

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002506.D
 Acq On : 13 Jun 2018 13:03
 Operator : JC/MD
 Sample : VX0613WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 11:29:24 AM

Quant Time: Jun 14 02:15:56 2018
 Quant Method : Z:\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	243840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	353019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	215294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	157117	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
35) Dibromofluoromethane	5.51	113	122885	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	
50) Toluene-d8	8.72	98	460606	43.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.58%	
62) 4-Bromofluorobenzene	11.14	95	173036	42.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.34%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	47271	18.649	ug/l	98
3) Chloromethane	1.32	50	56274	17.510	ug/l	99
4) Vinyl Chloride	1.41	62	63620	19.915	ug/l	100
5) Bromomethane	1.64	94	37150	18.442	ug/l	97
6) Chloroethane	1.72	64	42317	20.478	ug/l	99
7) Trichlorofluoromethane	1.93	101	112845	23.184	ug/l	97
8) Diethyl Ether	2.19	74	40661	22.174	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	62660	23.855	ug/l	99
10) Methyl Iodide	2.51	142	58817	15.920	ug/l	98
11) Tert butyl alcohol	3.07	59	86922	110.596	ug/l	99
12) 1,1-Dichloroethene	2.37	96	55681	21.450	ug/l	99
13) Acrolein	2.29	56	23900	61.682	ug/l	99
14) Allyl chloride	2.73	41	112382	19.949	ug/l	99
15) Acrylonitrile	3.15	53	180499	116.453	ug/l	100
16) Acetone	2.45	43	189932	116.408	ug/l	98
17) Carbon Disulfide	2.57	76	114387	16.719	ug/l	99
18) Methyl Acetate	2.78	43	88165	23.826	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	216970	22.697	ug/l	100
20) Methylene Chloride	2.86	84	64649	21.895	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	59760	20.876	ug/l	95
22) Diisopropyl ether	3.88	45	196778	20.017	ug/l	100
23) Vinyl Acetate	3.83	43	840184	92.001	ug/l	99
24) 1,1-Dichloroethane	3.70	63	119898	21.534	ug/l	99
25) 2-Butanone	4.71	43	234051	97.895	ug/l	100
26) 2,2-Dichloropropane	4.59	77	79900	18.358	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	59174	19.008	ug/l	98
28) Bromochloromethane	5.03	49	54406	20.904	ug/l	100
29) Tetrahydrofuran	5.17	42	145063	94.107	ug/l	99
30) Chloroform	5.22	83	107276	19.967	ug/l	97
31) Cyclohexane	5.58	56	84194	19.123	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	90136	19.782	ug/l	99
36) 1,1-Dichloropropene	5.80	75	73418	19.783	ug/l	99
37) Ethyl Acetate	4.87	43	89291	20.006	ug/l	99
38) Carbon Tetrachloride	5.79	117	76959	19.822	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 11:29:24 AM

Quant Time: Jun 14 02:15:56 2018
 Quant Method : Z:\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)
39) Methylcyclohexane	7.46	83	86770	19.088	ug/l	99
40) Benzene	6.15	78	227395	19.983	ug/l	98
41) Methacrylonitrile	5.07	41	49362	19.320	ug/l	97
42) 1,2-Dichloroethane	6.20	62	91137	20.158	ug/l	100
43) Isopropyl Acetate	6.47	43	146116	19.275	ug/l	99
44) Trichloroethene	7.21	130	64230	20.338	ug/l	97
45) 1,2-Dichloropropane	7.52	63	61864	20.138	ug/l	98
46) Dibromomethane	7.67	93	41836	20.089	ug/l	97
47) Bromodichloromethane	7.90	83	73663	19.558	ug/l	97
48) Methyl methacrylate	7.78	41	74976	19.690	ug/l	97
49) 1,4-Dioxane	7.76	88	29050	408.015	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	491418	104.095	ug/l	99
52) Toluene	8.79	92	148308	20.492	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	87002	19.262	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	79031	18.546	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	61265	20.582	ug/l	99
56) Ethyl methacrylate	9.18	69	92974	19.564	ug/l	99
57) 1,3-Dichloropropane	9.37	76	101075	20.240	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	247528	112.535	ug/l	100
59) 2-Hexanone	9.50	43	377918	103.640	ug/l	99
60) Dibromochloromethane	9.59	129	58998	19.705	ug/l	97
61) 1,2-Dibromoethane	9.68	107	63942	20.602	ug/l	98
64) Tetrachloroethene	9.34	164	71216	20.167	ug/l	99
65) Chlorobenzene	10.14	112	169944	19.946	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	60220	19.520	ug/l	99
67) Ethyl Benzene	10.26	91	291006	20.409	ug/l	99
68) m/p-Xylenes	10.36	106	224582	40.518	ug/l	99
69) o-Xylene	10.70	106	111036	20.130	ug/l	98
70) Styrene	10.71	104	183393	20.338	ug/l	99
71) Bromoform	10.86	173	43129	17.988	ug/l #	99
73) Isopropylbenzene	11.02	105	305724	20.413	ug/l	100
74) N-amyl acetate	6.47	43	146116	18.106	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	92557	19.649	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	92633m	19.609	ug/l	
77) Bromobenzene	11.26	156	81185	19.309	ug/l	98
78) n-propylbenzene	11.37	91	349620	21.003	ug/l	99
79) 2-Chlorotoluene	11.43	91	205041	19.507	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	253656	19.746	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	21602	16.029	ug/l	86
82) 4-Chlorotoluene	11.51	91	239658	19.754	ug/l	100
83) tert-Butylbenzene	11.77	119	251366	20.094	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	264872	20.030	ug/l	99
85) sec-Butylbenzene	11.95	105	315800	21.534	ug/l	100
86) p-Isopropyltoluene	12.07	119	282392	21.141	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	148527	19.756	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	153990	19.872	ug/l	99
89) n-Butylbenzene	12.39	91	246448	21.998	ug/l	99
90) Hexachloroethane	12.60	117	38131	17.883	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	154784	19.899	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19258	18.696	ug/l	99

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

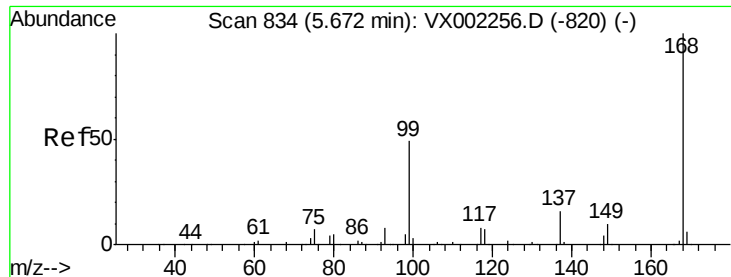
Manual Integrations
APPROVED

MMDadoda
6/14/2018 11:29:24 AM

Quant Time: Jun 14 02:15:56 2018
Quant Method : Z:\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)
93) 1,2,4-Trichlorobenzene	13.65	180	109784	20.129	ug/l	100
94) Hexachlorobutadiene	13.79	225	60856	22.580	ug/l	97
95) Naphthalene	13.84	128	311044	19.849	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	112336	20.196	ug/l	100

(#) = 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: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:168 Resp: 243840

Ion Ratio Lower Upper

168 100

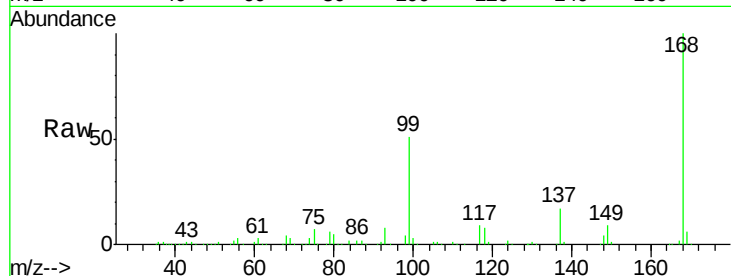
99 51.3 39.3 58.9

Manual Integrations

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6/14/2018 11:29:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

