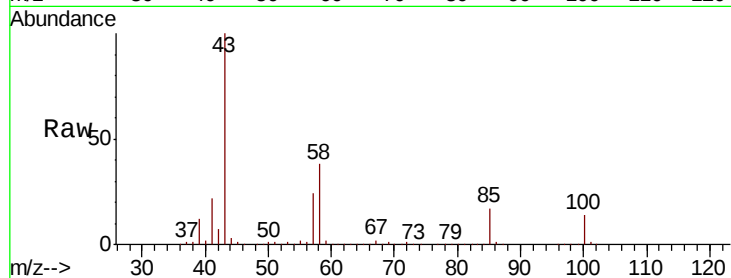
#51
4-Methyl-2-Pentanone
Concen: 110.544 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.5	45.7

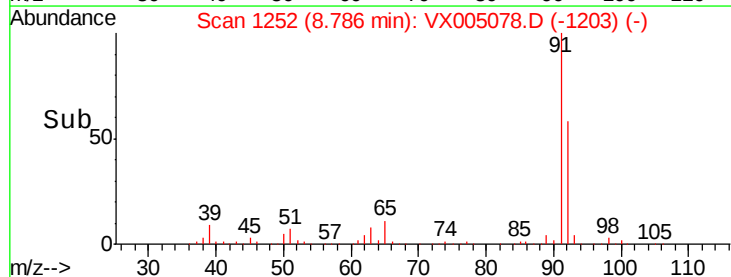
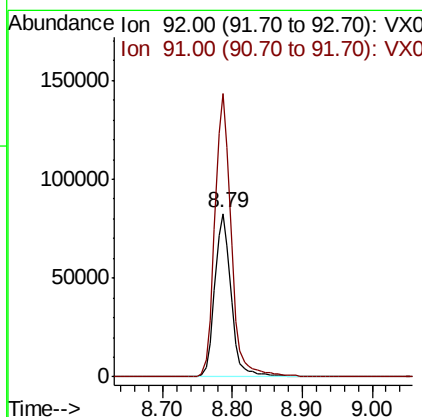
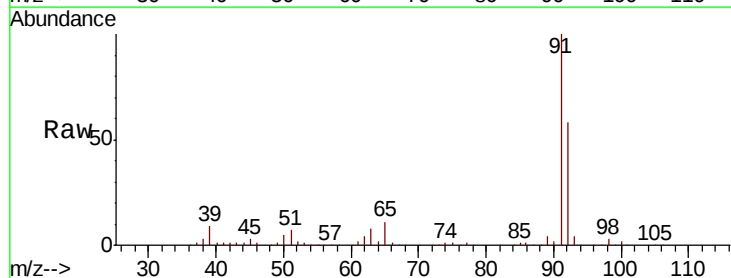
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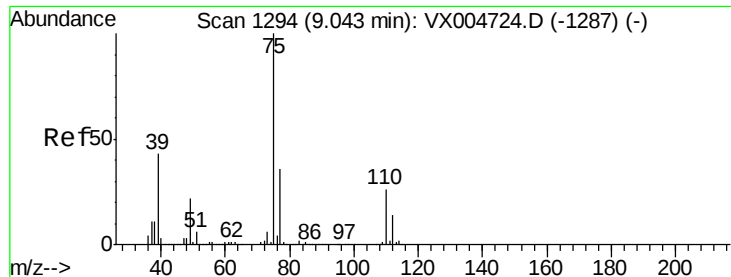
MMDadoda
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#52
Toluene
Concen: 20.564 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.3	136.7	205.1





#53

t-1,3-Dichloropropene

Concen: 19.300 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

Tot Ion: 75 Resp: 75245

Ion Ratio Lower Upper

75 100

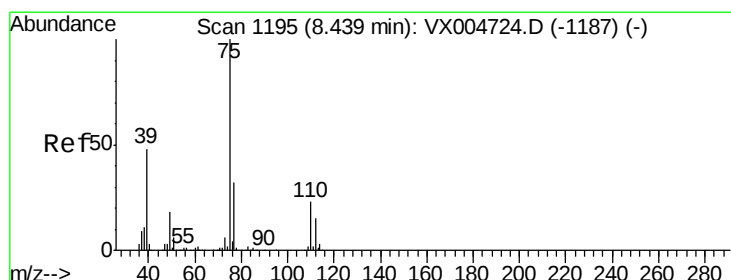
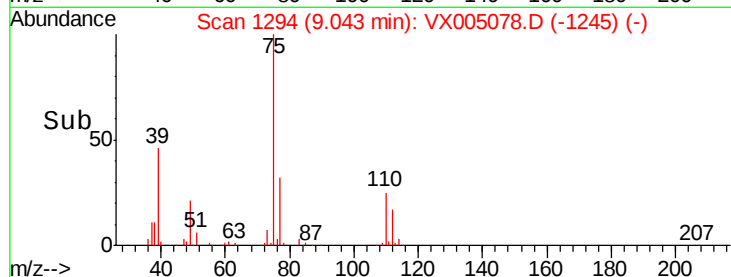
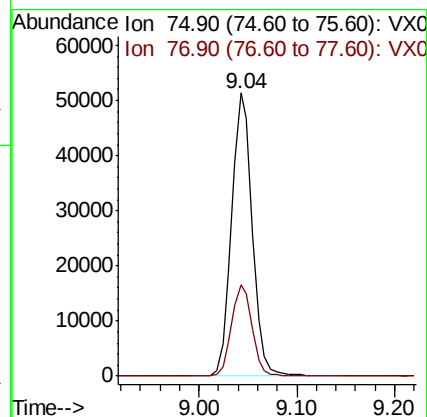
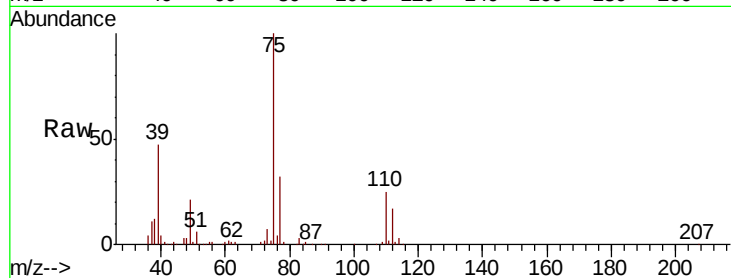
77 32.4 28.9 43.3

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10/8/2018 2:02:40 PM



#54

cis-1,3-Dichloropropene

Concen: 20.574 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

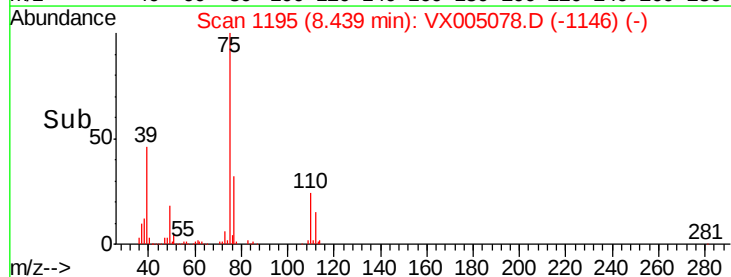
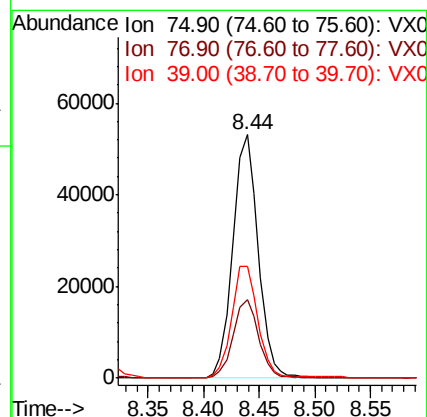
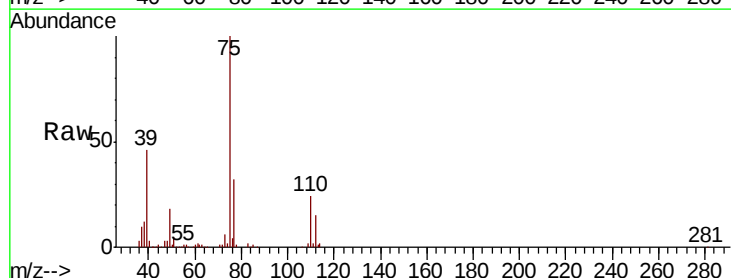
Tgt Ion: 75 Resp: 84013

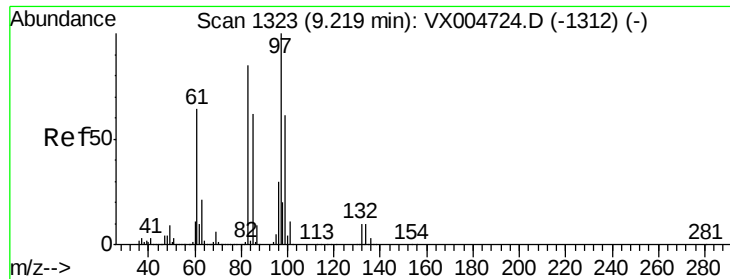
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 45.6 38.3 57.5





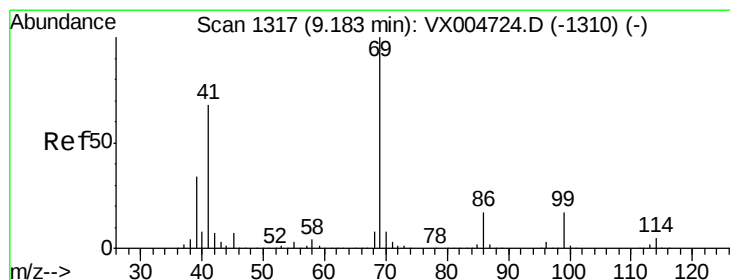
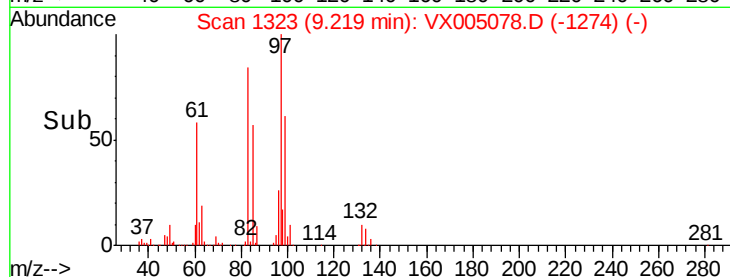
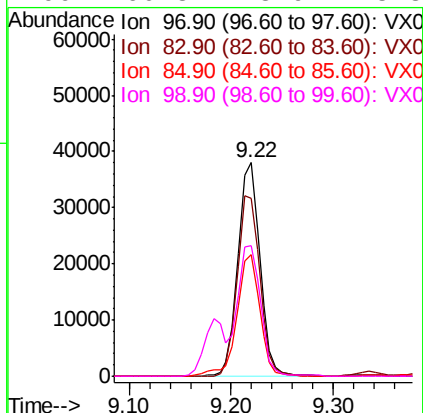
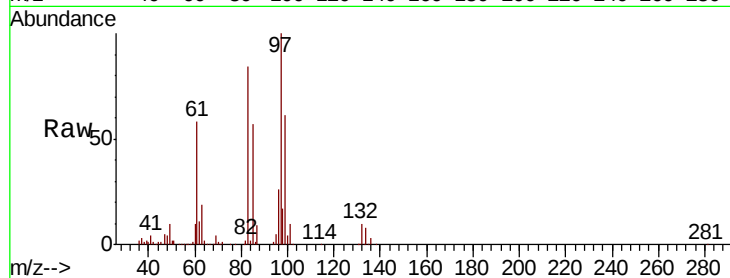
#55
 1,1,2-Trichloroethane
 Concen: 19.716 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		56738		
83	83.5	68.2	102.2		
85	56.6	49.9	74.9		
99	60.8	48.9	73.3		

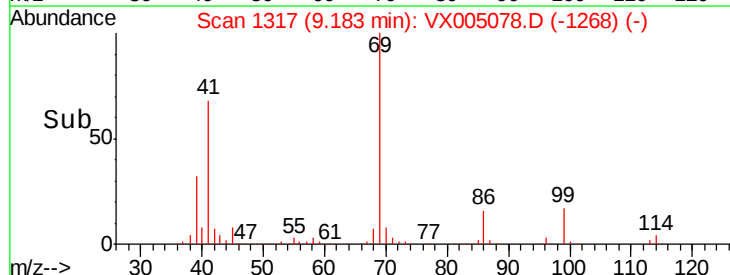
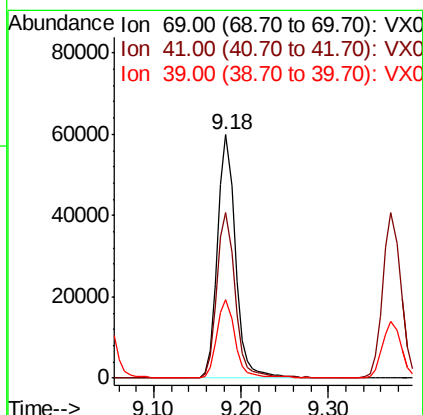
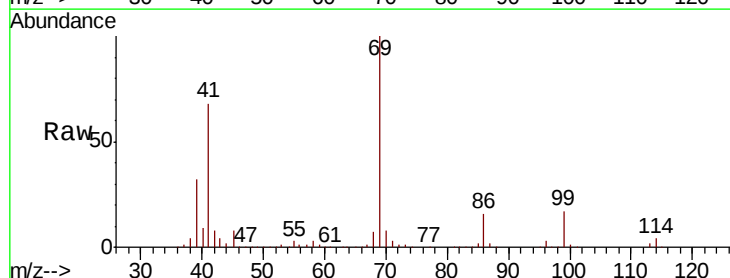
Manual Integrations
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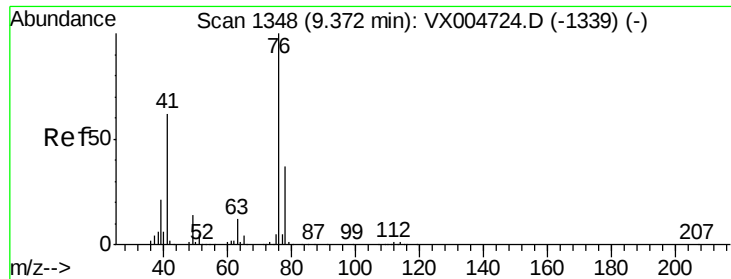
MMDadoda
 10/8/2018 2:02:40 PM



#56
 Ethyl methacrylate
 Concen: 20.148 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		85627		
41	69.0	56.9	85.3		
39	32.8	28.4	42.6		





