

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002261.D
 Acq On : 04 Jun 2018 15:41
 Operator : JC/MD
 Sample : VX0604WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Manual Integrations
 APPROVED

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 6/5/2018 5:56:05 PM

Quant Time: Jun 05 05:11:14 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	304063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	436767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	246536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	201741	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
35) Dibromofluoromethane	5.51	113	152344	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
50) Toluene-d8	8.72	98	599693	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
62) 4-Bromofluorobenzene	11.14	95	222619	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	66466	21.028	ug/l	99
3) Chloromethane	1.33	50	79176	20.147	ug/l	100
4) Vinyl Chloride	1.41	62	80792	20.281	ug/l	99
5) Bromomethane	1.64	94	53456	21.832	ug/l	100
6) Chloroethane	1.73	64	50317	19.526	ug/l	97
7) Trichlorofluoromethane	1.93	101	127394	20.989	ug/l	98
8) Diethyl Ether	2.20	74	45327	19.556	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71083	21.702	ug/l	99
10) Methyl Iodide	2.52	142	66227	14.375	ug/l	98
11) Tert butyl alcohol	3.07	59	93860	92.889	ug/l	98
12) 1,1-Dichloroethene	2.38	96	64240	19.846	ug/l	98
13) Acrolein	2.30	56	44502	97.112	ug/l	99
14) Allyl chloride	2.73	41	130999	18.648	ug/l	100
15) Acrylonitrile	3.15	53	193157	98.508	ug/l	100
16) Acetone	2.45	43	200796	95.532	ug/l	100
17) Carbon Disulfide	2.57	76	159796	18.730	ug/l	99
18) Methyl Acetate	2.78	43	91811	19.427	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	235242	19.407	ug/l	97
20) Methylene Chloride	2.86	84	72318	19.340	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	68078	19.072	ug/l	98
22) Diisopropyl ether	3.88	45	248412	20.284	ug/l	98
23) Vinyl Acetate	3.83	43	1086822	95.437	ug/l	99
24) 1,1-Dichloroethane	3.70	63	132649	19.106	ug/l	98
25) 2-Butanone	4.71	43	271200	90.966	ug/l	99
26) 2,2-Dichloropropane	4.59	77	100588	18.534	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	70887	18.260	ug/l	96
28) Bromochloromethane	5.03	49	65064	19.891	ug/l	99
29) Tetrahydrofuran	5.17	42	175344	91.222	ug/l	99
30) Chloroform	5.22	83	123757	18.472	ug/l	97
31) Cyclohexane	5.58	56	112908	20.566	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	110049	19.369	ug/l	99
36) 1,1-Dichloropropene	5.81	75	92069	20.051	ug/l	99
37) Ethyl Acetate	4.87	43	106129	19.219	ug/l	99
38) Carbon Tetrachloride	5.79	117	96137	20.014	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	113445	20.156	ug/l	98
40) Benzene	6.15	78	276501	19.639	ug/l	100
41) Methacrylonitrile	5.07	41	59485	18.818	ug/l	100
42) 1,2-Dichloroethane	6.20	62	108156	19.336	ug/l	100
43) Isopropyl Acetate	6.47	43	173531	18.502	ug/l	100
44) Trichloroethene	7.22	130	78297	20.038	ug/l	97
45) 1,2-Dichloropropane	7.52	63	71122	18.712	ug/l	100
46) Dibromomethane	7.67	93	48072	18.657	ug/l	100
47) Bromodichloromethane	7.90	83	86074	18.471	ug/l	98
48) Methyl methacrylate	7.78	41	89675	19.034	ug/l	99
49) 1,4-Dioxane	7.76	88	34965	396.928	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	555637	95.130	ug/l	100
52) Toluene	8.79	92	178011	19.880	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	105718	18.918	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	97910	18.571	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	69562	18.888	ug/l	99
56) Ethyl methacrylate	9.18	69	109383	18.603	ug/l	99
57) 1,3-Dichloropropane	9.38	76	117368	18.996	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	260078	95.568	ug/l	100
59) 2-Hexanone	9.50	43	434121	96.226	ug/l	100
60) Dibromochloromethane	9.59	129	67532	18.230	ug/l	99
61) 1,2-Dibromoethane	9.68	107	72980	19.005	ug/l	99
64) Tetrachloroethene	9.34	164	87175	20.564	ug/l	99
65) Chlorobenzene	10.14	112	201265	19.678	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	70691	19.088	ug/l	100
67) Ethyl Benzene	10.26	91	347994	20.331	ug/l	99
68) m/p-Xylenes	10.37	106	265310	39.875	ug/l	100
69) o-Xylene	10.70	106	130924	19.773	ug/l	99
70) Styrene	10.72	104	211639	19.552	ug/l	99
71) Bromoform	10.86	173	50919	17.748	ug/l #	100
73) Isopropylbenzene	11.02	105	353645	20.620	ug/l	100
74) N-amyl acetate	6.47	43	173531	18.778	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	100409	18.615	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	104421m	19.303	ug/l	
77) Bromobenzene	11.26	156	93629	19.446	ug/l	100
78) n-propylbenzene	11.37	91	399488	20.957	ug/l	100
79) 2-Chlorotoluene	11.43	91	237135	19.701	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	297333	20.213	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	26820	17.379	ug/l	93
82) 4-Chlorotoluene	11.51	91	276263	19.885	ug/l	99
83) tert-Butylbenzene	11.77	119	289803	20.231	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	306000	20.208	ug/l	100
85) sec-Butylbenzene	11.95	105	356651	21.238	ug/l	99
86) p-Isopropyltoluene	12.07	119	320396	20.946	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	166745	19.369	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	172027	19.386	ug/l	99
89) n-Butylbenzene	12.39	91	270261	21.067	ug/l	100
90) Hexachloroethane	12.60	117	45562	18.660	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	172602	19.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	22433	19.018	ug/l	98

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MSVOA_X
ClientSampleId :
VX0604WBS01

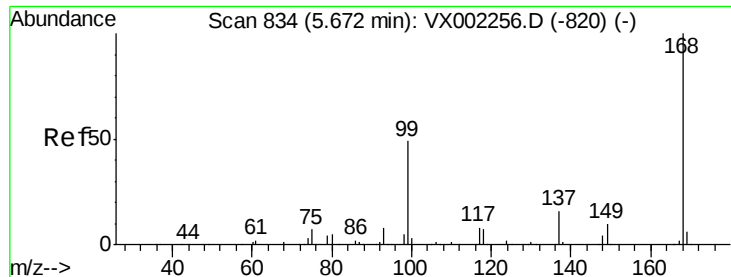
Manual Integrations
APPROVED

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6/5/2018 5:56:05 PM

Quant Time: Jun 05 05:11:14 2018
Quant Method : Y:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122295	19.581	ug/l	100
94) Hexachlorobutadiene	13.79	225	66043	21.399	ug/l	99
95) Naphthalene	13.84	128	354364	19.747	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	127194	19.969	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion:168 Resp: 304063

Ion Ratio Lower Upper

168 100

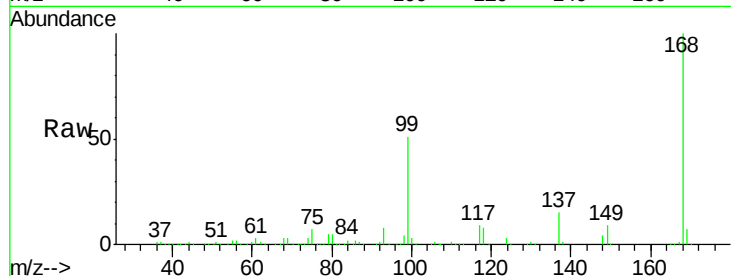
99 50.5 39.3 58.9

Manual Integrations

APPROVED

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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

120000

100000

80000

60000

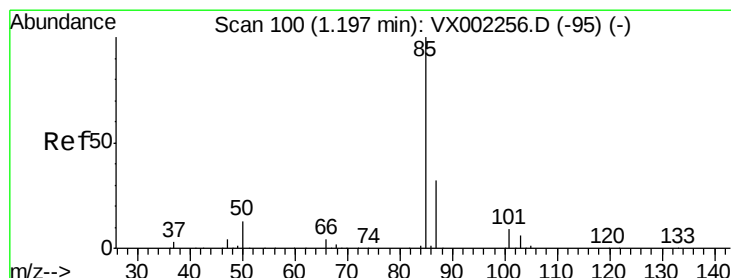
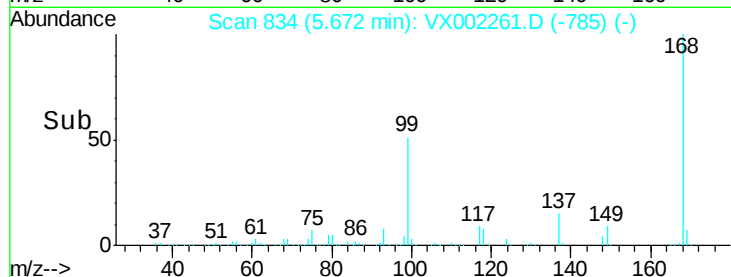
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 21.028 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002261.D

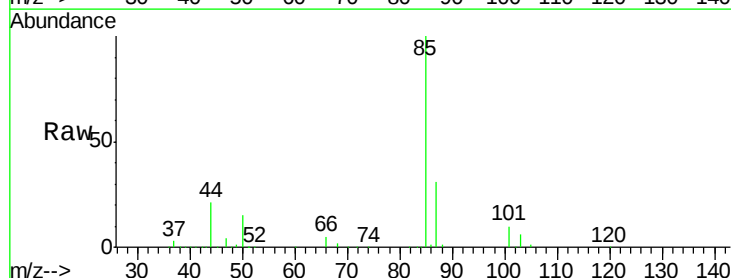
Acq: 04 Jun 2018 15:41

Tgt Ion: 85 Resp: 66466

Ion Ratio Lower Upper

85 100

87 31.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

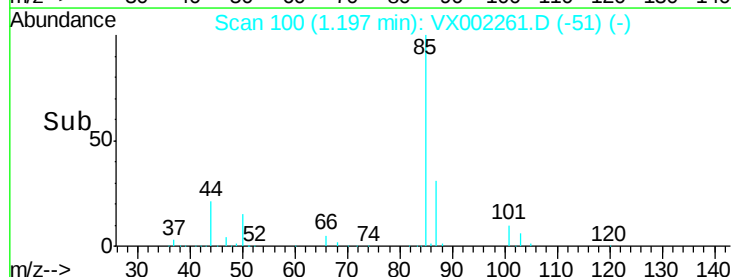
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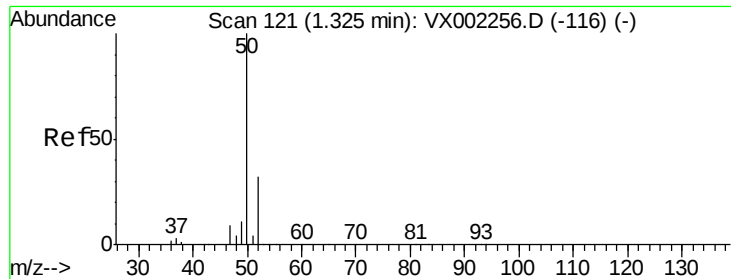
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.147 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 50 Resp: 79176

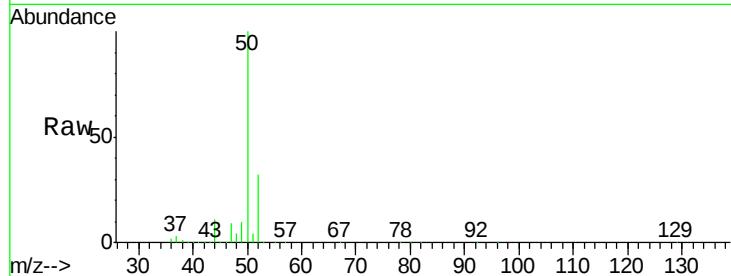
Ion Ratio Lower Upper

50 100

52 32.1 25.7 38.5

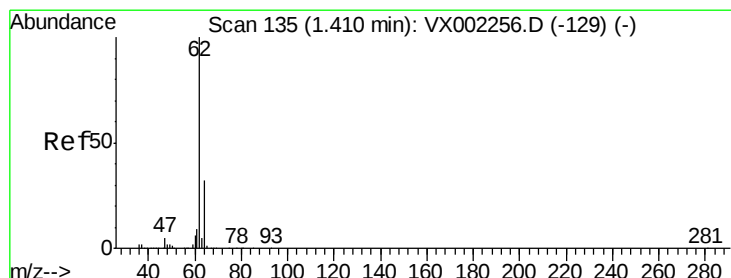
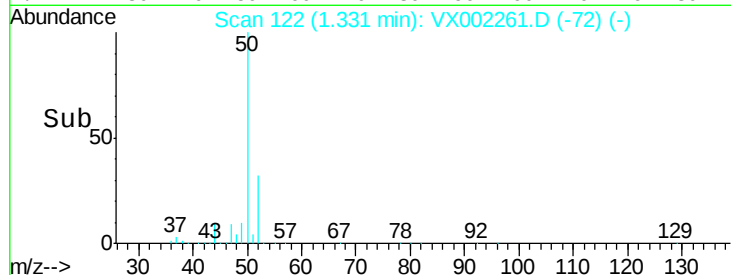
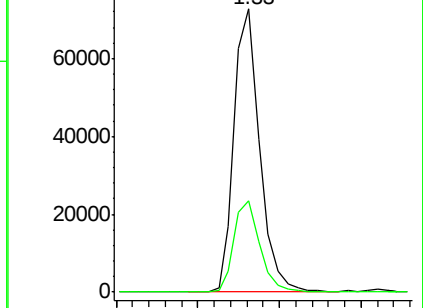
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.281 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002261.D

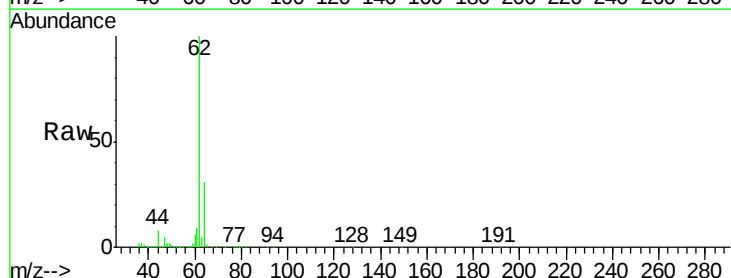
Acq: 04 Jun 2018 15:41

Tgt Ion: 62 Resp: 80792

Ion Ratio Lower Upper

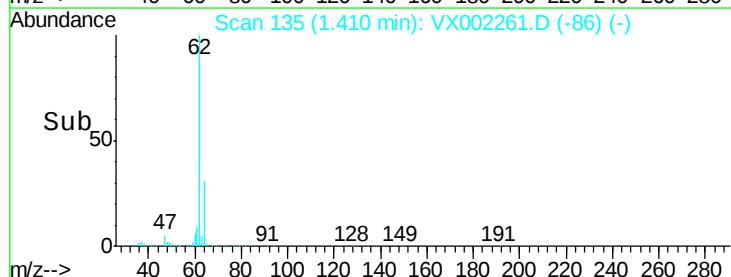
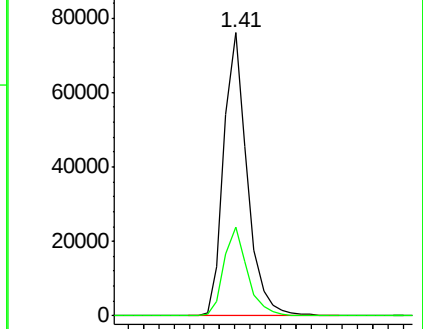
62 100

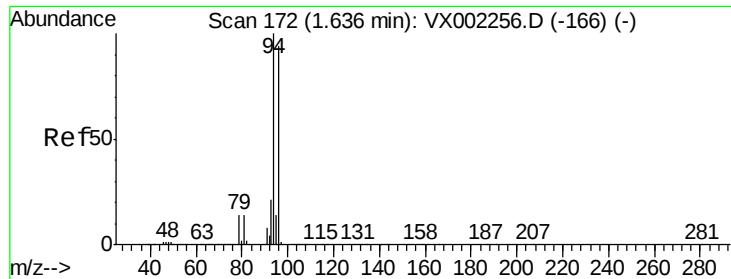
64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.832 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 94 Resp: 53456

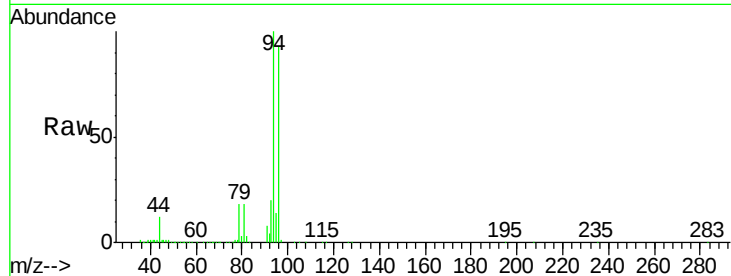
Ion Ratio Lower Upper

94 100

96 93.2 74.9 112.3

Manual Integrations
APPROVED

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6/5/2018 5:56:05 PM

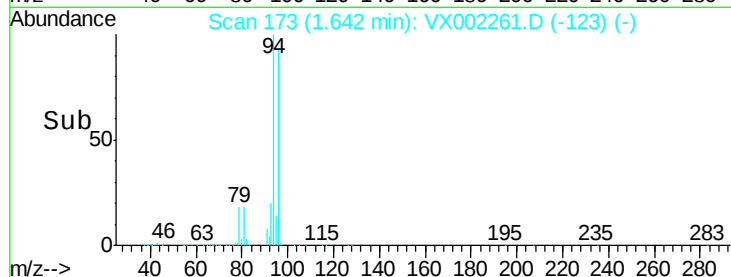


Abundance Ion 93.90 (93.60 to 94.60): VX0

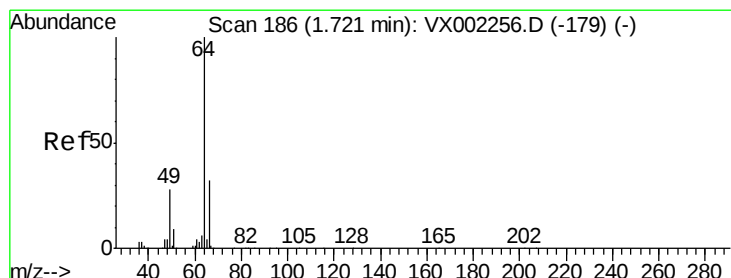
Ion 95.90 (95.60 to 96.60): VX0

1.64

Time-->



Time-->



#6

Chloroethane

Concen: 19.526 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002261.D

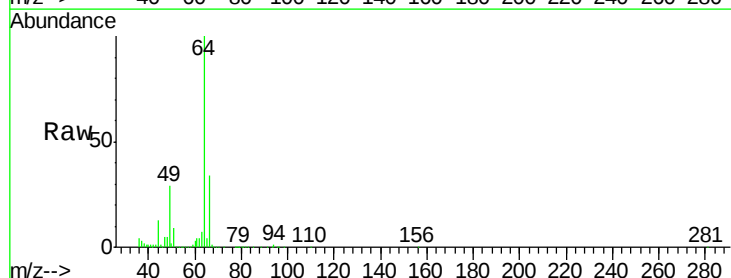
Acq: 04 Jun 2018 15:41

Tgt Ion: 64 Resp: 50317

Ion Ratio Lower Upper

64 100

66 33.7 25.5 38.3

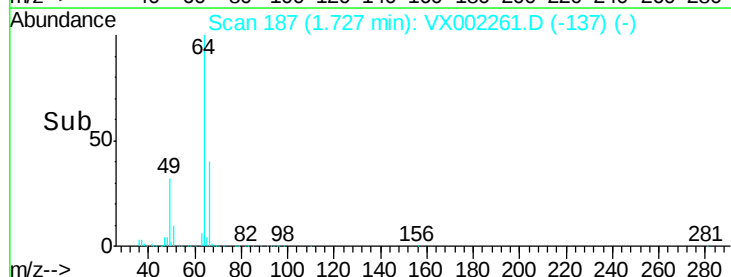


Abundance Ion 63.90 (63.60 to 64.60): VX0

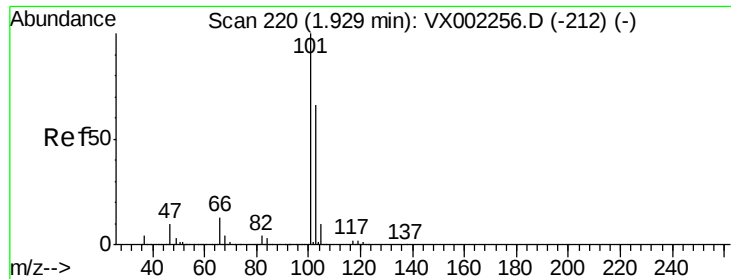
Ion 65.90 (65.60 to 66.60): VX0

1.73

Time-->



Time-->



#7

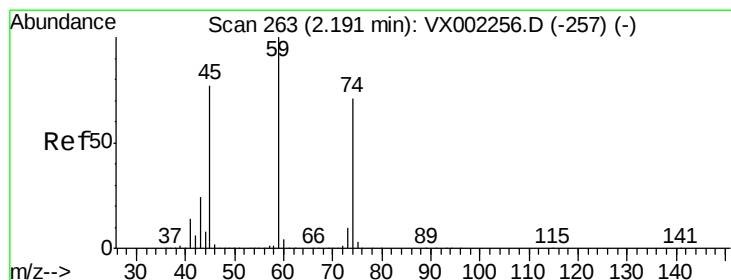
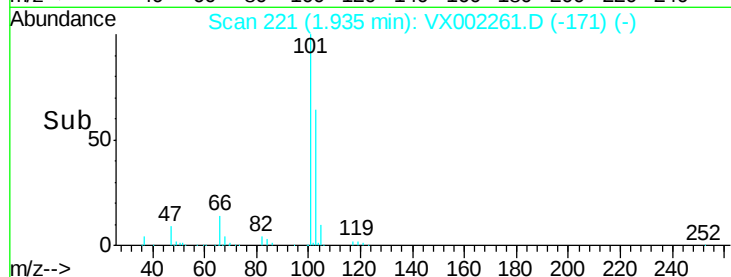
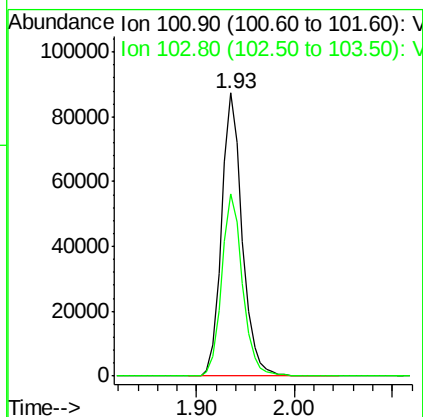
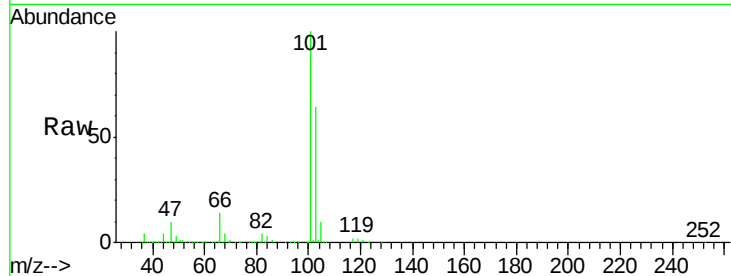
Trichlorofluoromethane
Concen: 20.989 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.8	79.2

Manual Integrations
APPROVED

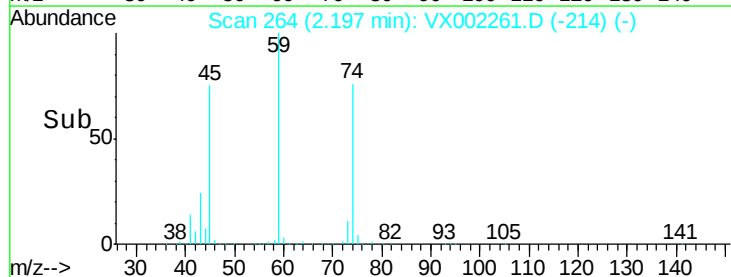
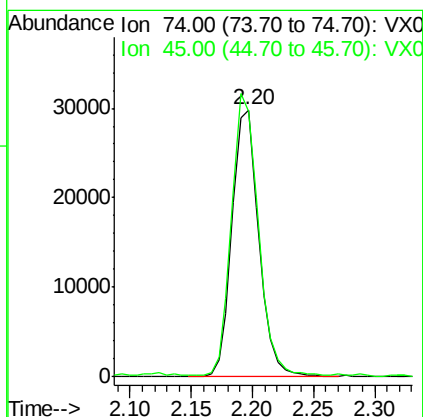
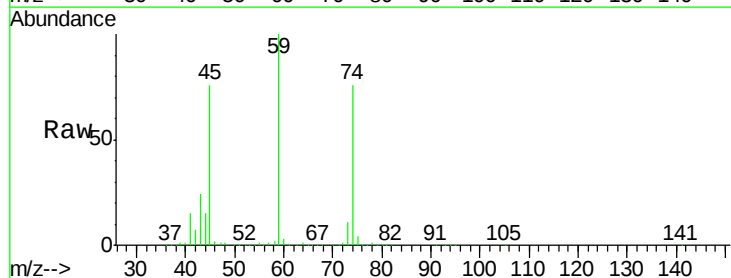
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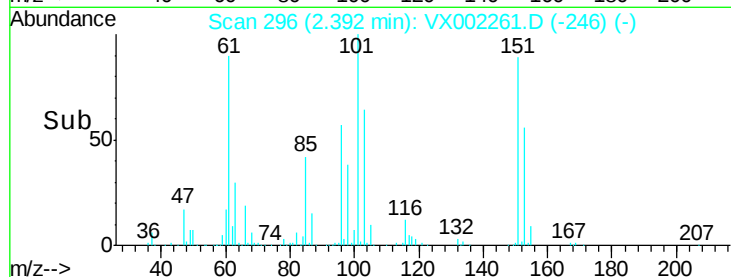
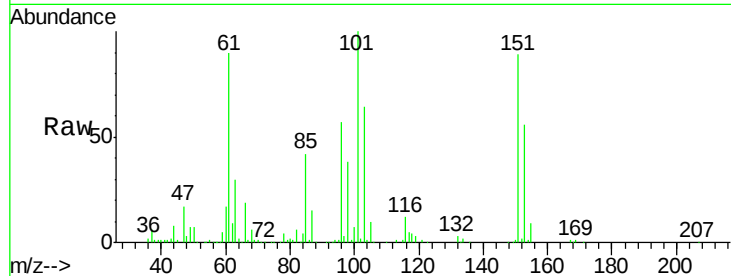
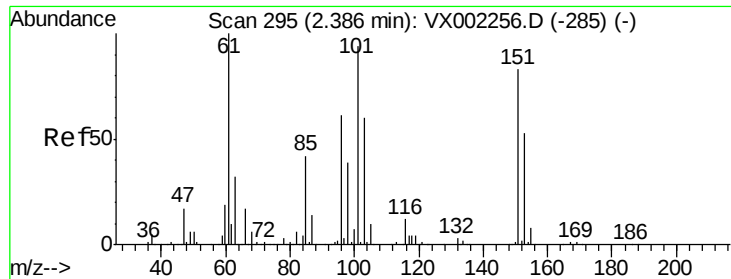


#8

Diethyl Ether
Concen: 19.556 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	53.1	159.4





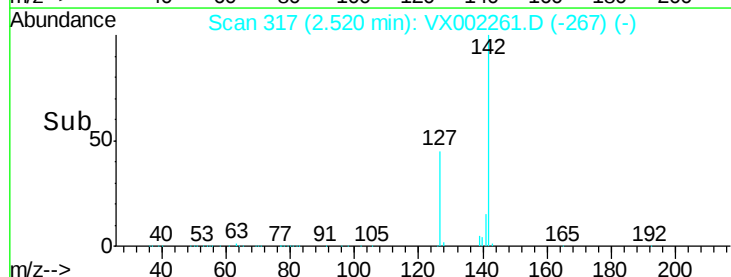
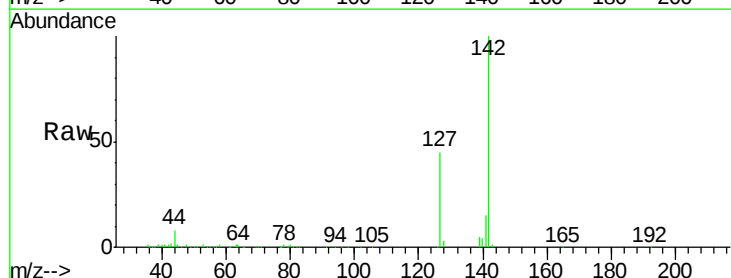
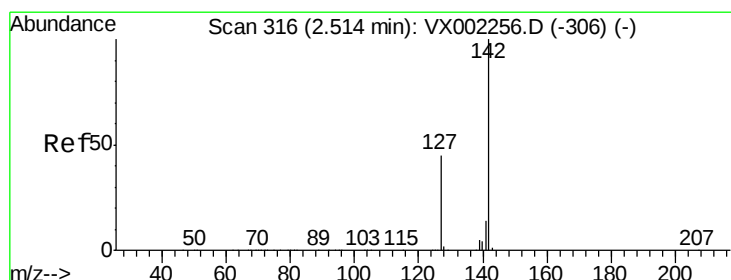
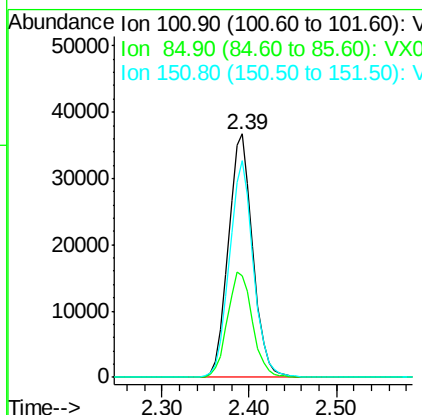
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.702 ug/l
RT: 2.39 min Scan# 296
Delta R.T. 0.01 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.0	54.0
151	87.6	70.9	106.3

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

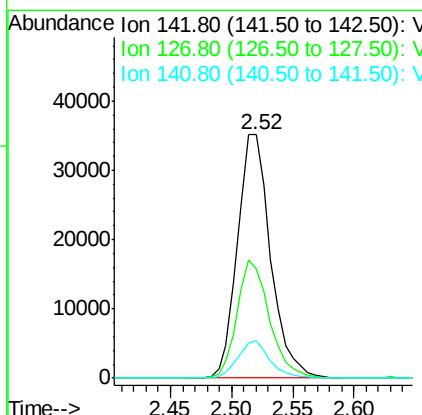
Manual Integrations
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#10
Methyl Iodide
Concen: 14.375 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.6	36.6	55.0
141	14.7	11.3	16.9