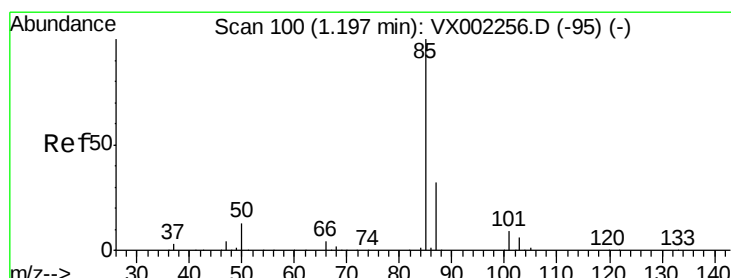
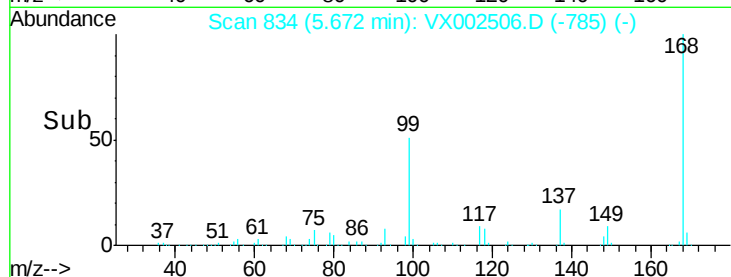
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.649 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002506.D

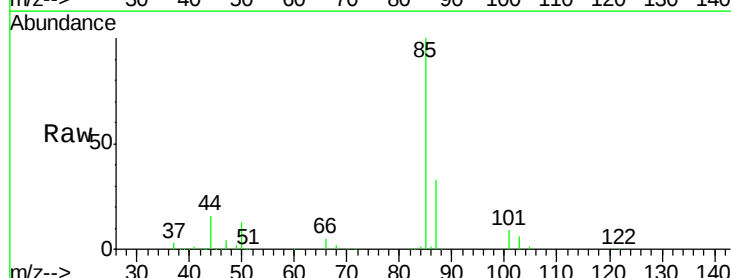
Acq: 13 Jun 2018 13:03

Tgt Ion: 85 Resp: 47271

Ion Ratio Lower Upper

85 100

87 32.8 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

50000

40000

30000

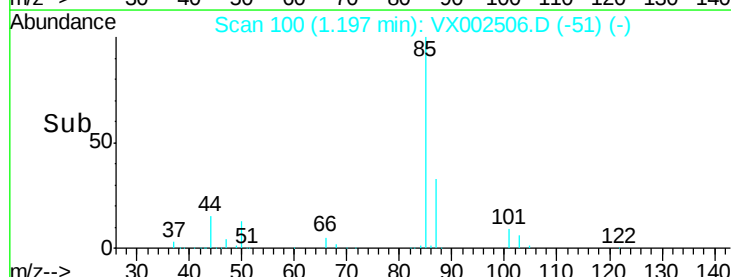
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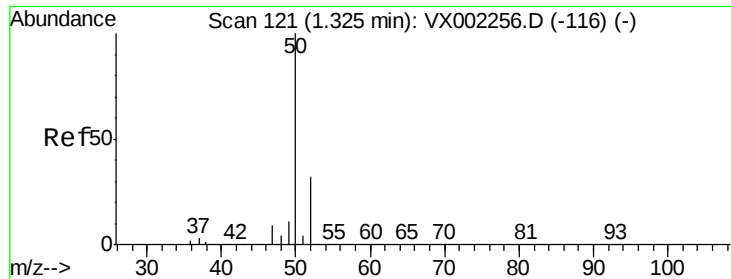
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.510 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 50 Resp: 56274

Ion Ratio Lower Upper

50 100

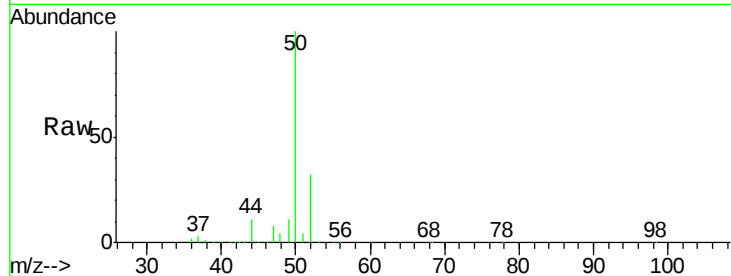
52 31.7 25.7 38.5

Manual Integrations

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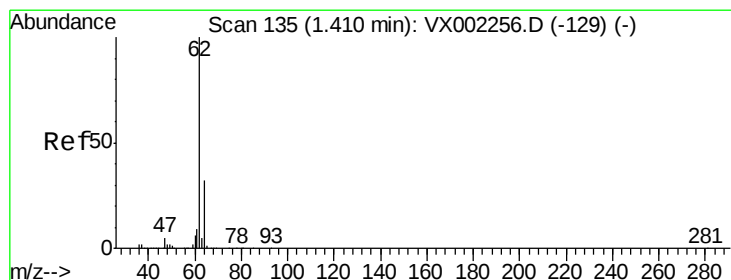
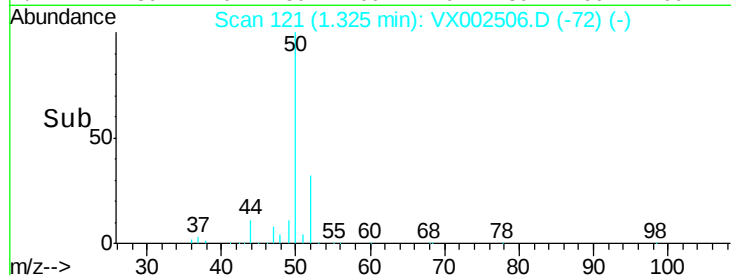
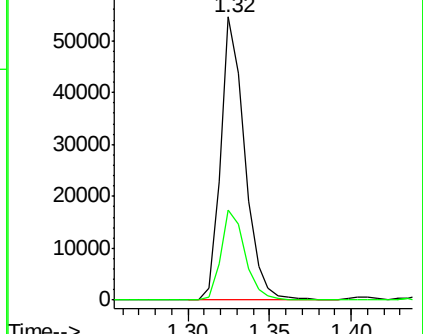
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.915 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002506.D

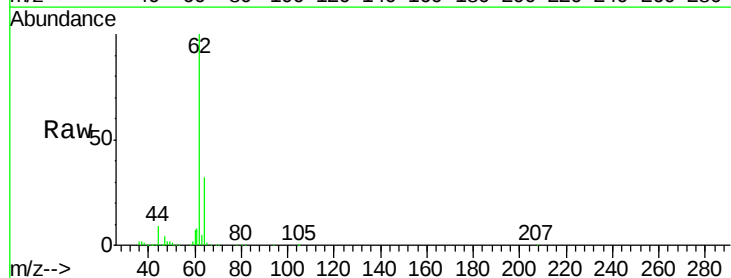
Acq: 13 Jun 2018 13:03

Tgt Ion: 62 Resp: 63620

Ion Ratio Lower Upper

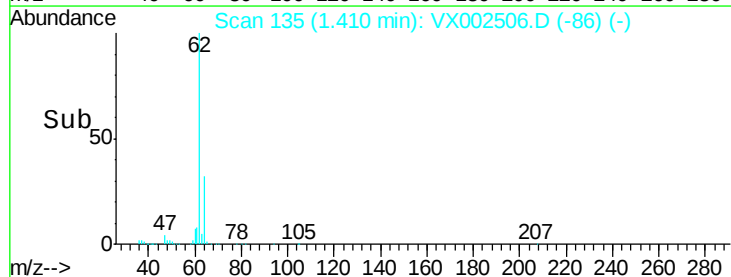
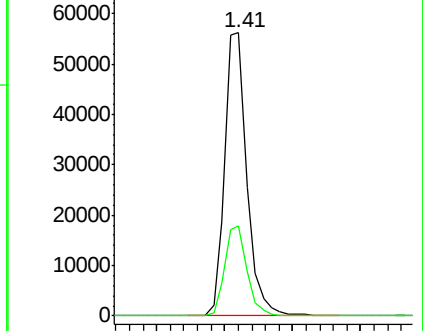
62 100

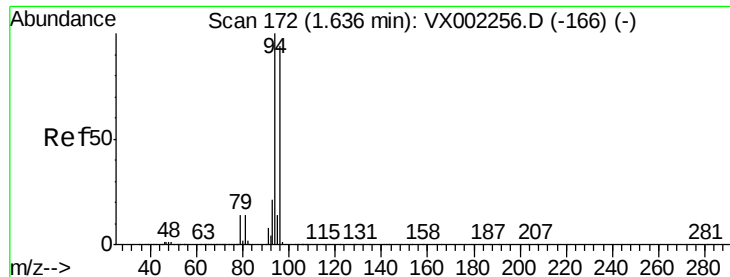
64 31.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.442 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 94 Resp: 37150