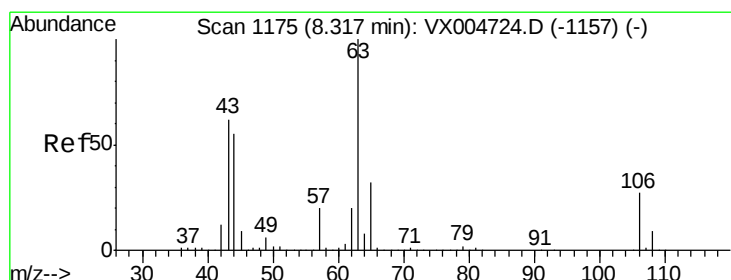
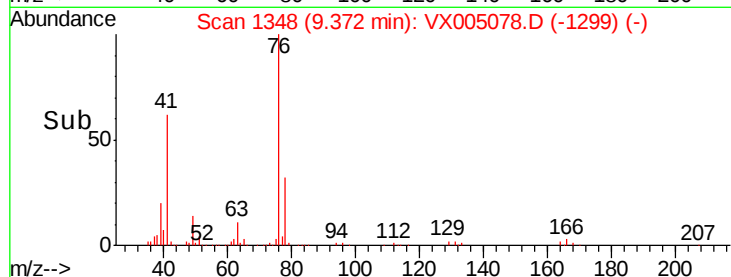
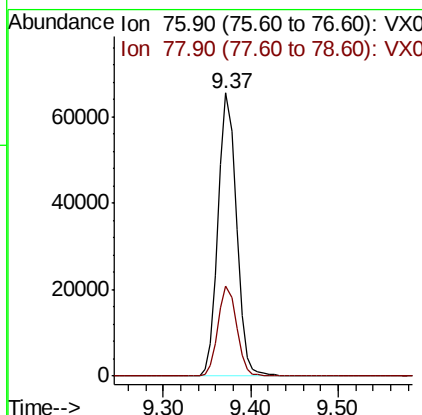
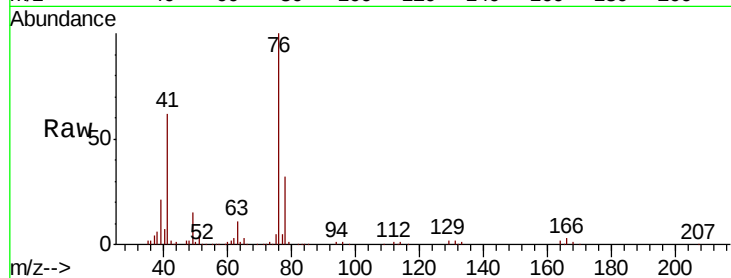
#57
 1,3-Dichloropropane
 Concen: 19.981 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion: 76 Resp: 95701
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.6 40.0

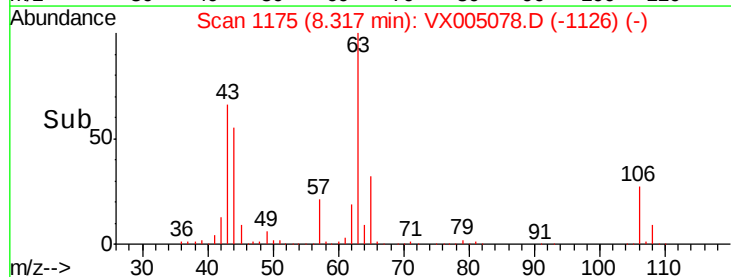
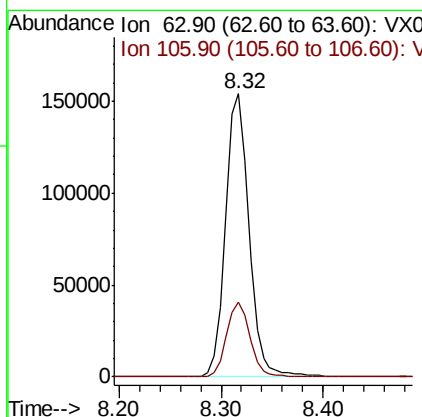
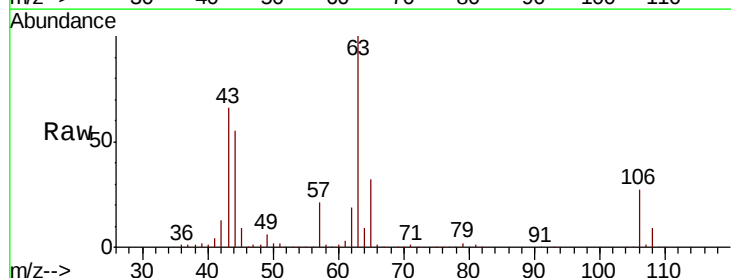
Manual Integrations
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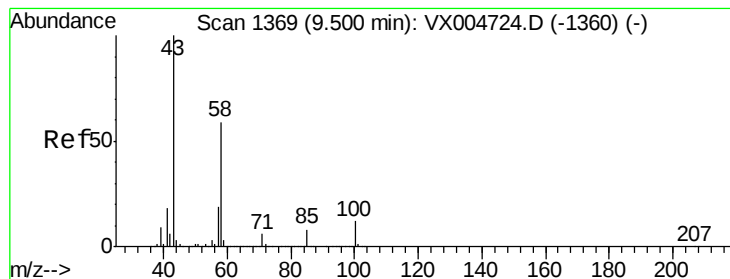
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 10/8/2018 2:02:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.518 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion: 63 Resp: 245263
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.0 31.6





#59

2-Hexanone

Concen: 103.870 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

Tot Ion: 43 Resp: 398778

Ion Ratio Lower Upper

43 100

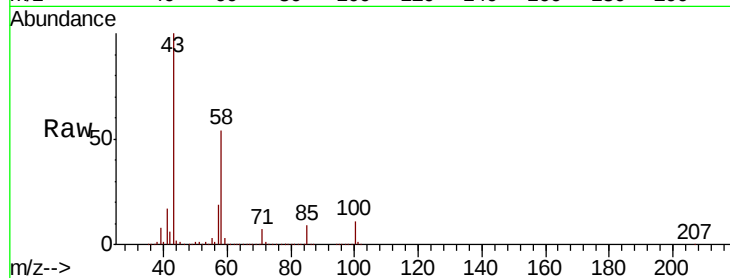
58 53.0 28.4 85.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-1360) (-)

Ion 58.00 (57.70 to 58.70): VX004724.D (-1360) (-)

9.50

300000

250000

200000

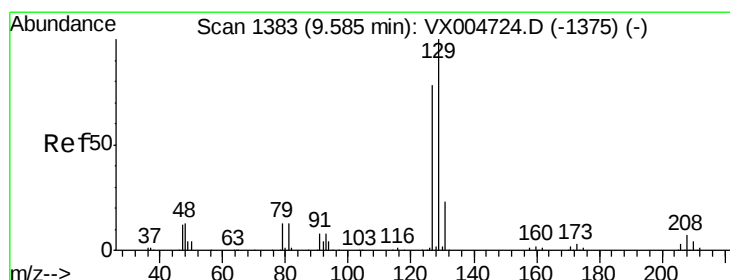
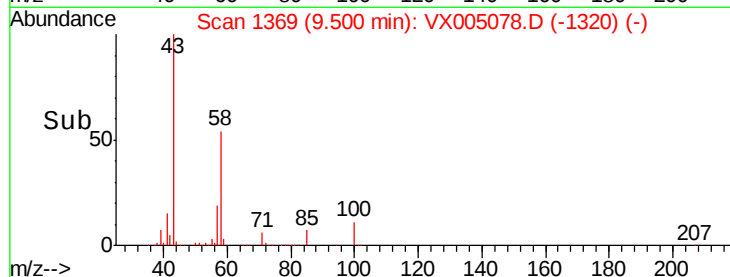
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 19.392 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX005078.D

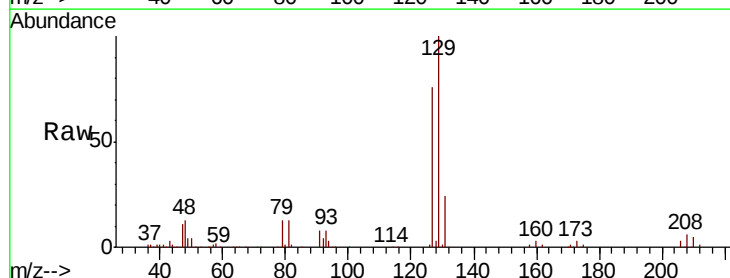
Acq: 05 Oct 2018 20:38

Tgt Ion:129 Resp: 55811

Ion Ratio Lower Upper

129 100

127 77.9 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): VX004724.D (-1375) (-)

Ion 126.80 (126.50 to 127.50): VX004724.D (-1375) (-)

9.59

40000

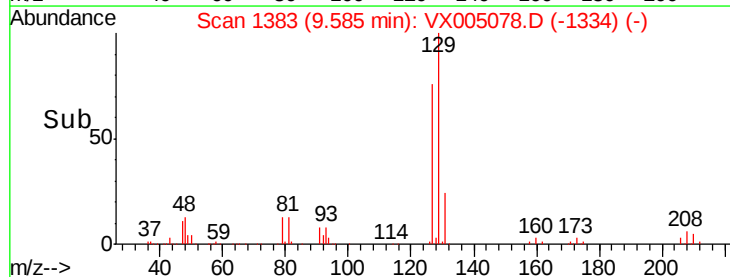
30000

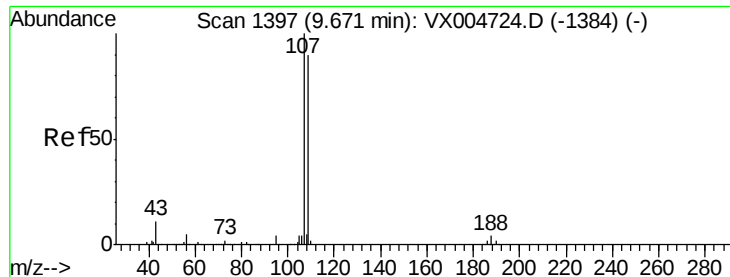
20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 18.983 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

Tot Ion:107 Resp: 58506

Ion Ratio Lower Upper

107 100

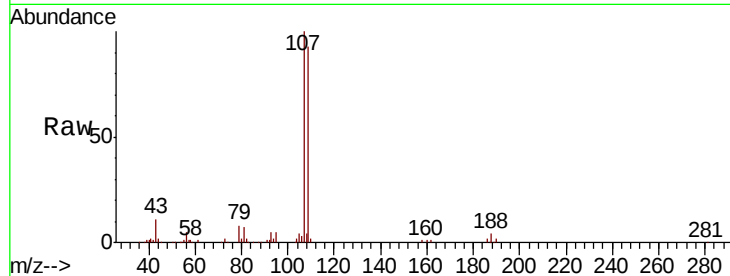
109 93.6 72.1 108.1

Manual Integrations

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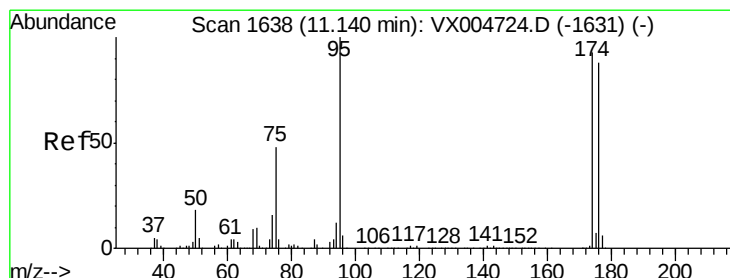
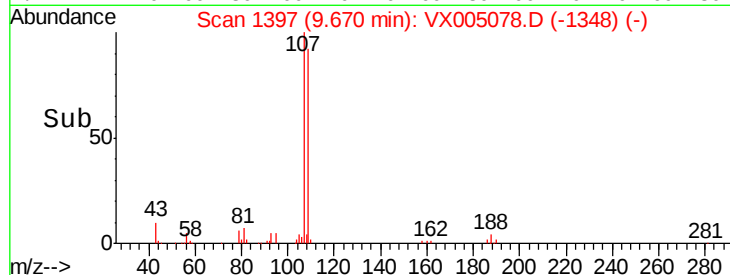
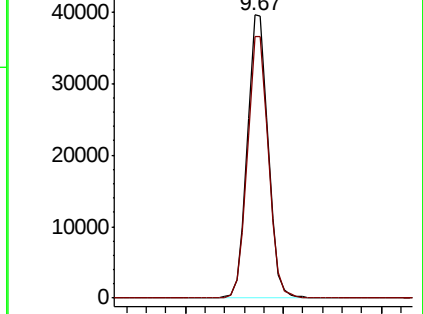
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.680 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

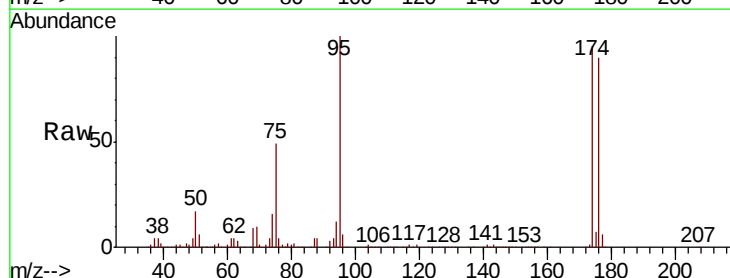
Tgt Ion: 95 Resp: 173256

Ion Ratio Lower Upper

95 100

174 92.1 0.0 185.0

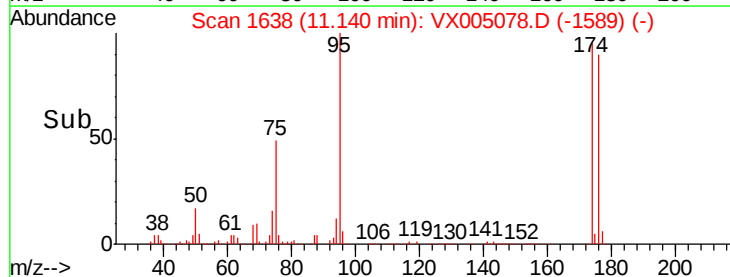
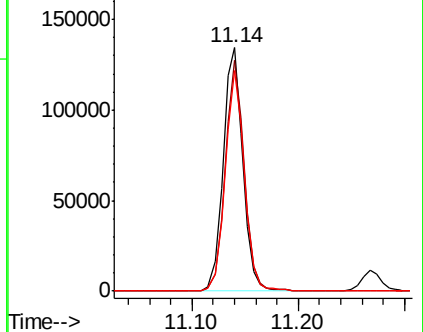
176 88.5 0.0 180.2