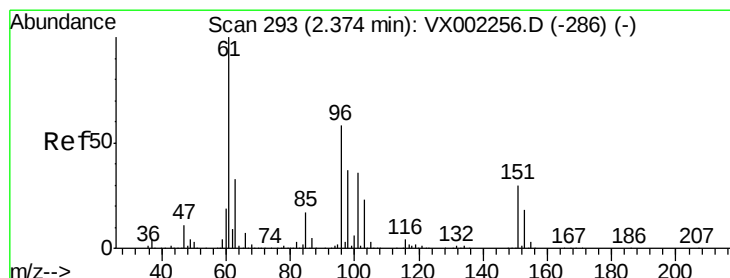
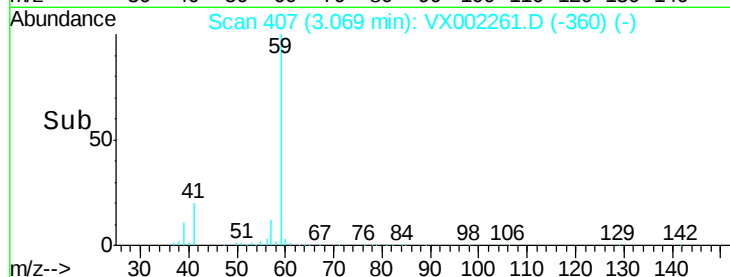
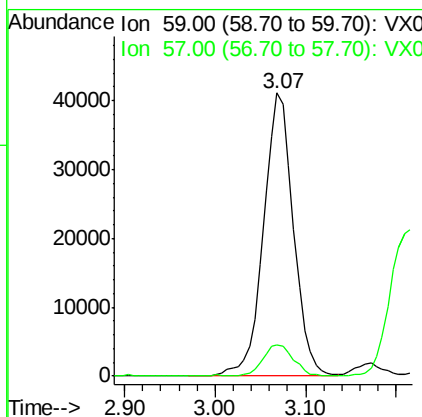
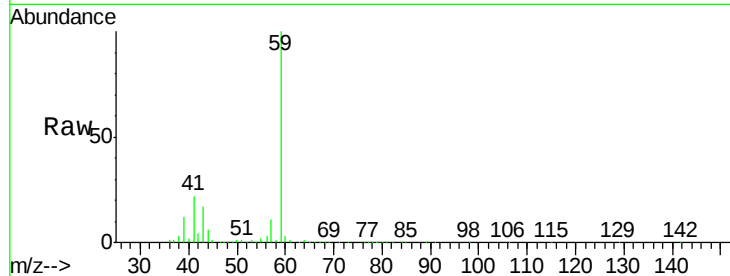
#11
Tert butyl alcohol
Concen: 92.889 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion: 59 Resp: 93860
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.2

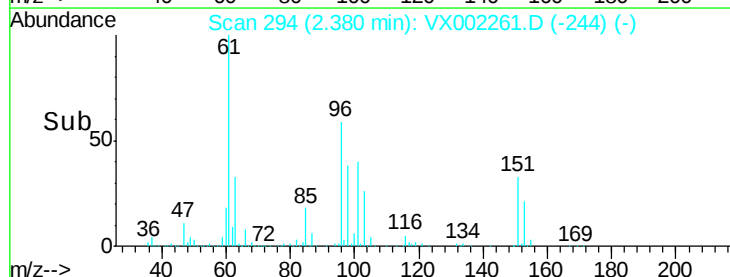
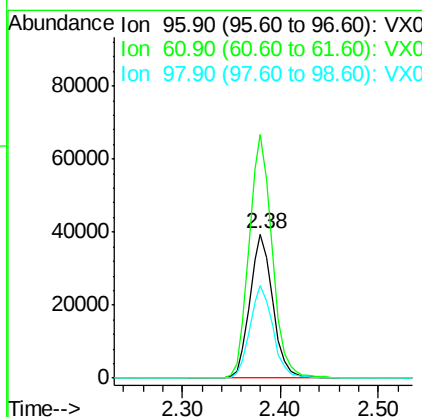
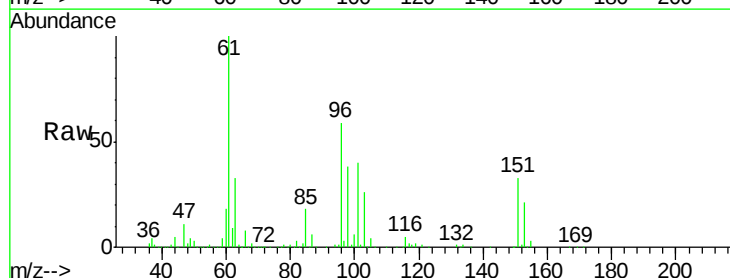
Manual Integrations
APPROVED

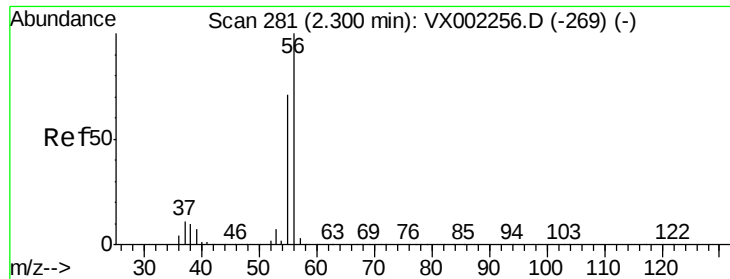
MMDadoda
6/5/2018 5:56:05 PM



#12
1,1-Dichloroethene
Concen: 19.846 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion: 96 Resp: 64240
Ion Ratio Lower Upper
96 100
61 169.2 137.9 206.9
98 64.1 51.6 77.4





#13

Acrolein

Concen: 97.112 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 56 Resp: 44502

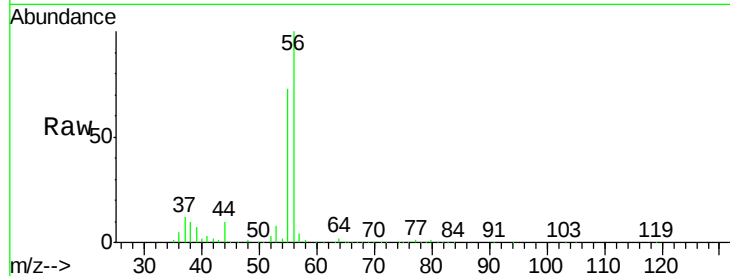
Ion Ratio Lower Upper

56 100

55 71.9 57.0 85.4

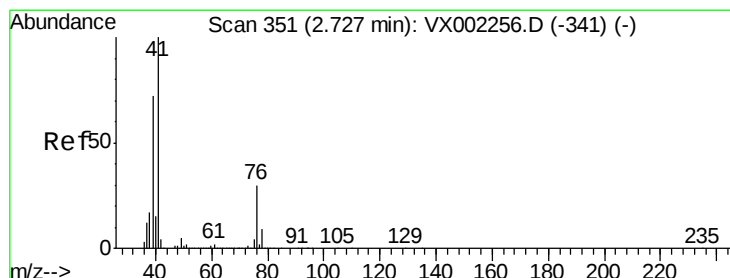
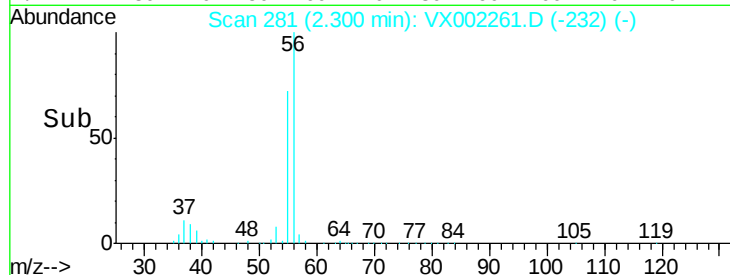
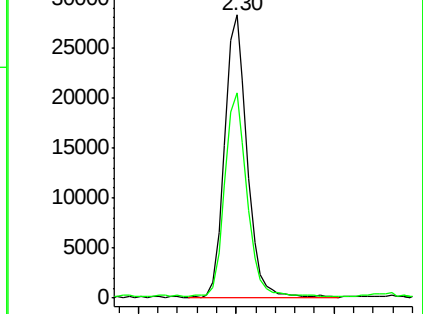
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.648 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

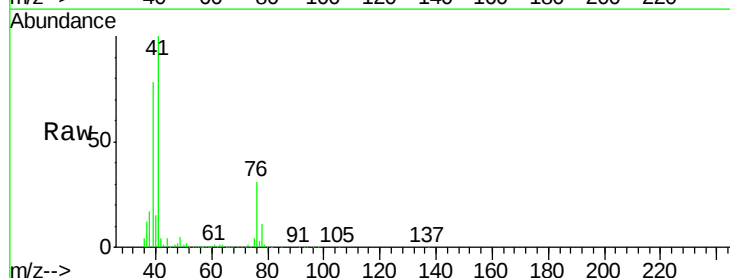
Tgt Ion: 41 Resp: 130999

Ion Ratio Lower Upper

41 100

39 70.4 56.8 85.2

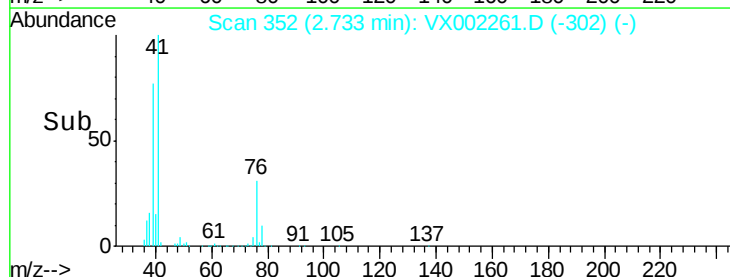
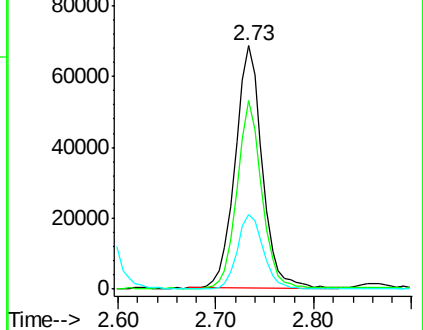
76 29.8 23.8 35.8

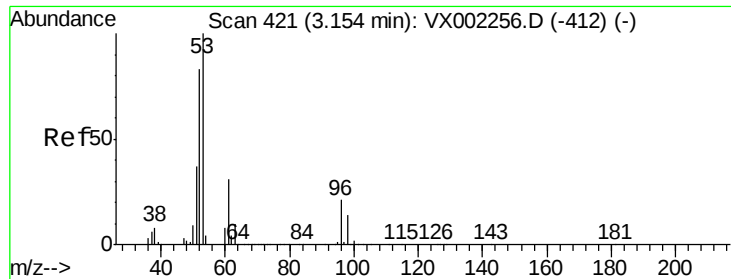


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 98.508 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

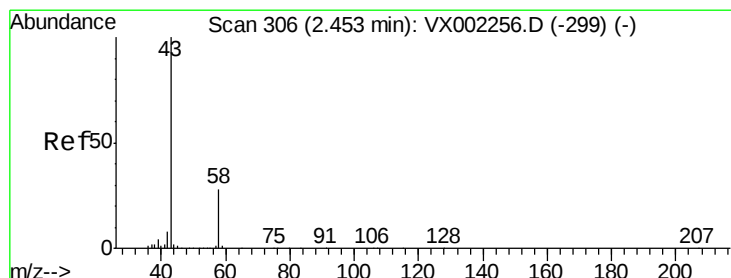
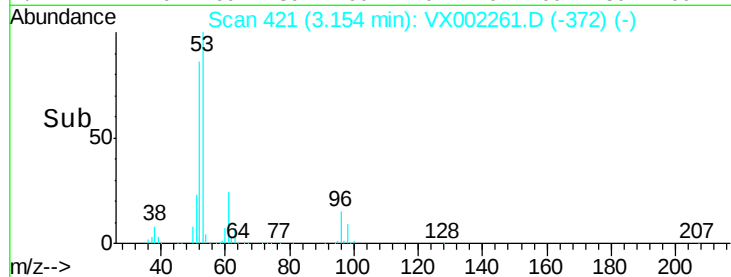
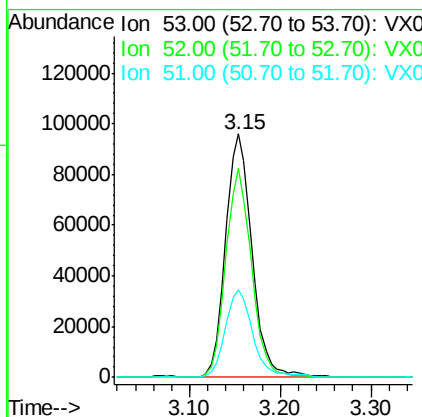
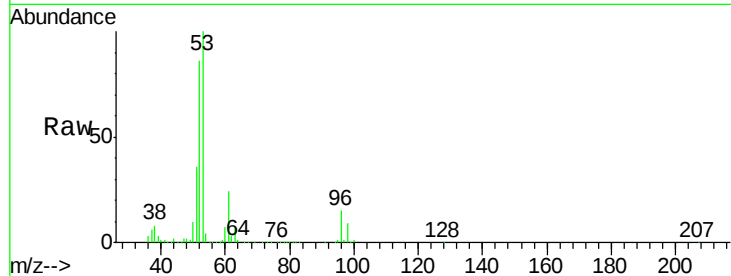
ClientSampleId :

VX0604WBS01

Tot Ion:	53	Resp:	193157
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.7	100.1
51	37.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 95.532 ug/l

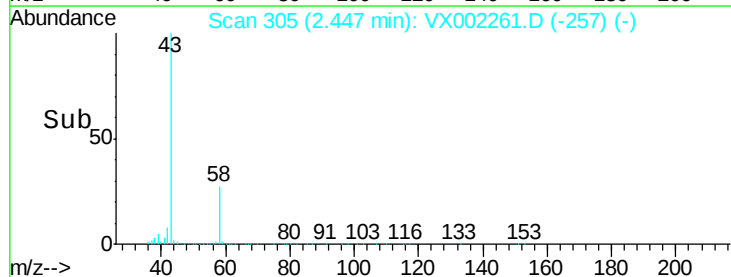
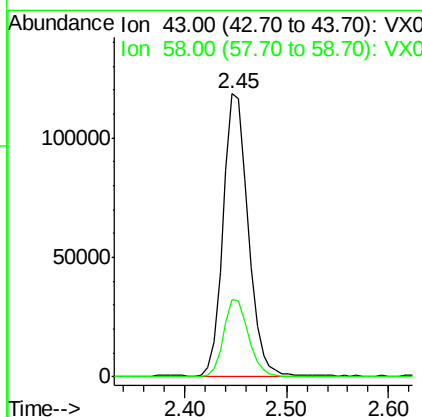
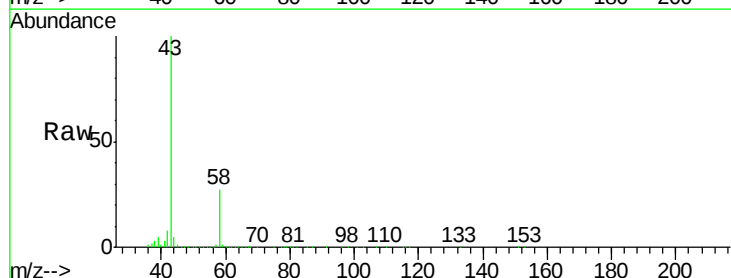
RT: 2.45 min Scan# 305

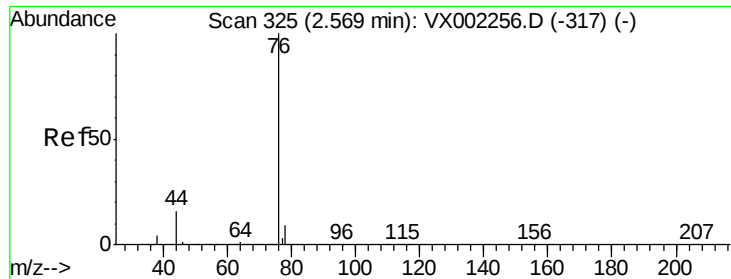
Delta R.T. -0.01 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion:	43	Resp:	200796
Ion Ratio	Lower	Upper	
43	100		
58	27.4	22.1	33.1





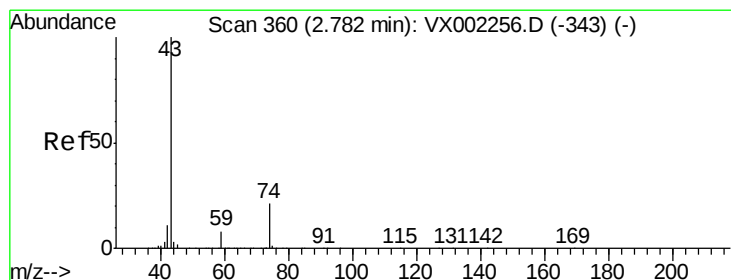
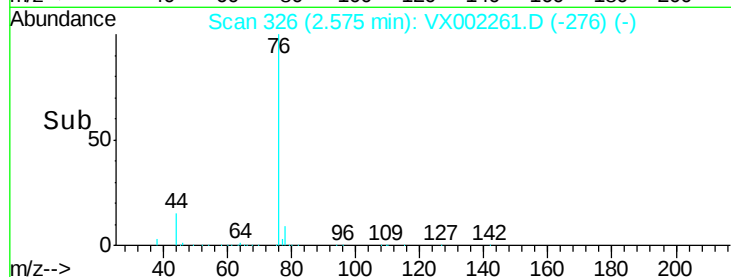
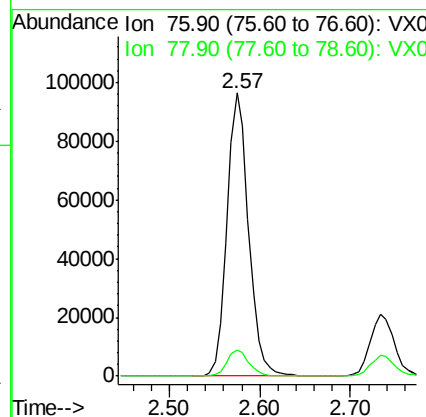
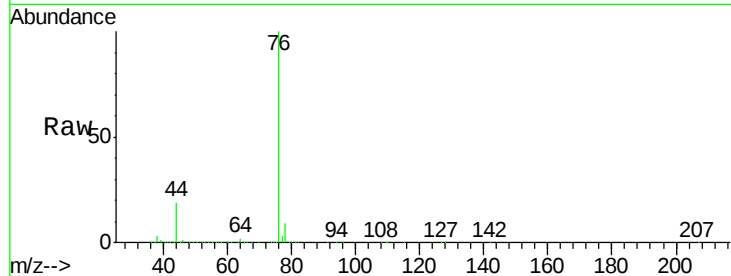
#17
Carbon Disulfide
Concen: 18.730 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	159796		
78	8.9		6.9	10.3

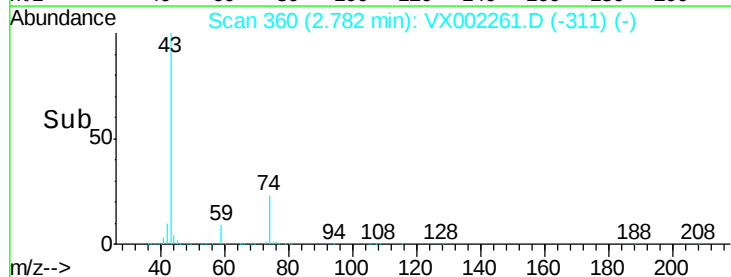
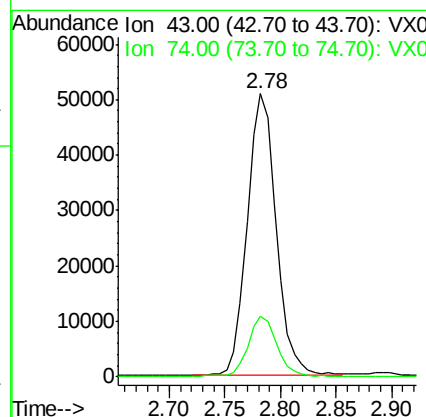
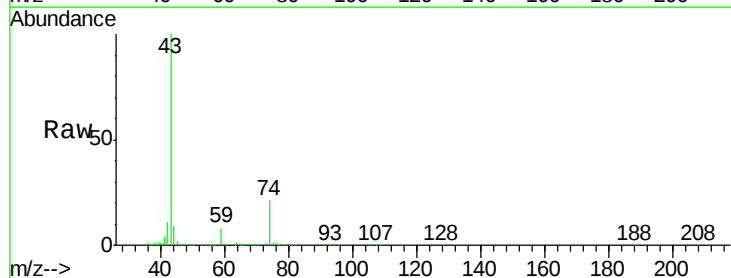
Manual Integrations
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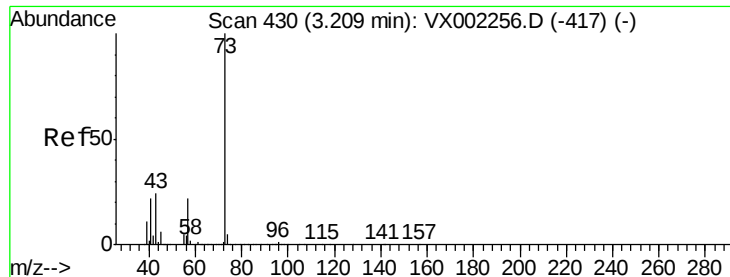
MMDadoda
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#18
Methyl Acetate
Concen: 19.427 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	91811		
74	22.2		16.7	25.1





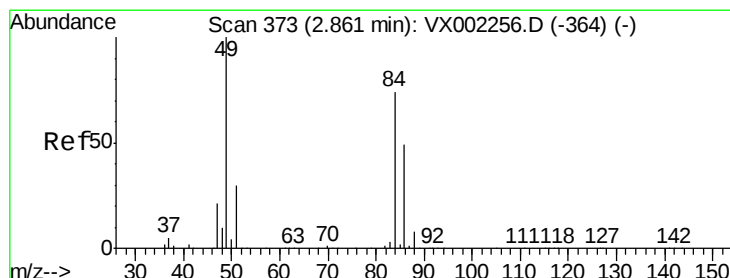
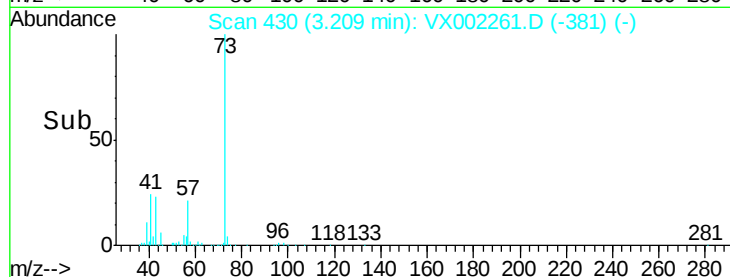
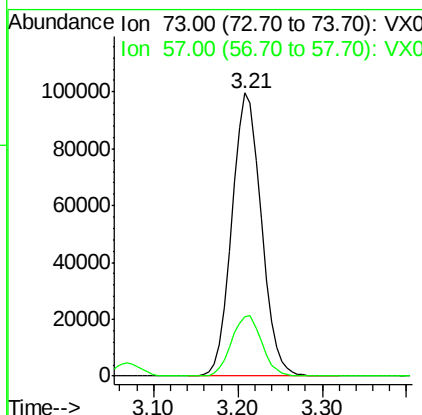
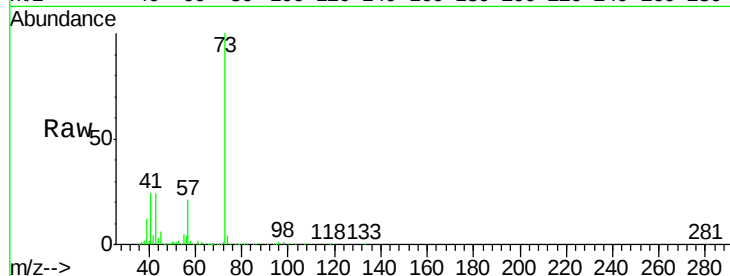
#19
Methvl tert-butvl Ether
Concen: 19.407 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion: 73 Resp: 235242
Ion Ratio Lower Upper
73 100
57 20.7 17.7 26.5

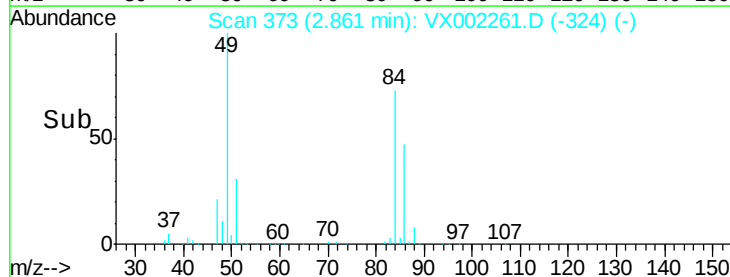
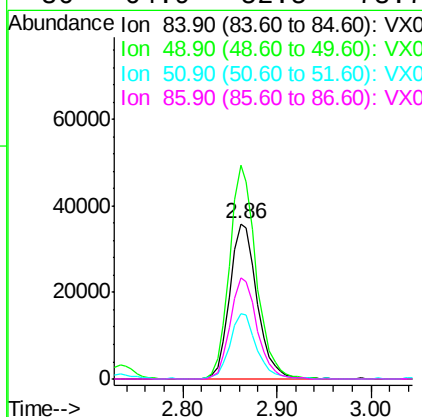
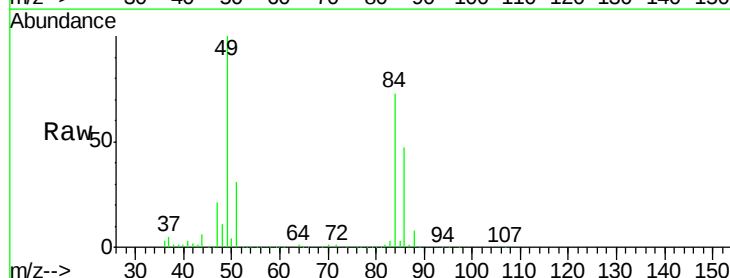
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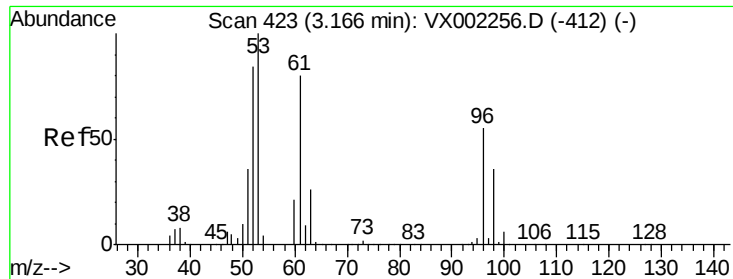
MMDadoda
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#20
Methylene Chloride
Concen: 19.340 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion: 84 Resp: 72318
Ion Ratio Lower Upper
84 100
49 137.6 107.8 161.6
51 42.2 32.8 49.2
86 64.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.072 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 96 Resp: 68078

Ion Ratio Lower Upper

96 100

61 143.5 117.0 175.4

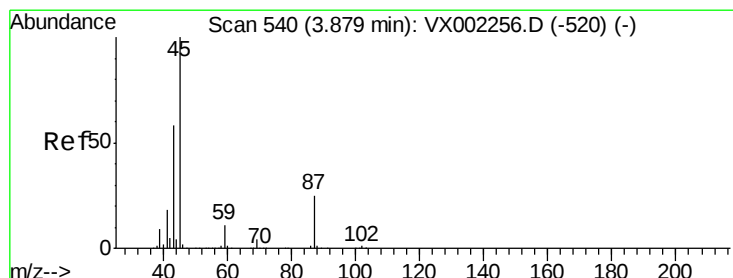
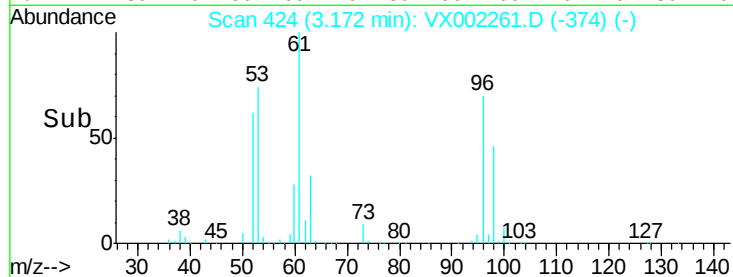
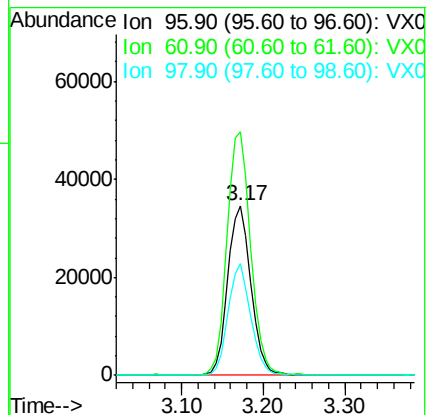
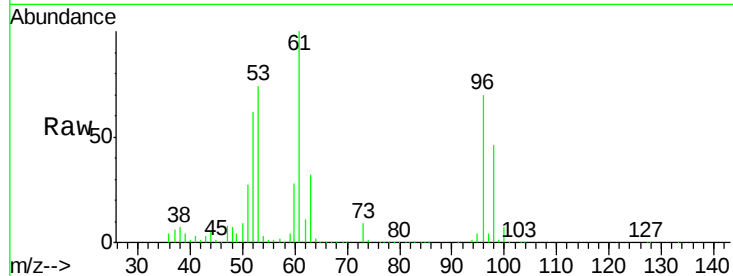
98 65.8 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.284 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion: 45 Resp: 248412

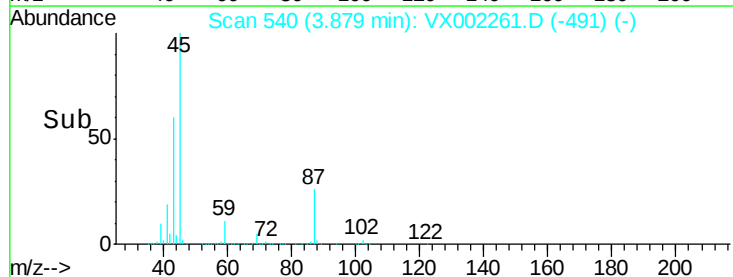
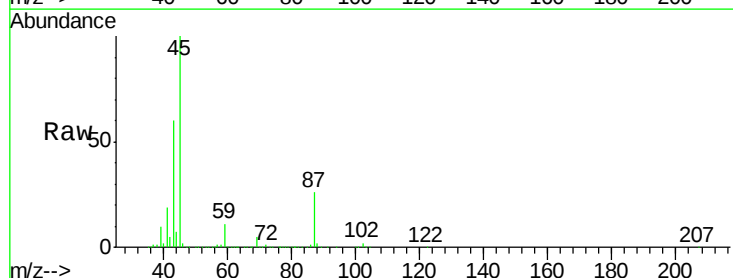
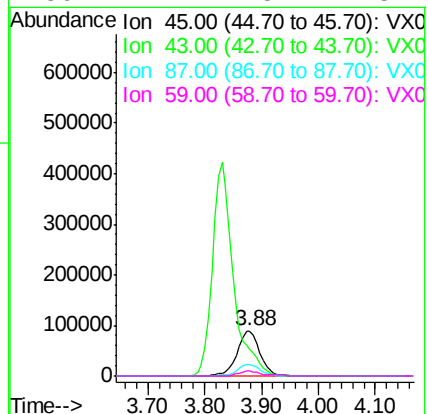
Ion Ratio Lower Upper