Ion Ratio Lower Upper

94 100

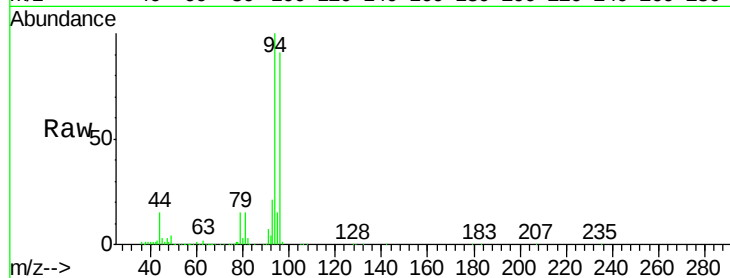
96 90.8 74.9 112.3

Manual Integrations

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6/14/2018 11:29:24 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

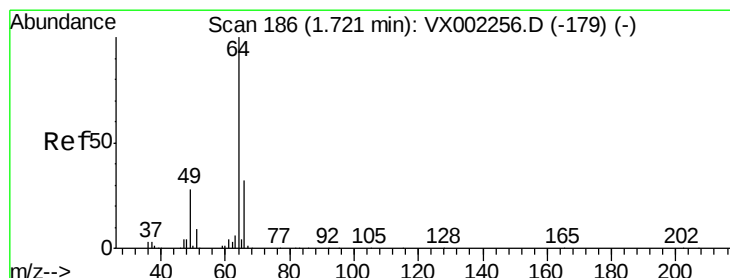
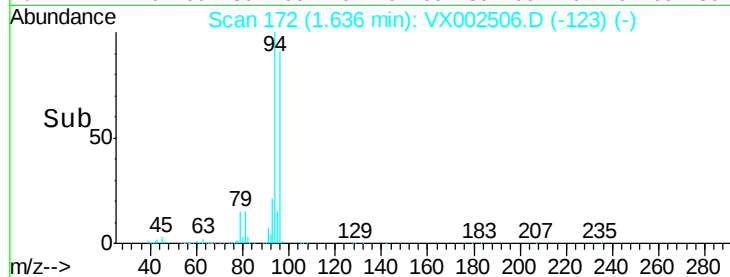
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 20.478 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002506.D

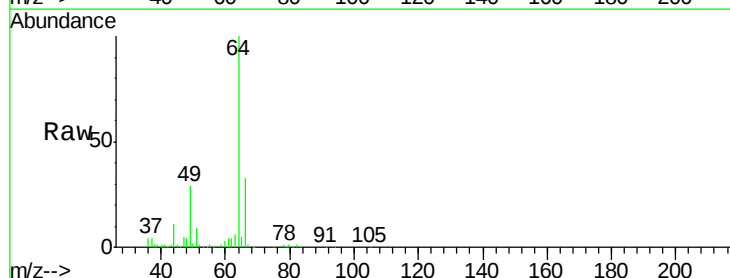
Acq: 13 Jun 2018 13:03

Tgt Ion: 64 Resp: 42317

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

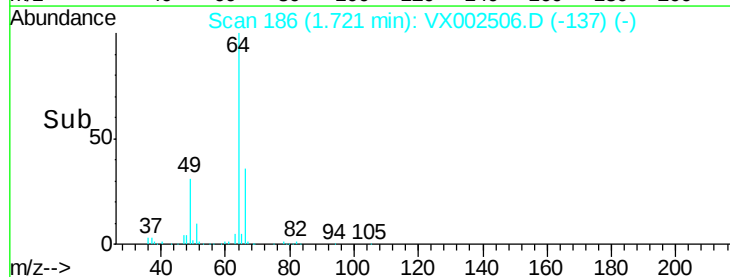
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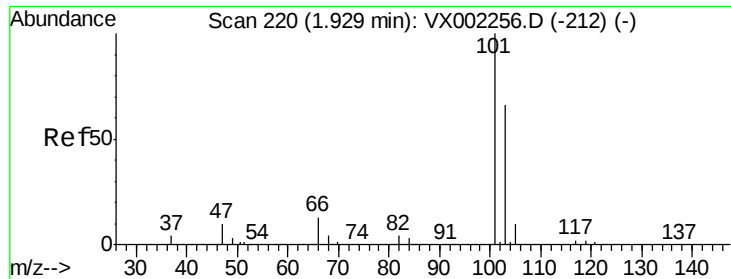
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10000

0

Time-->





#7

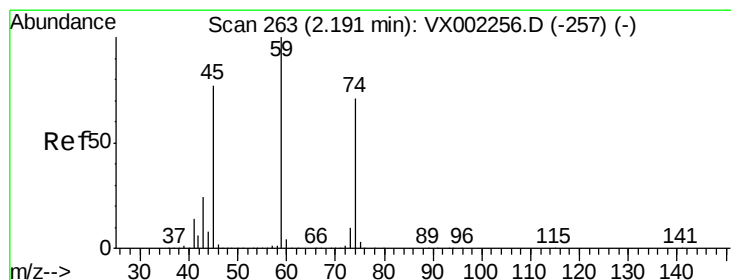
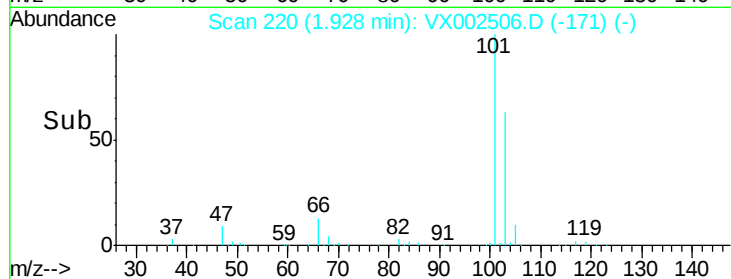
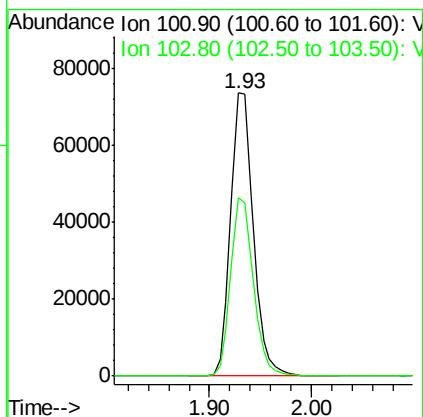
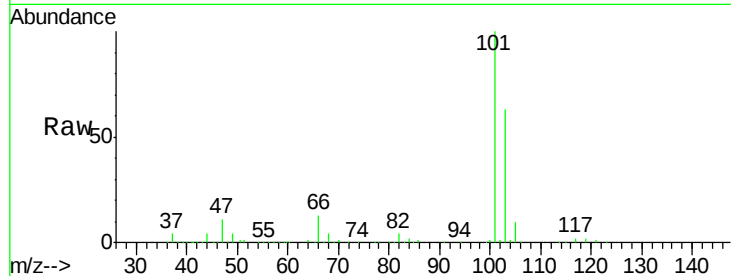
Trichlorofluoromethane
Concen: 23.184 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.8	79.2

Manual Integrations
APPROVED

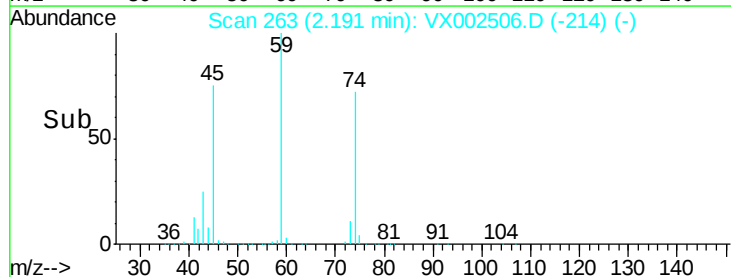
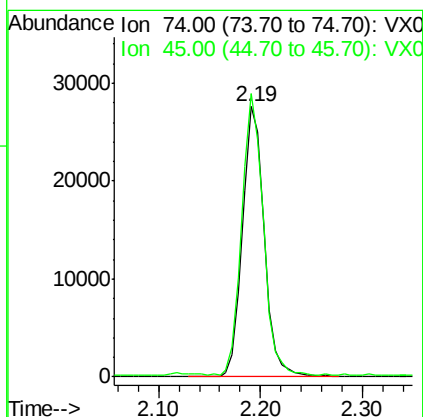
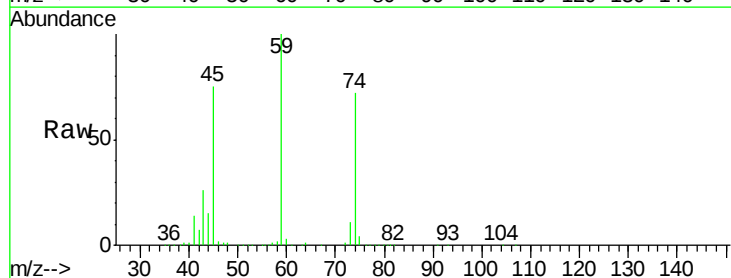
MMDadoda
6/14/2018 11:29:24 AM