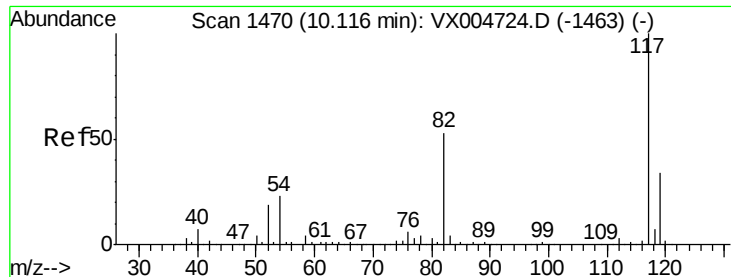


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

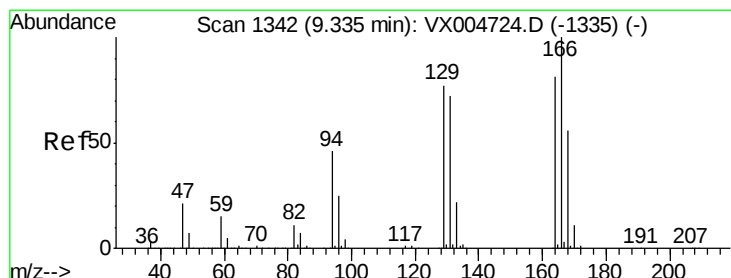
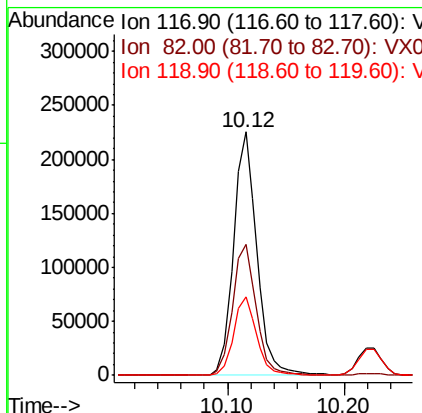
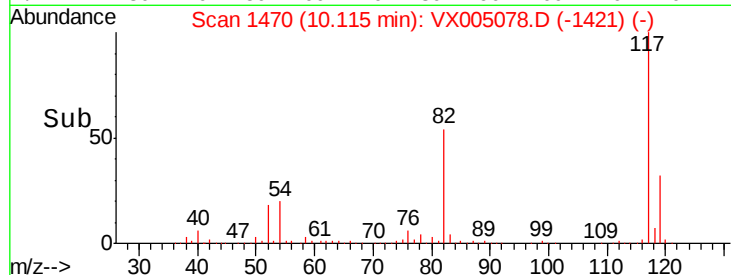
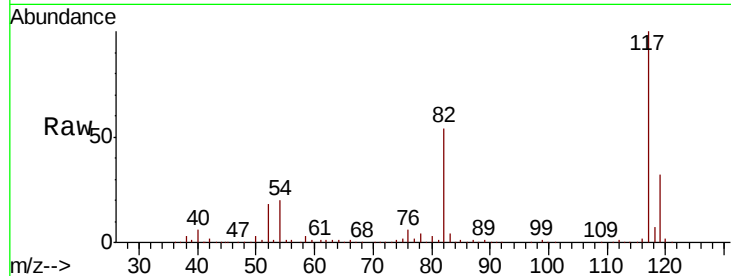
ClientSampleId :

VX1005WBS01

Tot Ion:	117	Resp:	314475
Ion Ratio	Lower	Upper	
117	100		
82	53.9	42.2	63.4
119	32.3	27.4	41.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.791 ug/l

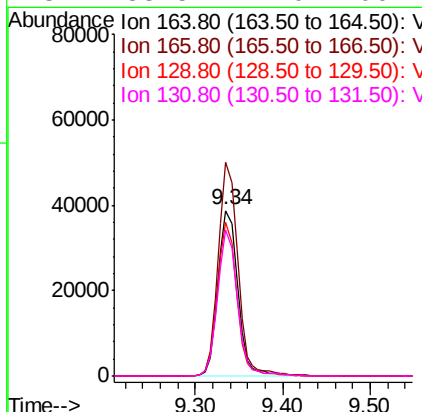
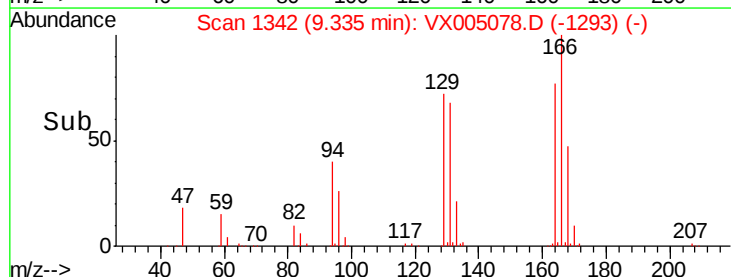
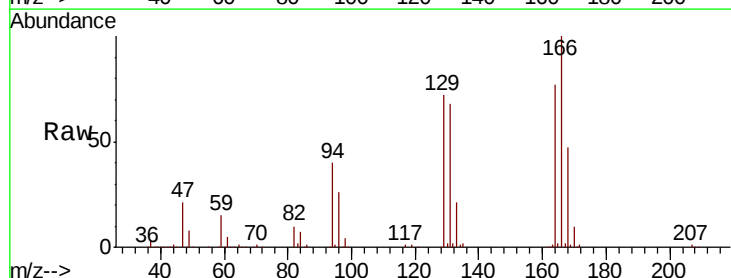
RT: 9.34 min Scan# 1342

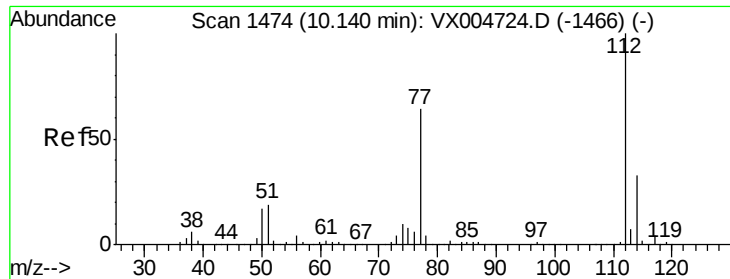
Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Tgt Ion:	164	Resp:	61255
Ion Ratio	Lower	Upper	
164	100		
166	129.2	98.4	147.6
129	92.6	76.1	114.1
131	88.5	71.0	106.4





#65

Chlorobenzene

Concen: 18.634 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

VX1005WBS01

Tot Ion:112 Resp: 150262

Ion Ratio Lower Upper

112 100

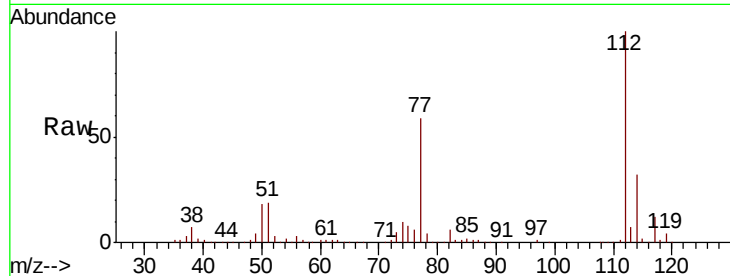
114 32.4 26.7 40.1

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

120000

100000

80000

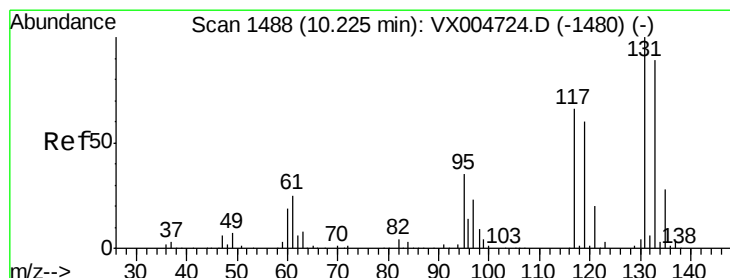
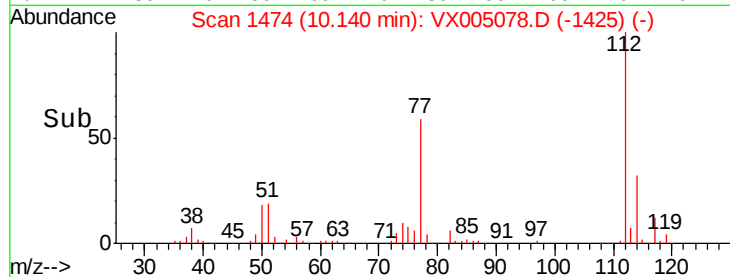
60000

40000

20000

0

Time--> 10.00 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 18.916 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

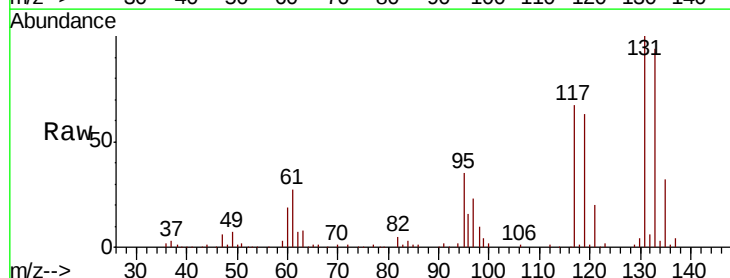
Tgt Ion:131 Resp: 53627

Ion Ratio Lower Upper

131 100

133 97.0 48.4 145.0

119 65.9 32.3 96.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

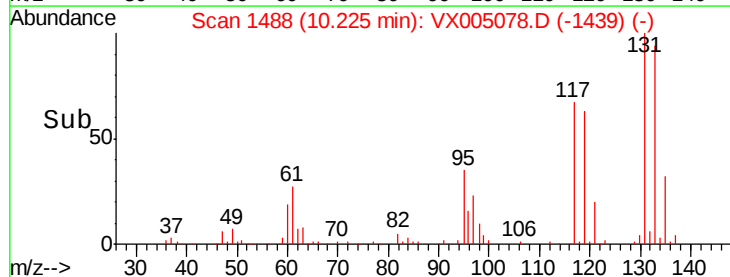
60000

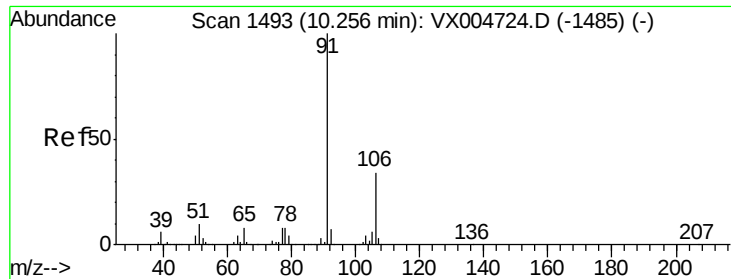
40000

20000

0

Time--> 10.20 10.30





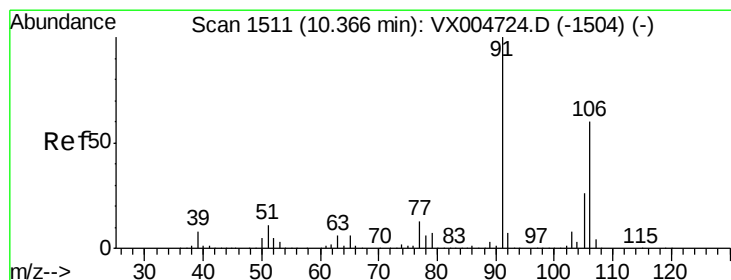
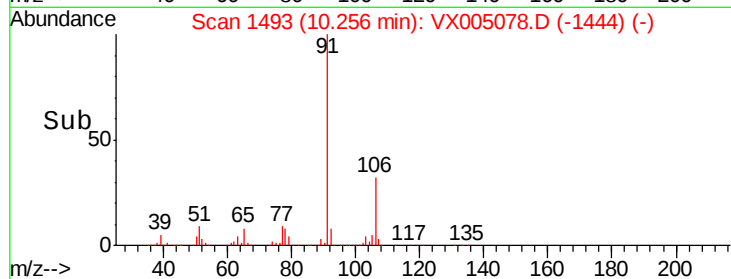
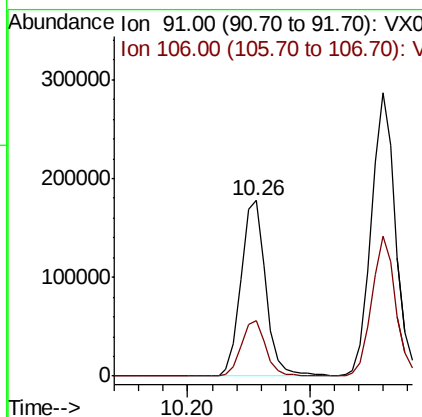
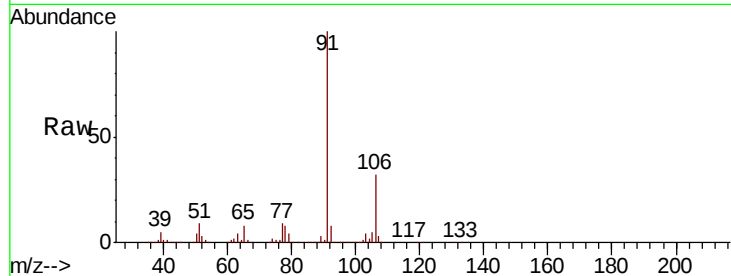
#67
Ethyl Benzene
Concen: 19.518 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion: 91 Resp: 249876
Ion Ratio Lower Upper
91 100
106 31.9 26.9 40.3

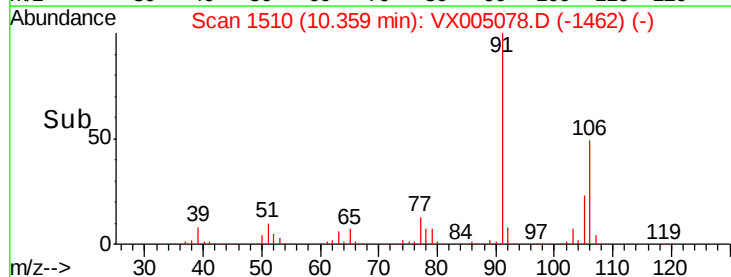
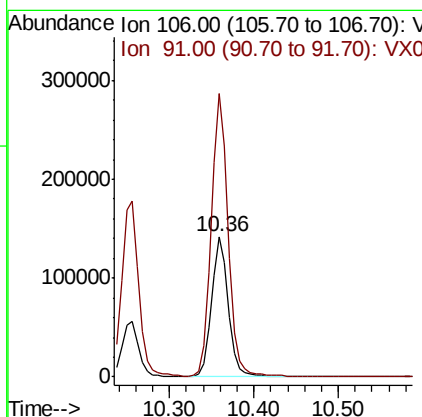
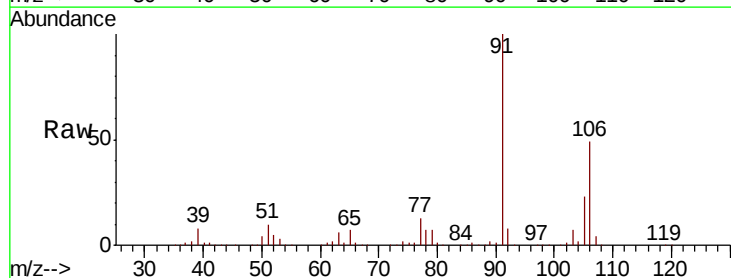
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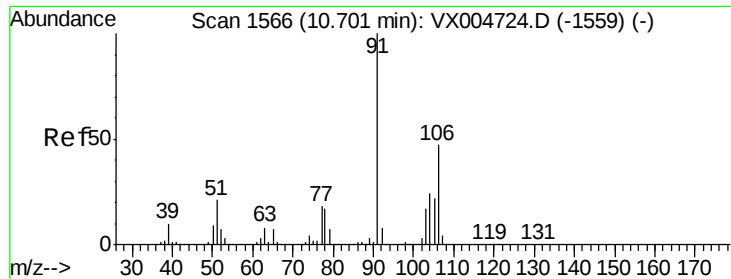
MMDadoda
10/8/2018 2:02:40 PM