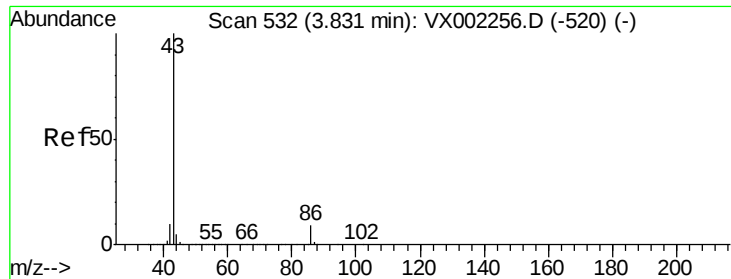
45 100

43 59.9 46.8 70.2

87 26.5 20.2 30.4

59 11.1 8.7 13.1





#23

Vinyl Acetate

Concen: 95.437 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 43 Resp: 1086822

Ion Ratio Lower Upper

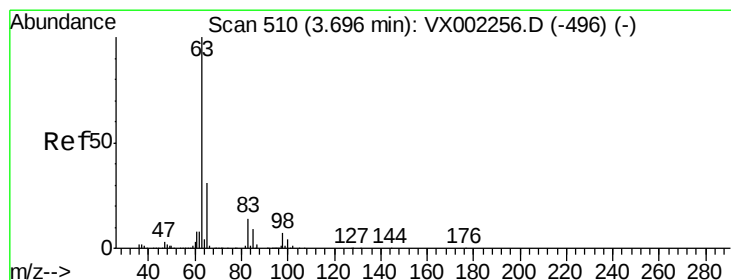
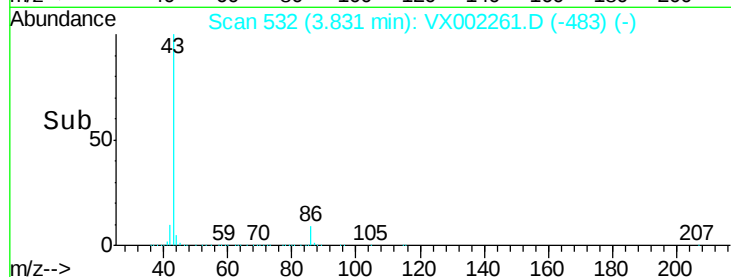
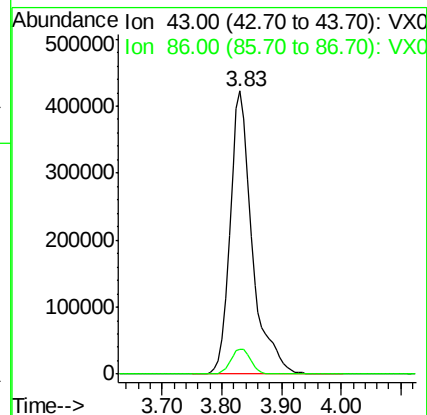
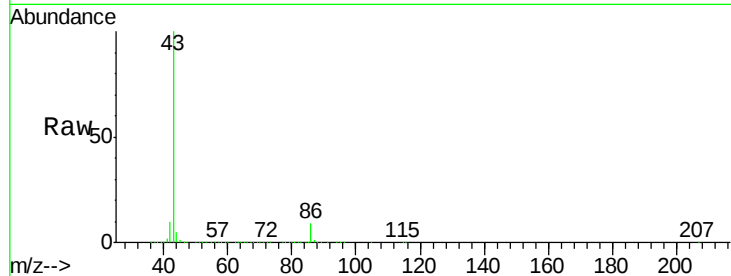
43 100

86 9.0 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 19.106 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

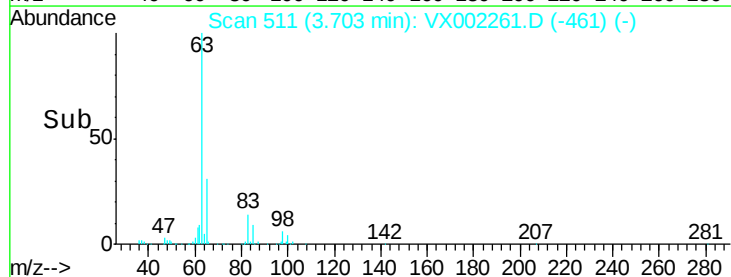
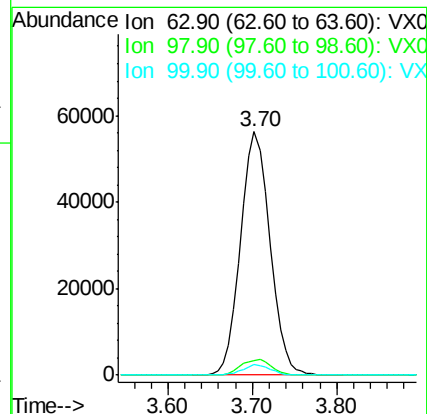
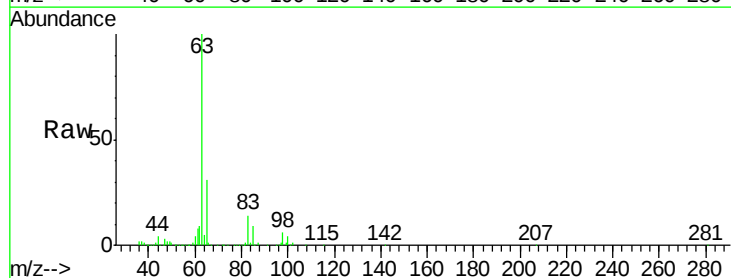
Tgt Ion: 63 Resp: 132649

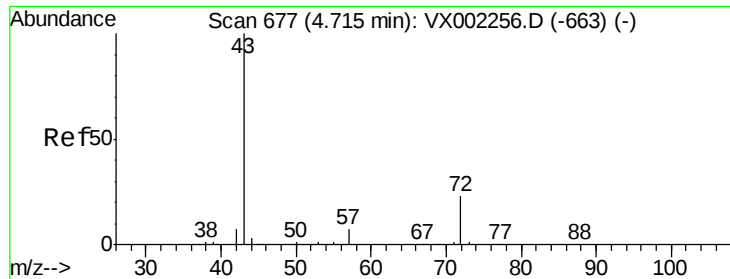
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 90.966 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion: 43 Resp: 271200

Ion Ratio Lower Upper

43 100

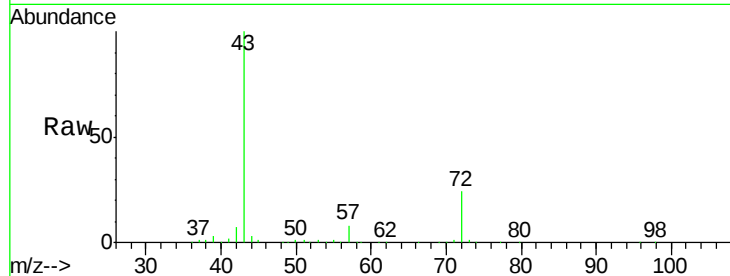
72 23.7 18.5 27.7

Manual Integrations

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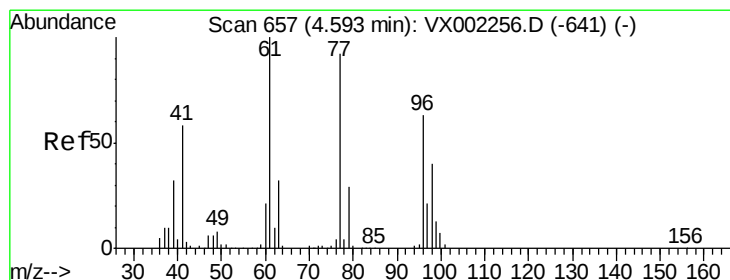
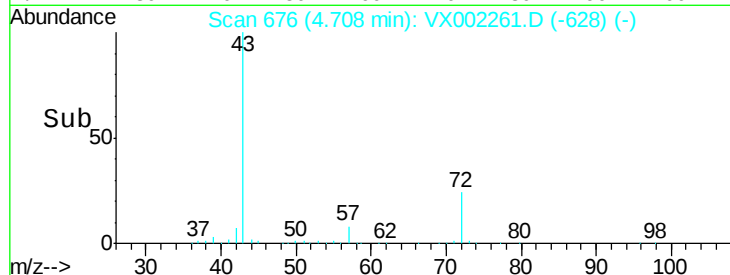
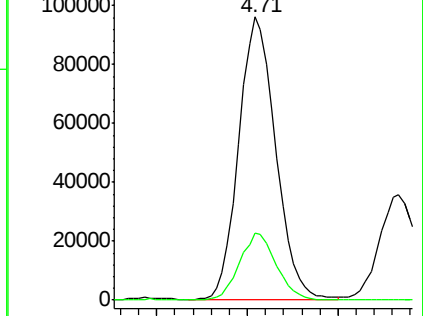
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.534 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX002261.D

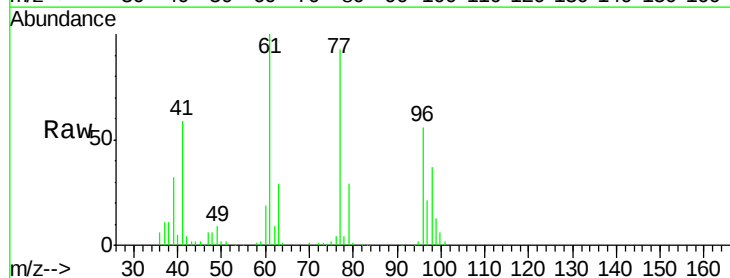
Acq: 04 Jun 2018 15:41

Tgt Ion: 77 Resp: 100588

Ion Ratio Lower Upper

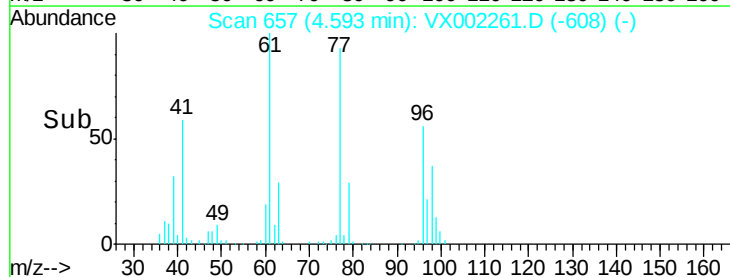
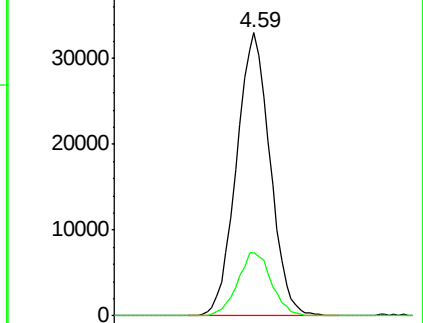
77 100

97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

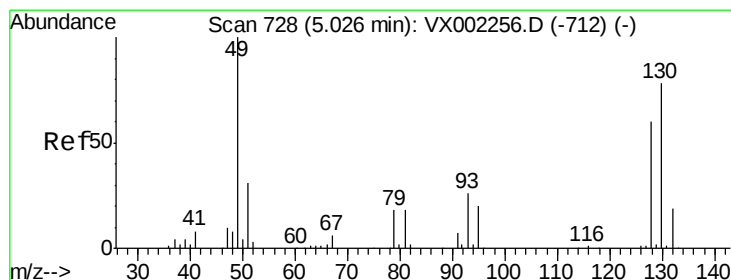
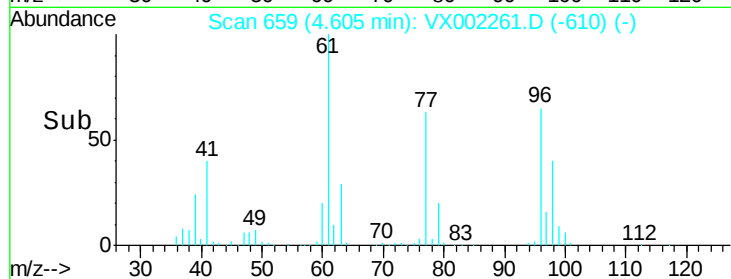
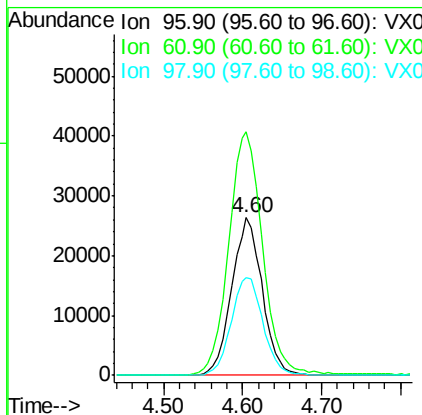
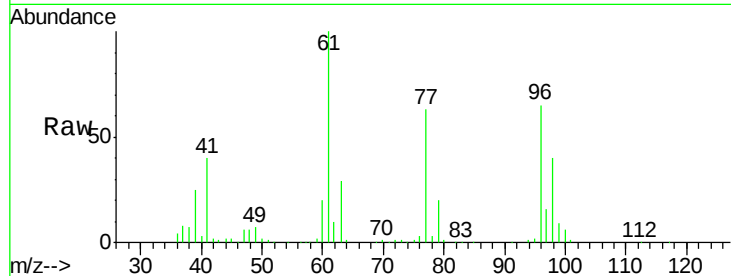
cis-1,2-Dichloroethene
Concen: 18.260 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.9	0.0	330.2
98	64.6	0.0	130.2

Manual Integrations
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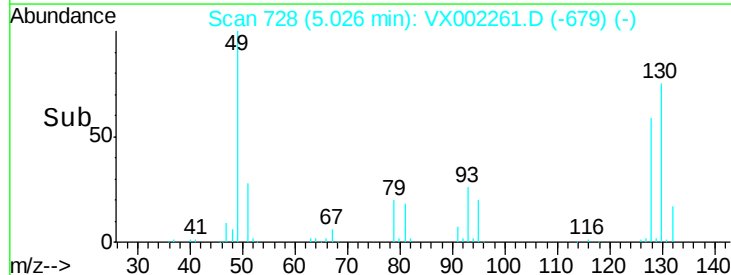
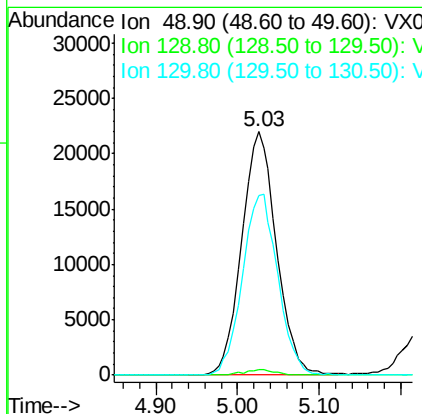
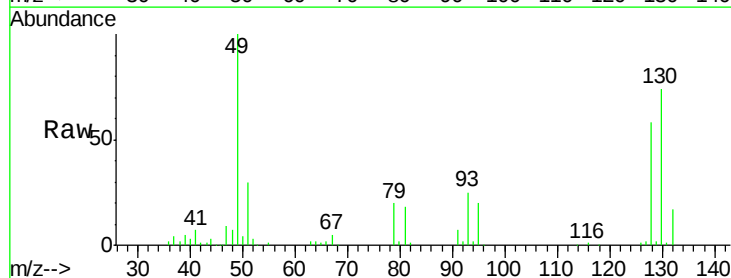
MMDadoda
6/5/2018 5:56:05 PM

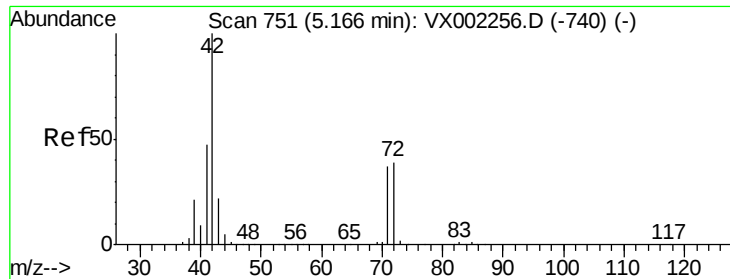


#28

Bromochloromethane
Concen: 19.891 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	75.7	61.2	91.8





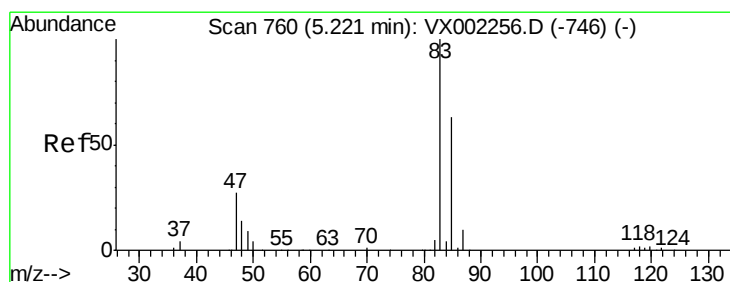
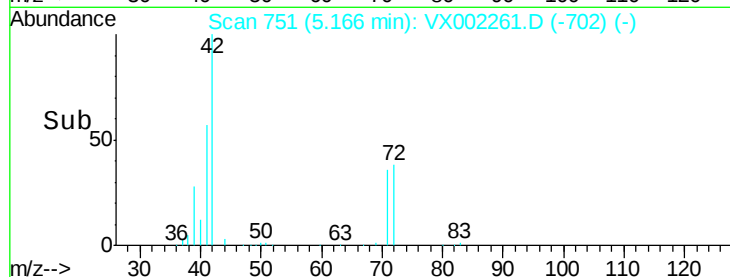
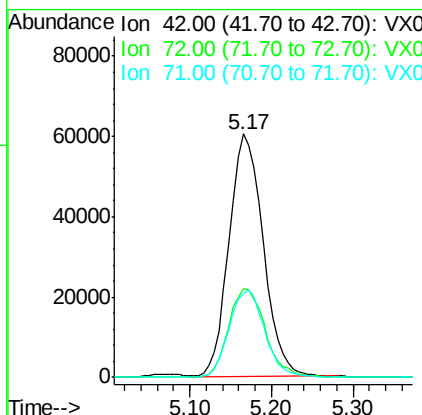
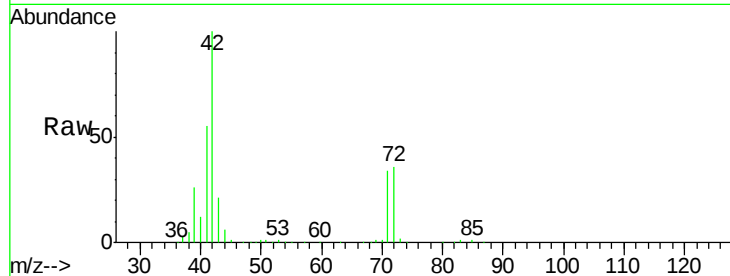
#29
Tetrahydrofuran
Concen: 91.222 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.0	48.0
71	37.4	30.1	45.1

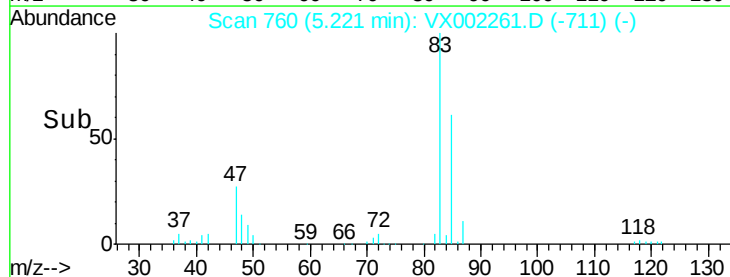
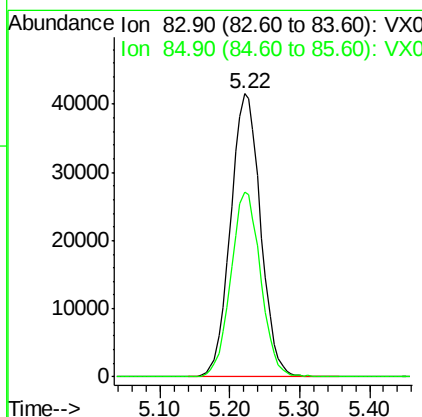
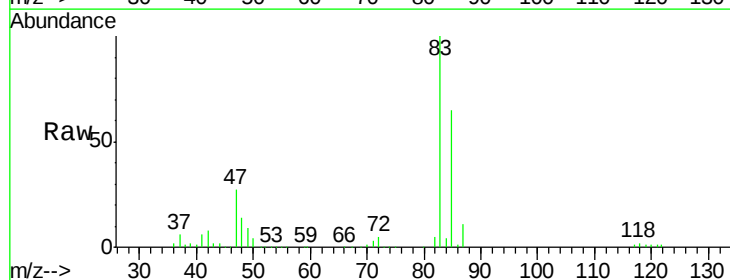
Manual Integrations
APPROVED

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#30
Chloroform
Concen: 18.472 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.4	75.6





#31

Cyclohexane

Concen: 20.566 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

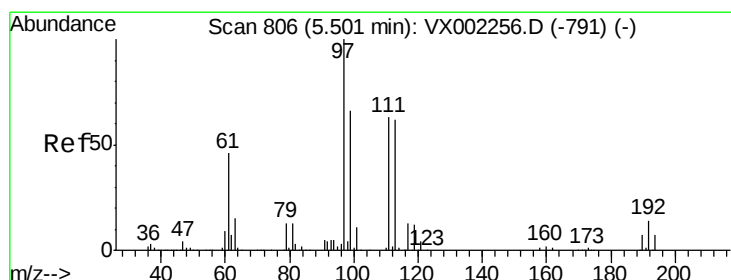
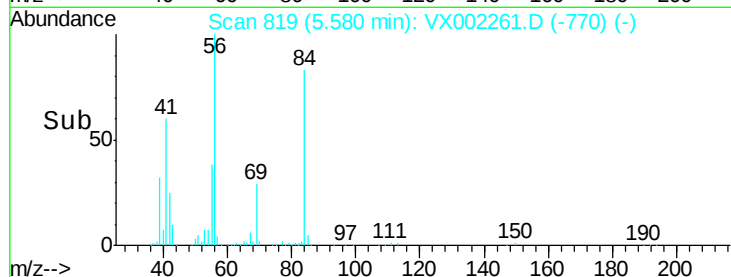
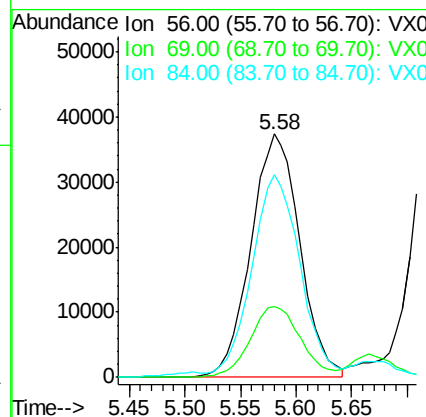
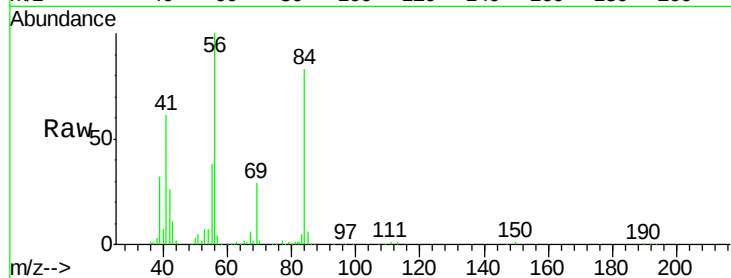
ClientSampleId :

VX0604WBS01

Tot Ion:	56	Resp:	112908
Ion Ratio	Lower	Upper	
56	100		
69	29.1	23.7	35.5
84	81.1	64.1	96.1

Manual Integrations
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6/5/2018 5:56:05 PM



#32

1,1,1-Trichloroethane

Concen: 19.369 ug/l

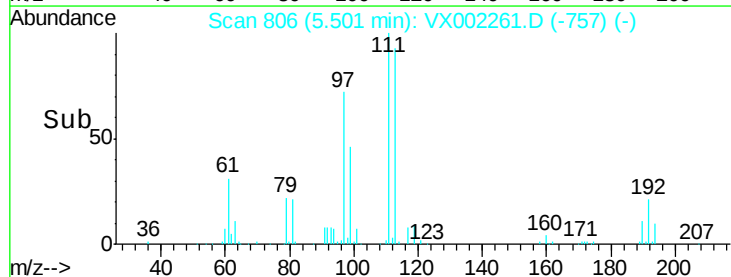
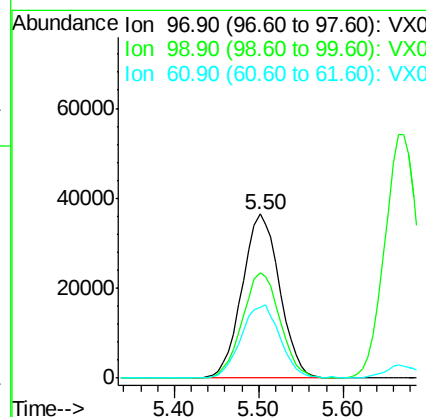
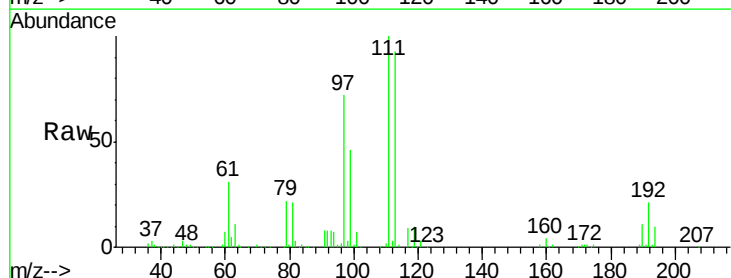
RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion:	97	Resp:	110049
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.6	77.4
61	46.3	36.4	54.6





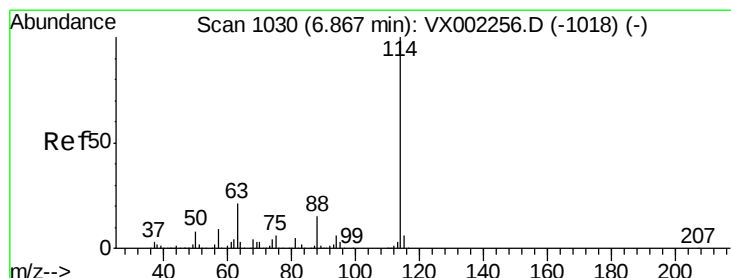
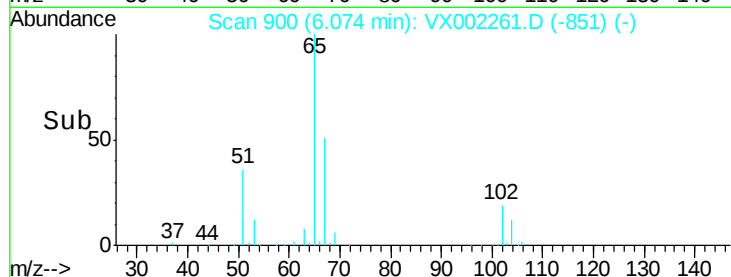
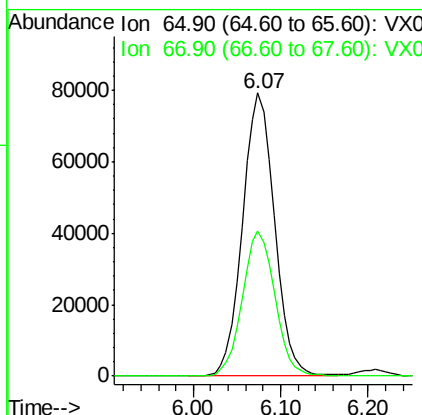
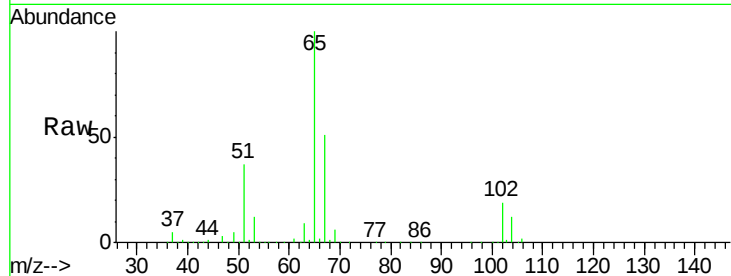
#33
 1,2-Dichloroethane-d4
 Concen: 46.130 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.6

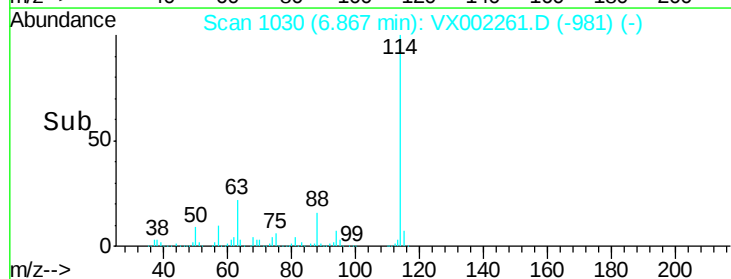
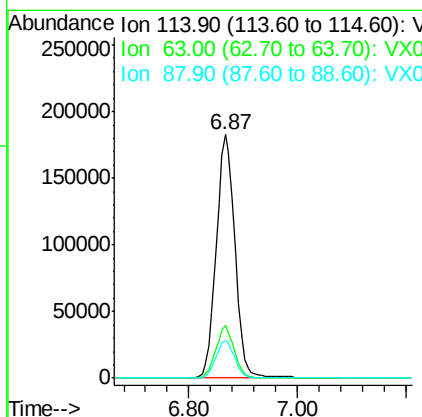
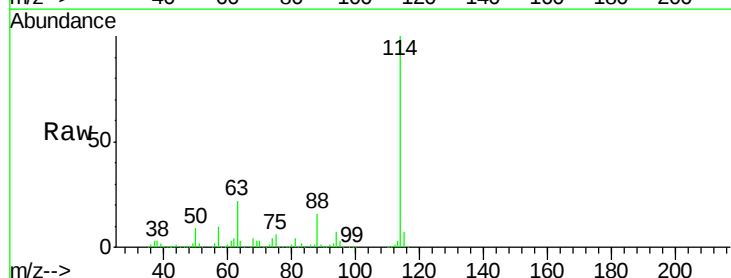
Manual Integrations
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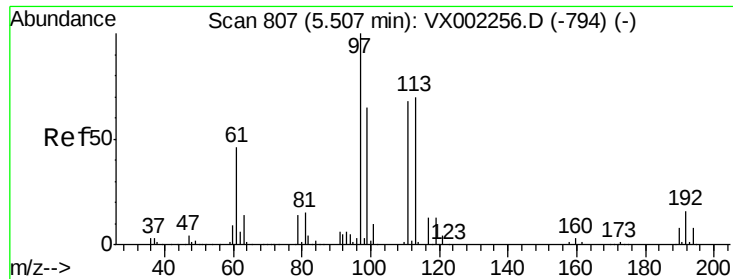
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	41.4
88	15.6	0.0	30.0