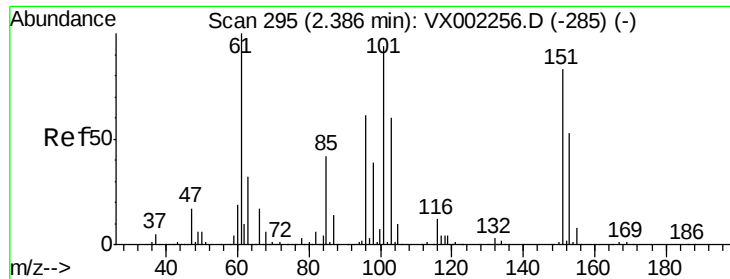


#8

Diethyl Ether
Concen: 22.174 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.855 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

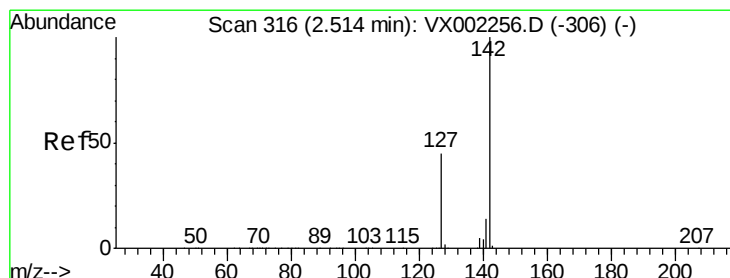
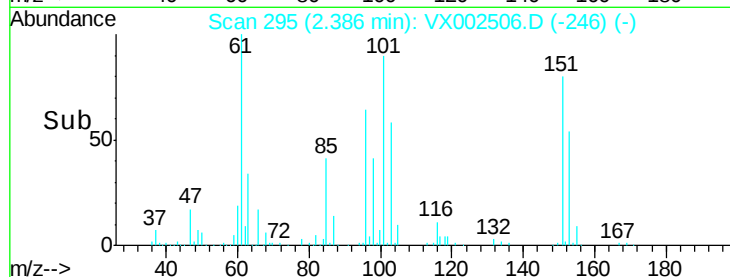
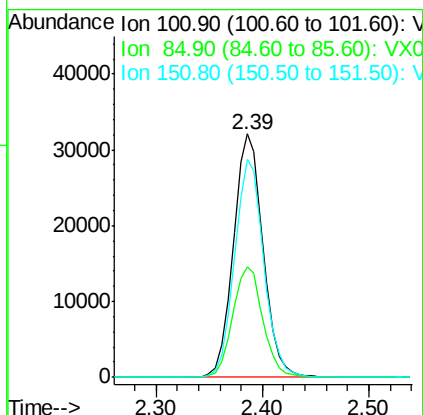
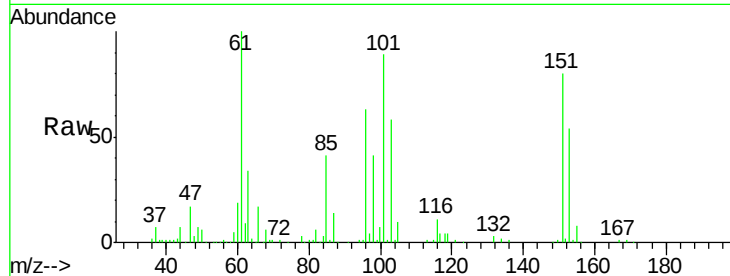
ClientSampleId :

VX0613WBS01

Tot Ion:	101	Resp:	62660
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.0	54.0
151	88.7	70.9	106.3

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#10

Methyl Iodide

Concen: 15.920 ug/l

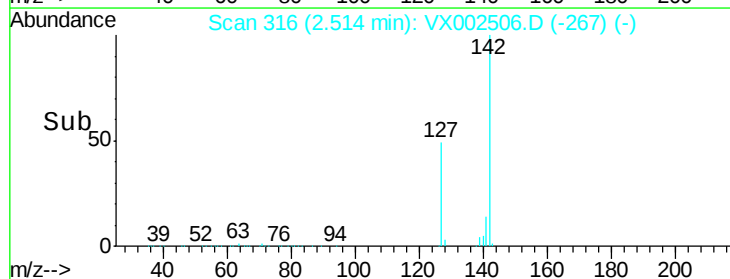
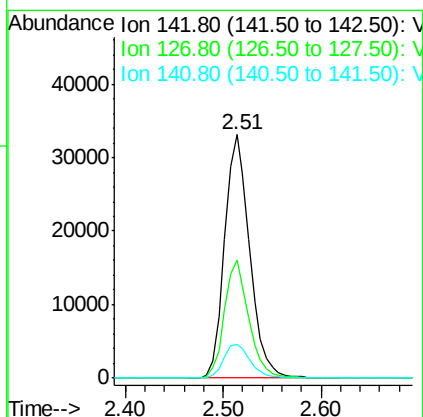
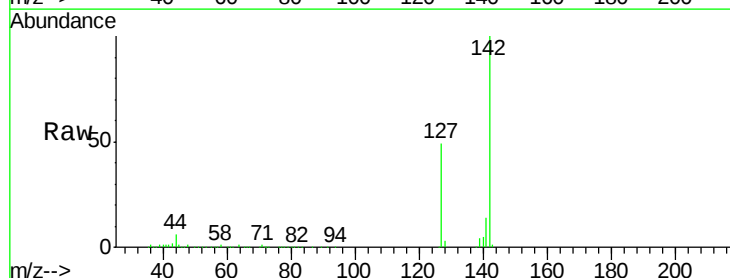
RT: 2.51 min Scan# 316

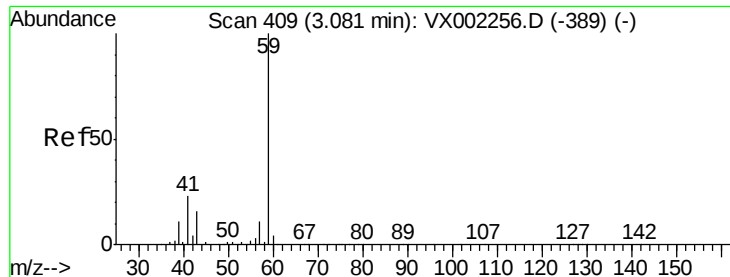
Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Tgt Ion:	142	Resp:	58817
Ion Ratio	Lower	Upper	
142	100		
127	47.2	36.6	55.0
141	14.6	11.3	16.9