#68
m/p-Xylenes
Concen: 39.091 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion: 106 Resp: 195567
Ion Ratio Lower Upper
106 100
91 204.1 157.5 236.3





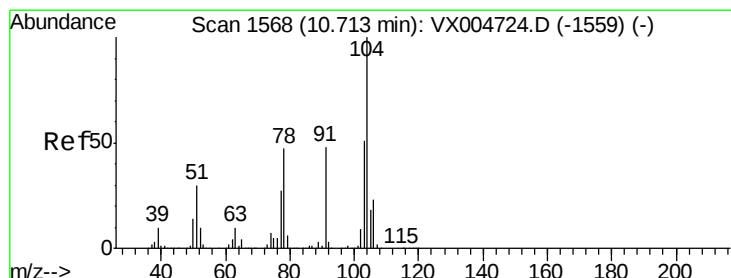
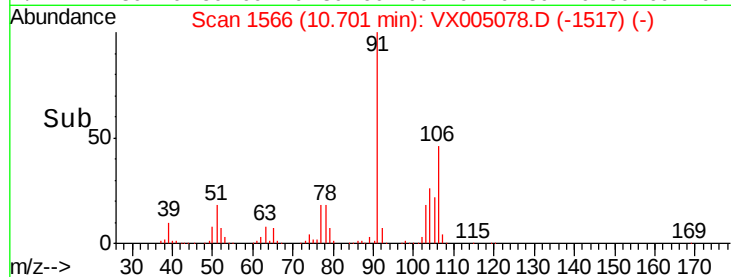
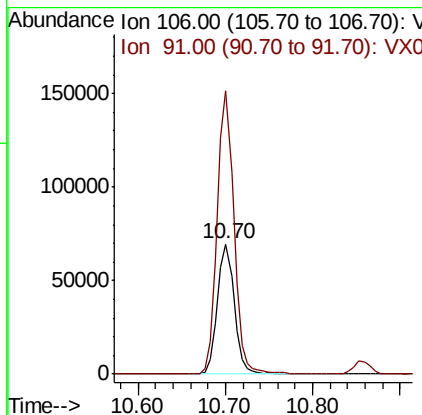
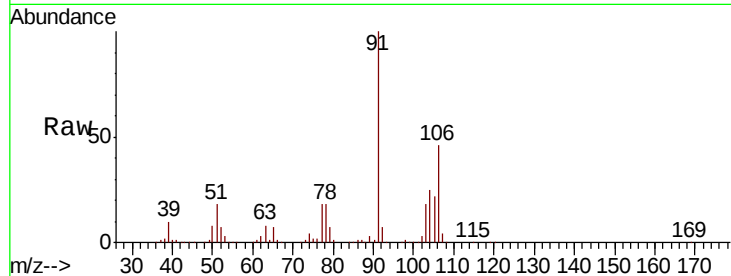
#69
o-Xylene
Concen: 20.238 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampled :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.5	108.3	324.8

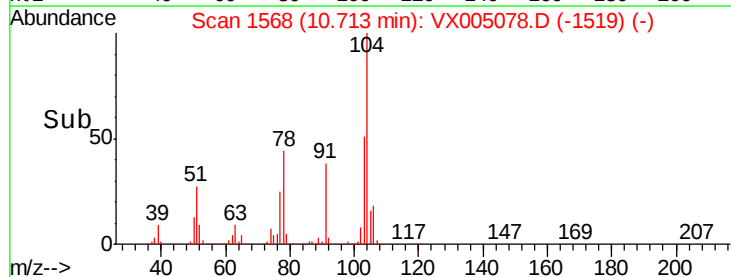
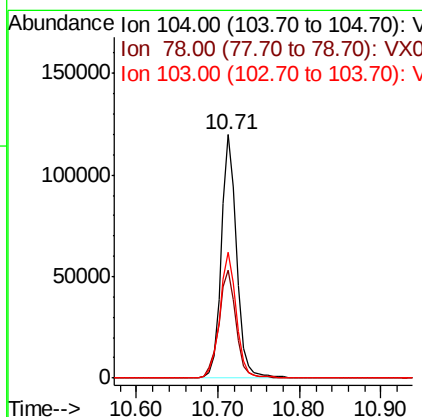
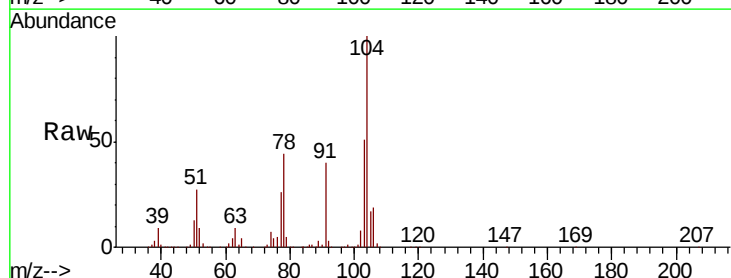
Manual Integrations
APPROVED

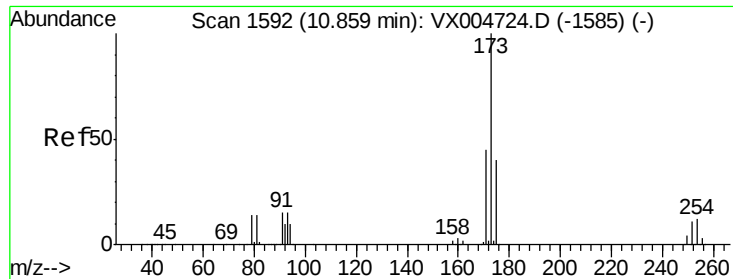
MMDadoda
10/8/2018 2:02:40 PM



#70
Styrene
Concen: 19.688 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	40.0	60.0
103	56.4	44.3	66.5





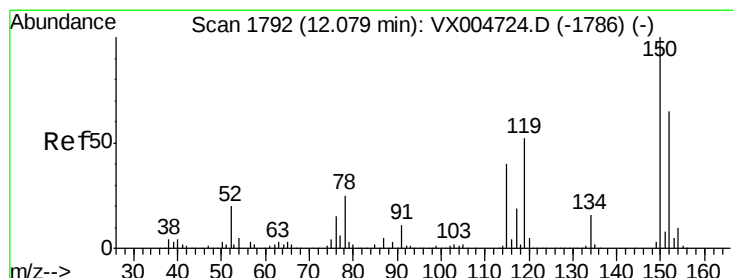
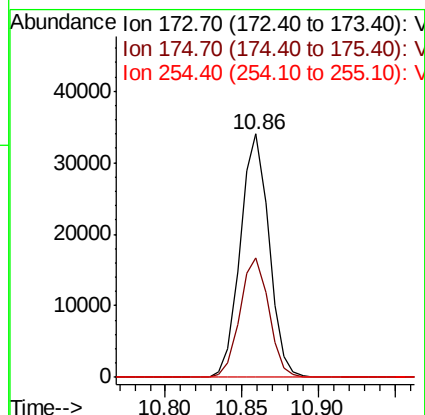
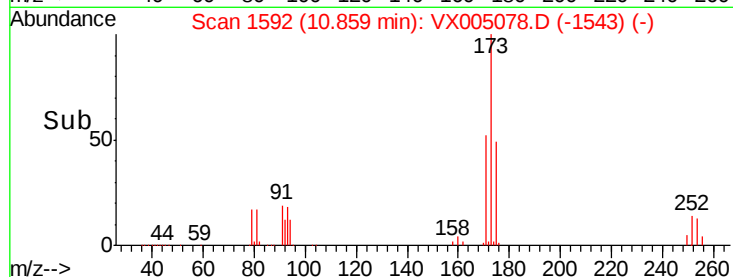
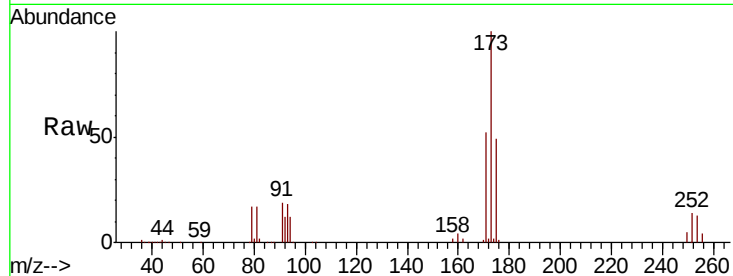
#71
Bromoform
Concen: 18.270 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.3	69.8
254	0.0	0.2	0.2

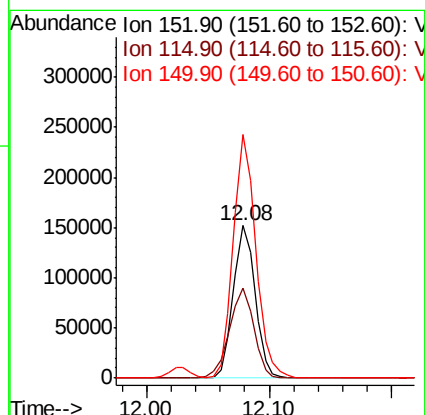
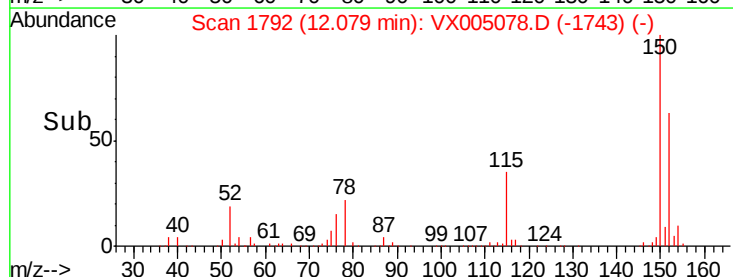
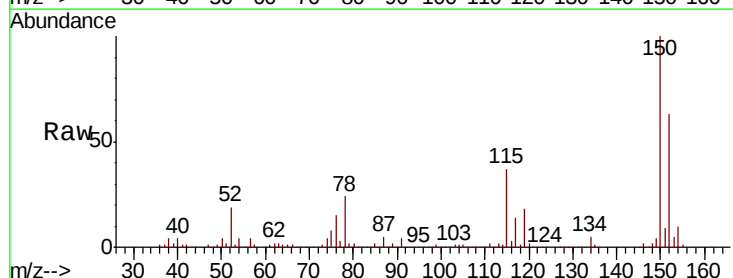
Manual Integrations
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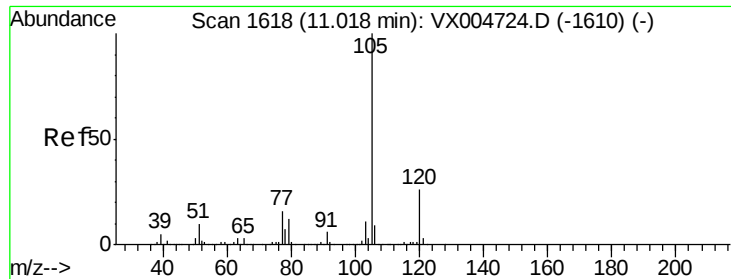
MMDadoda
10/8/2018 2:02:40 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.6	40.2	120.6
150	164.2	0.0	351.0





#73

Isopropylbenzene

Concen: 21.928 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

VX1005WBS01

Tot Ion: 105 Resp: 259463

Ion Ratio Lower Upper

105 100

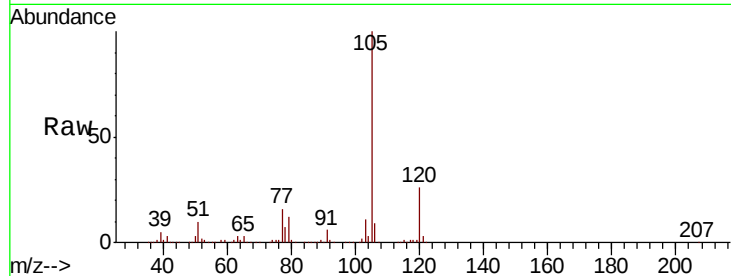
120 26.2 13.2 39.5

Manual Integrations

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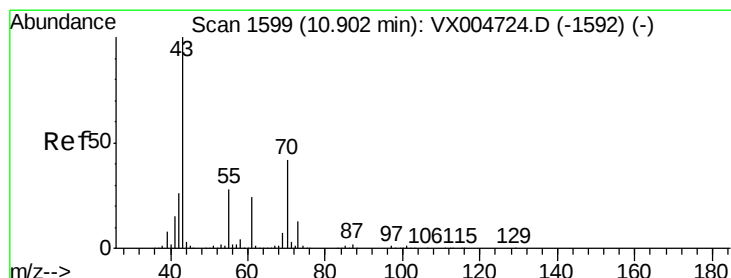
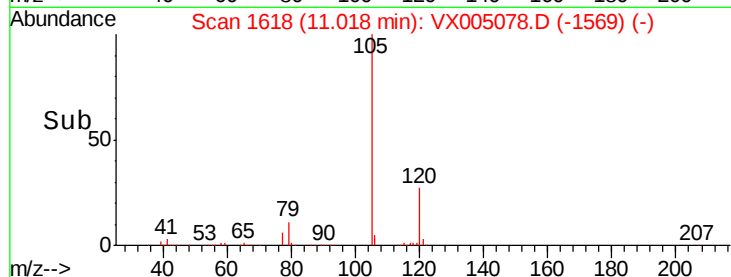
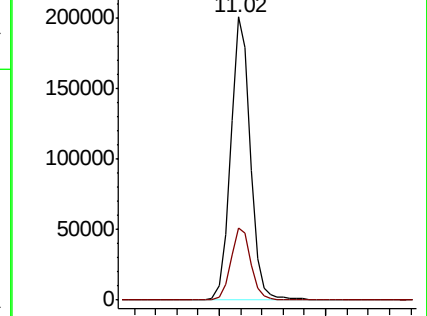
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.603 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Tgt Ion: 43 Resp: 120330