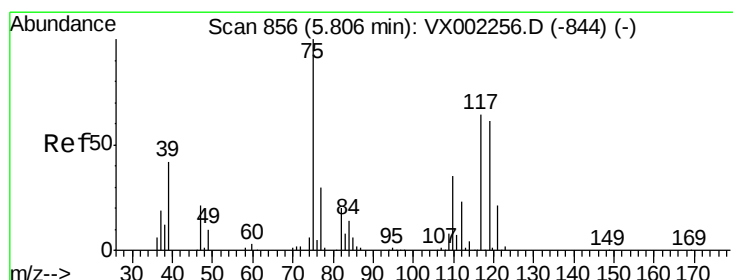
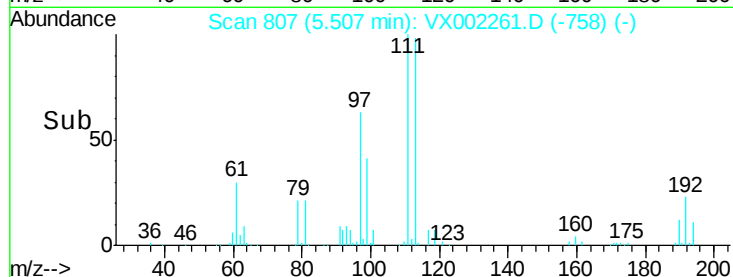
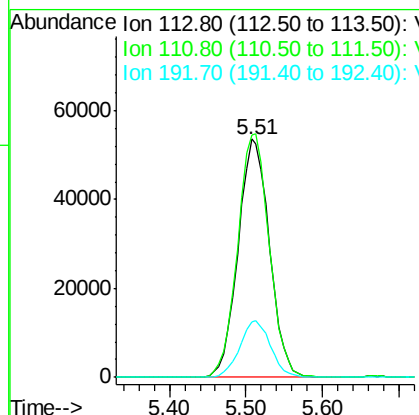
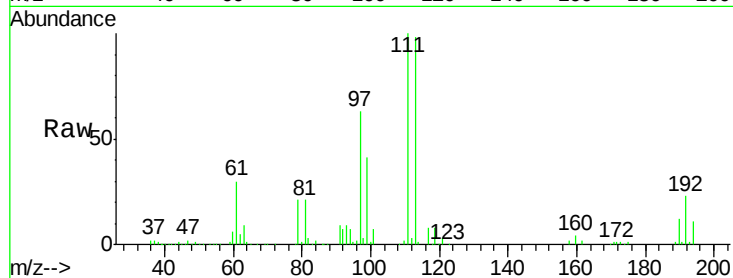
#35
 Dibromofluoromethane
 Concen: 44.353 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152344		
111	102.9	81.4	122.0	
192	23.3	19.1	28.7	

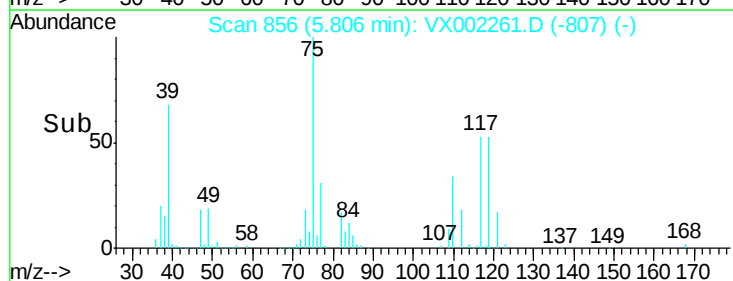
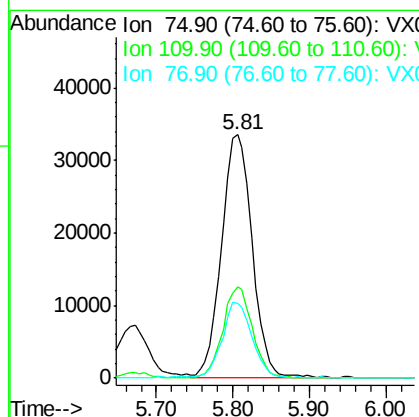
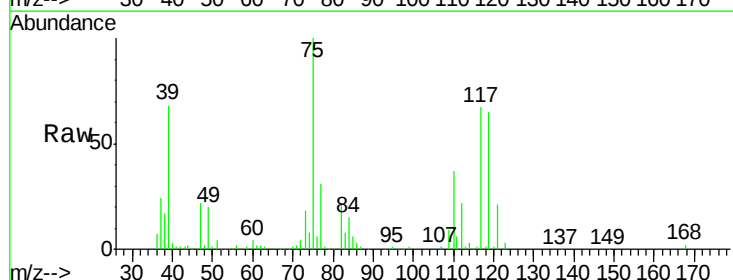
Manual Integrations
 APPROVED

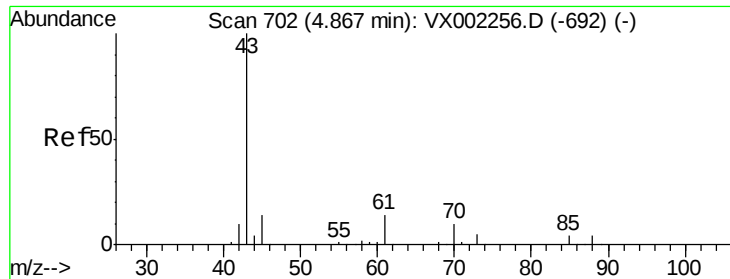
MMDadoda
 6/5/2018 5:56:05 PM



#36
 1,1-Dichloropropene
 Concen: 20.051 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92069		
110	36.7	18.1	54.4	
77	29.8	24.3	36.5	





#37

Ethyl Acetate

Concen: 19.219 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

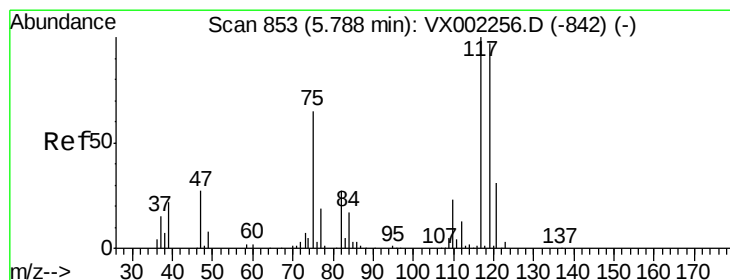
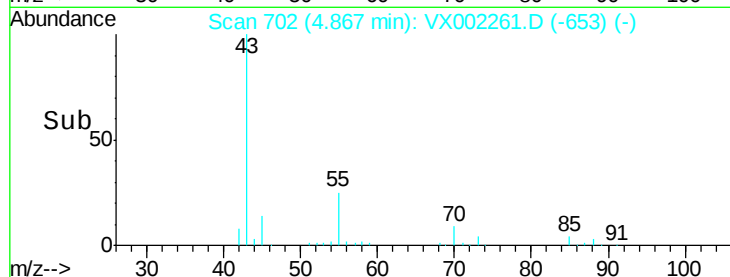
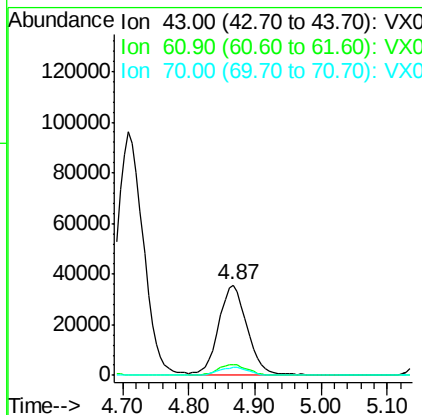
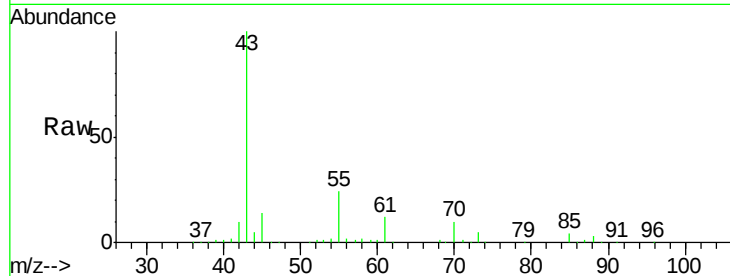
ClientSampleId :

VX0604WBS01

Tot Ion:	43	Resp:	106129
Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.4	15.6
70	9.5	7.6	11.4

Manual Integrations
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6/5/2018 5:56:05 PM



#38

Carbon Tetrachloride

Concen: 20.014 ug/l

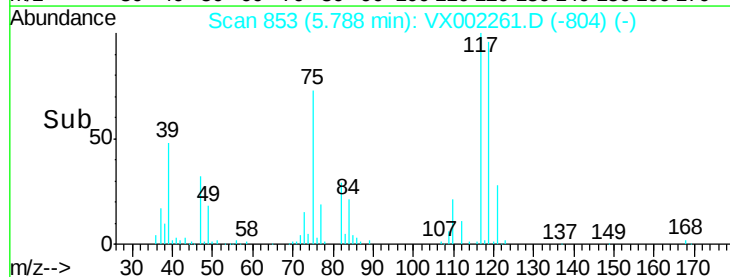
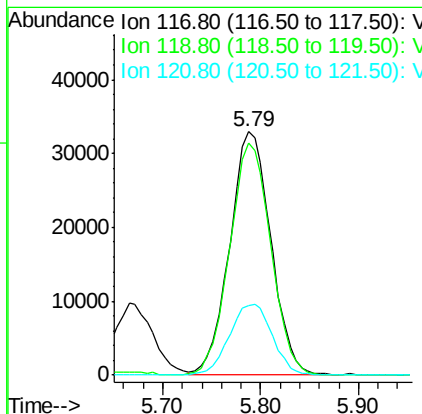
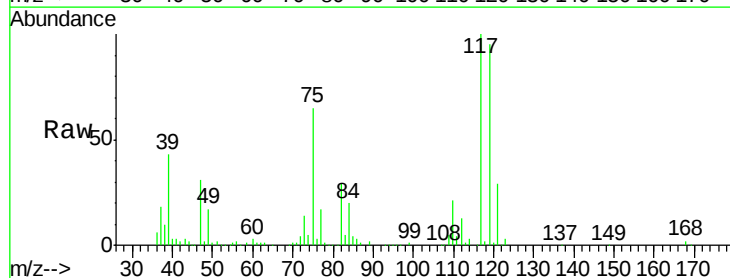
RT: 5.79 min Scan# 853

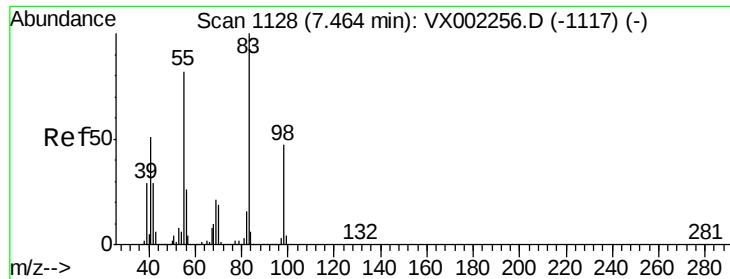
Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion:	117	Resp:	96137
Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.4	116.0
121	28.7	24.4	36.6





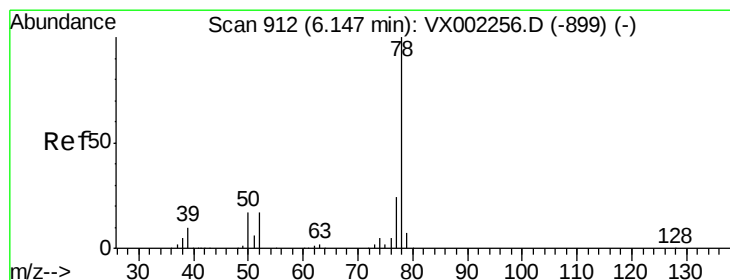
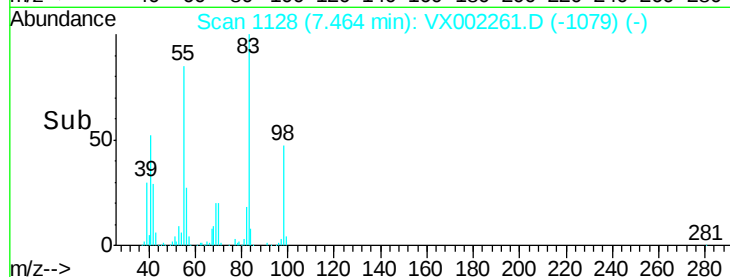
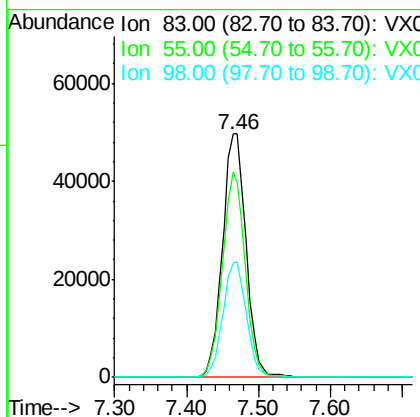
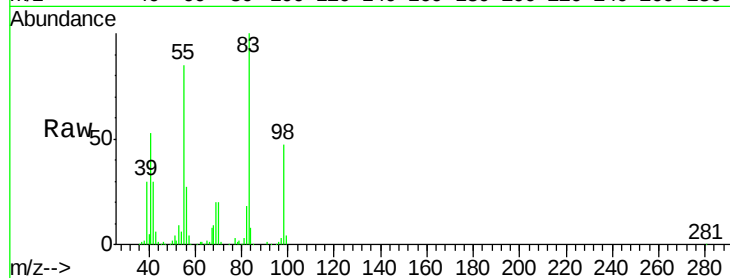
#39
Methvlcvclohexane
Concen: 20.156 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	65.4	98.0
98	46.8	37.4	56.0

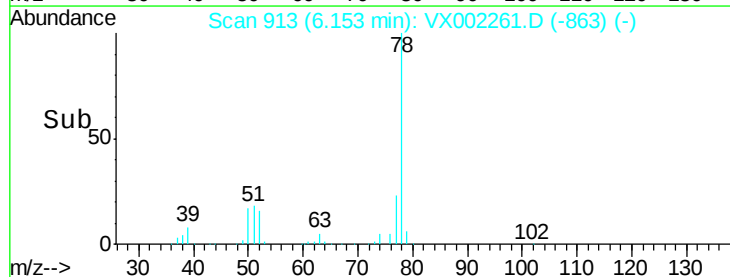
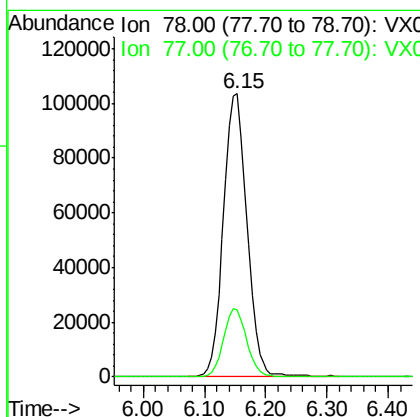
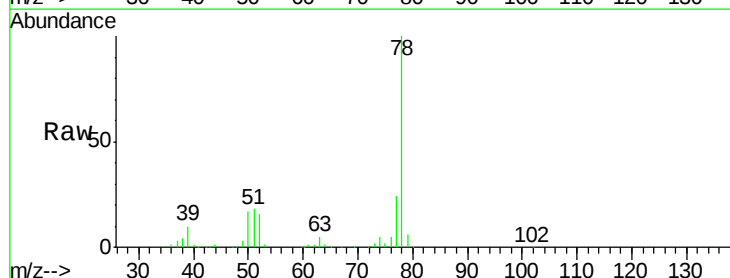
Manual Integrations
APPROVED

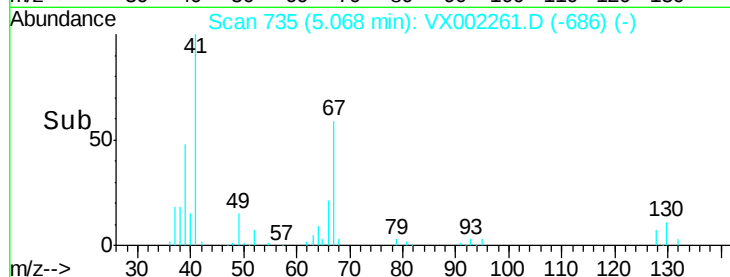
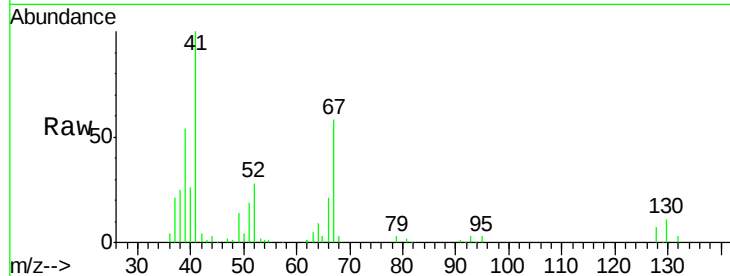
MMDadoda
6/5/2018 5:56:05 PM



#40
Benzene
Concen: 19.639 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





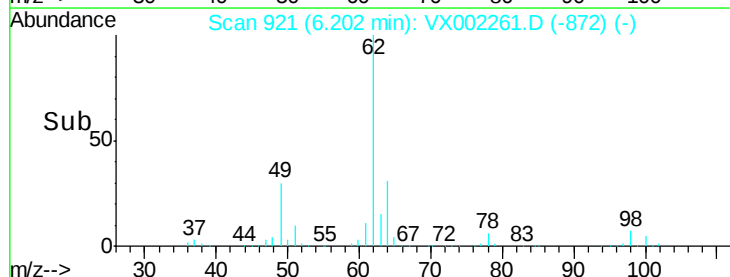
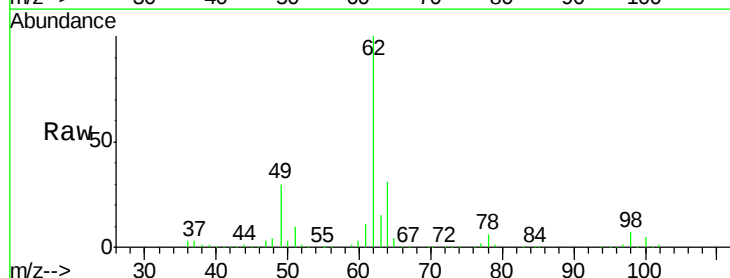
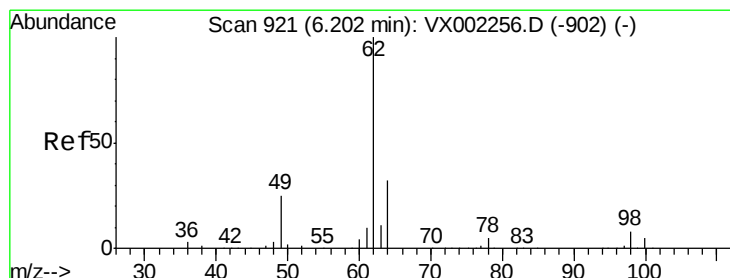
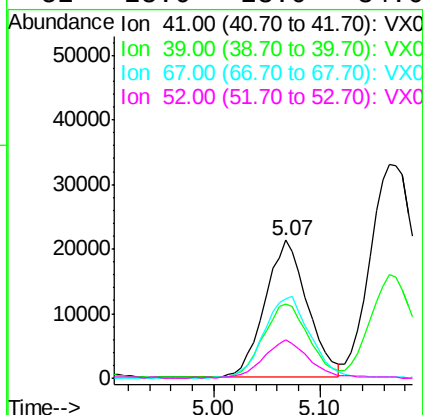
#41
Methacrylonitrile
Concen: 18.818 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.9	45.8	68.6	
67	64.4	51.3	76.9	
52	28.6	23.0	34.6	

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

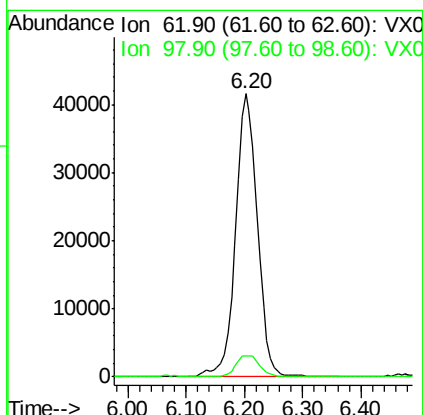
Manual Integrations
APPROVED

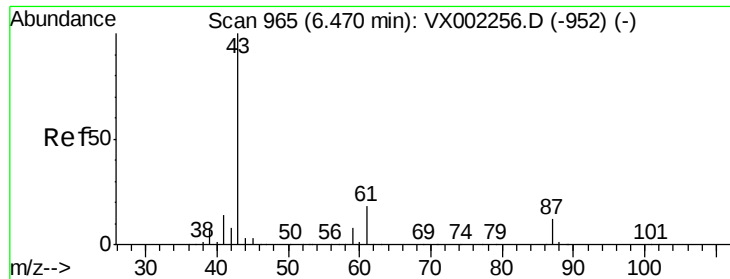
MMDadoda
6/5/2018 5:56:05 PM



#42
1,2-Dichloroethane
Concen: 19.336 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	16.6	





#43

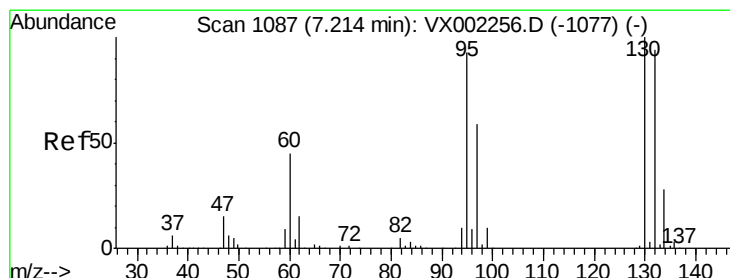
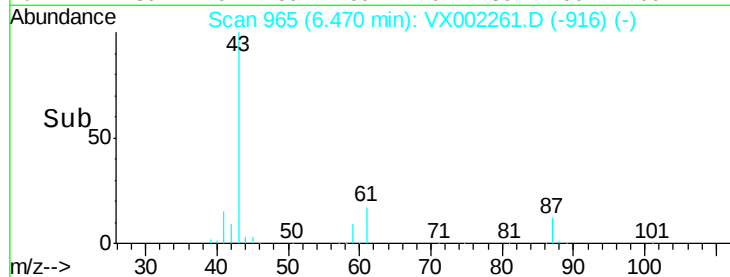
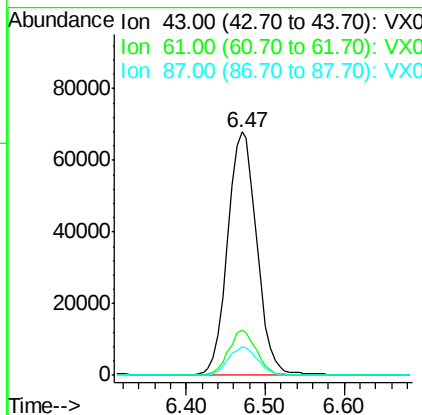
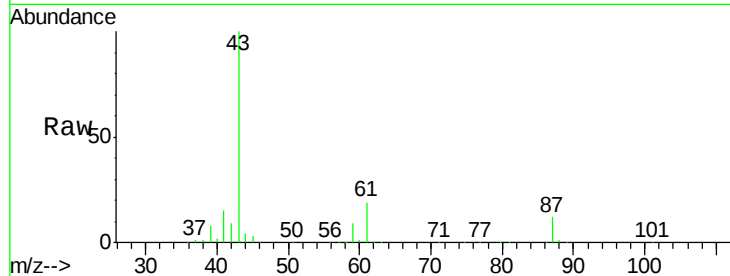
Isopropyl Acetate
 Concen: 18.502 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Tot Ion	43	Resp	173531
Ion Ratio	100	Lower	Upper
43	100		
61	18.0	14.4	21.6
87	11.8	9.5	14.3

Manual Integrations
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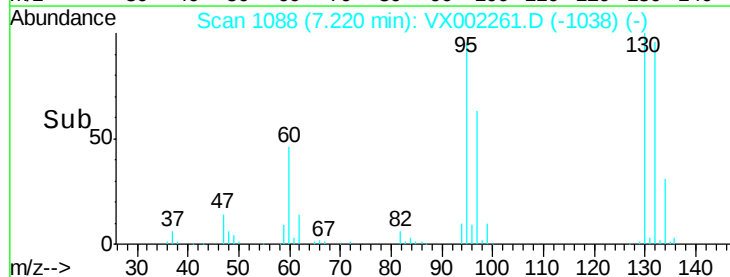
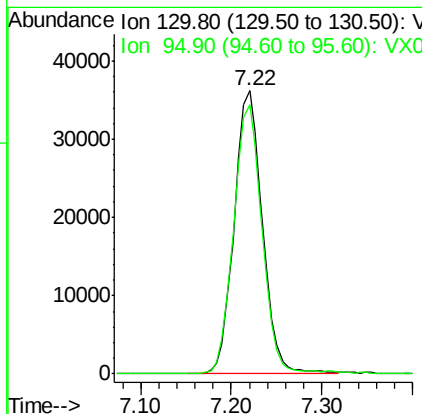
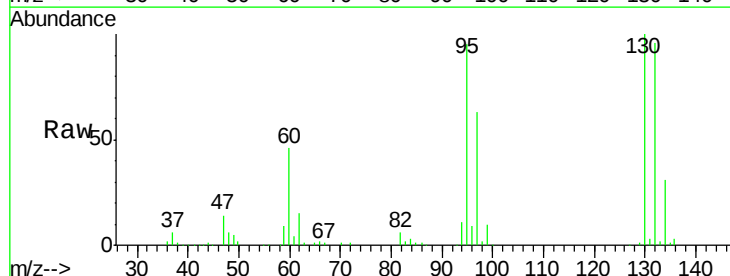
MMDadoda
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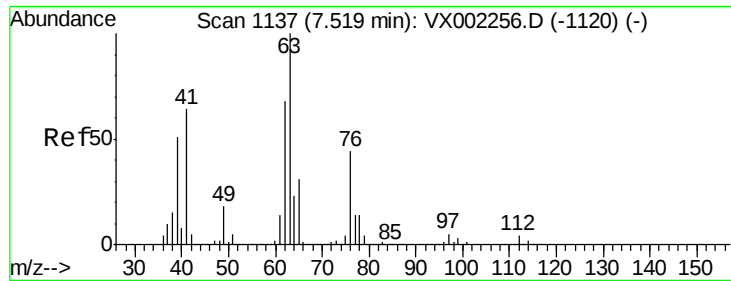


#44

Trichloroethene
 Concen: 20.038 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Tgt Ion	130	Resp	78297
Ion Ratio	100	Lower	Upper
130	100		
95	95.2	0.0	185.4





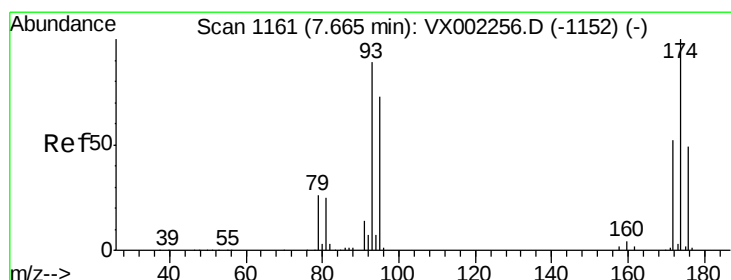
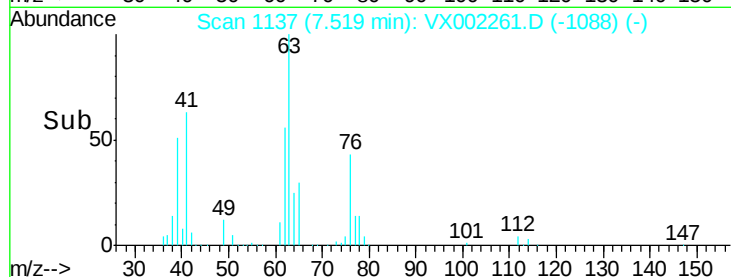
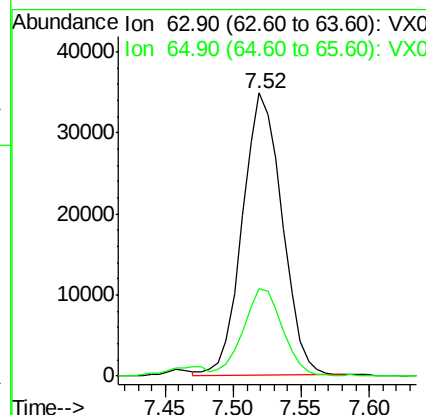
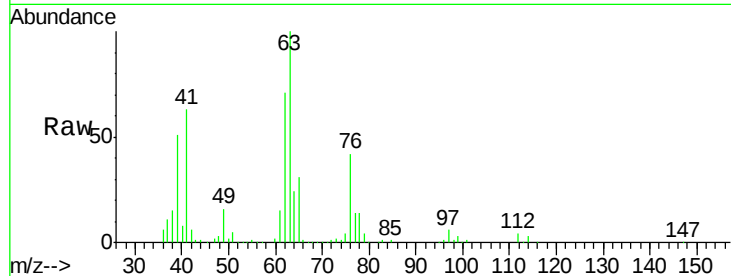
#45
 1,2-Dichloropropane
 Concen: 18.712 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Tot Ion: 63 Resp: 71122
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1

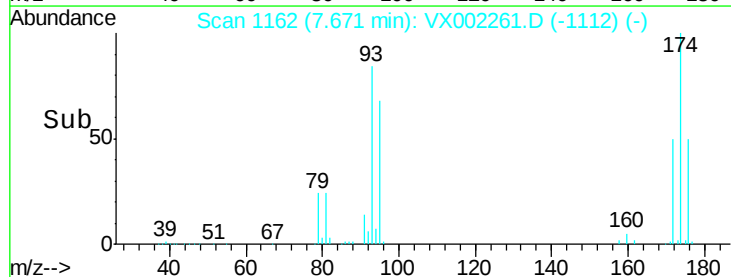
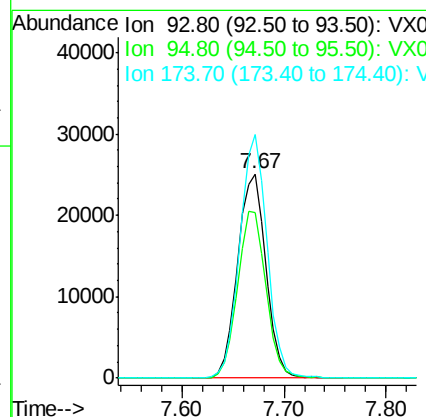
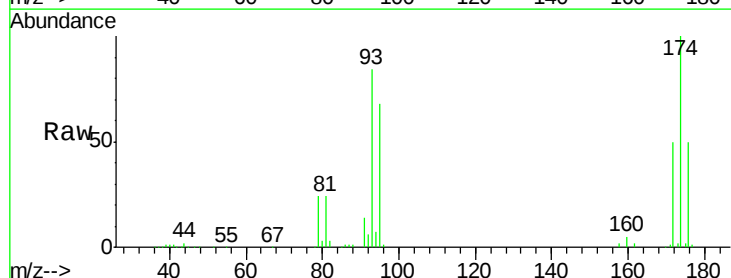
Manual Integrations
 APPROVED

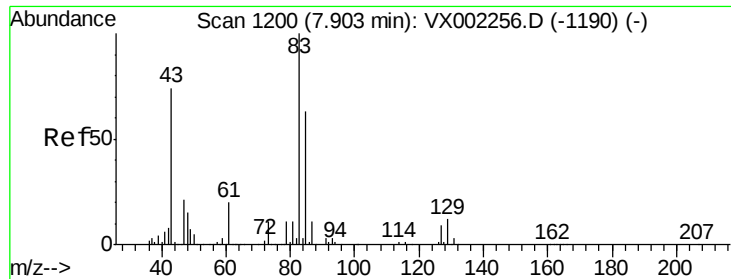
MMDadoda
 6/5/2018 5:56:05 PM



#46
 Dibromomethane
 Concen: 18.657 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Tgt Ion: 93 Resp: 48072
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.9 98.9
 174 115.1 92.4 138.6