#11

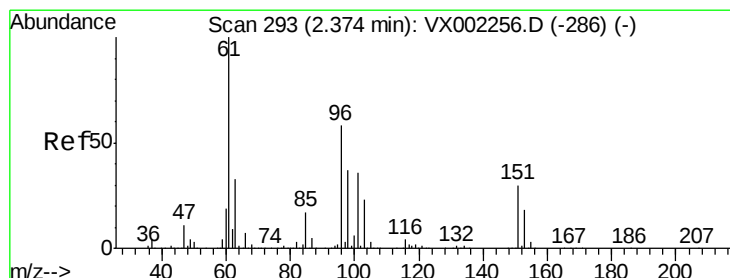
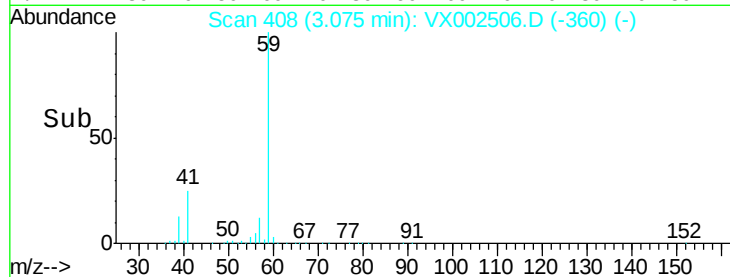
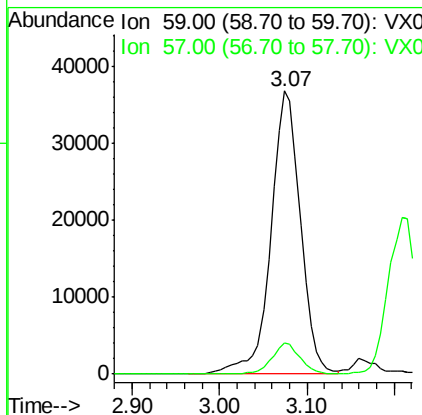
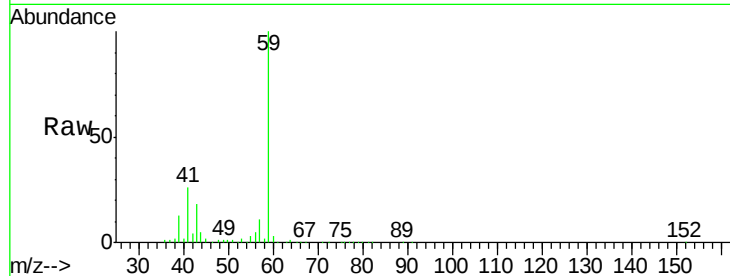
Tert butyl alcohol
 Concen: 110.596 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

Manual Integrations
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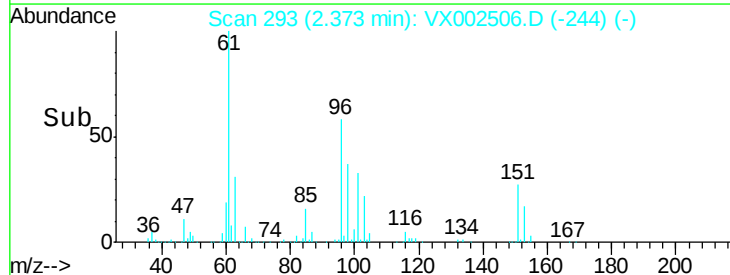
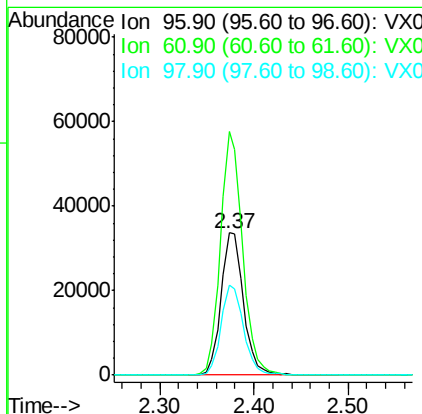
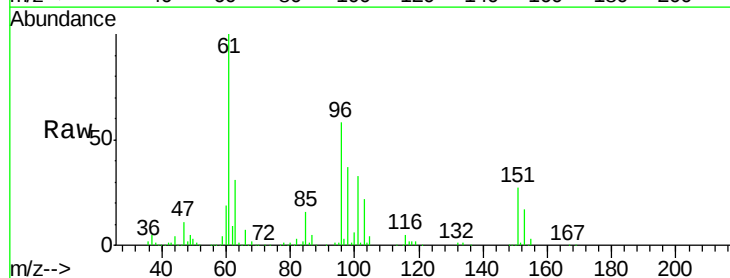
MMDadoda
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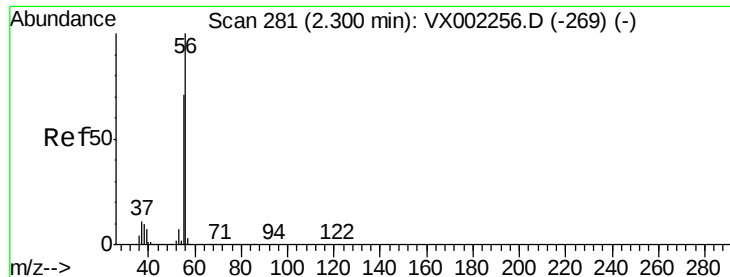


#12

1,1-Dichloroethene
 Concen: 21.450 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.1	137.9	206.9
98	62.9	51.6	77.4





#13

Acrolein

Concen: 61.682 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 56 Resp: 23900

Ion Ratio Lower Upper

56 100

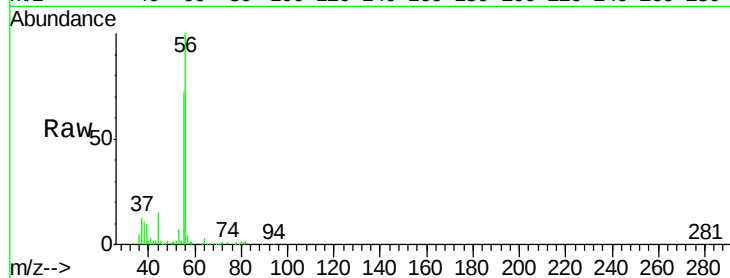
55 72.3 57.0 85.4

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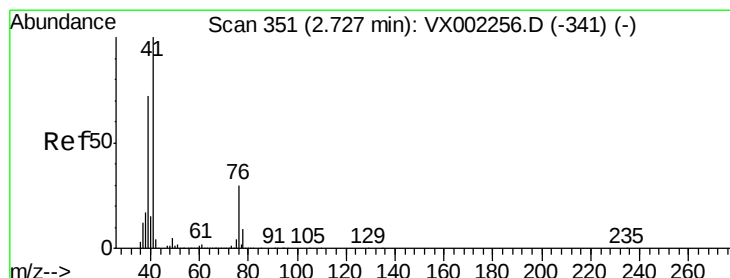
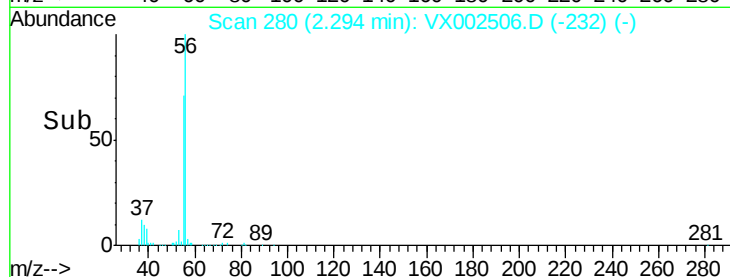
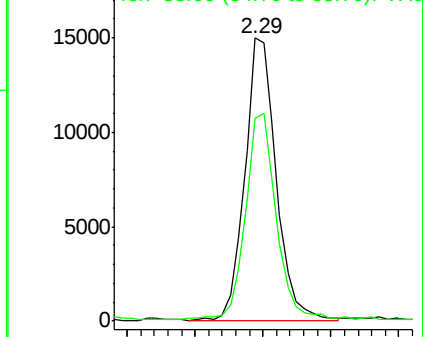
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.949 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

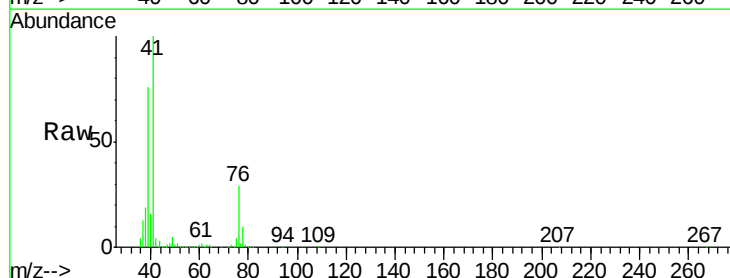
Tgt Ion: 41 Resp: 112382

Ion Ratio Lower Upper

41 100

39 71.4 56.8 85.2

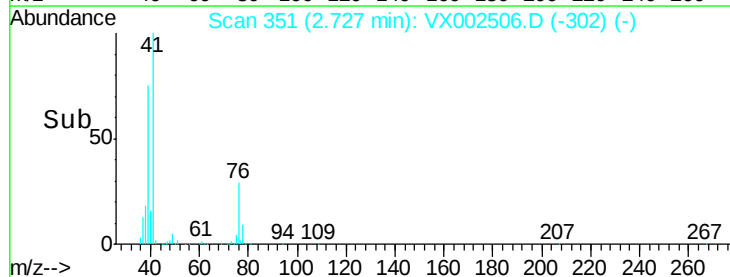
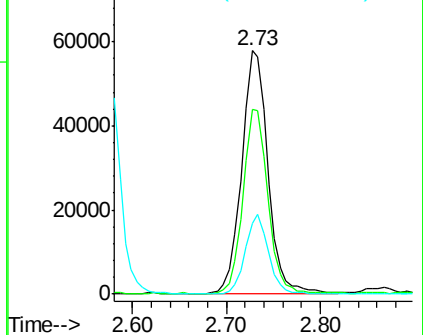
76 29.0 23.8 35.8