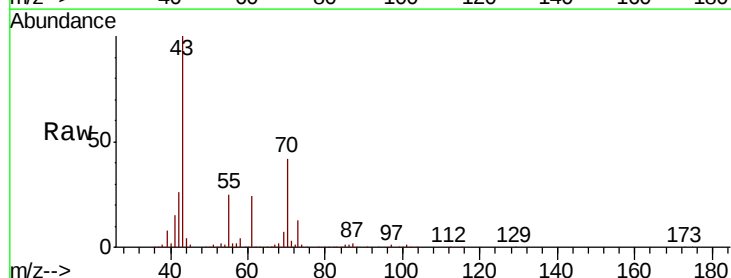
Ion Ratio Lower Upper

43 100

70 40.2 32.6 48.8

55 25.1 21.6 32.4

61 23.5 19.1 28.7

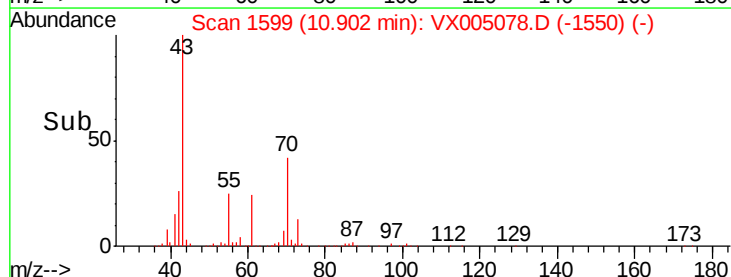
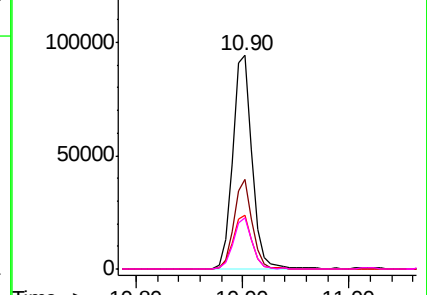


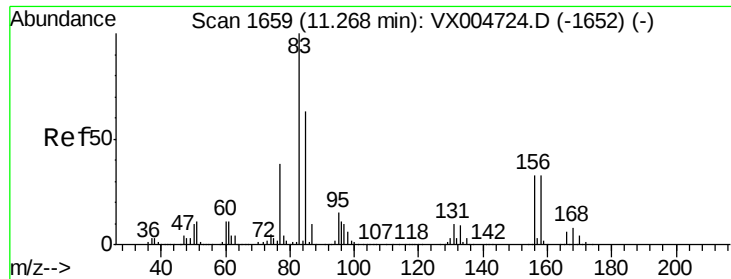
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.382 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

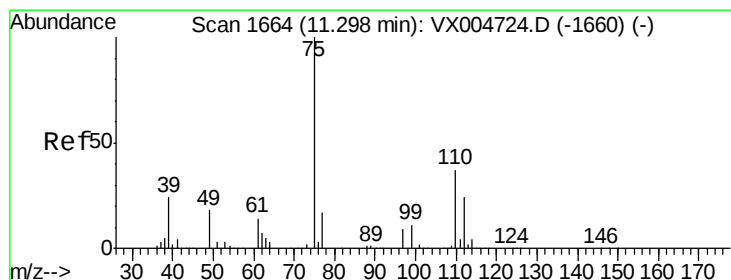
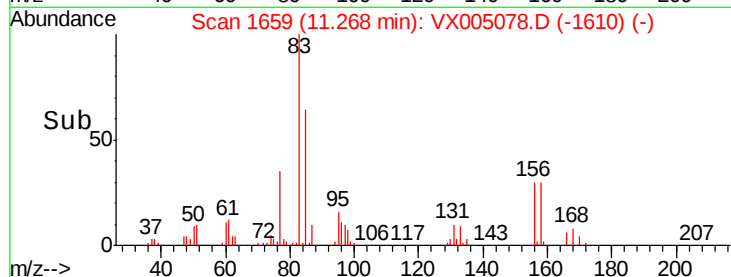
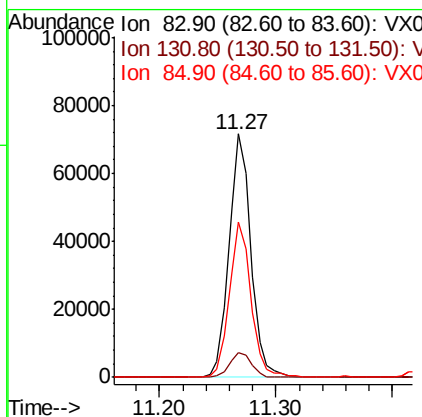
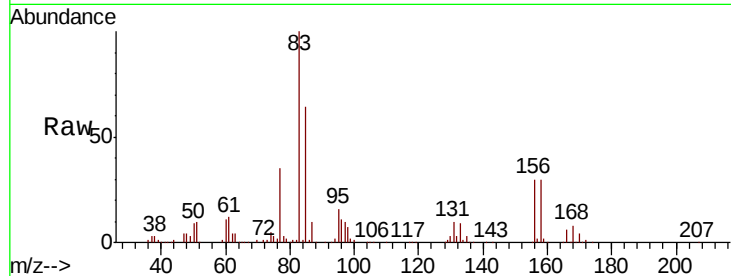
ClientSampleId :

VX1005WBS01

Tot Ion:	83	Resp:	93358
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	63.4	31.9	95.9

Manual Integrations
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10/8/2018 2:02:40 PM



#76

1,2,3-Trichloropropane

Concen: 20.222 ug/l m

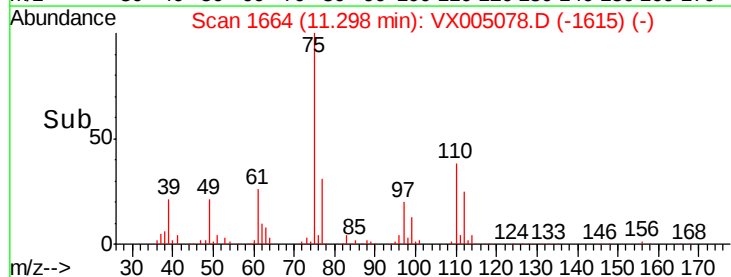
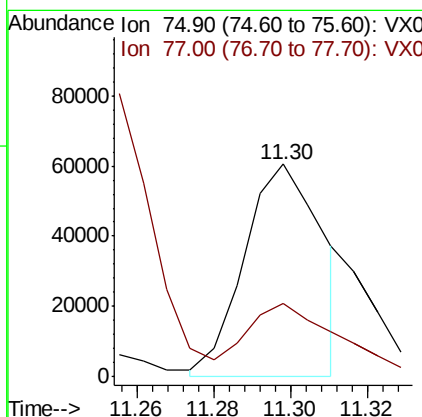
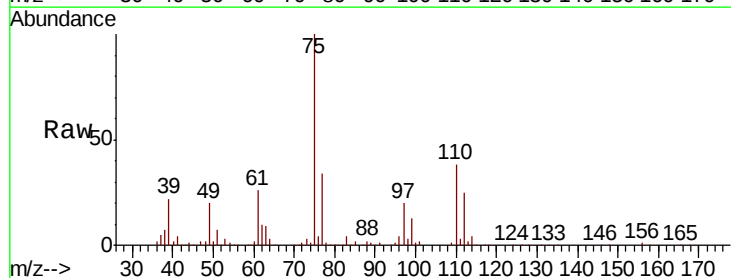
RT: 11.30 min Scan# 1664

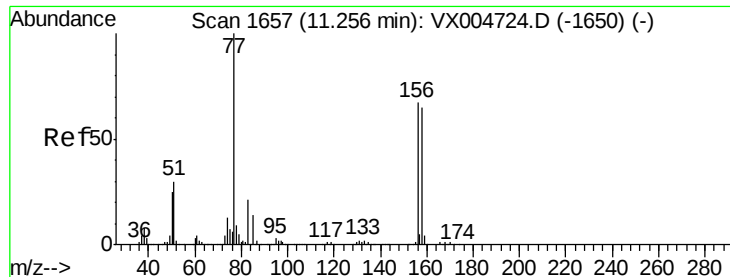
Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Tgt Ion:	75	Resp:	85086
Ion Ratio	Lower	Upper	
75	100		
77	41.3	21.4	64.3





#77

Bromobenzene

Concen: 19.936 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBS01

Tot Ion:156 Resp: 68516

Ion Ratio Lower Upper

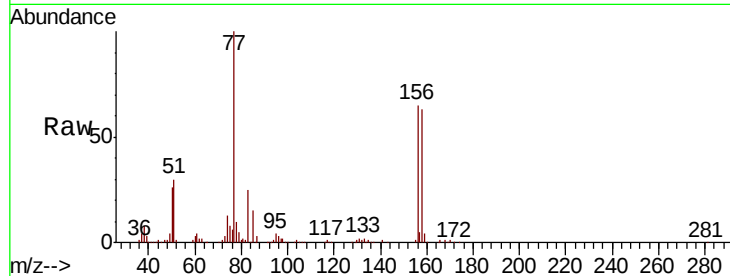
156 100

77 149.4 73.4 220.2

158 97.8 49.1 147.4

Manual Integrations
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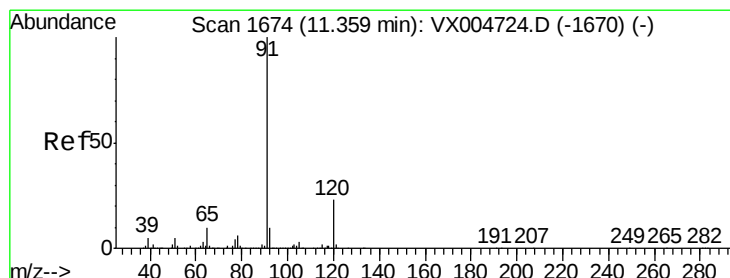
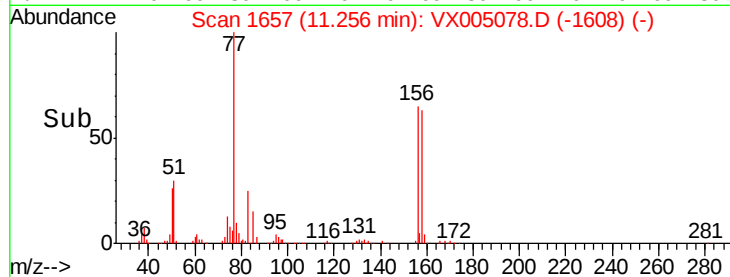
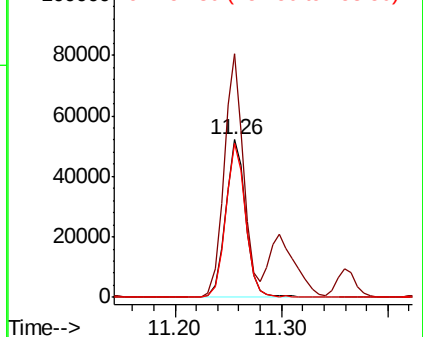
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.470 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005078.D

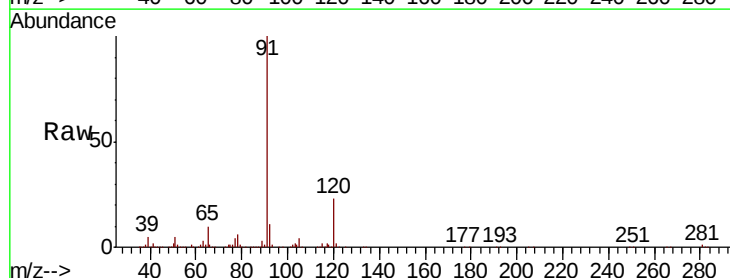
Acq: 05 Oct 2018 20:38

Tgt Ion: 91 Resp: 291491

Ion Ratio Lower Upper

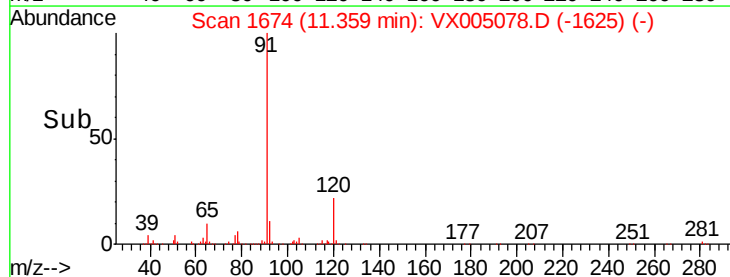
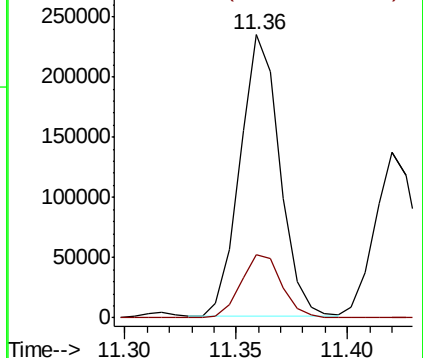
91 100

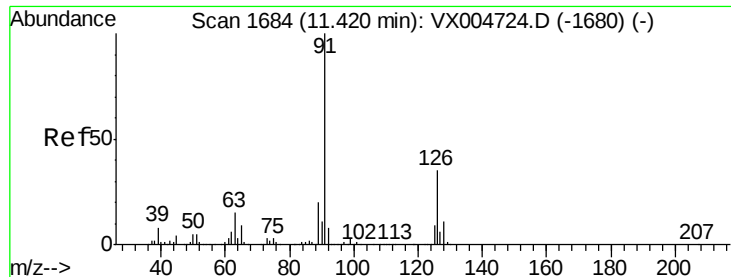
120 23.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.934 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