#47

Bromodichloromethane

Concen: 18.471 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

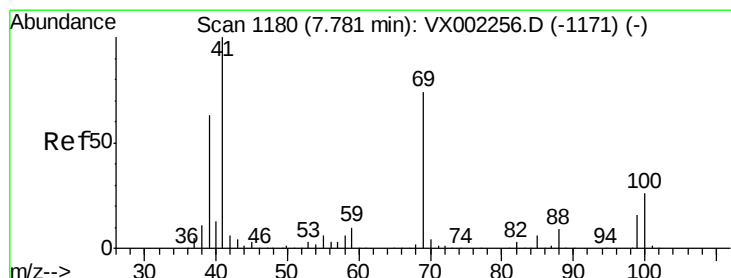
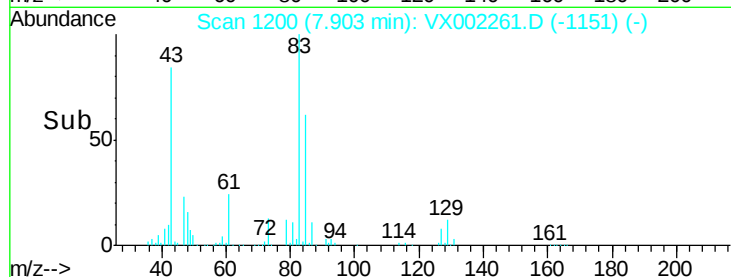
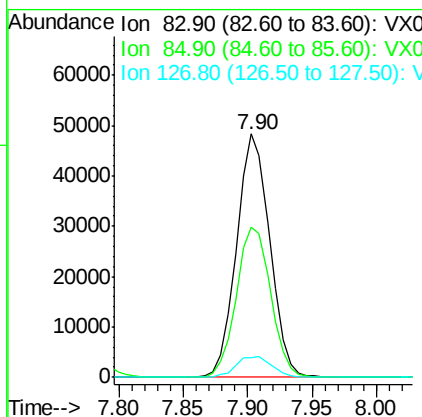
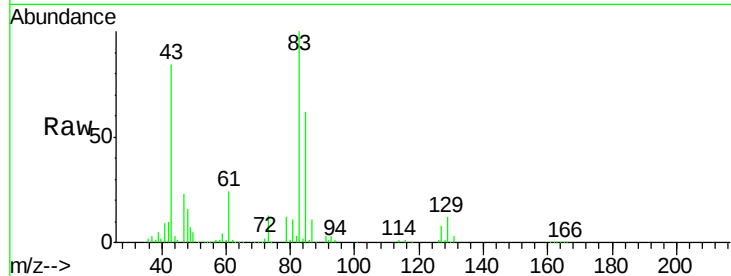
ClientSampleId :

VX0604WBS01

Tot Ion:	83	Resp:	86074
Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.3	75.5
127	8.0	7.0	10.4

Manual Integrations
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MMDadoda
6/5/2018 5:56:05 PM



#48

Methyl methacrylate

Concen: 19.034 ug/l

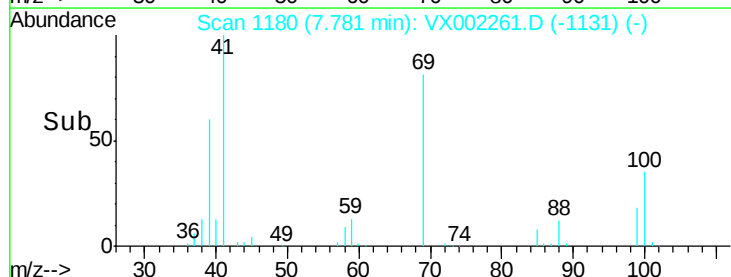
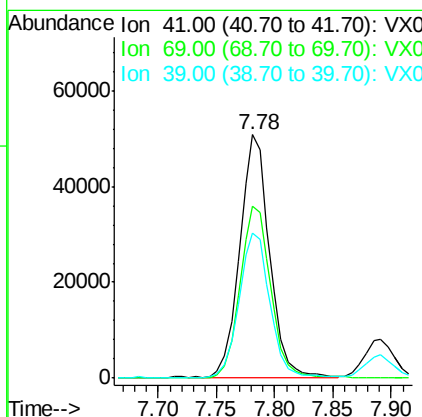
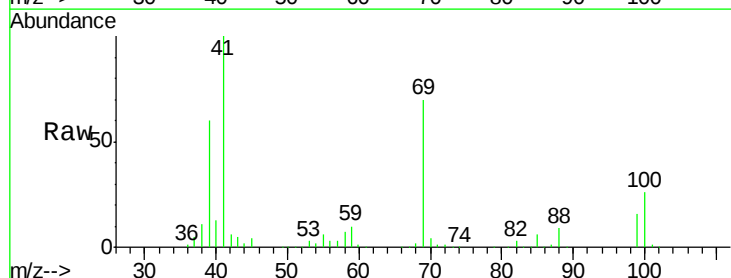
RT: 7.78 min Scan# 1180

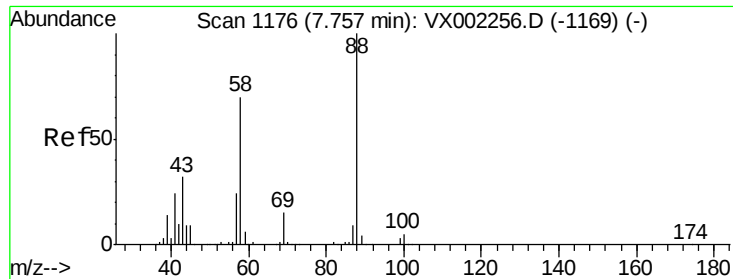
Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion:	41	Resp:	89675
Ion	Ratio	Lower	Upper
41	100		
69	74.3	59.1	88.7
39	61.8	48.9	73.3





#49

1,4-Dioxane

Concen: 396.928 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

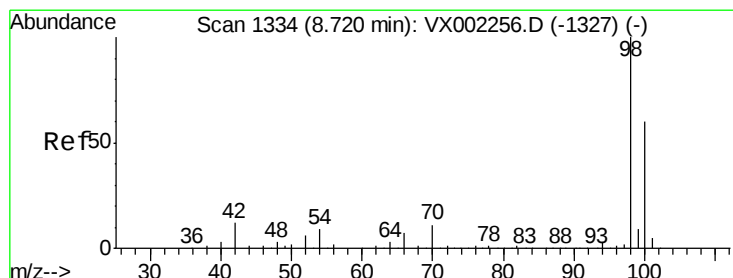
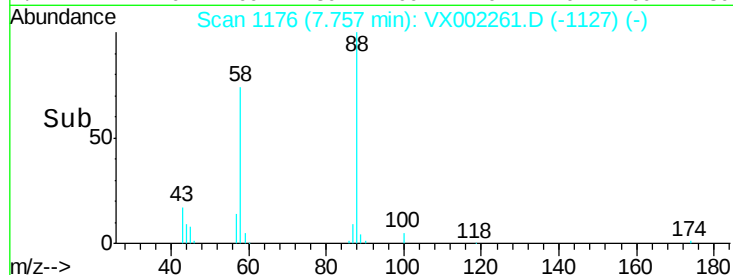
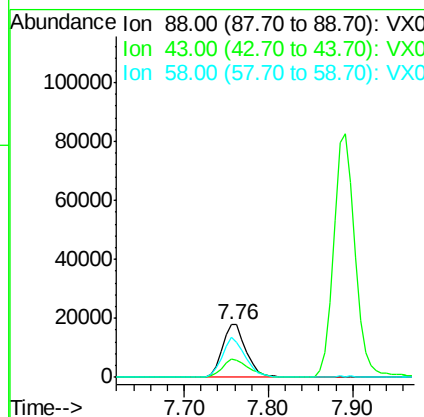
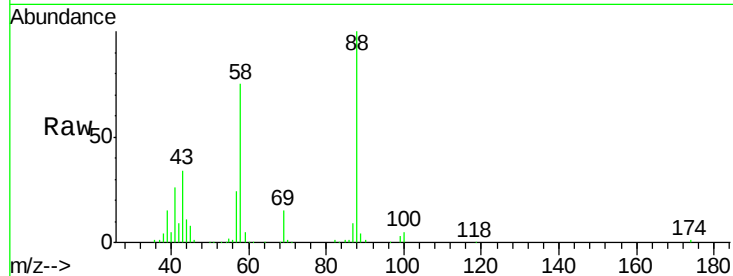
ClientSampleId :

VX0604WBS01

Tot Ion:	88	Resp:	34965
Ion Ratio	Lower	Upper	
88	100		
43	37.2	29.8	44.6
58	73.6	57.1	85.7

Manual Integrations
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#50

Toluene-d8

Concen: 45.551 ug/l

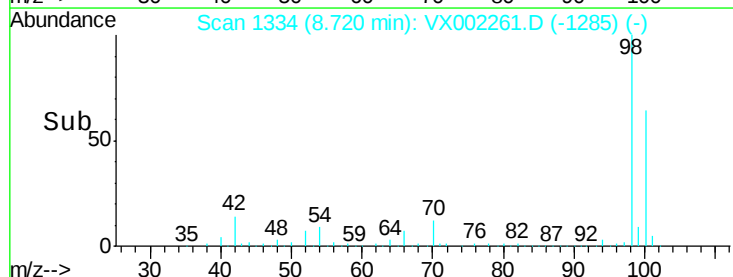
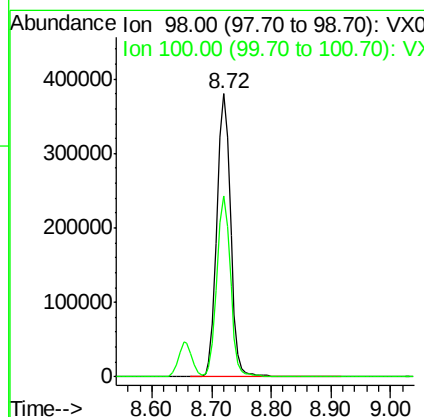
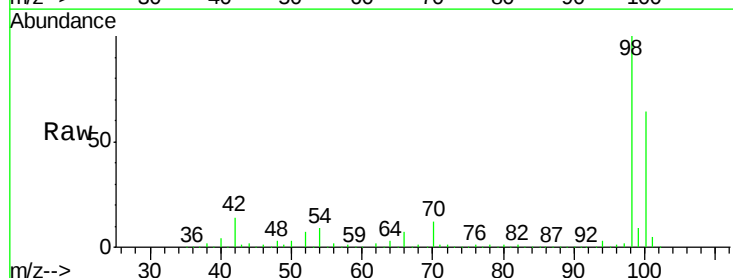
RT: 8.72 min Scan# 1334

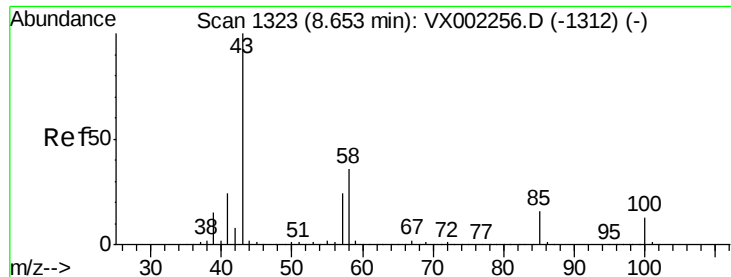
Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion:	98	Resp:	599693
Ion Ratio	Lower	Upper	
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 95.130 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion: 43 Resp: 555637

Ion Ratio Lower Upper

43 100

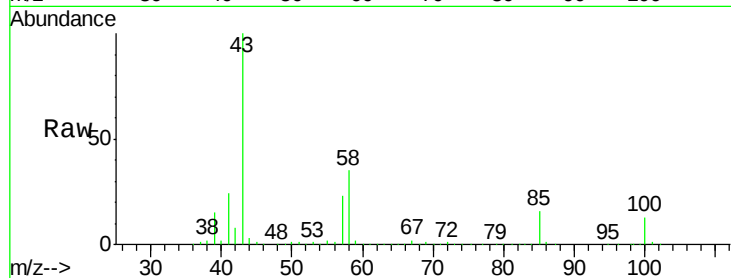
58 35.6 28.6 42.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

400000

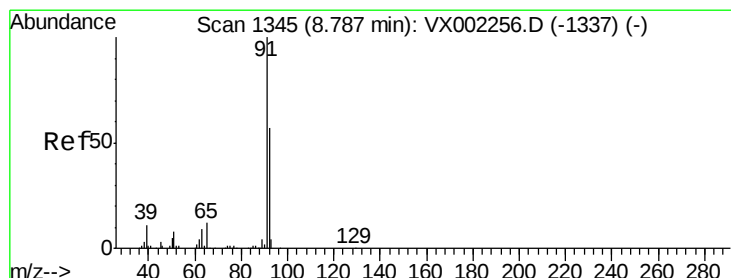
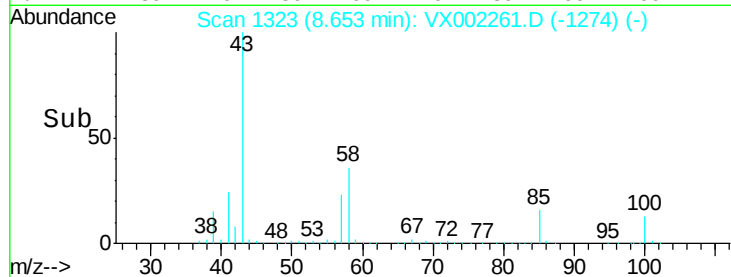
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.880 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002261.D

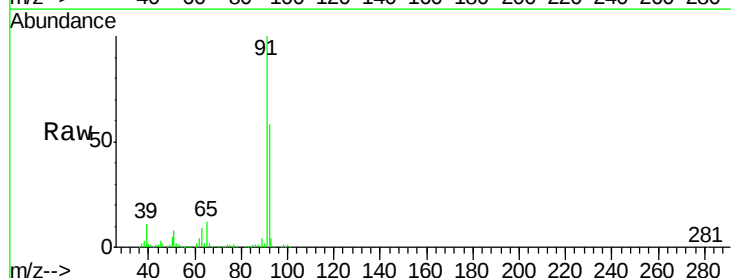
Acq: 04 Jun 2018 15:41

Tgt Ion: 92 Resp: 178011

Ion Ratio Lower Upper

92 100

91 173.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

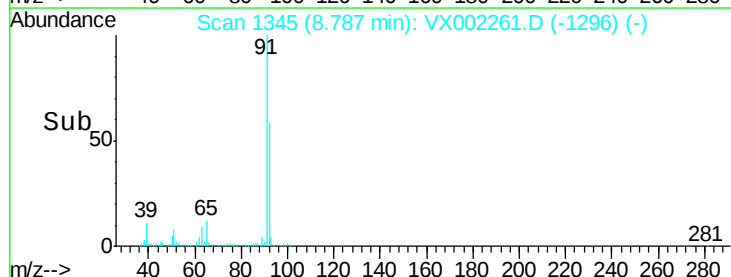
150000

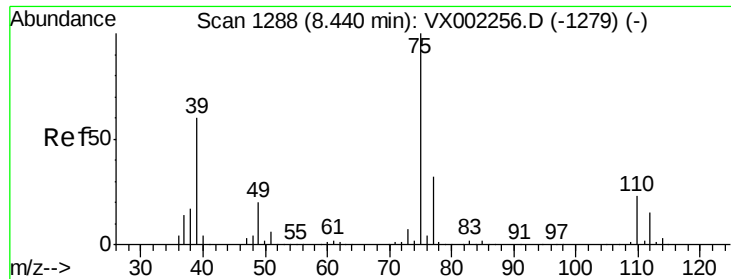
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.918 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tot Ion: 75 Resp: 105718

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2

Instrument :

MSVOA_X

ClientSampleId :

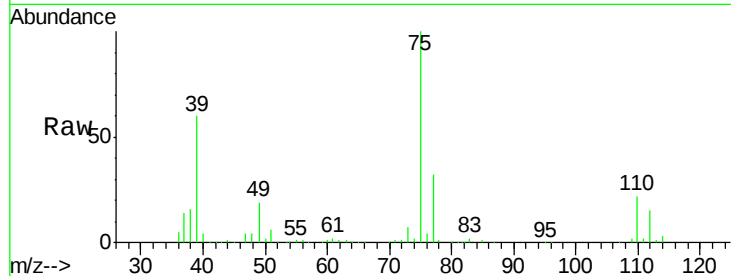
VX0604WBS01

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

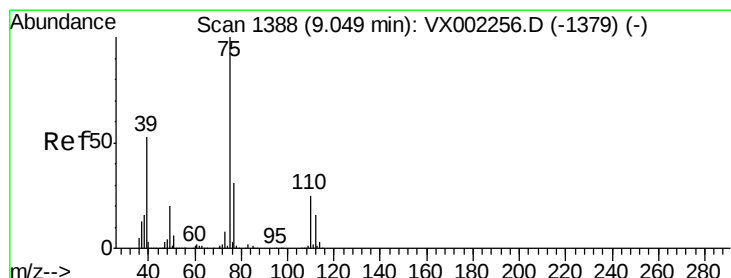
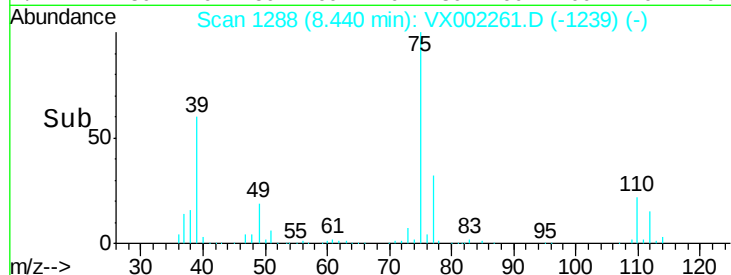
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.571 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

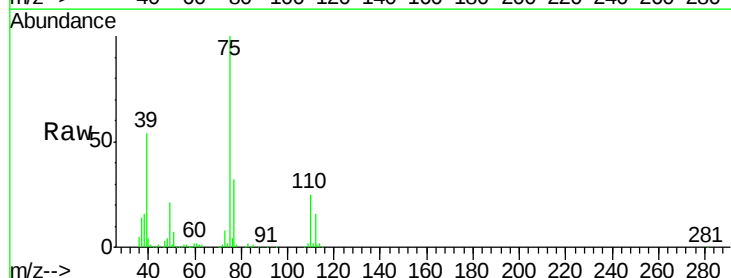
Tgt Ion: 75 Resp: 97910

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 54.1 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

80000

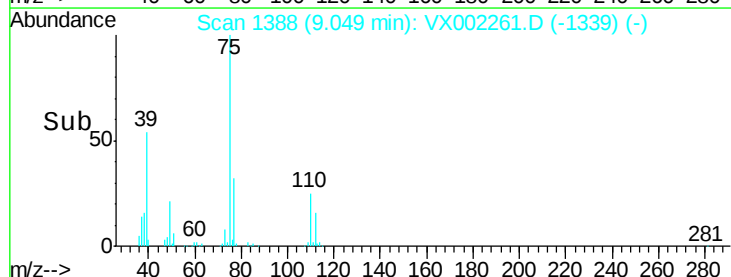
60000

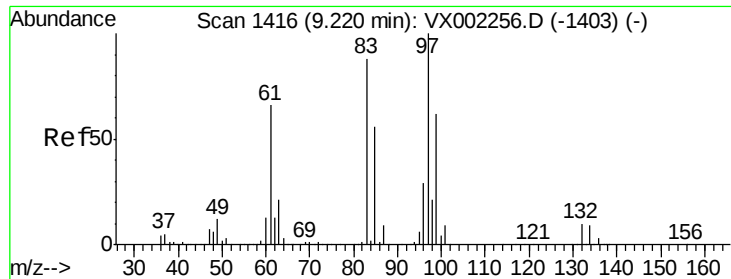
40000

20000

0

Time-->





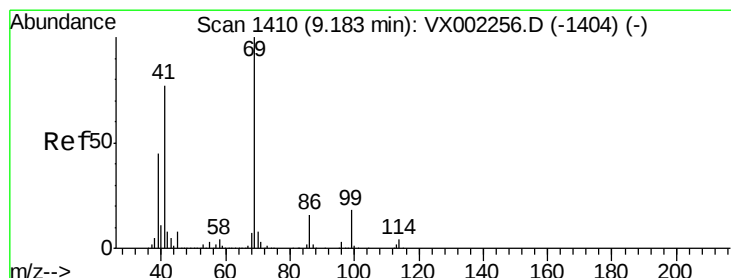
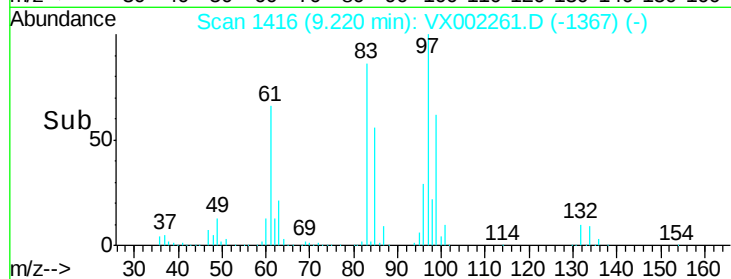
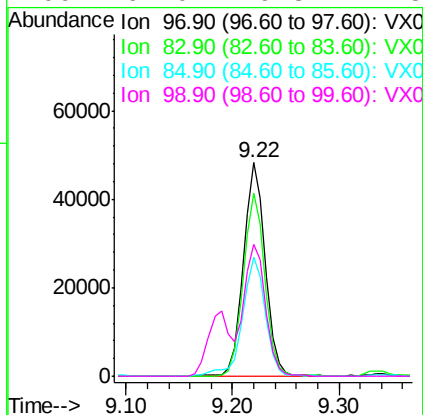
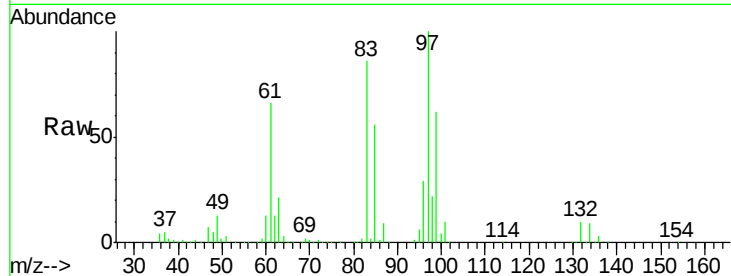
#55
 1,1,2-Trichloroethane
 Concen: 18.888 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Tot Ion:	97	Resp:	69562
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.2	105.2
85	55.7	44.9	67.3
99	62.0	49.8	74.8

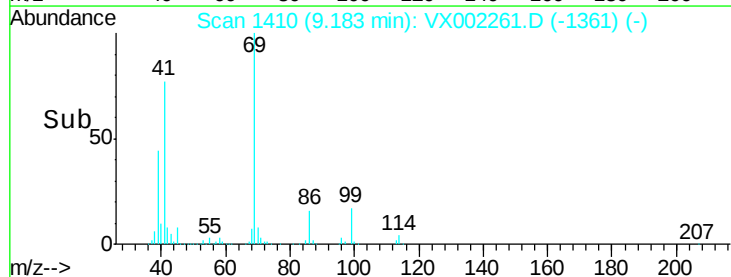
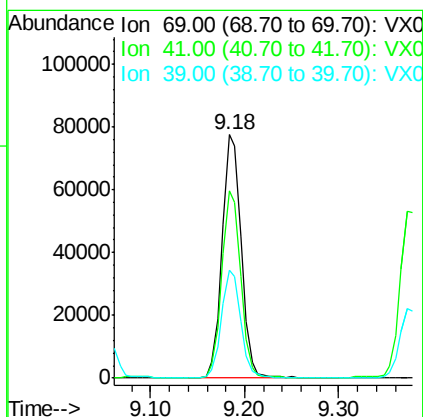
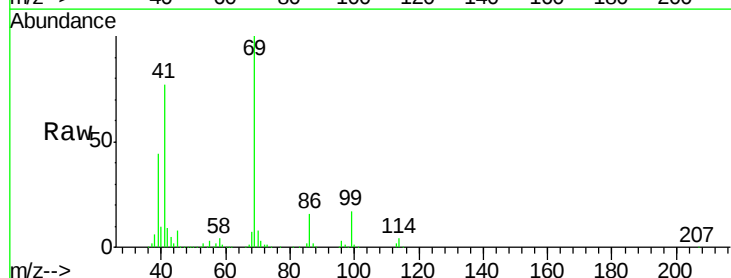
Manual Integrations
 APPROVED

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 6/5/2018 5:56:05 PM



#56
 Ethyl methacrylate
 Concen: 18.603 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Tgt Ion:	69	Resp:	109383
Ion	Ratio	Lower	Upper
69	100		
41	75.9	60.3	90.5
39	44.5	35.8	53.8





#57

1,3-Dichloropropane

Concen: 18.996 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion: 76 Resp: 117368

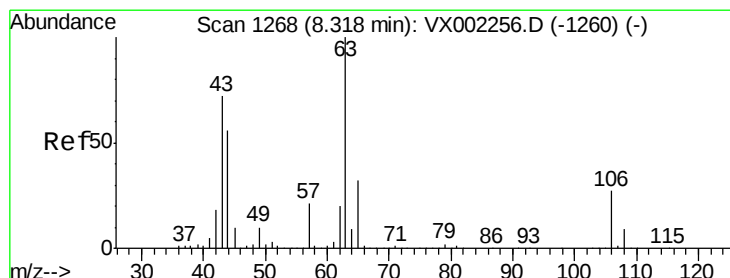
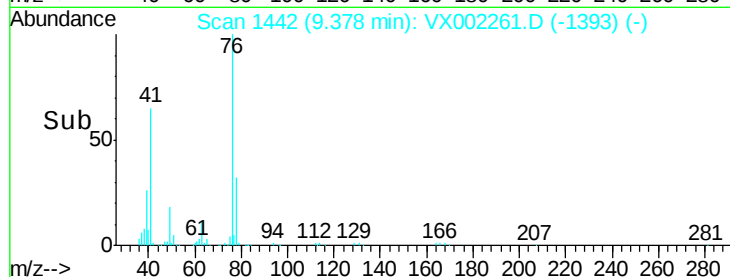
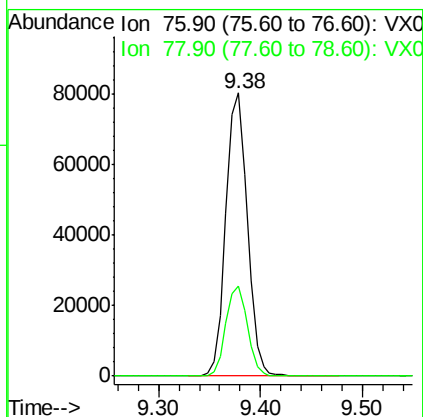
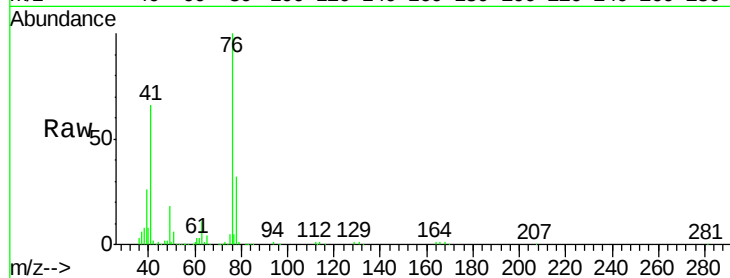
Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:05 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.568 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX002261.D

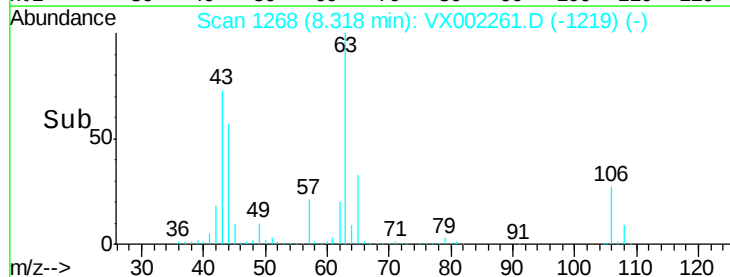
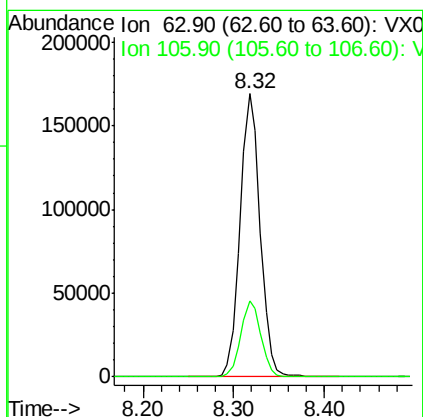
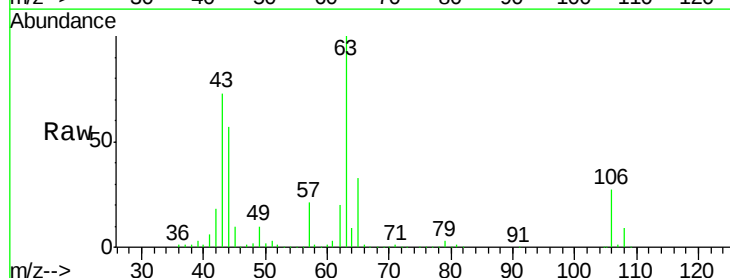
Acq: 04 Jun 2018 15:41

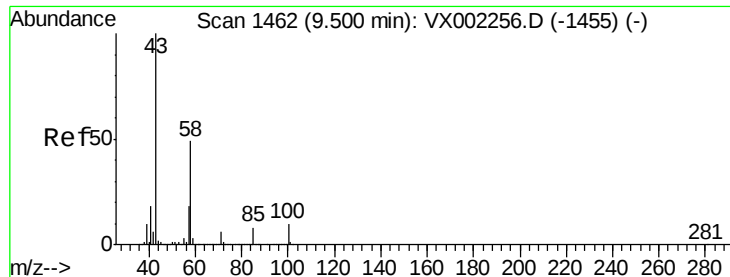
Tgt Ion: 63 Resp: 260078

Ion Ratio Lower Upper

63 100

106 27.1 21.8 32.8





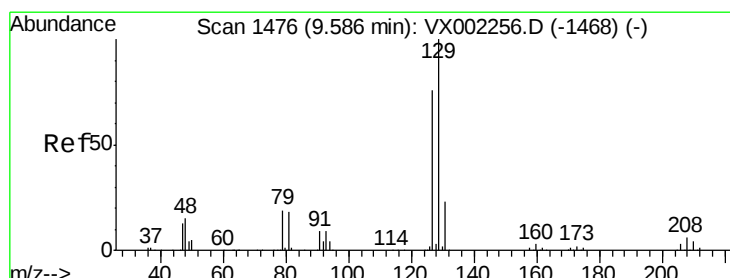
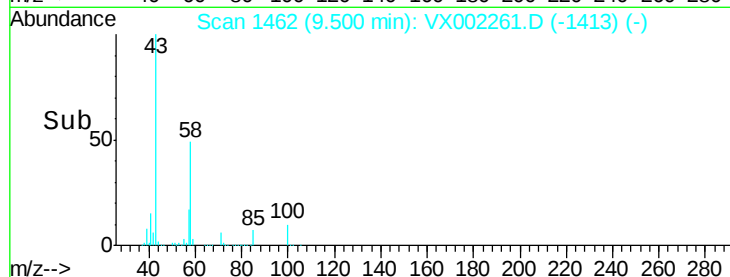
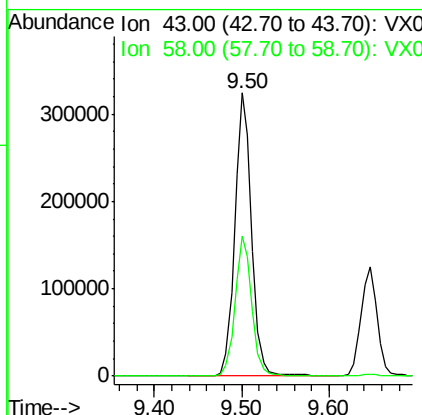
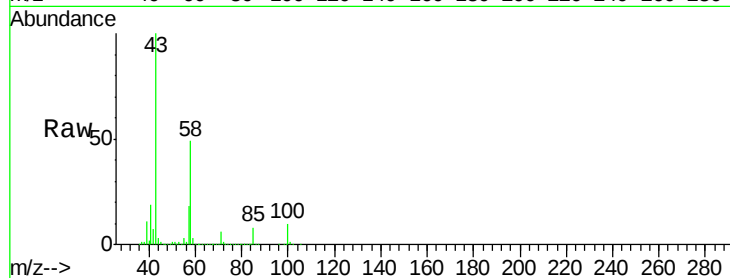
#59
2-Hexanone
Concen: 96.226 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion: 43 Resp: 434121
Ion Ratio Lower Upper
43 100
58 49.2 24.6 73.6