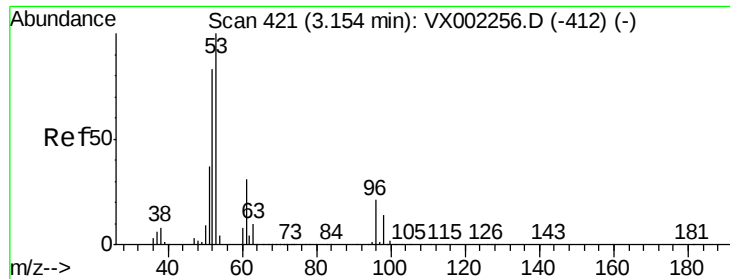


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 116.453 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

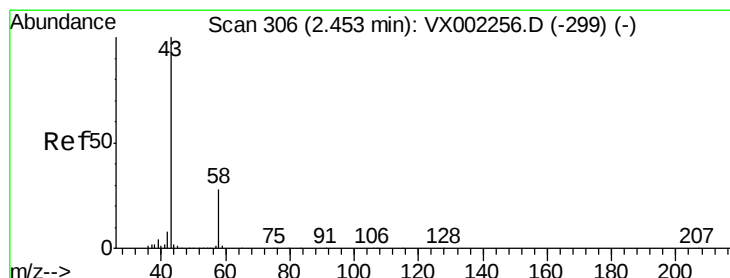
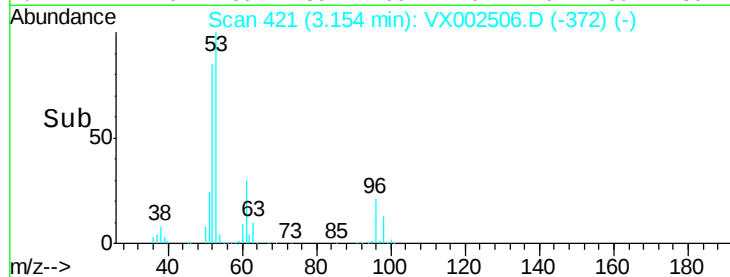
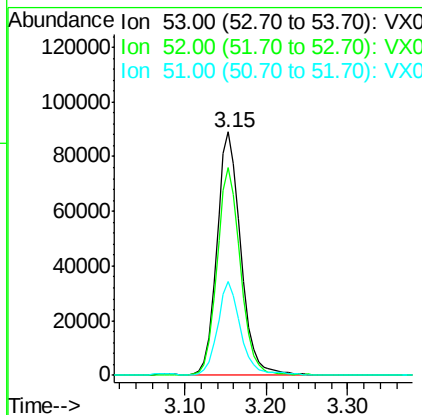
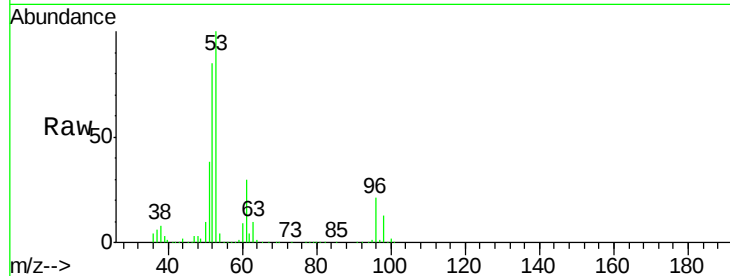
ClientSampleId :

VX0613WBS01

Tot Ion:	53	Resp:	180499
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.7	100.1
51	37.4	29.9	44.9

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#16

Acetone

Concen: 116.408 ug/l

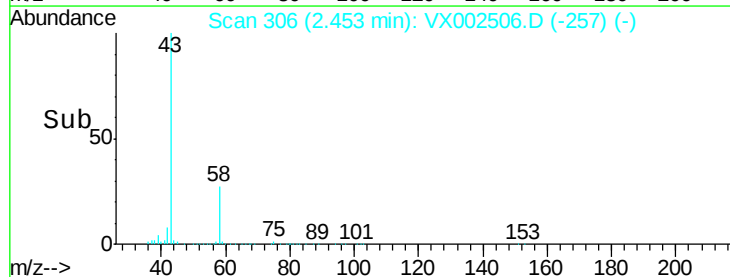
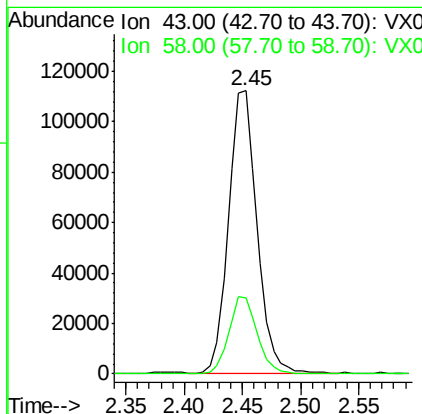
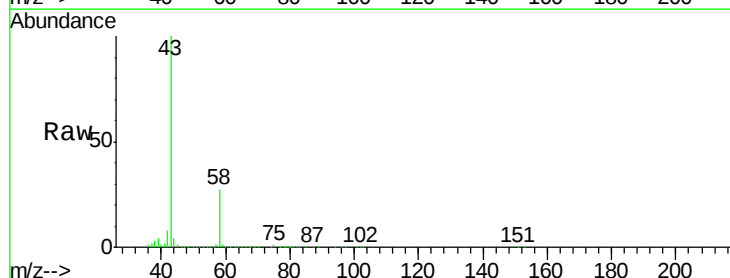
RT: 2.45 min Scan# 306

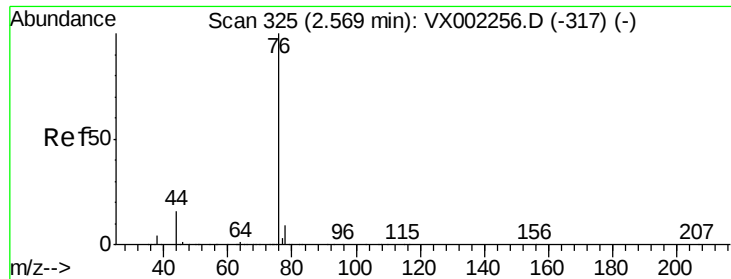
Delta R.T. 0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Tgt Ion:	43	Resp:	189932
Ion Ratio		Lower	Upper
43	100		
58	26.7	22.1	33.1