VX1005WBS01

Tot Ion: 91 Resp: 177148

Ion Ratio Lower Upper

91 100

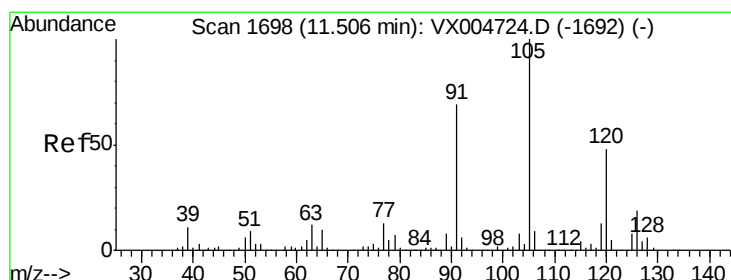
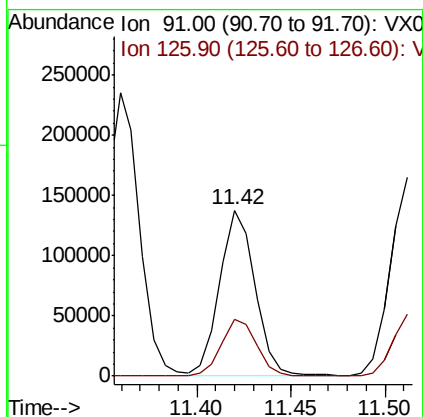
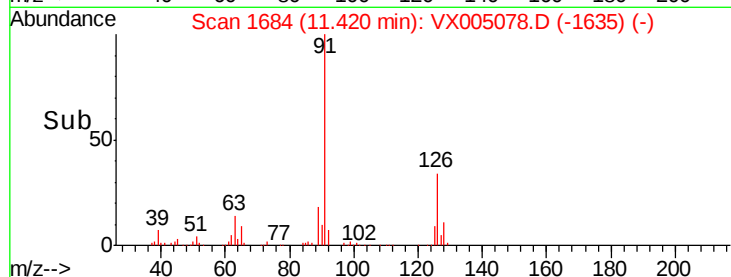
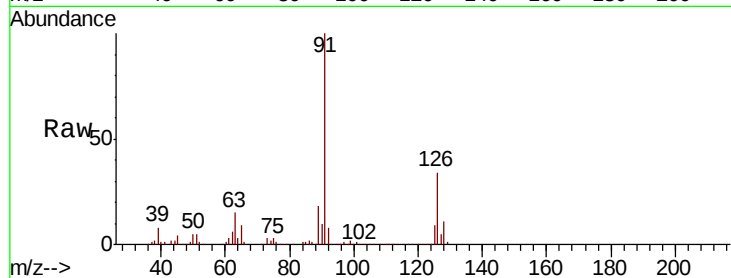
126 35.1 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.811 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005078.D

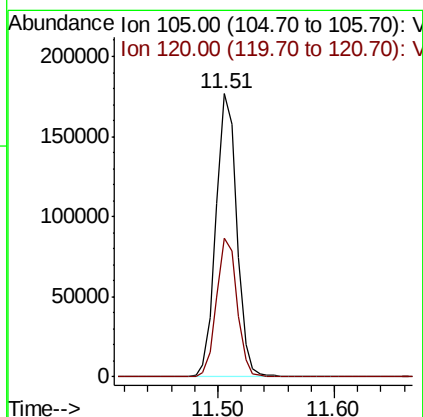
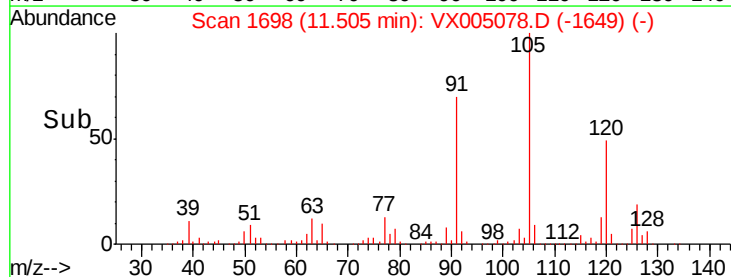
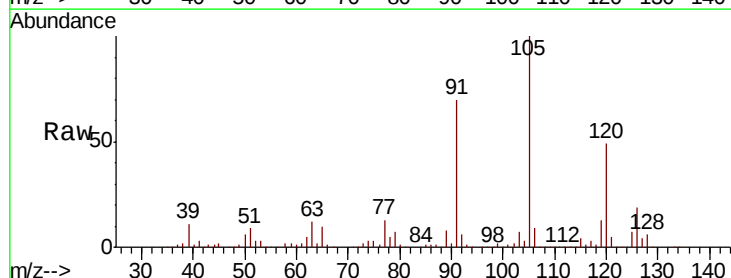
Acq: 05 Oct 2018 20:38

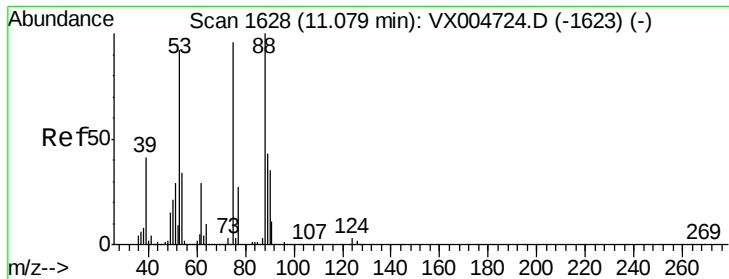
Tgt Ion: 105 Resp: 216139

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.176 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

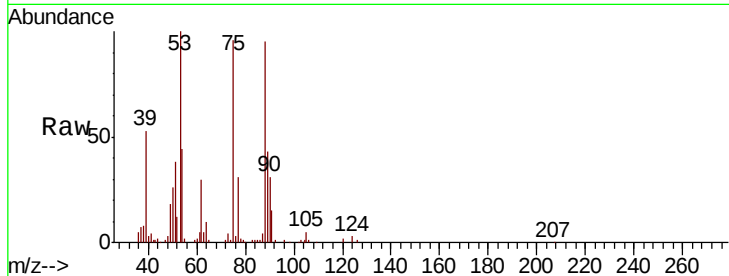
ClientSampleId :

VX1005WBS01

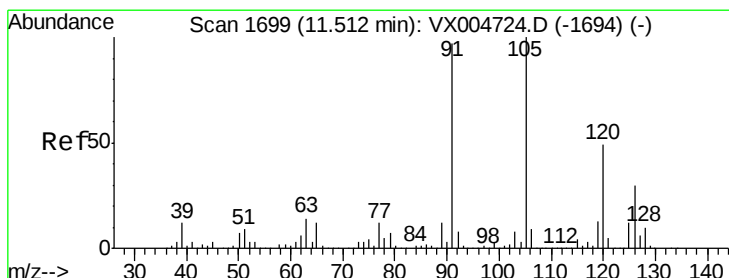
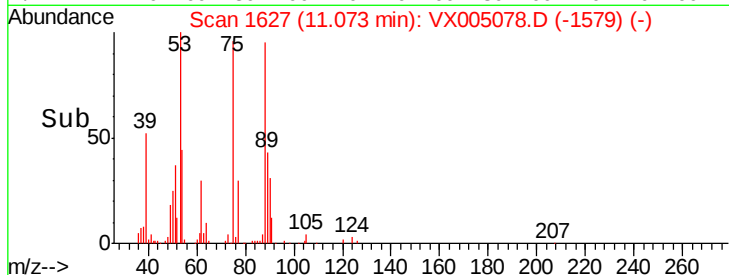
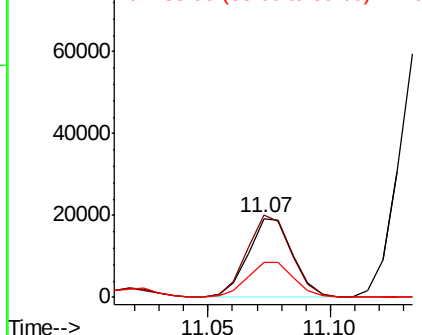
Tot Ion:	75	Resp:	24401
Ion	Ratio	Lower	Upper
75	100		
53	103.6	80.2	120.4
89	47.5	37.1	55.7

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



#82

4-Chlorotoluene

Concen: 20.827 ug/l

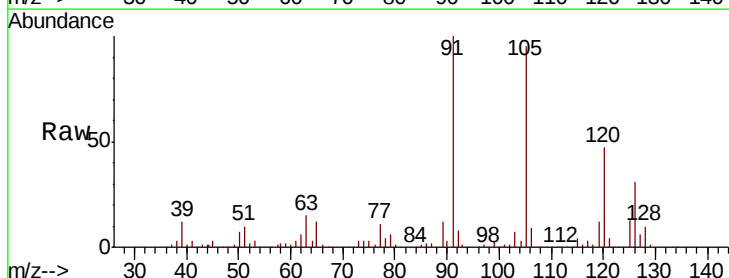
RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

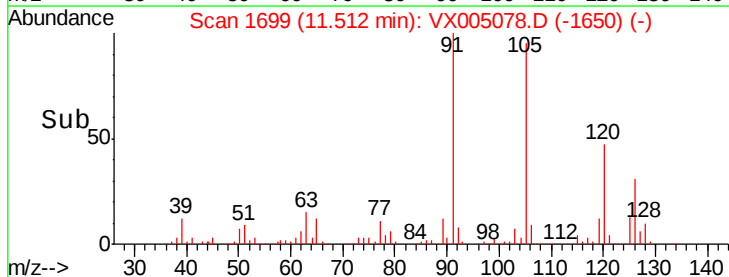
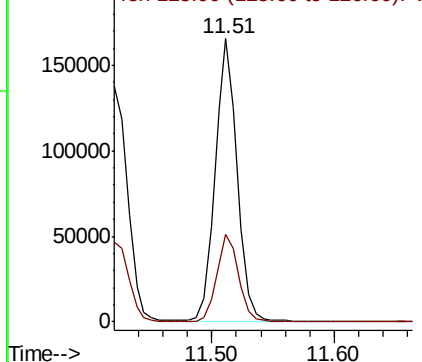
Lab File: VX005078.D

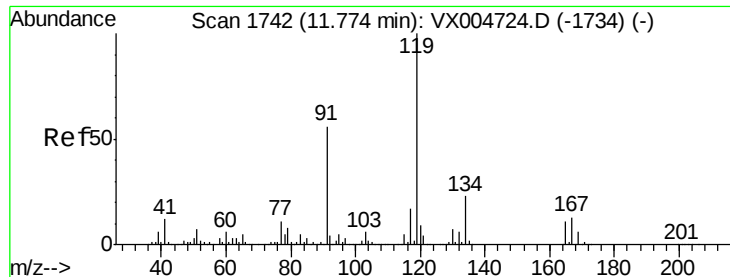
Acq: 05 Oct 2018 20:38

Tgt Ion:	91	Resp:	207446
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.5	46.5



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





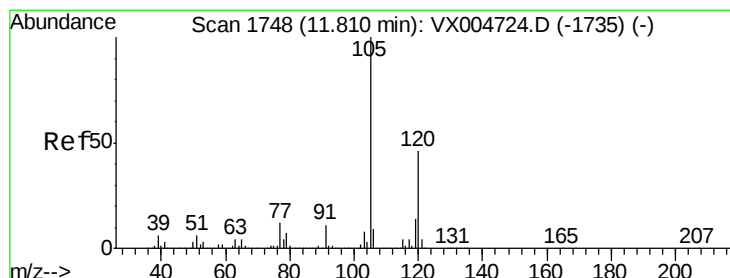
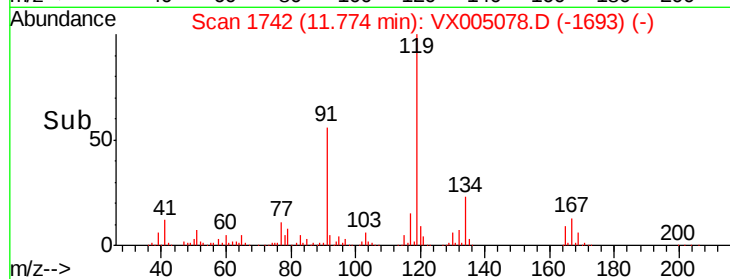
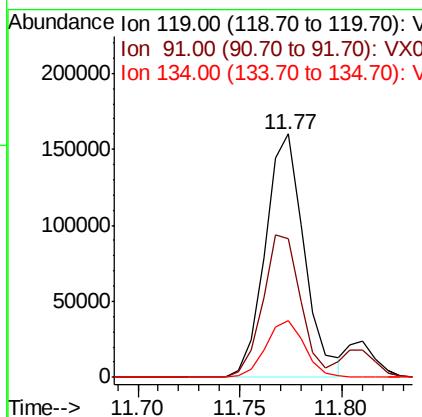
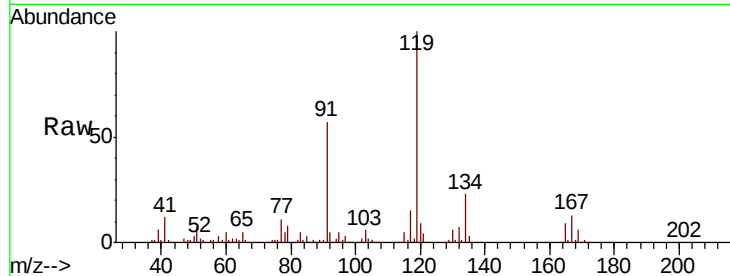
#83
tert-Butylbenzene
Concen: 21.910 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.9	27.5	82.5
134	23.2	11.5	34.4

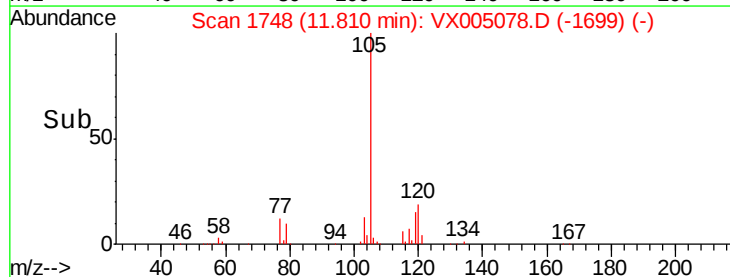
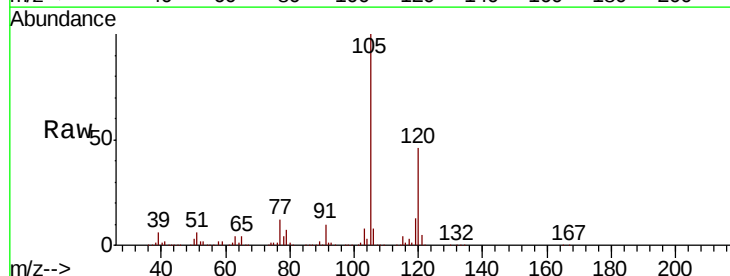
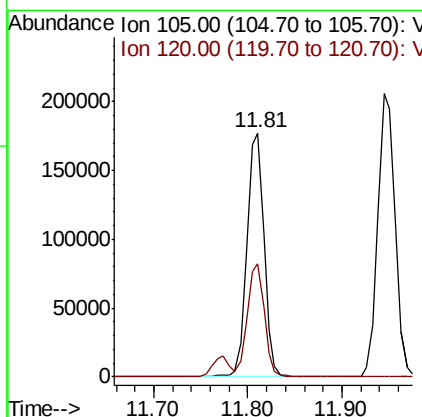
Manual Integrations
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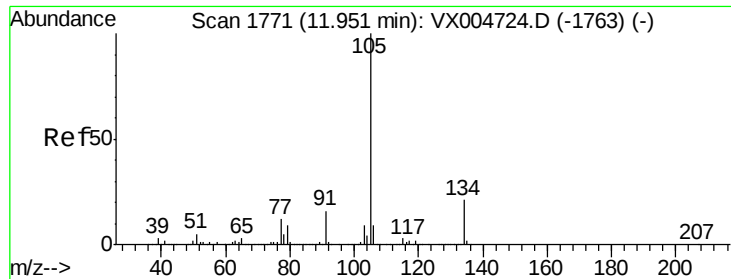
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#84
1,2,4-Trimethylbenzene
Concen: 19.953 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.8	68.3