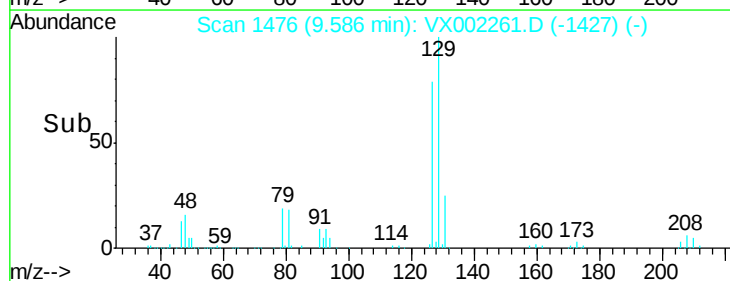
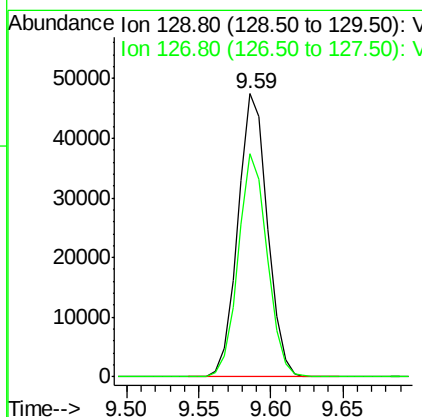
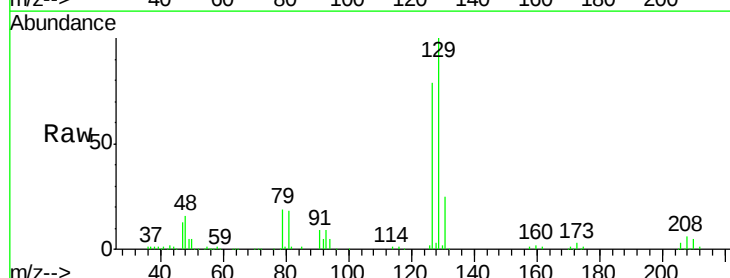
Manual Integrations
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6/5/2018 5:56:05 PM



#60
Dibromochloromethane
Concen: 18.230 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion: 129 Resp: 67532
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.005 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS01

Tot Ion:107 Resp: 72980

Ion Ratio Lower Upper

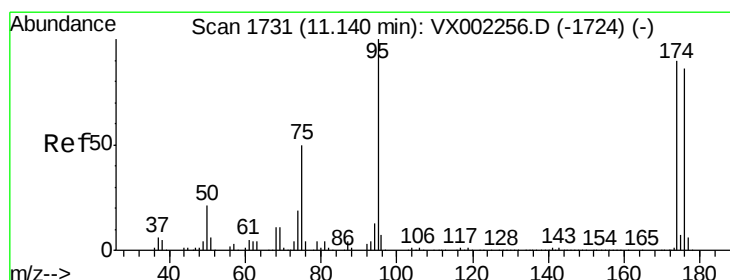
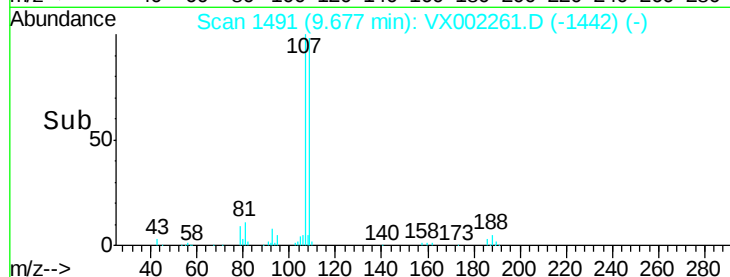
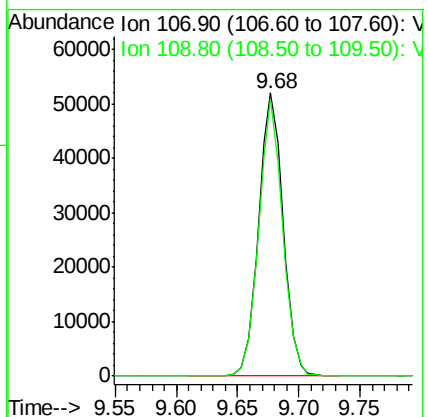
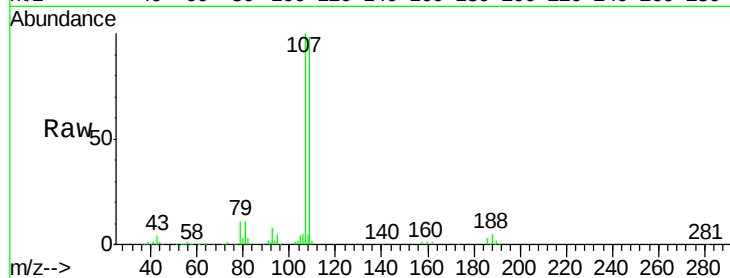
107 100

109 95.3 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 43.851 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

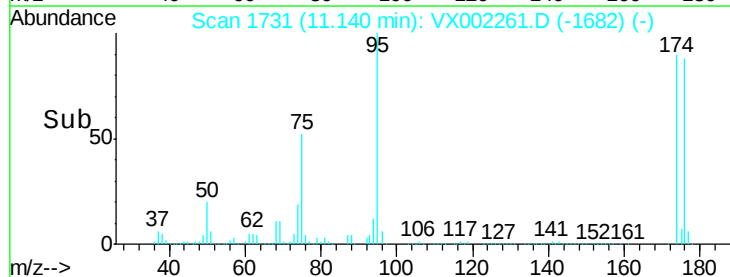
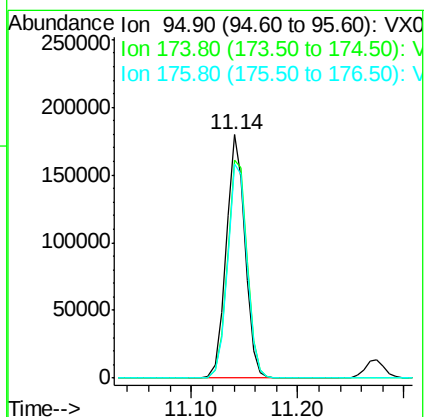
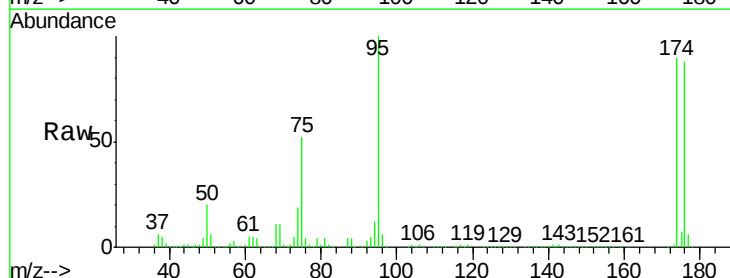
Tgt Ion: 95 Resp: 222619

Ion Ratio Lower Upper

95 100

174 93.8 0.0 187.4

176 91.1 0.0 181.0





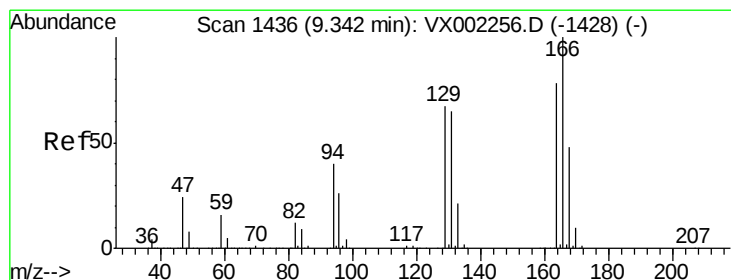
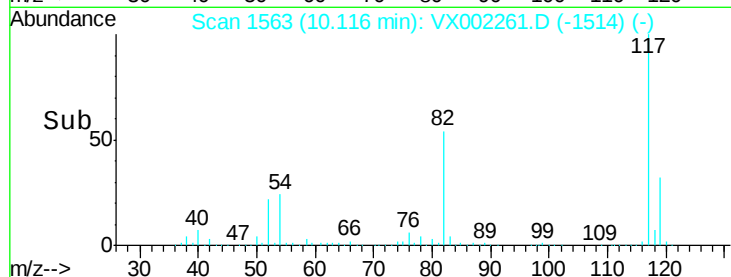
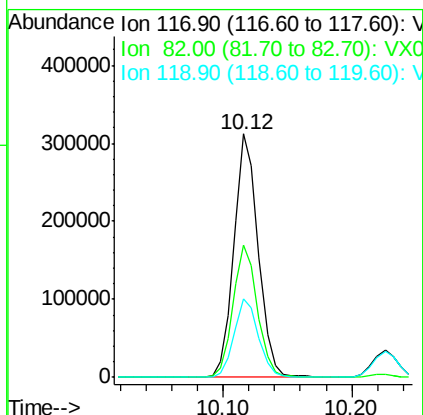
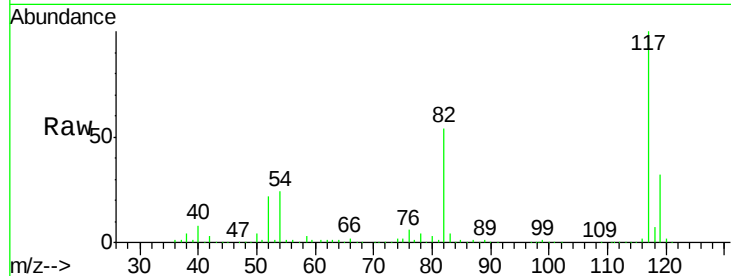
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.0	67.4
119	32.4	25.8	38.6

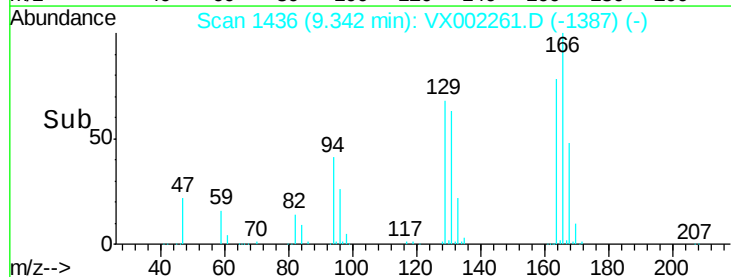
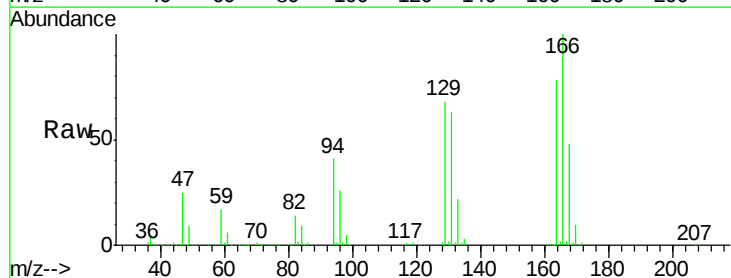
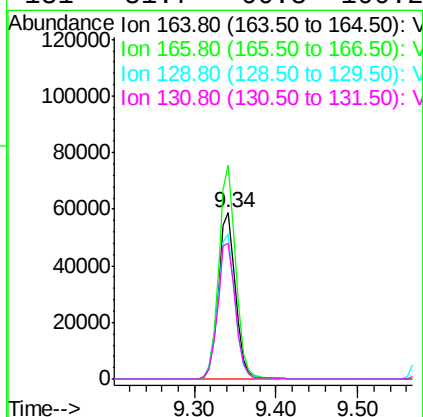
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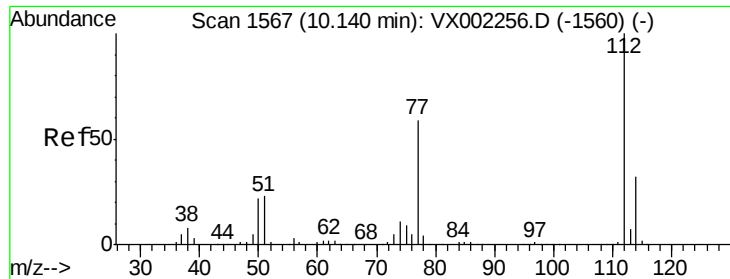
MMDadoda
6/5/2018 5:56:05 PM



#64
Tetrachloroethene
Concen: 20.564 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.9	154.3
129	87.2	68.6	102.8
131	81.7	66.8	100.2





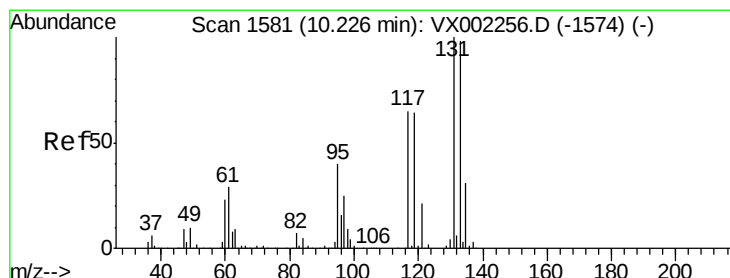
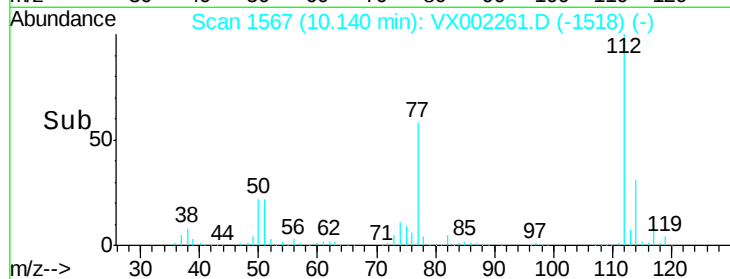
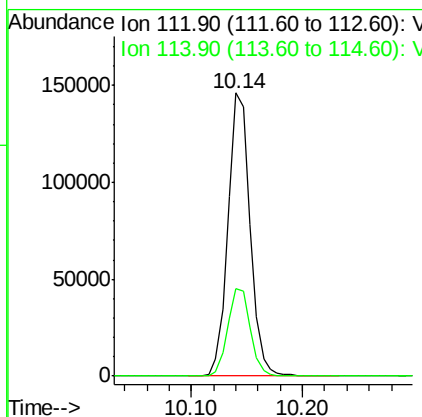
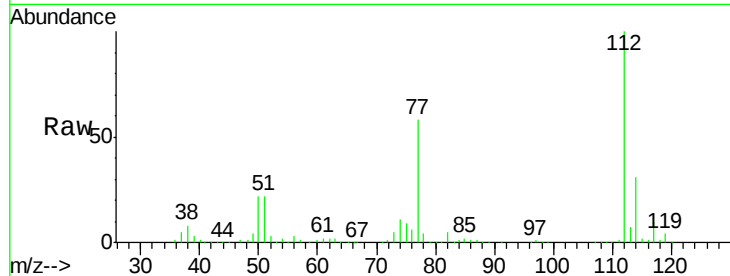
#65
Chlorobenzene
Concen: 19.678 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion:112 Resp: 201265
Ion Ratio Lower Upper
112 100
114 30.9 25.3 37.9

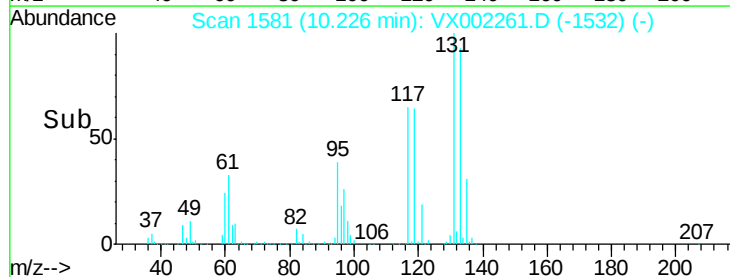
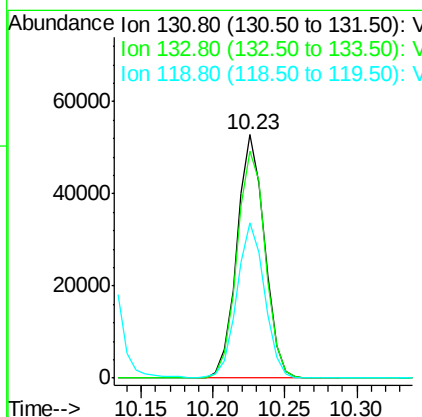
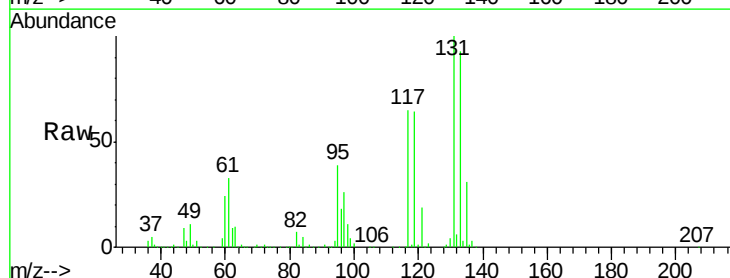
Manual Integrations
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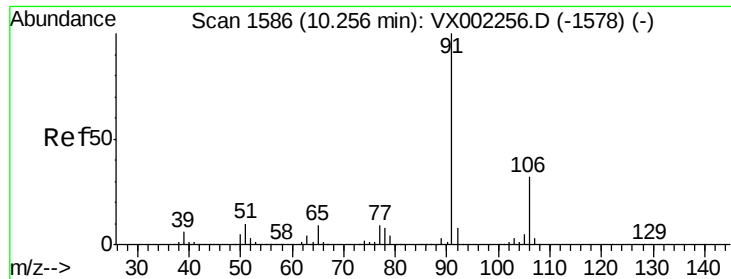
MMDadoda
6/5/2018 5:56:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.088 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion:131 Resp: 70691
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.6
119 64.1 31.8 95.3





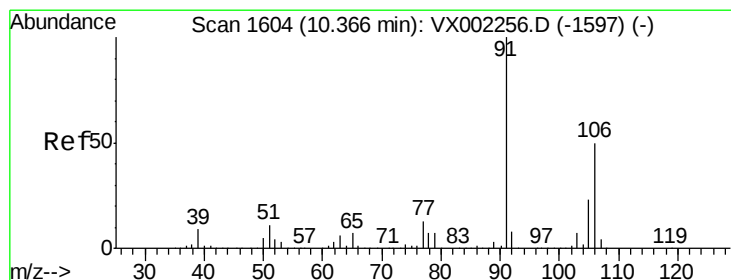
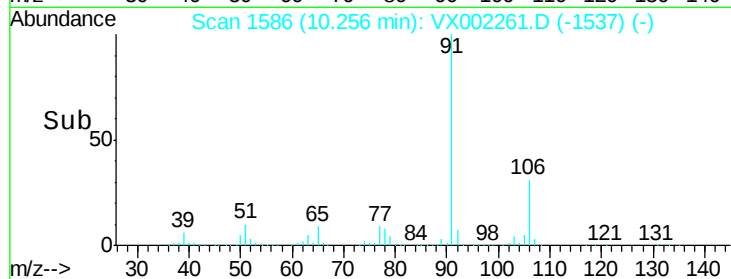
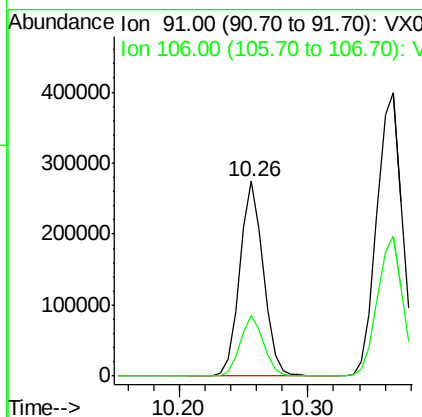
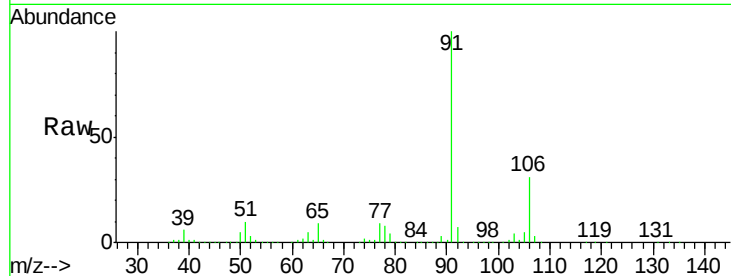
#67
Ethyl Benzene
Concen: 20.331 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion: 91 Resp: 347994
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

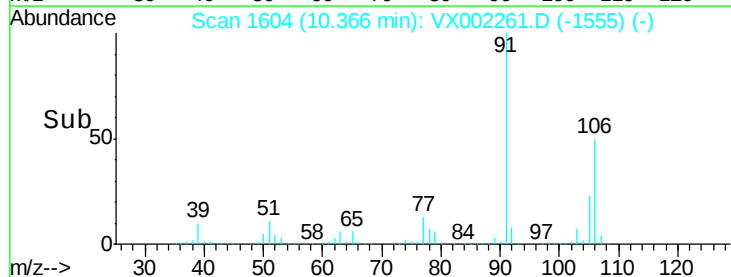
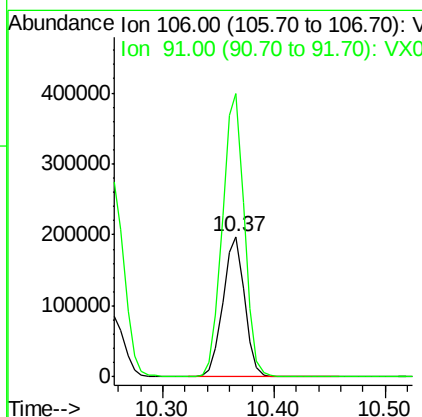
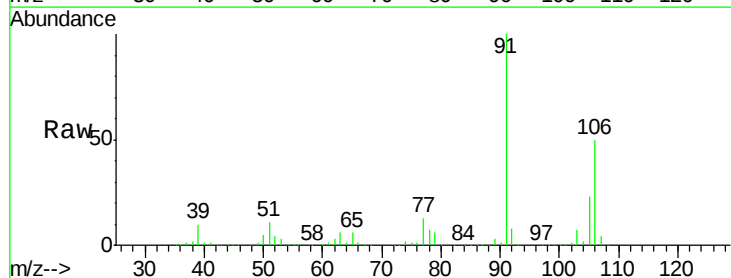
Manual Integrations
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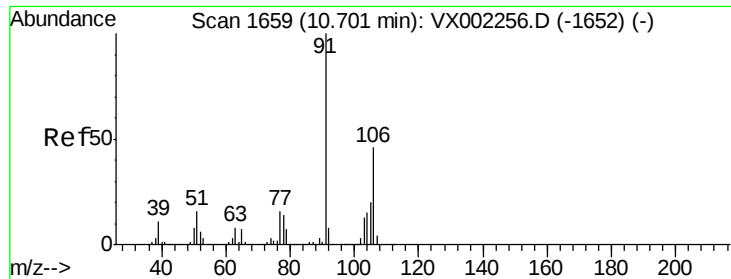
MMDadoda
6/5/2018 5:56:05 PM



#68
m/p-Xylenes
Concen: 39.875 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion: 106 Resp: 265310
Ion Ratio Lower Upper
106 100
91 204.9 163.4 245.2





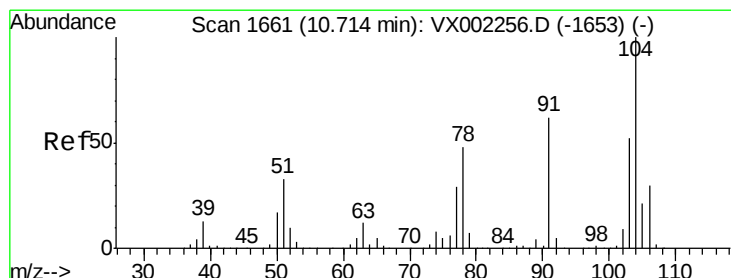
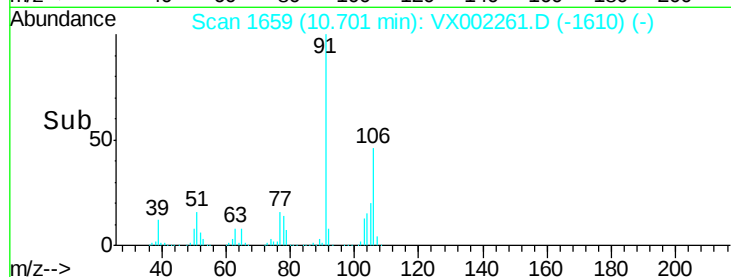
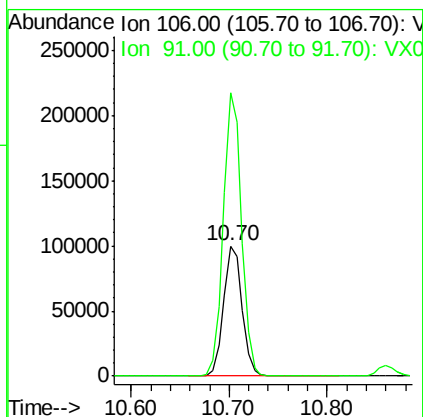
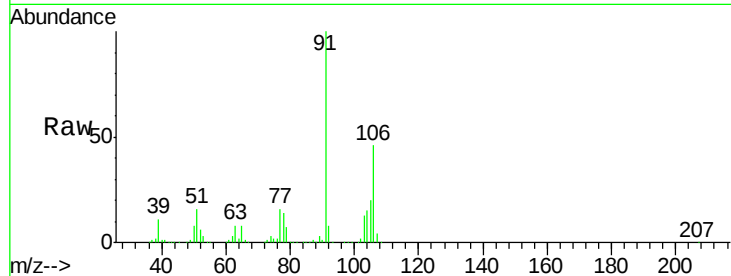
#69
o-Xylene
Concen: 19.773 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.3	108.2	324.6

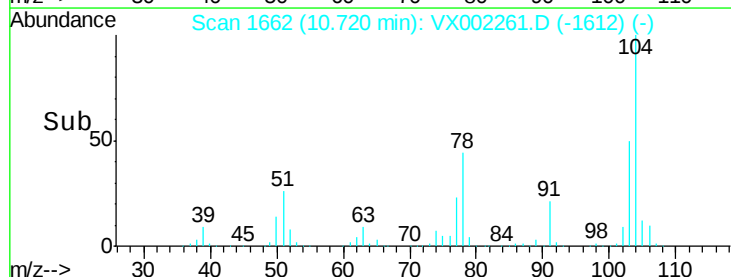
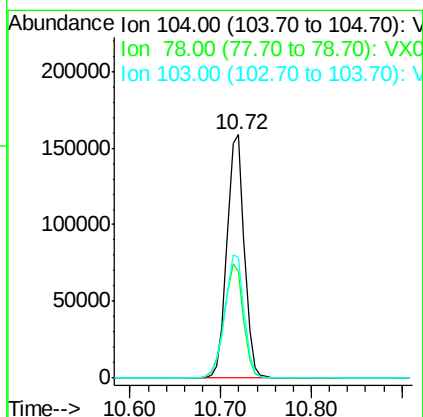
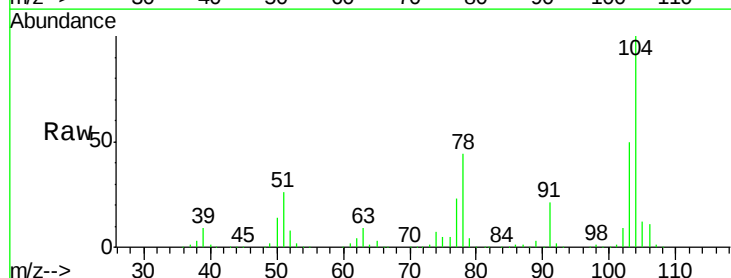
Manual Integrations
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#70
Styrene
Concen: 19.552 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.0	61.6
103	55.8	44.2	66.4





#71

Bromoform

Concen: 17.748 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion:173 Resp: 50919

Ion Ratio Lower Upper

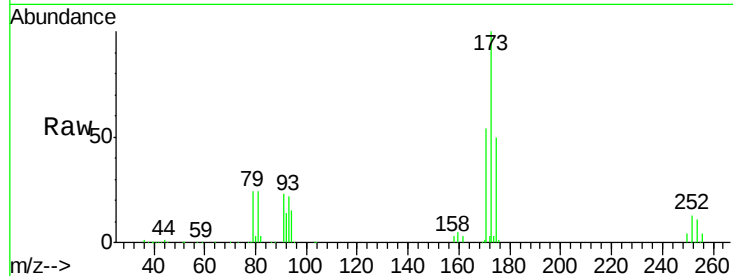
173 100

175 49.7 24.7 74.1

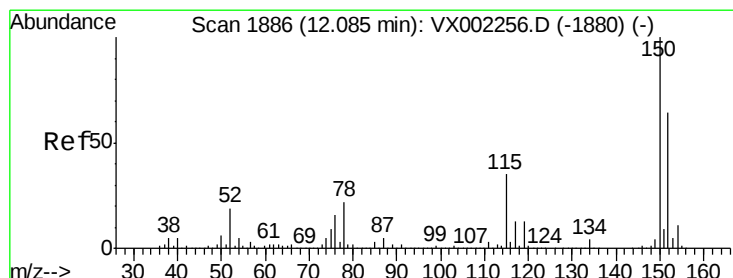
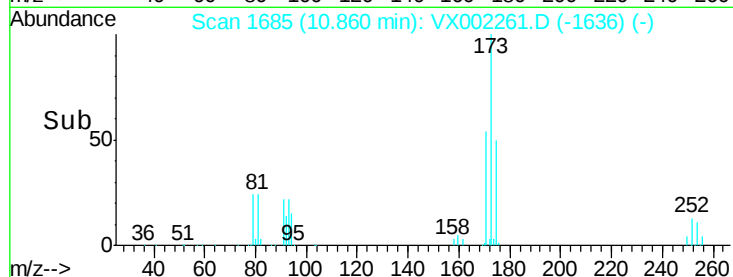
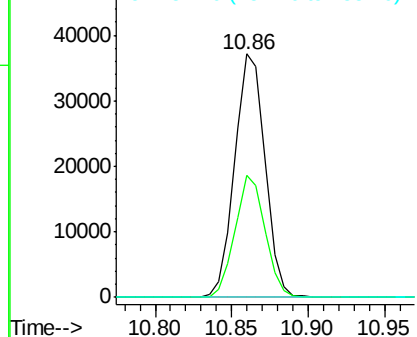
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