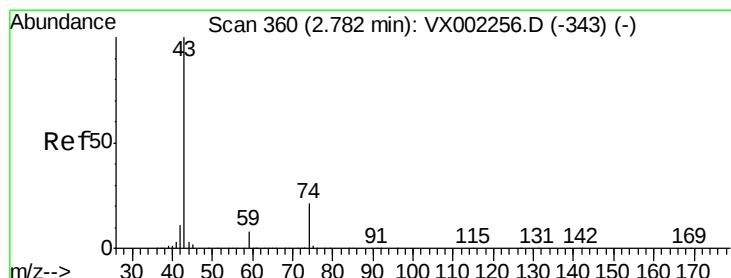
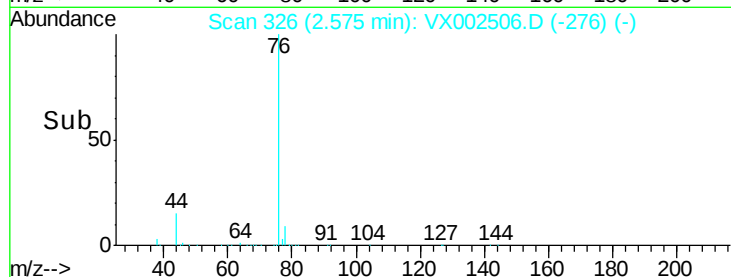
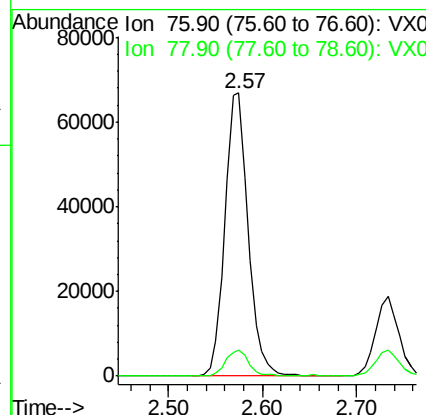
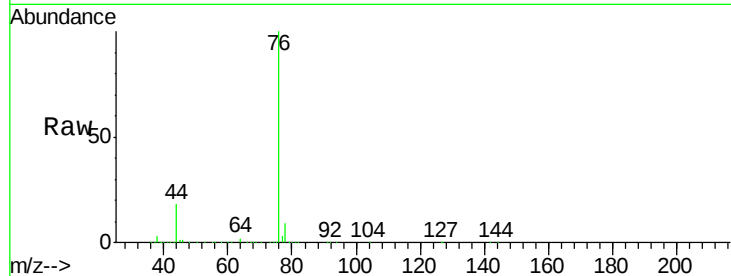
#17
Carbon Disulfide
Concen: 16.719 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.9	10.3

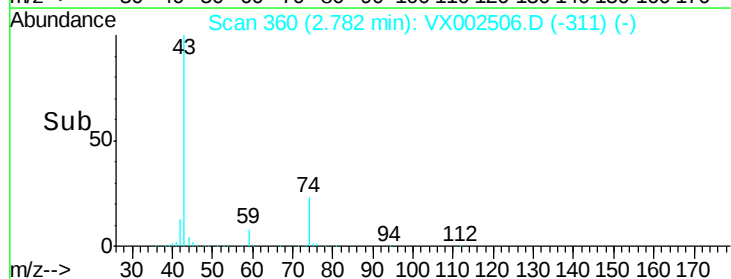
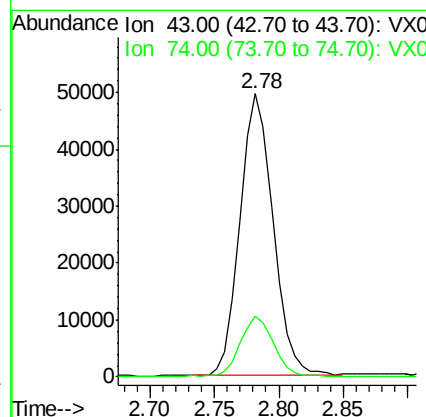
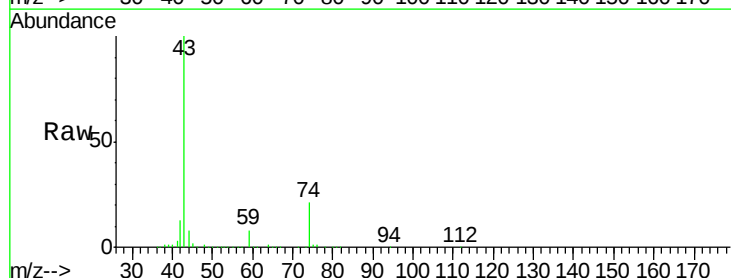
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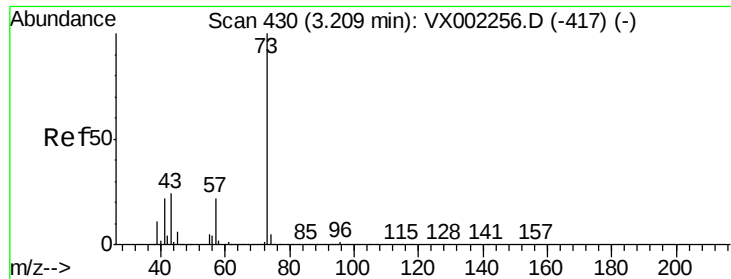
MMDadoda
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#18
Methyl Acetate
Concen: 23.826 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.7	25.1





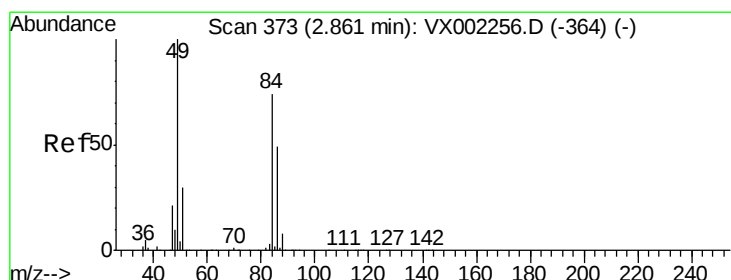
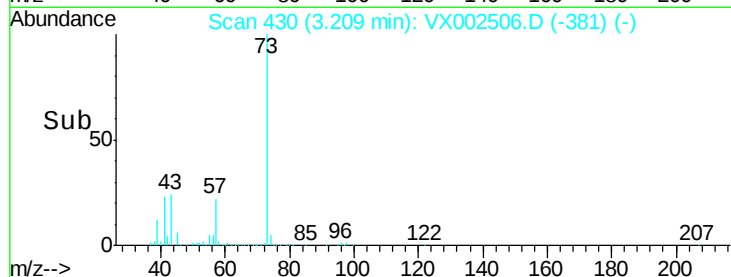
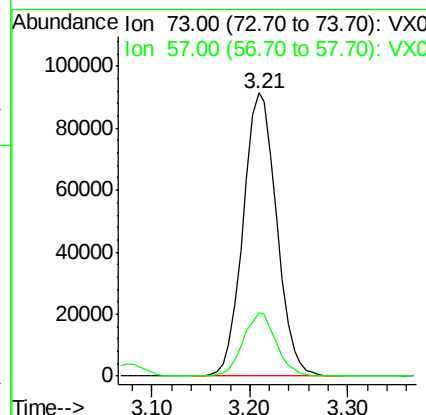
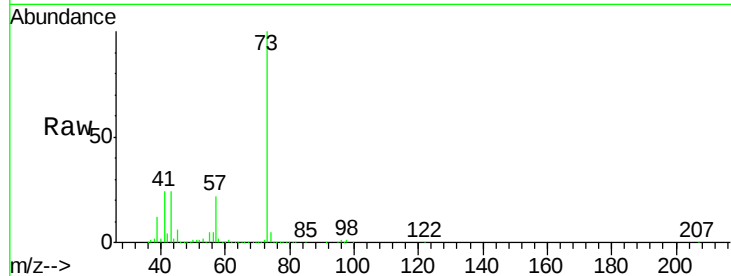
#19
Methvl tert-butvl Ether
Concen: 22.697 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

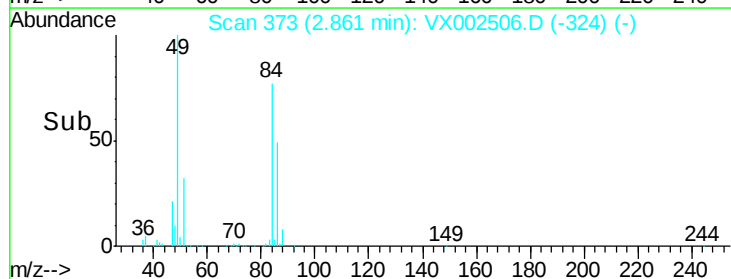
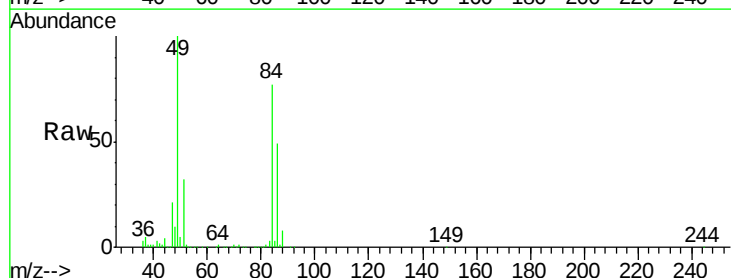
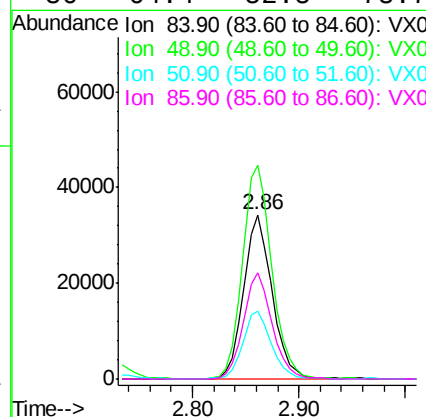
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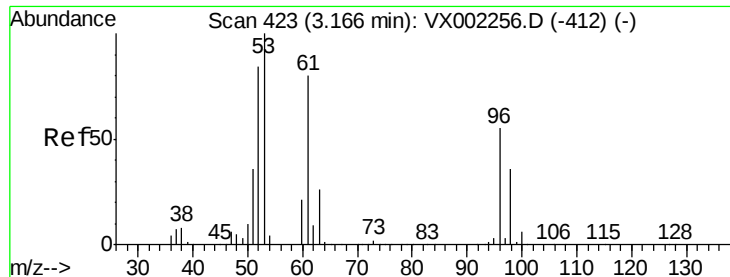
MMDadoda
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#20
Methylene Chloride
Concen: 21.895 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.1	107.8	161.6
51	41.2	32.8	49.2
86	64.4	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.876 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 96 Resp: 59760