#85

sec-Butylbenzene

Concen: 22.102 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

Instrument :

MSVOA_X

ClientSampled :

VX1005WBS01

Tot Ion:105 Resp: 262263

Ion Ratio Lower Upper

105 100

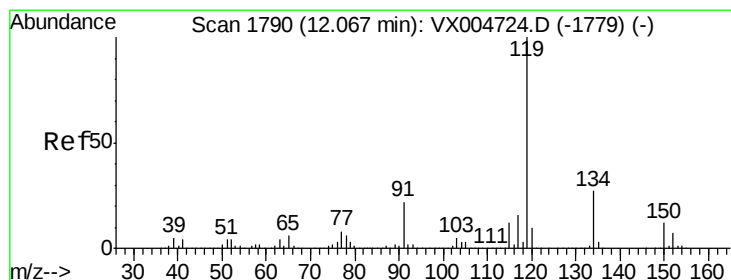
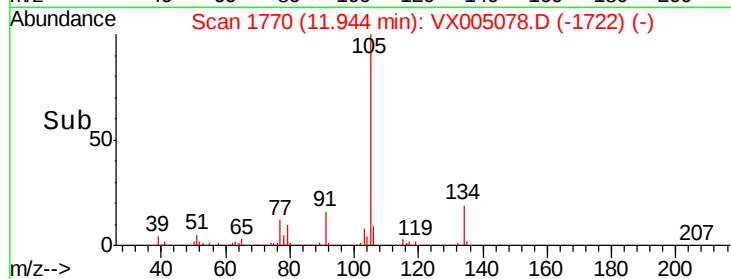
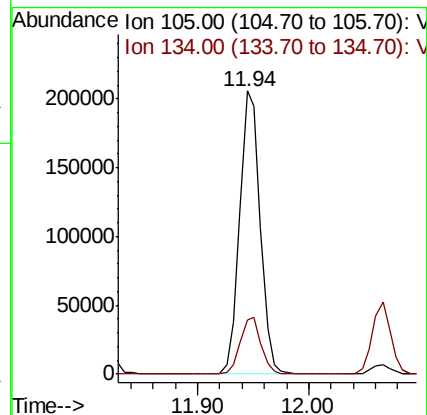
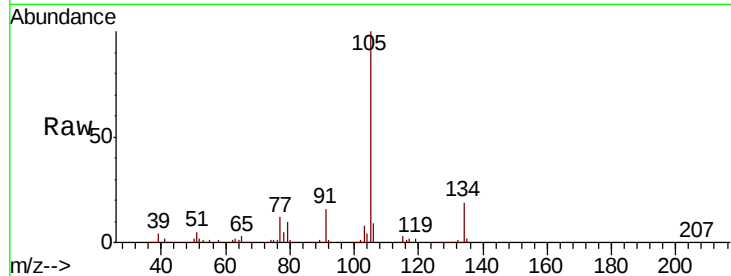
134 20.1 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 21.574 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005078.D

Acq: 05 Oct 2018 20:38

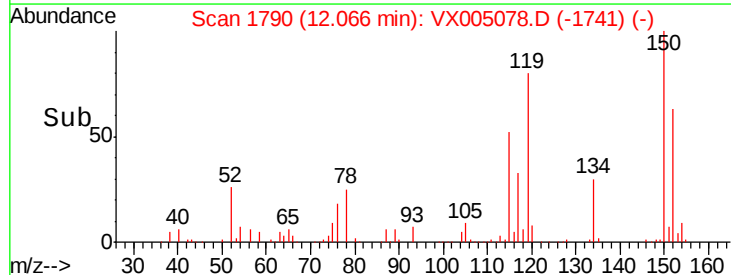
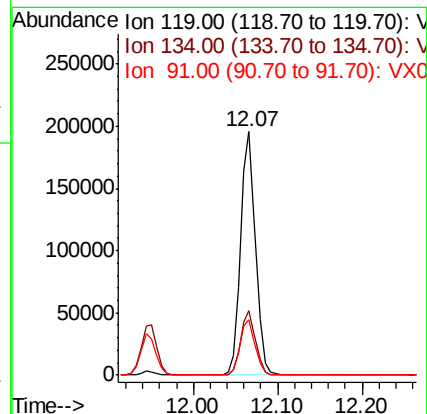
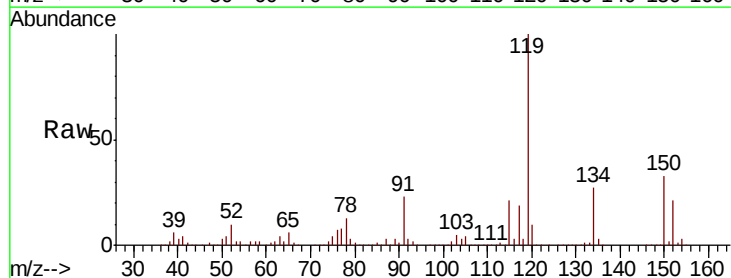
Tgt Ion:119 Resp: 231937

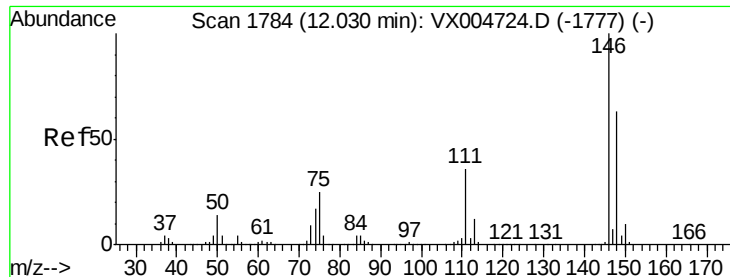
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 23.2 11.5 34.4





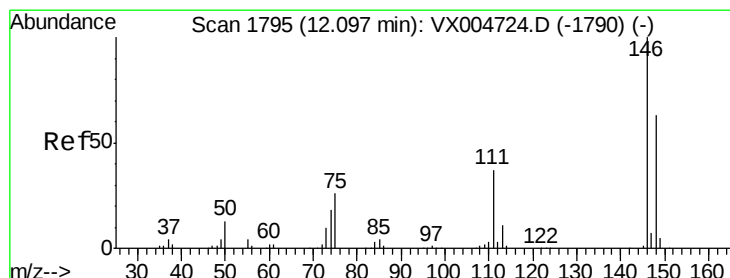
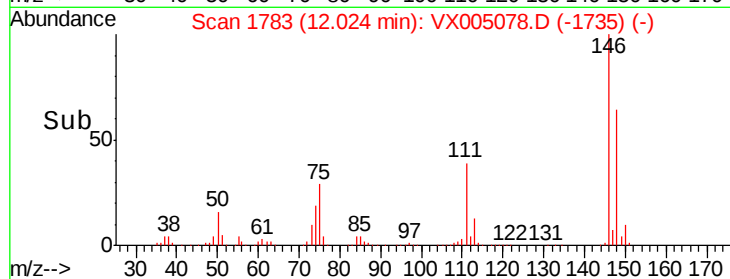
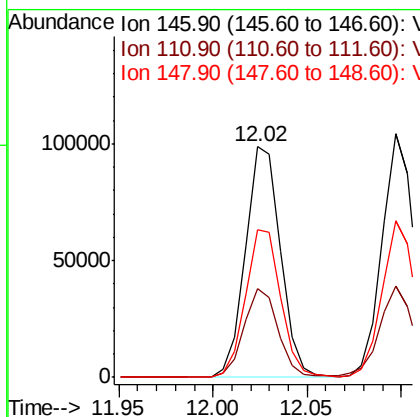
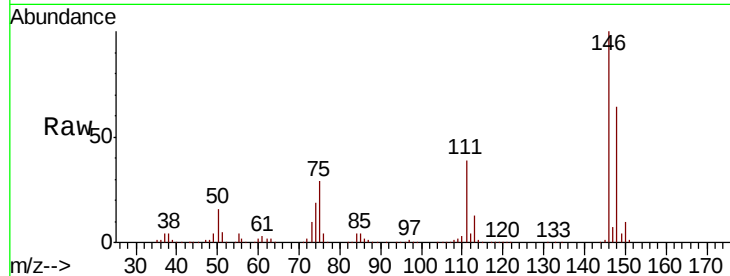
#87
 1,3-Dichlorobenzene
 Concen: 19.927 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	64.2	31.8	95.3

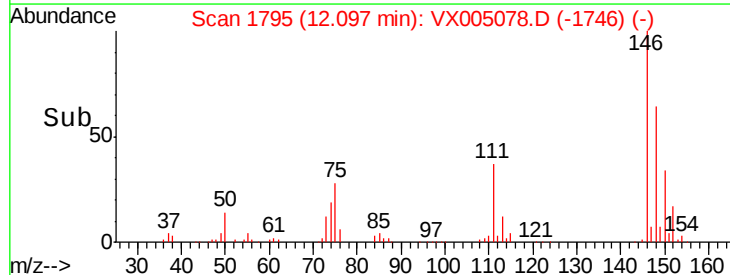
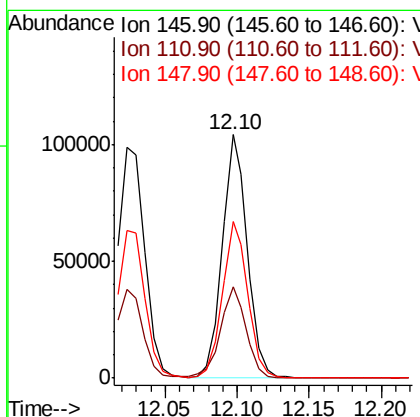
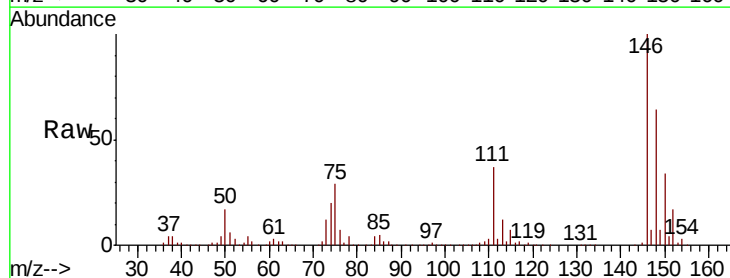
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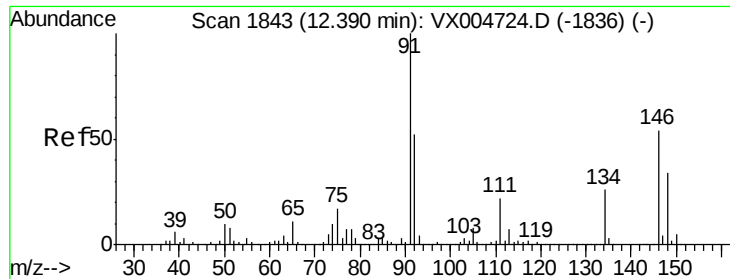
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#88
 1,4-Dichlorobenzene
 Concen: 19.233 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.4	55.2
148	65.2	32.0	96.0





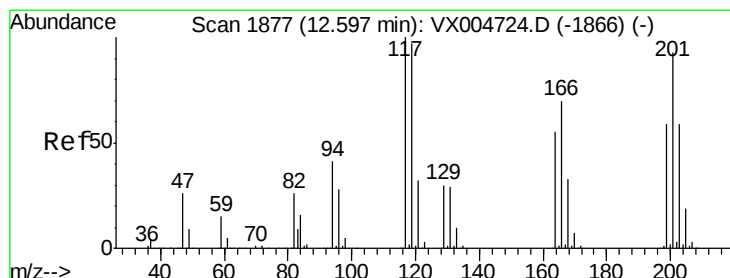
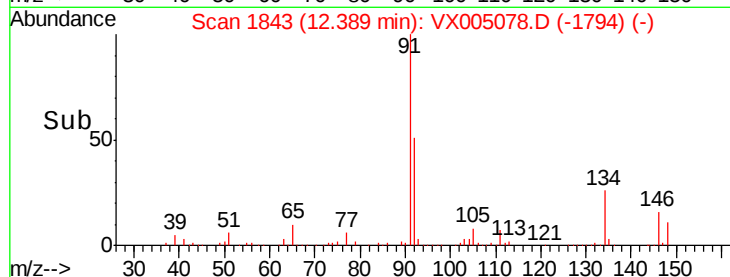
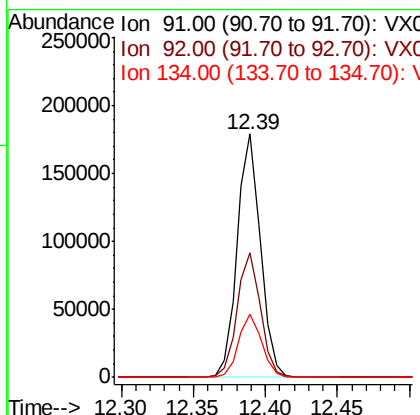
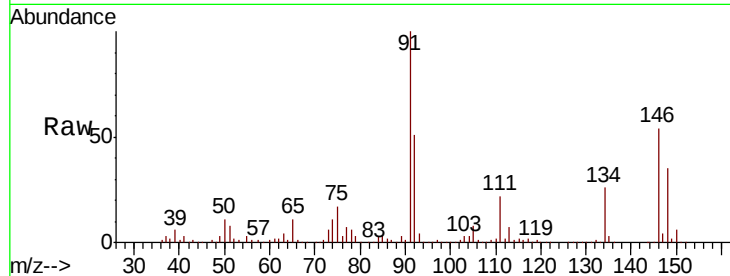
#89
n-Butylbenzene
Concen: 20.722 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	202326		
92	51.6	26.0	78.0	
134	25.8	13.2	39.6	