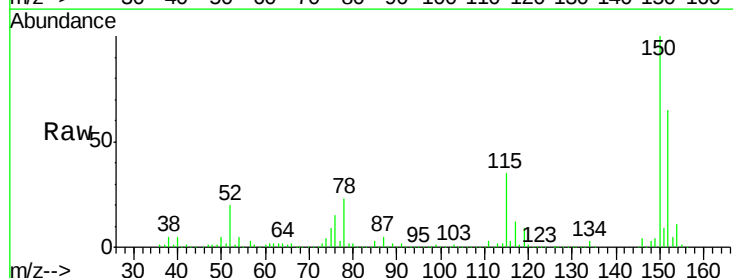
Tgt Ion:152 Resp: 246536

Ion Ratio Lower Upper

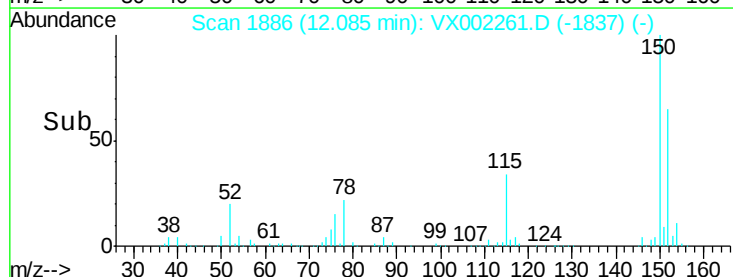
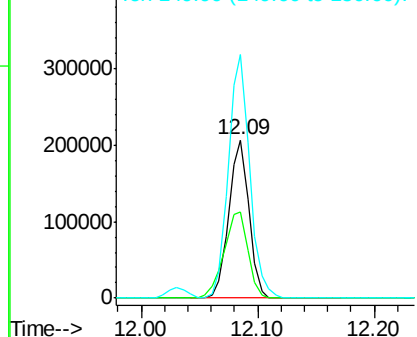
152 100

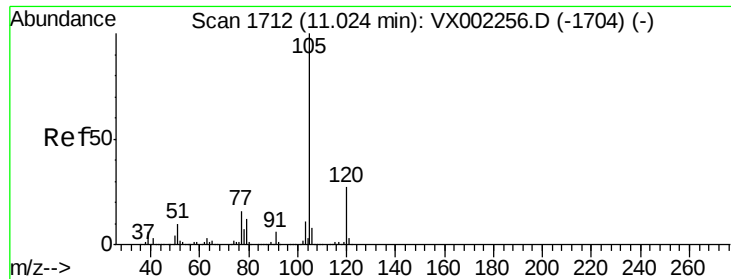
115 65.1 40.1 120.2

150 163.3 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.620 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

ClientSampled :

VX0604WBS01

Tot Ion: 105 Resp: 353645

Ion Ratio Lower Upper

105 100

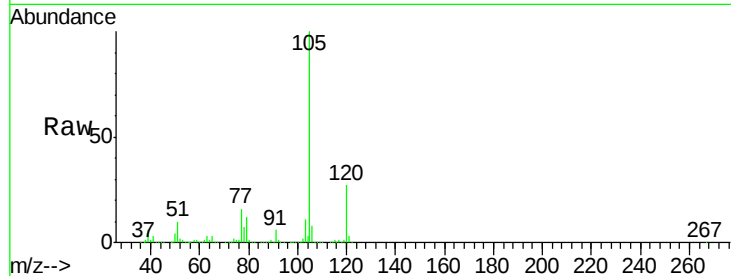
120 26.9 13.5 40.4

Manual Integrations

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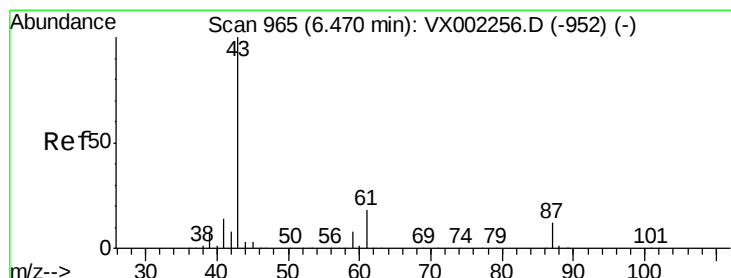
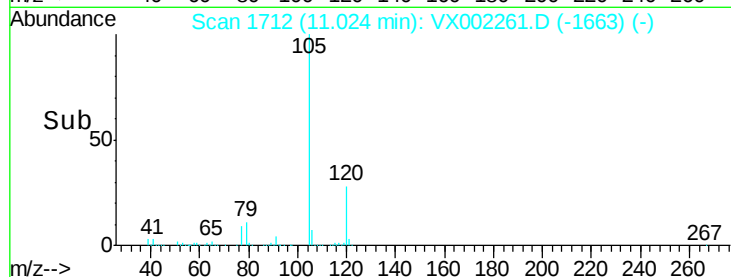
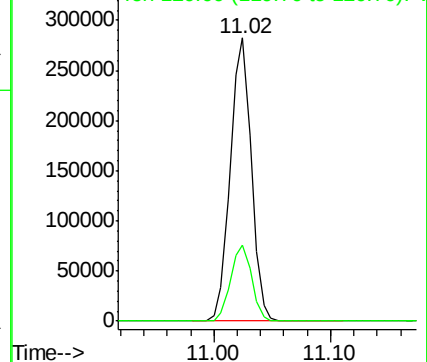
MMDadoda

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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: 18.778 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion: 43 Resp: 173531

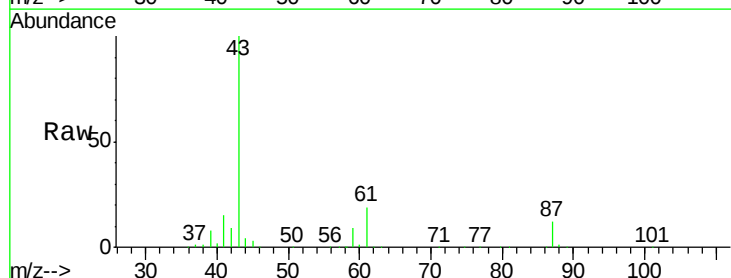
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.0 14.4 21.6

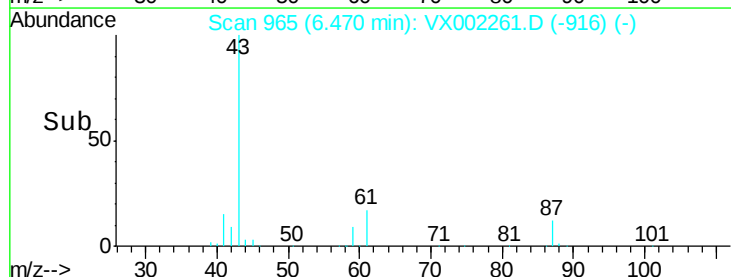
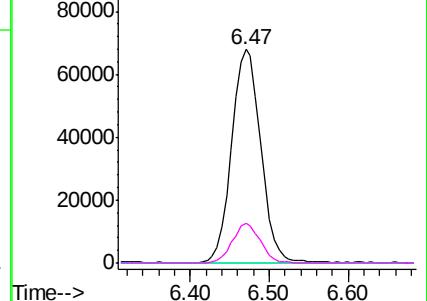


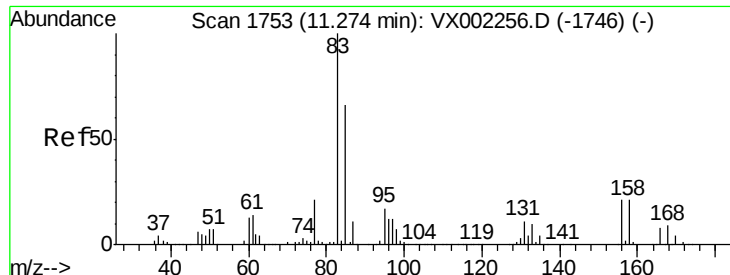
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 18.615 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

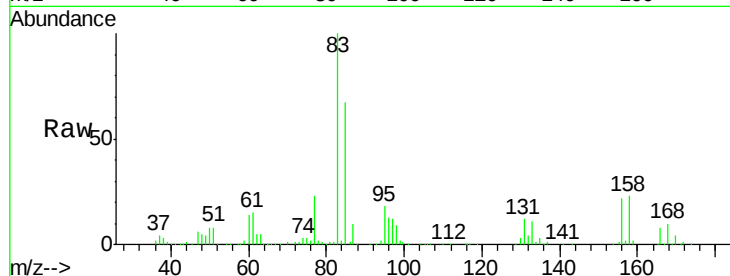
ClientSampled :

VX0604WBS01

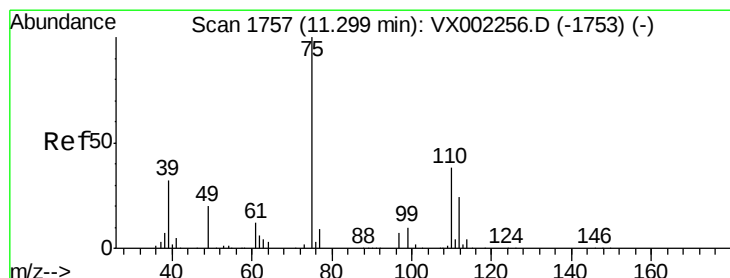
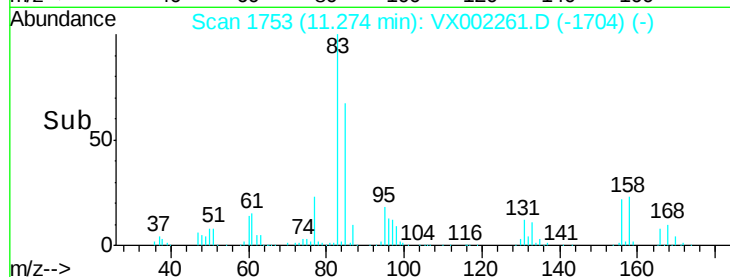
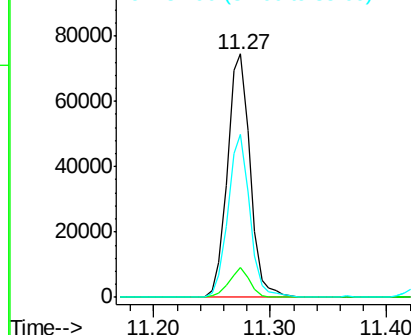
Tot Ion:	83	Resp:	100409
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	64.4	32.4	97.2

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



#76

1,2,3-Trichloropropane

Concen: 19.303 ug/l m

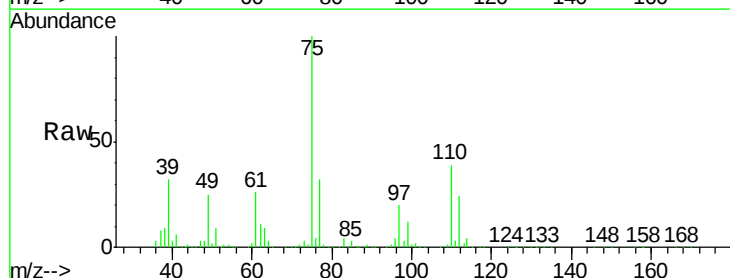
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

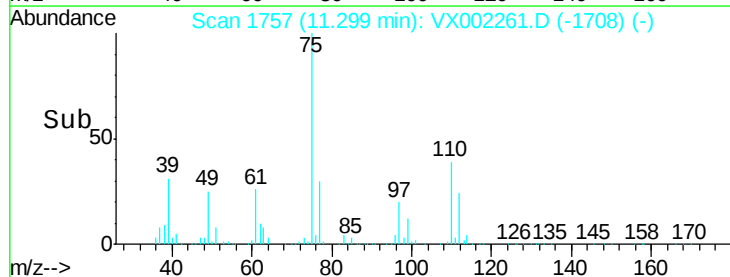
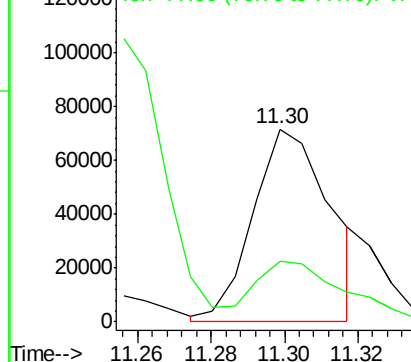
Lab File: VX002261.D

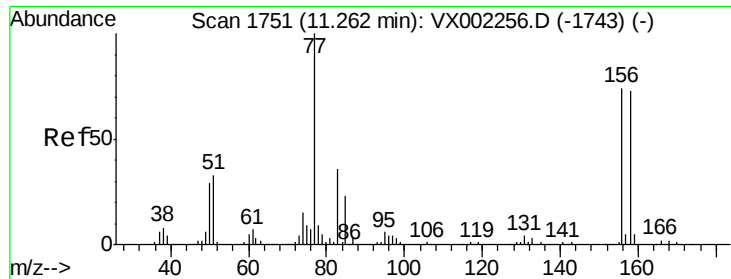
Acq: 04 Jun 2018 15:41

Tgt Ion:	75	Resp:	104421
Ion Ratio	Lower	Upper	
75	100		
77	37.4	22.8	68.3



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





#77

Bromobenzene

Concen: 19.446 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

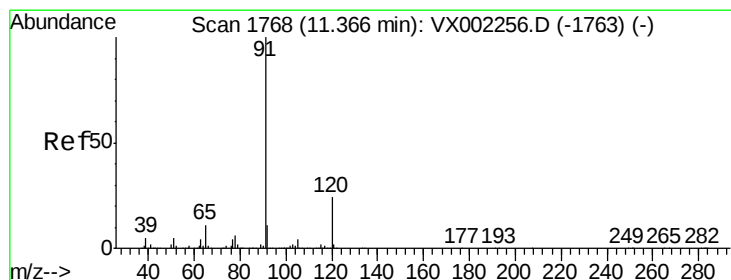
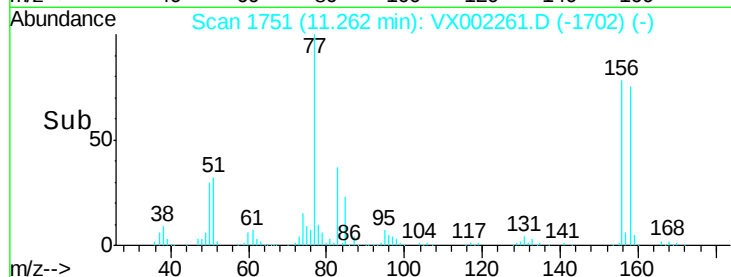
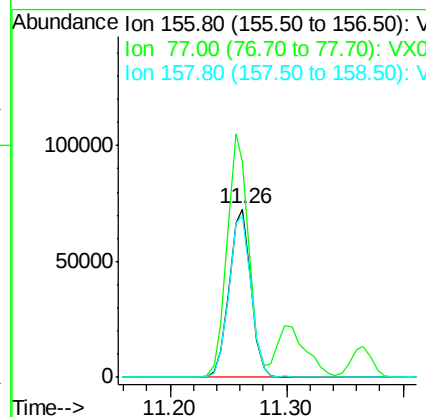
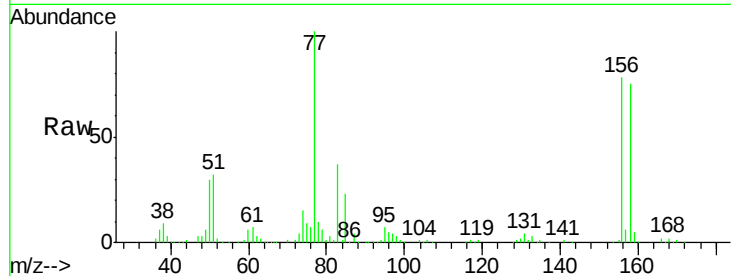
ClientSampled :

VX0604WBS01

Tot Ion:	156	Resp:	93629
Ion	Ratio	Lower	Upper
156	100		
77	142.4	71.4	214.2
158	98.1	48.9	146.6

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#78

n-propylbenzene

Concen: 20.957 ug/l

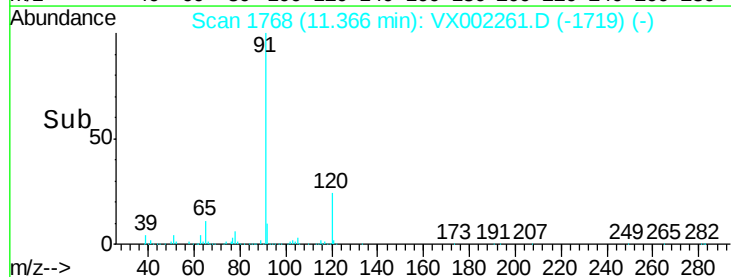
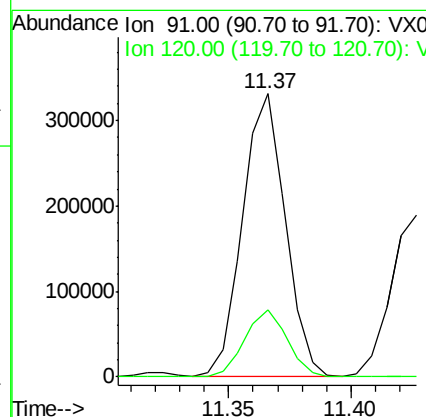
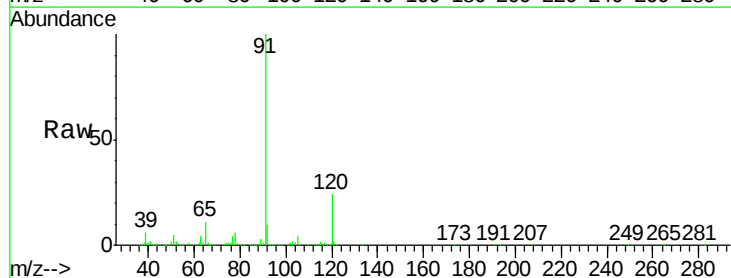
RT: 11.37 min Scan# 1768

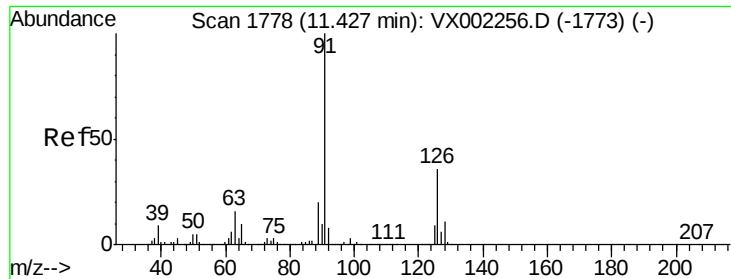
Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion:	91	Resp:	399488
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.8	35.4





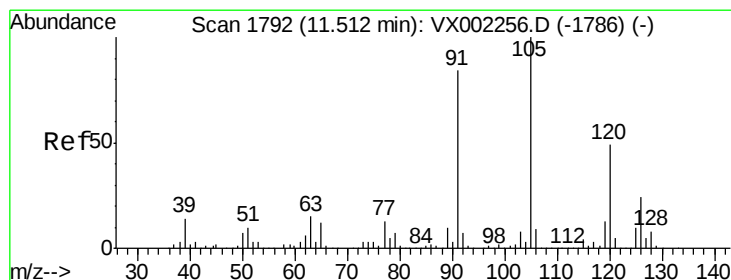
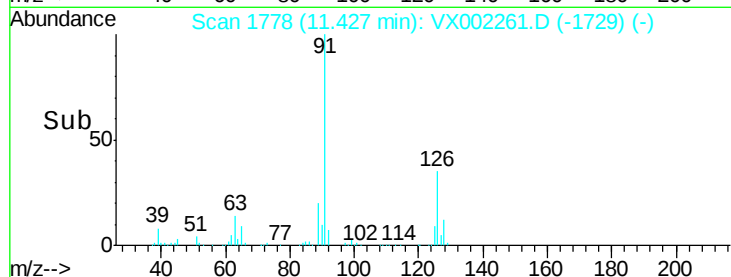
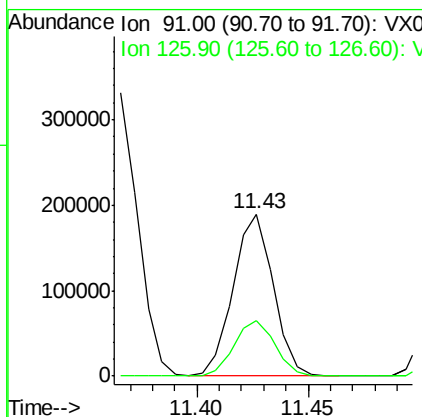
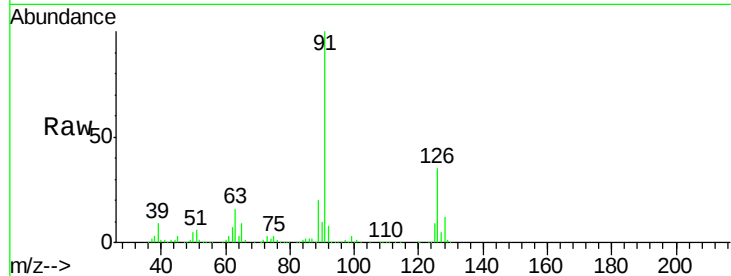
#79
2-Chlorotoluene
Concen: 19.701 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion: 91 Resp: 237135
Ion Ratio Lower Upper
91 100
126 35.2 17.7 53.1

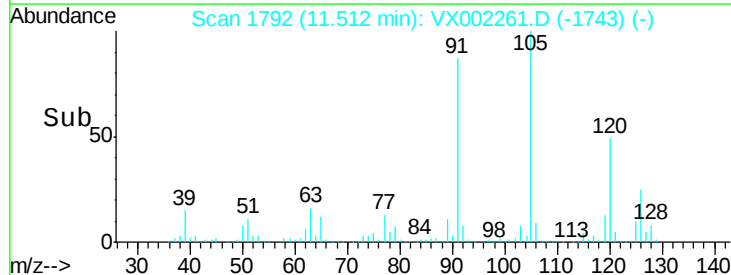
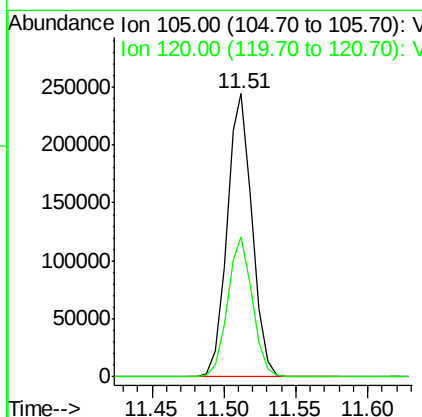
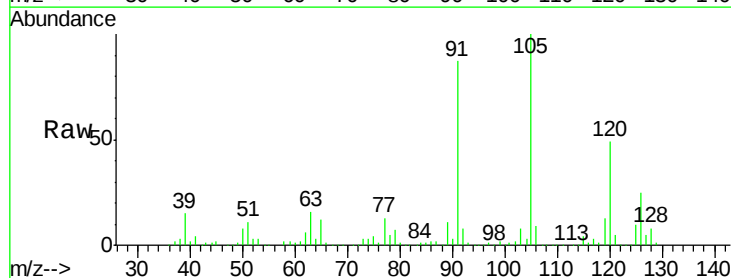
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#80
1,3,5-Trimethylbenzene
Concen: 20.213 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion: 105 Resp: 297333
Ion Ratio Lower Upper
105 100
120 49.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.379 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

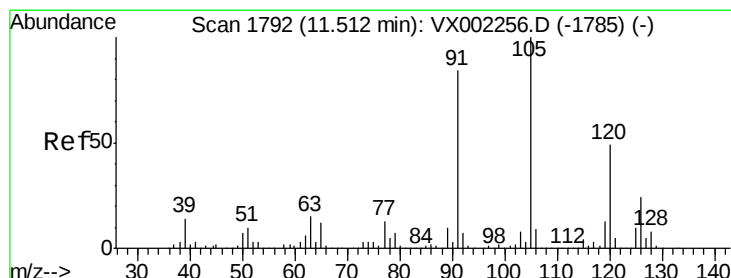
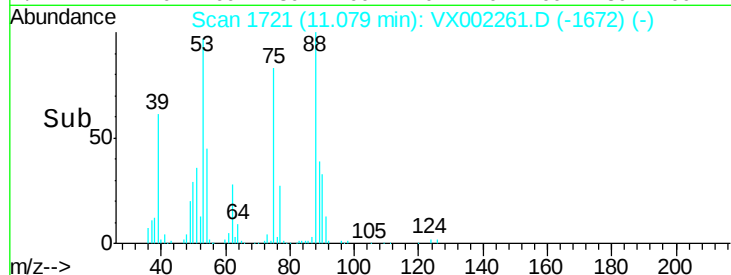
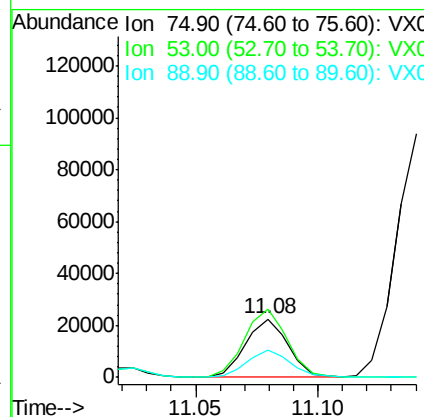
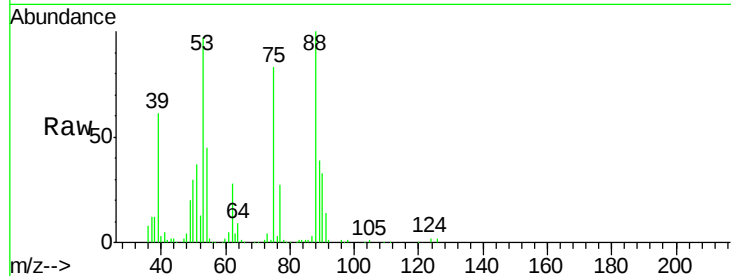
ClientSampleId :

VX0604WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.8	86.8	130.2
89	49.0	38.2	57.2

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#82

4-Chlorotoluene

Concen: 19.885 ug/l

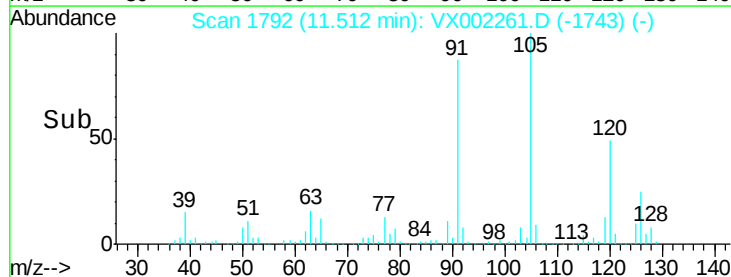
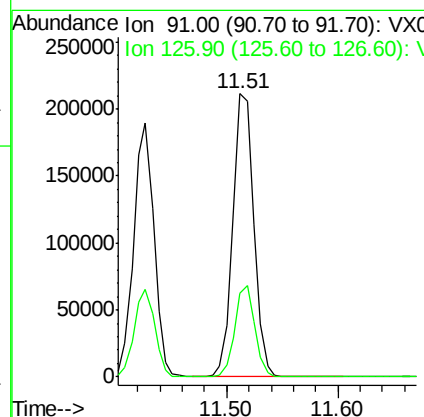
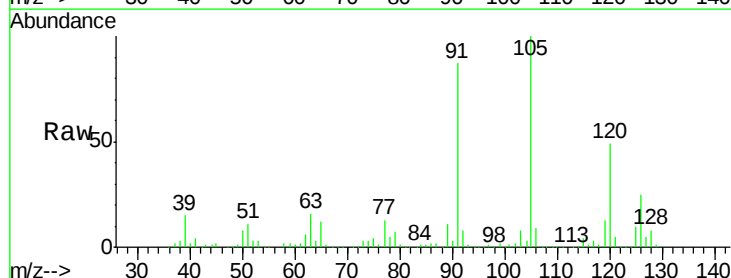
RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.4	46.4





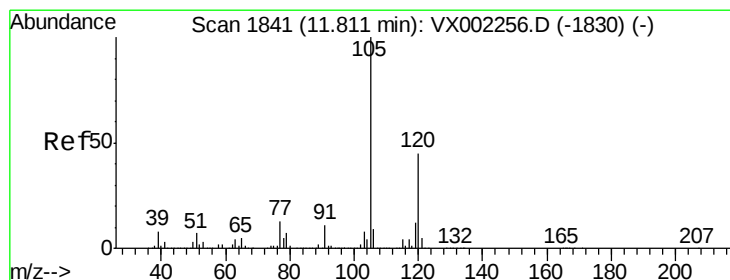
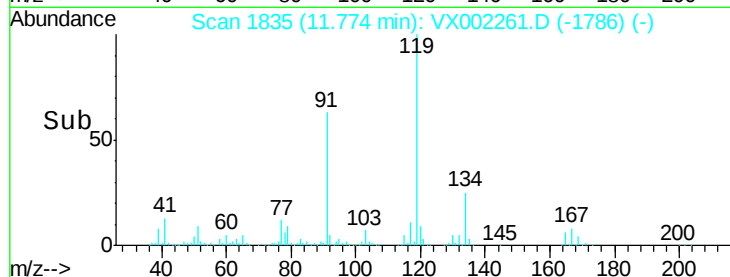
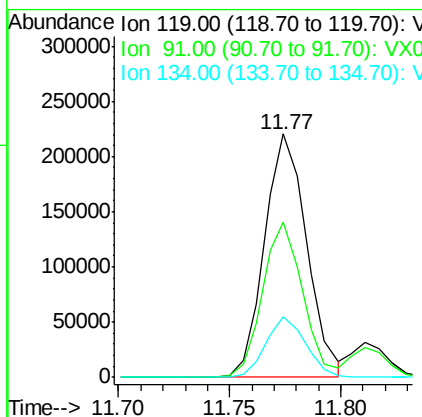
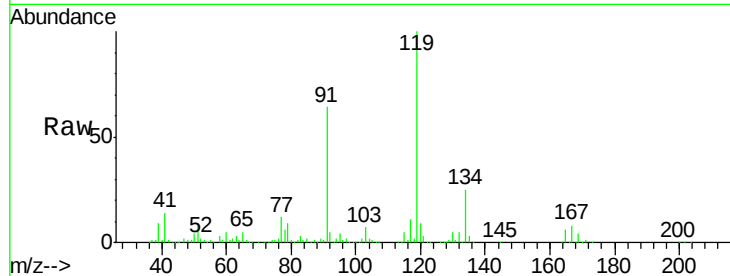
#83
tert-Butylbenzene
Concen: 20.231 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.3	90.9
134	23.6	11.7	35.1

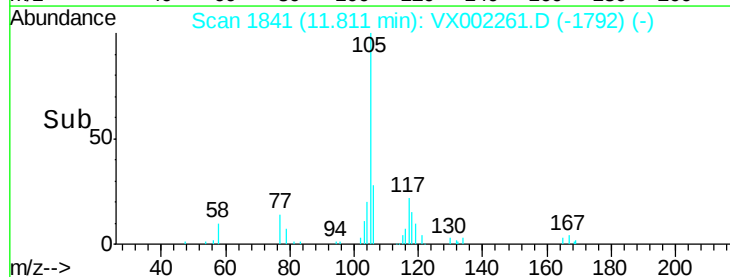
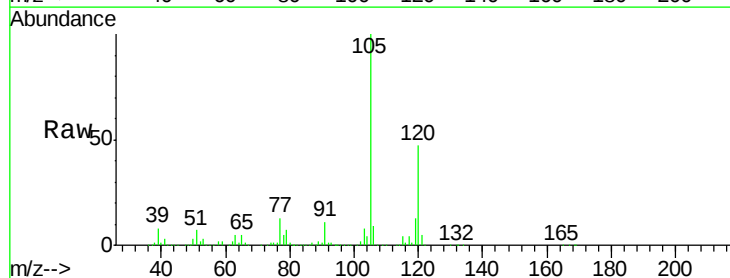
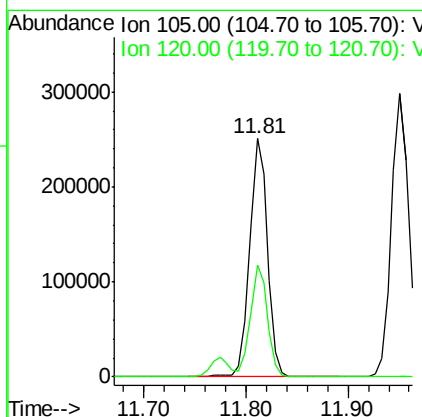
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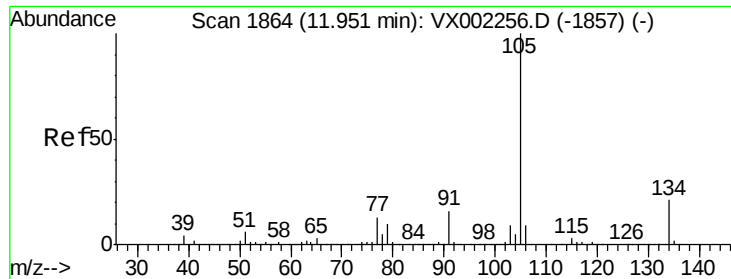
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#84
1,2,4-Trimethylbenzene
Concen: 20.208 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.8





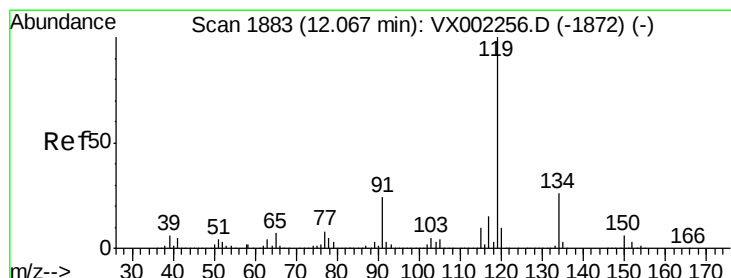
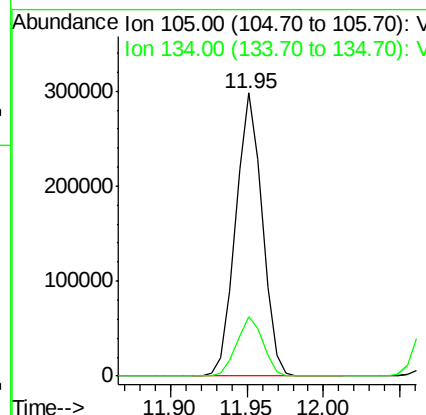
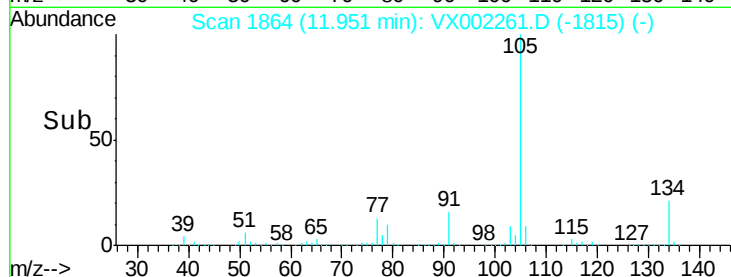
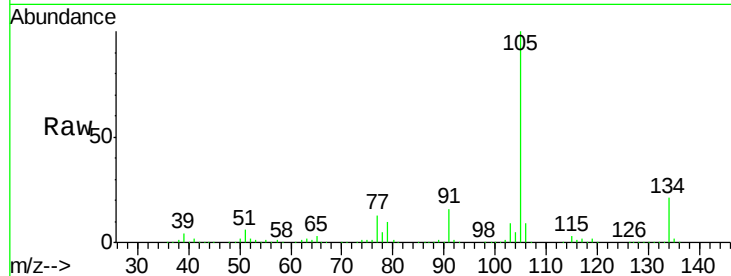
#85
 sec-Butylbenzene
 Concen: 21.238 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0604WBS01

Tot Ion:105 Resp: 356651
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.1

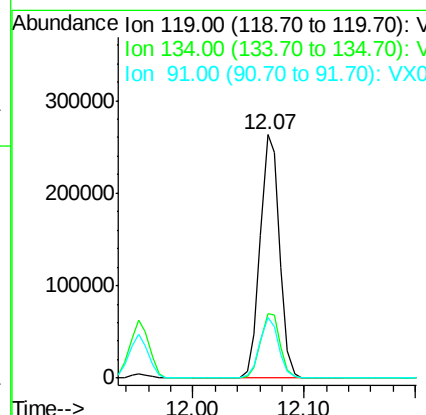
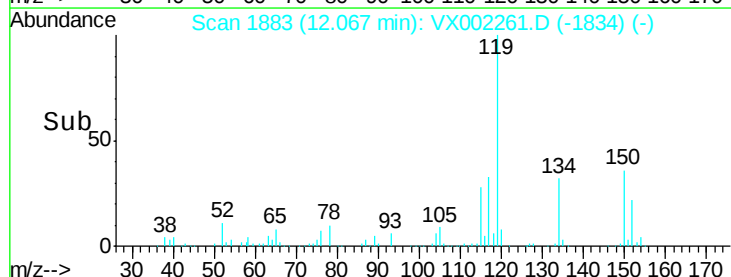
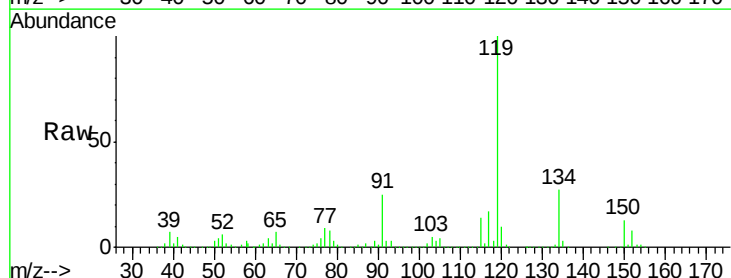
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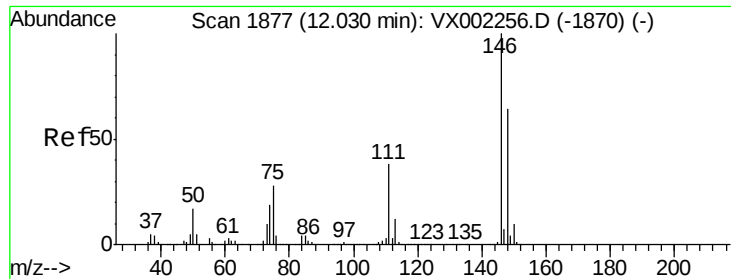
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#86
 p-Isopropyltoluene
 Concen: 20.946 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Tgt Ion:119 Resp: 320396
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.1
 91 24.1 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.369 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

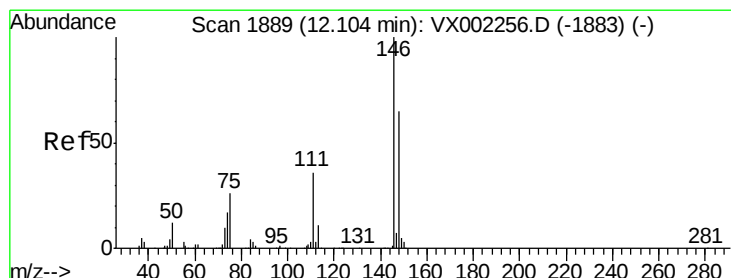
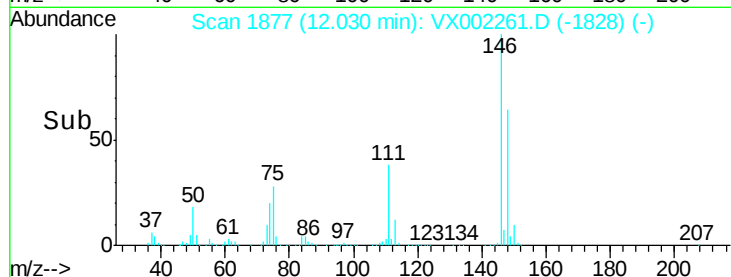
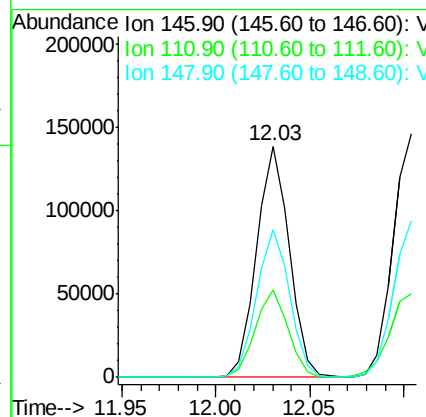
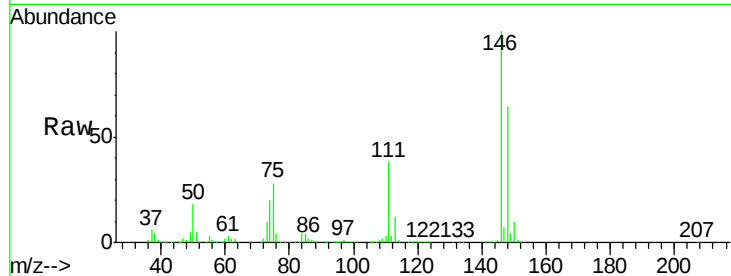
ClientSampled :

VX0604WBS01

Tot Ion:	146	Resp:	166745
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.9	56.7
148	64.9	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 19.386 ug/l

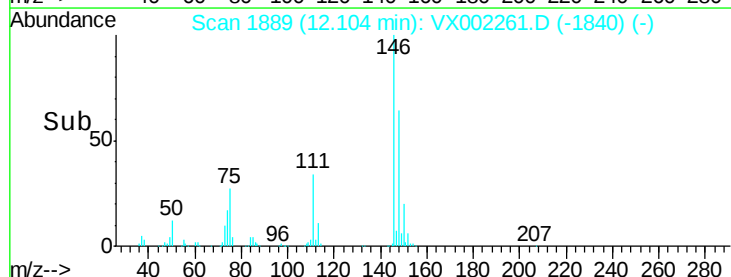
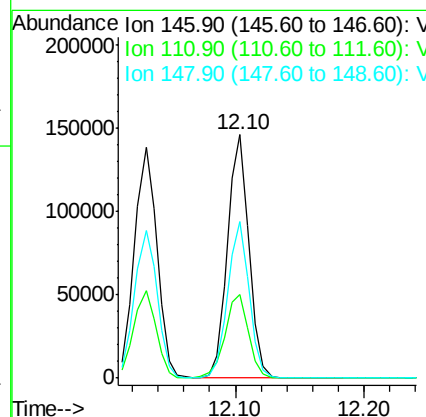
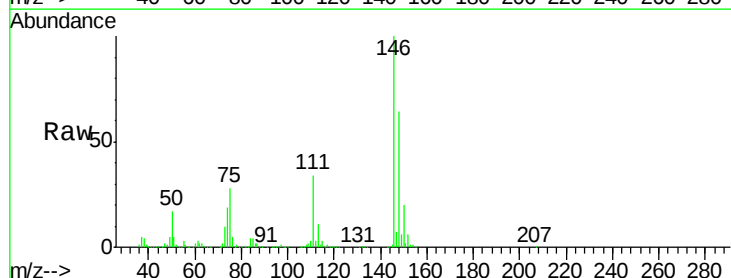
RT: 12.10 min Scan# 1889

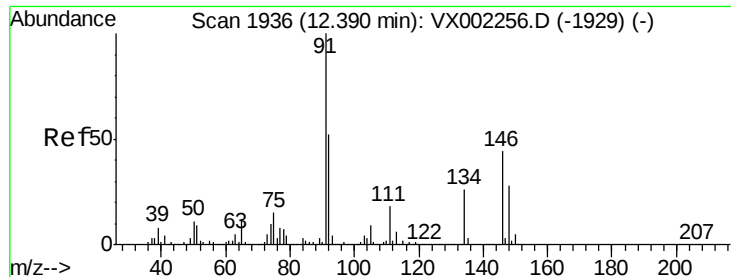
Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion:	146	Resp:	172027
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.7	56.1
148	64.4	32.4	97.0





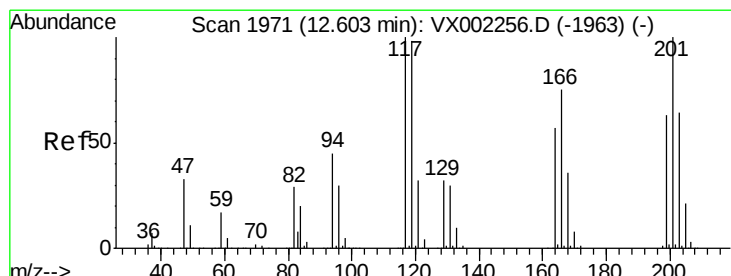
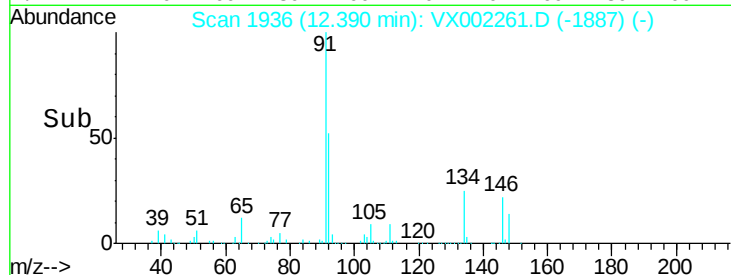
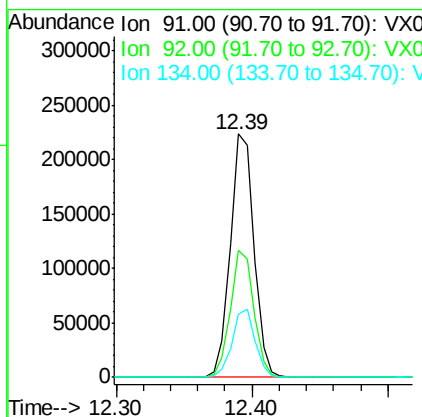
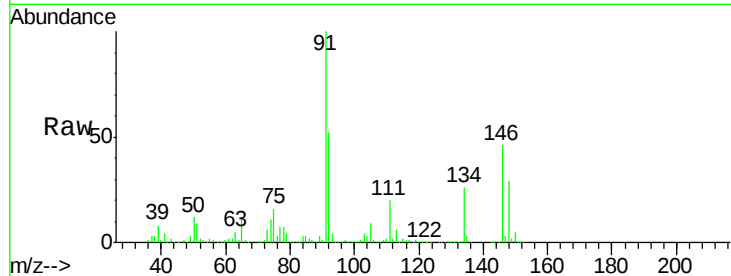
#89
n-Butylbenzene
Concen: 21.067 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	27.1	13.5	40.5

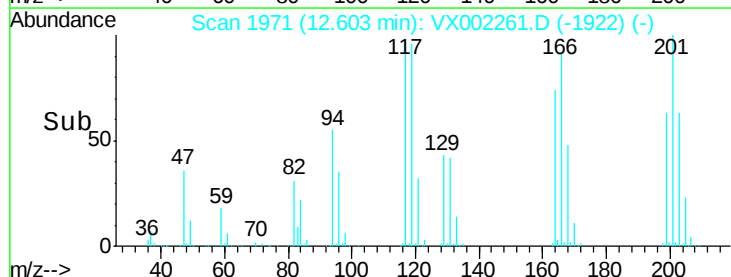
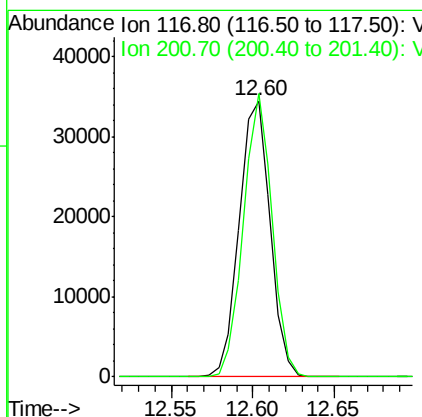
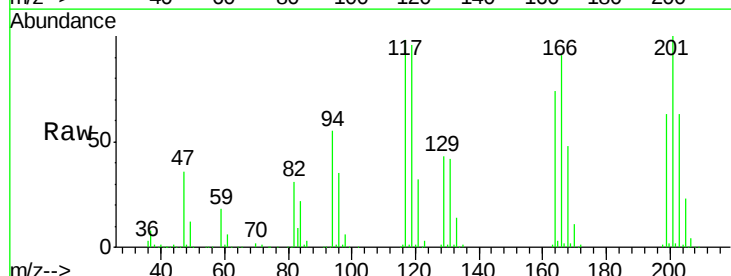
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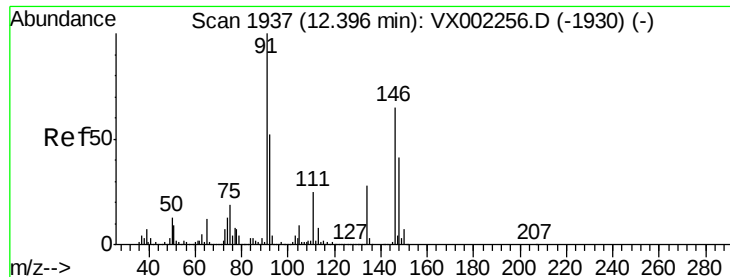
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#90
Hexachloroethane
Concen: 18.660 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002261.D
Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.5	49.0	147.0





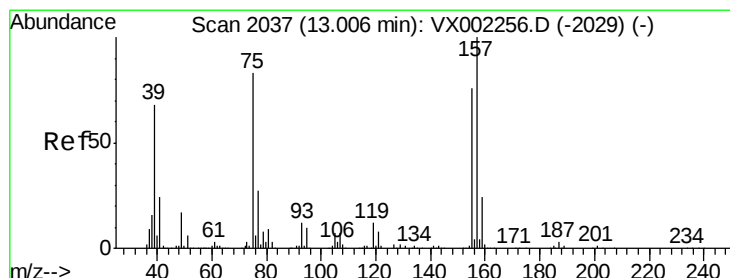
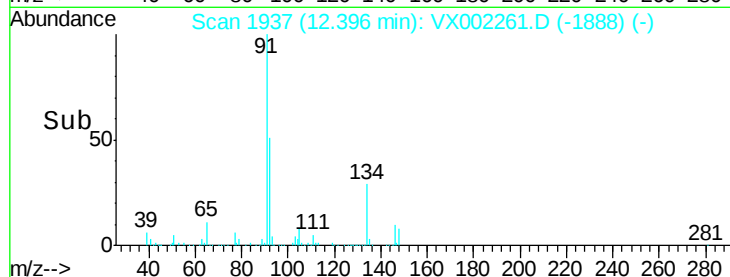
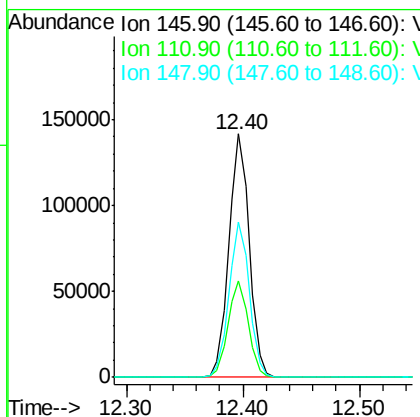
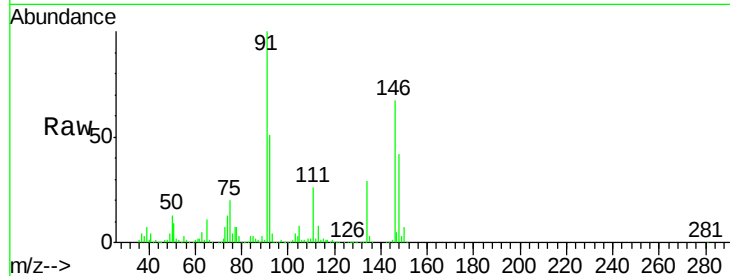
#91
 1,2-Dichlorobenzene
 Concen: 19.378 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	172602		
111	39.3	19.4	58.1	
148	63.7	31.7	95.1	

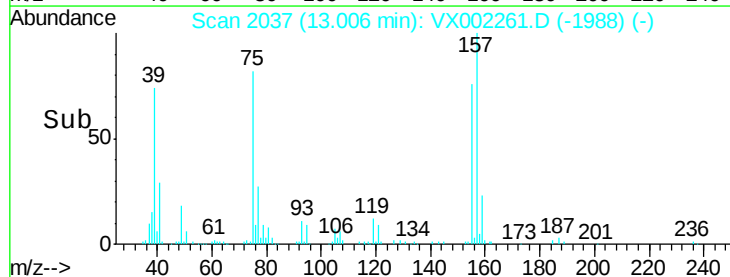
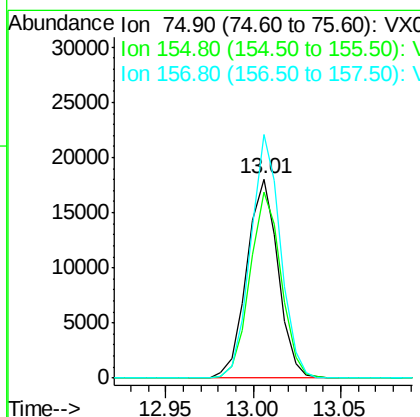
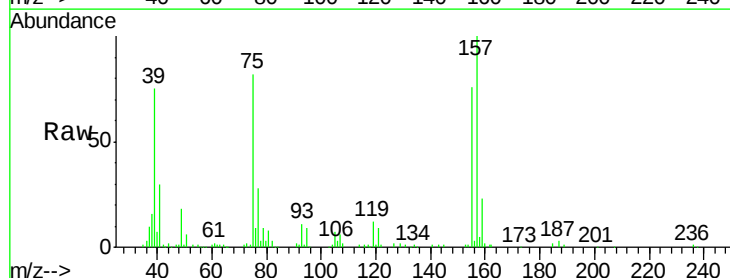
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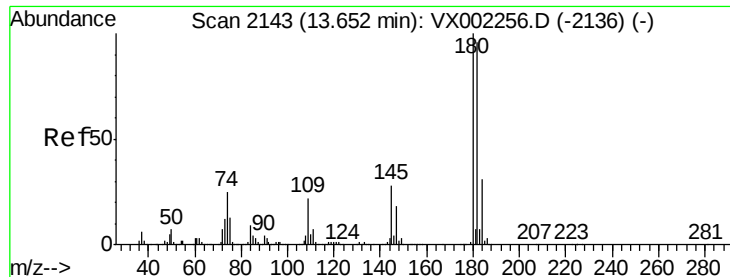
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.018 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22433		
155	92.9	45.8	137.4	
157	116.5	60.1	180.3	





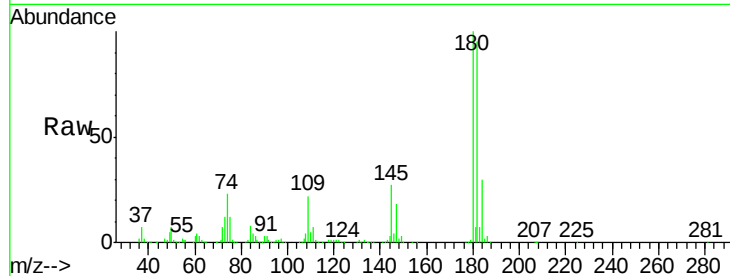
#93
 1,2,4-Trichlorobenzene
 Concen: 19.581 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Instrument :
 MSVOA_X
 ClientSampled :
 VX0604WBS01

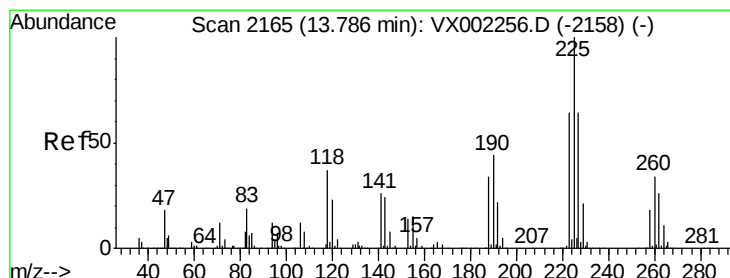
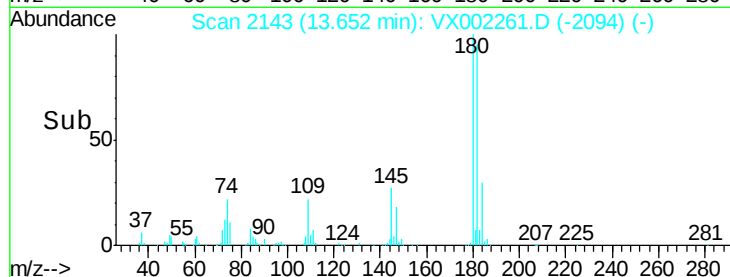
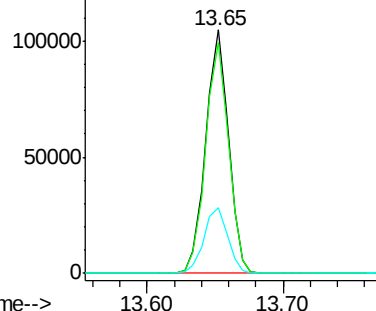
Tot Ion	Ratio	Resp	Lower	Upper
180	100	122295		
182	95.7	47.7	143.1	
145	28.2	14.1	42.4	

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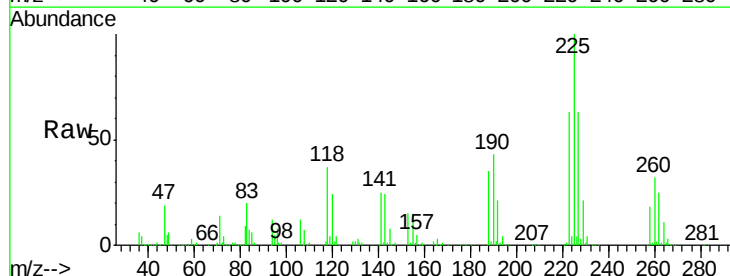


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

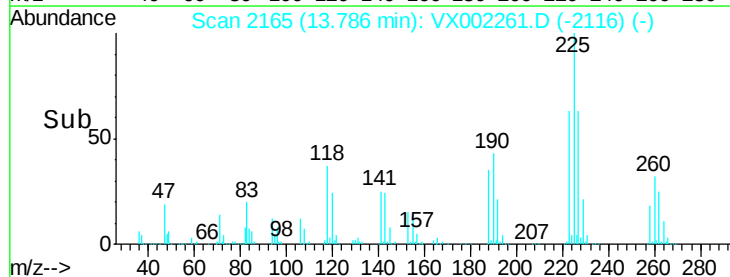
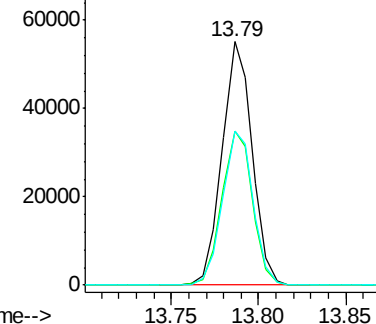


#94
 Hexachlorobutadiene
 Concen: 21.399 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002261.D
 Acq: 04 Jun 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66043		
223	64.5	31.6	95.0	
227	64.4	32.4	97.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.747 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Instrument :

MSVOA_X

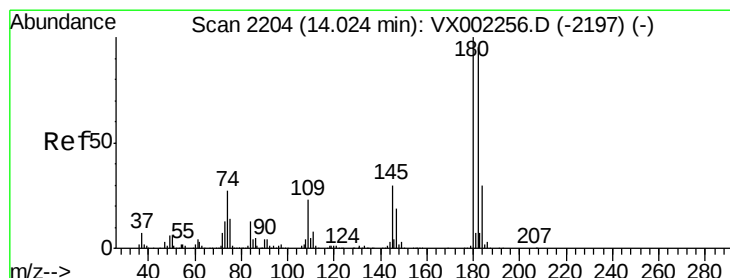
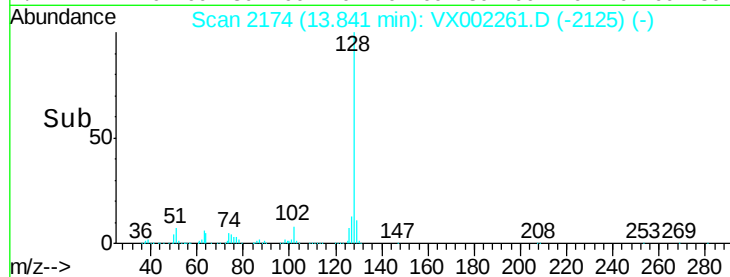
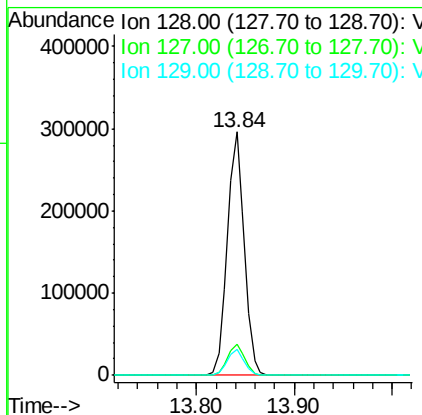
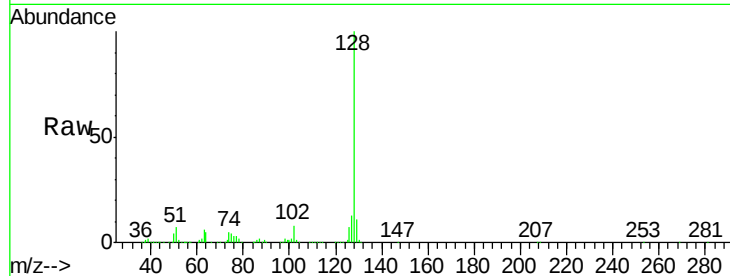
ClientSampleId :

VX0604WBS01

Tot Ion:	128	Resp:	354364
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:05 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.969 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002261.D

Acq: 04 Jun 2018 15:41

Tgt Ion:	180	Resp:	127194
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.0	144.0
145	29.5	14.8	44.3