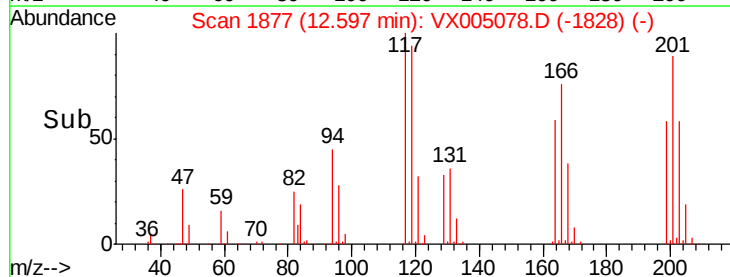
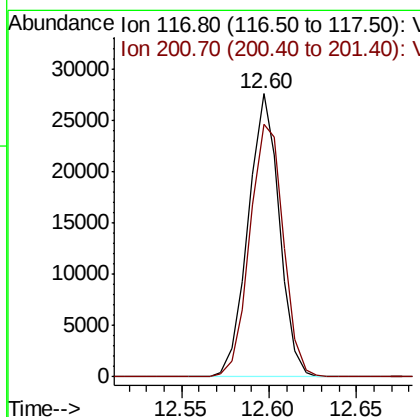
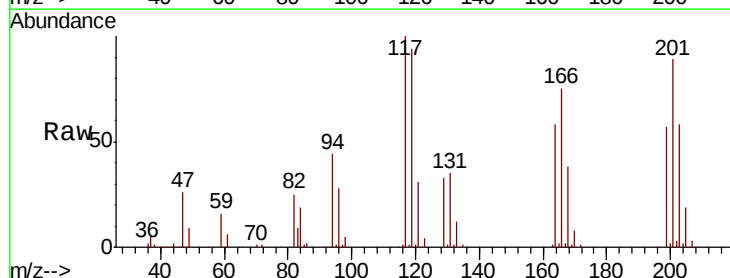
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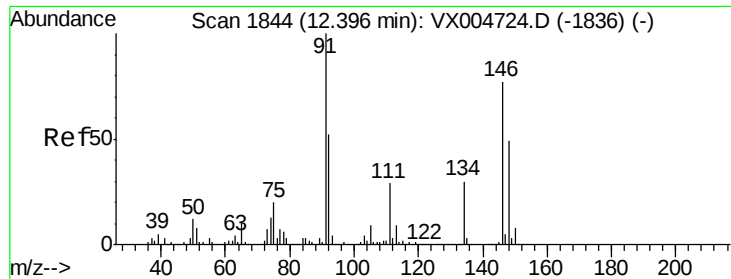
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#90
Hexachloroethane
Concen: 19.180 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34332		
201	96.0	48.4	145.0	





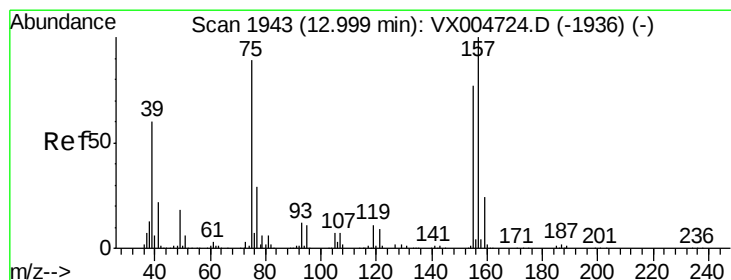
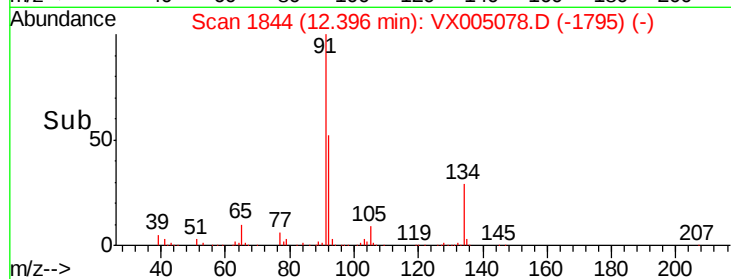
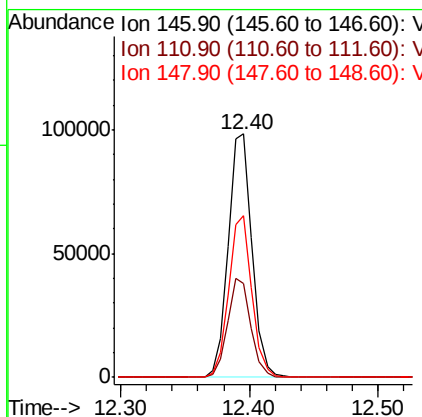
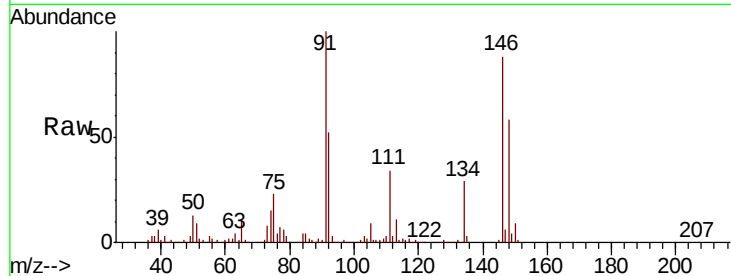
#91
 1,2-Dichlorobenzene
 Concen: 19.001 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	127432		
111	39.6	19.6	58.7	
148	64.7	31.8	95.4	

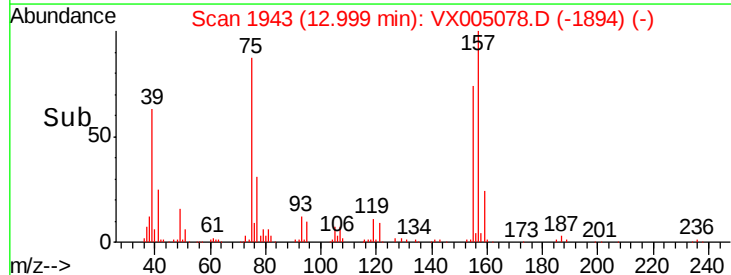
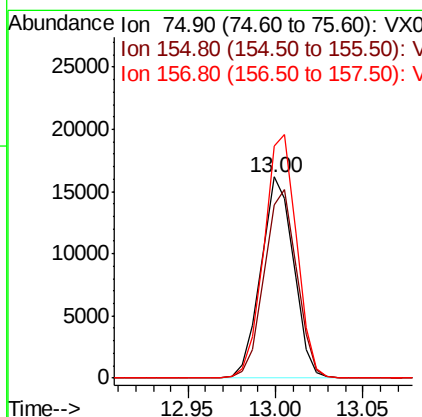
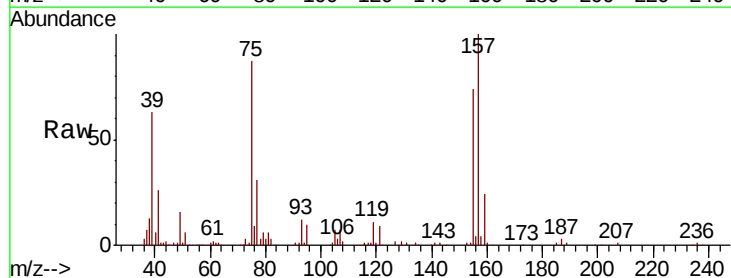
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 10/8/2018 2:02:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.898 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21044		
155	93.5	46.1	138.3	
157	121.1	60.2	180.6	





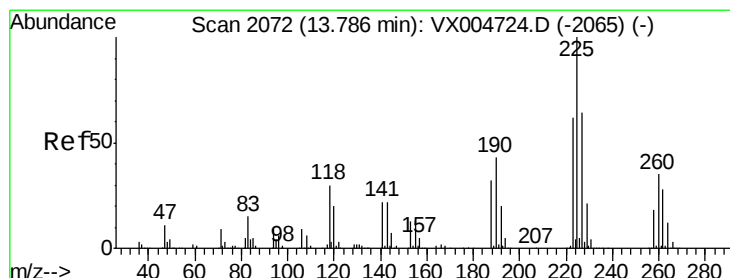
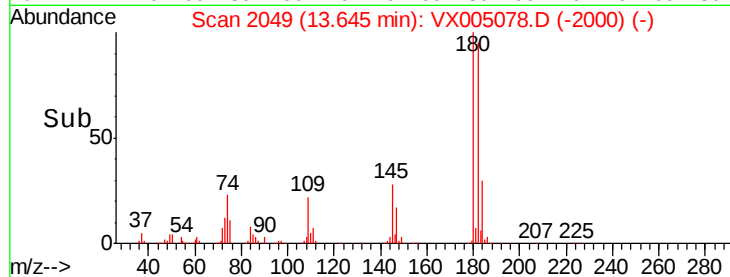
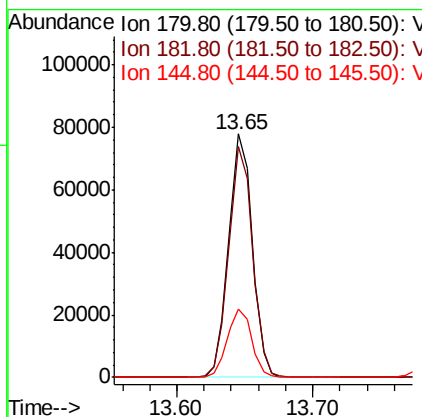
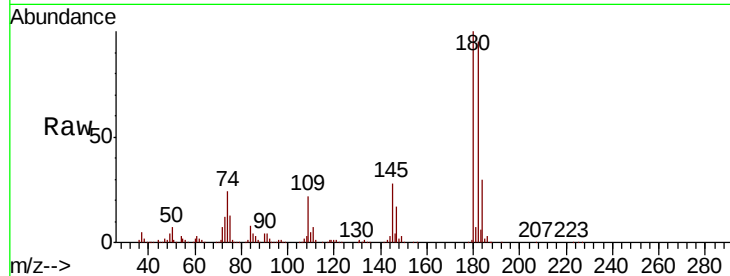
#93
 1,2,4-Trichlorobenzene
 Concen: 20.104 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.4
145	28.7	14.1	42.4

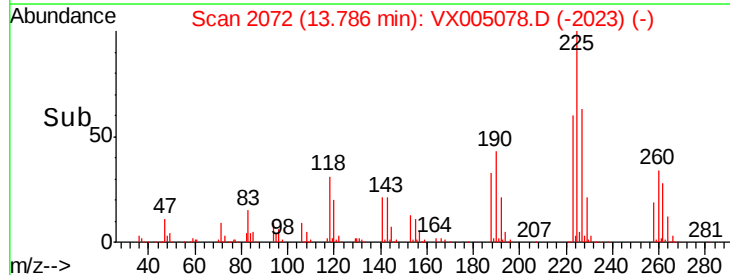
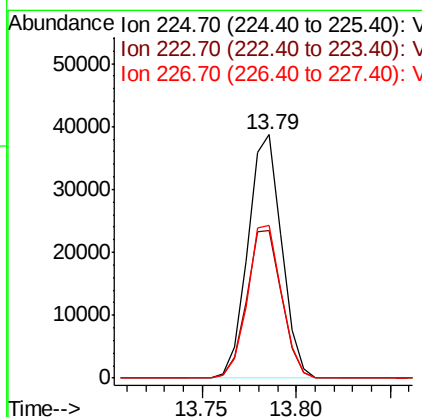
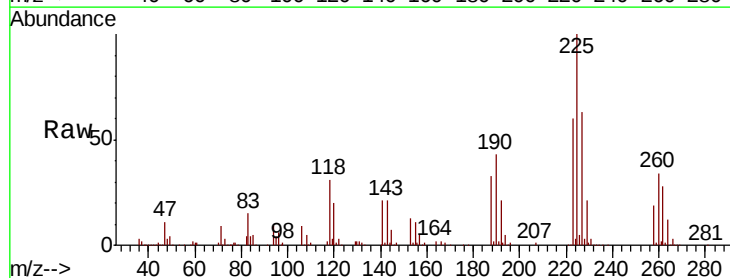
Manual Integrations
 APPROVED

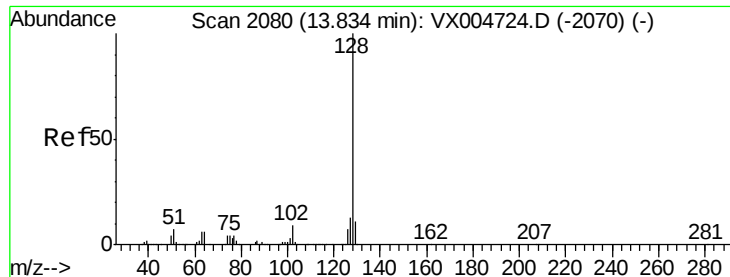
MMDadoda
 10/8/2018 2:02:40 PM



#94
 Hexachlorobutadiene
 Concen: 19.655 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005078.D
 Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.3	93.8
227	63.4	31.9	95.5





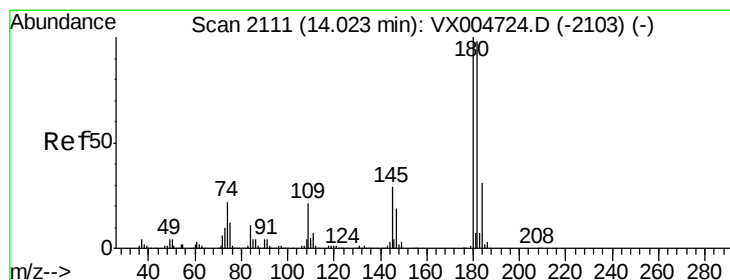
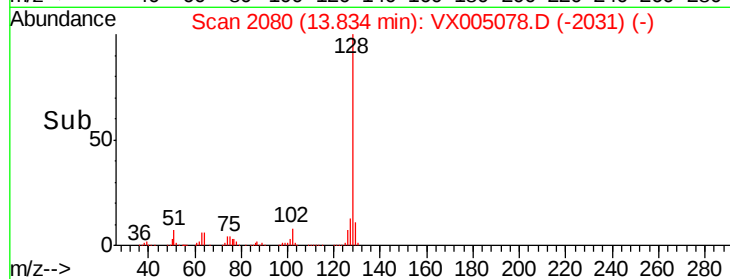
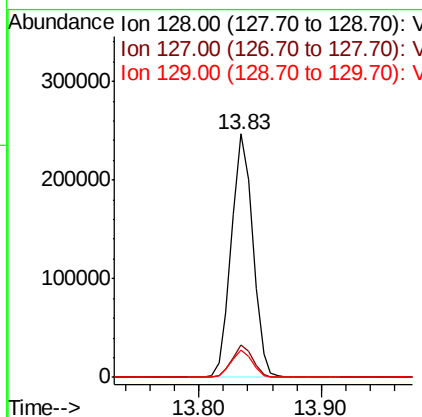
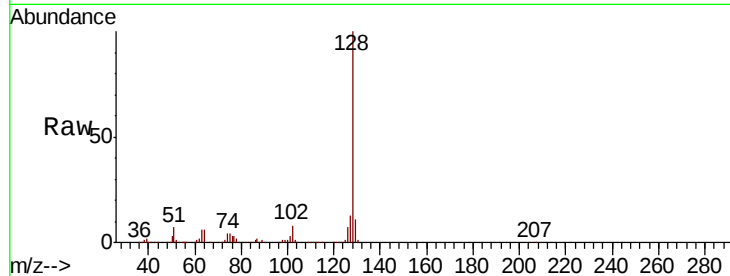
#95
Naphthalene
Concen: 19.545 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.232 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005078.D
Acq: 05 Oct 2018 20:38

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.9	47.9	143.8
145	30.1	15.0	45.0