Ion Ratio Lower Upper

96 100

61 139.6 117.0 175.4

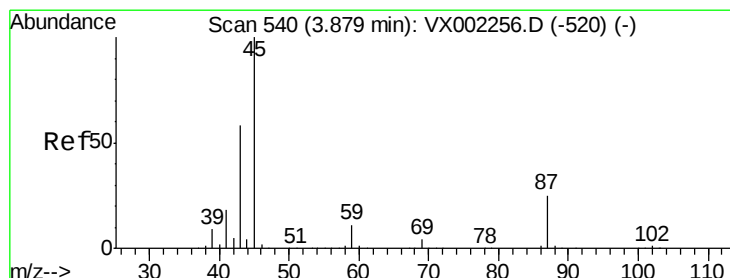
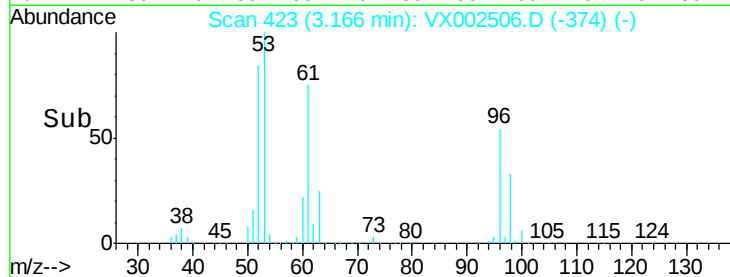
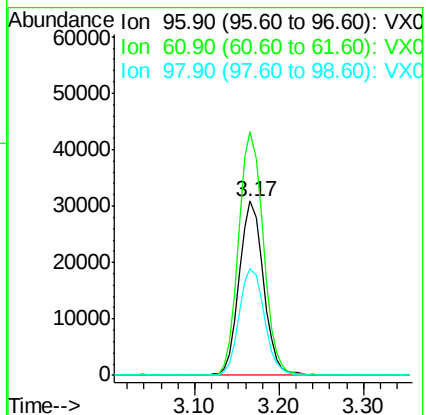
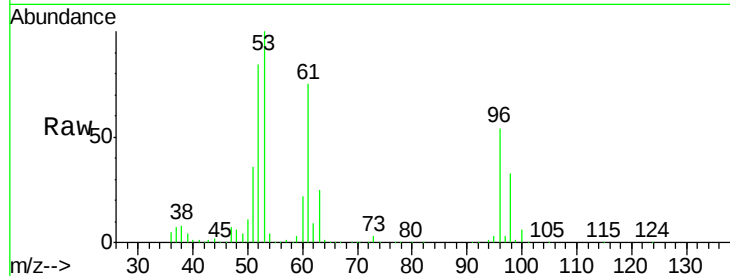
98 61.4 52.4 78.6

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#22

Diisopropyl ether

Concen: 20.017 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Tgt Ion: 45 Resp: 196778

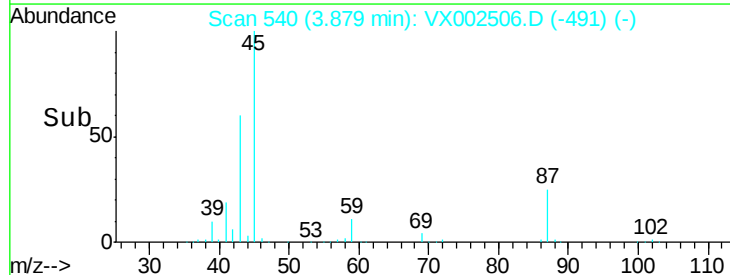
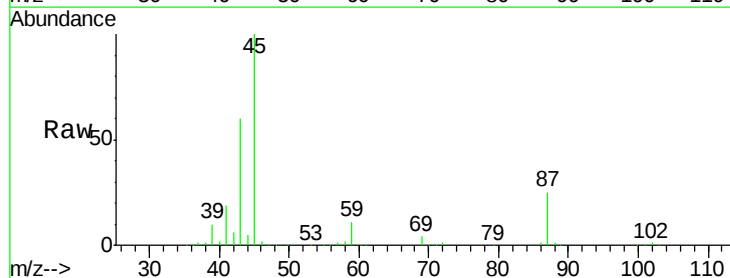
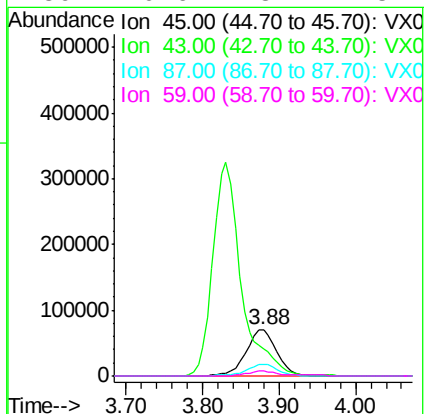
Ion Ratio Lower Upper

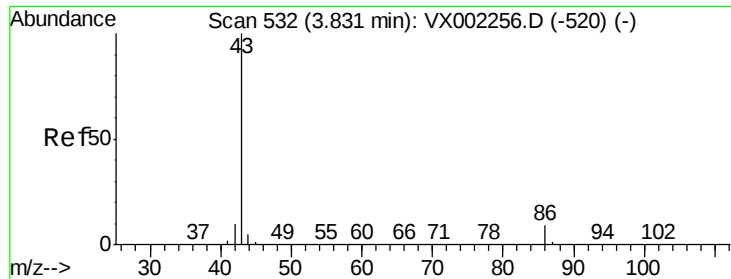
45 100

43 58.6 46.8 70.2

87 25.3 20.2 30.4

59 10.6 8.7 13.1





#23

Vinyl Acetate

Concen: 92.001 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 43 Resp: 840184

Ion Ratio Lower Upper

43 100

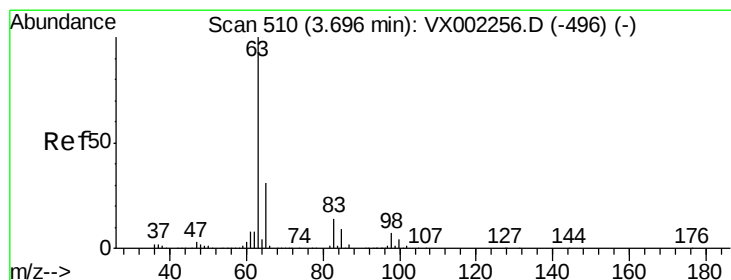
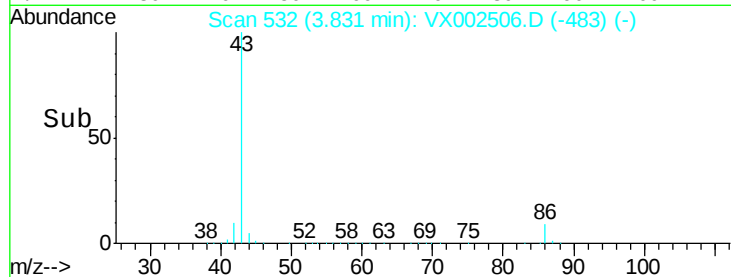
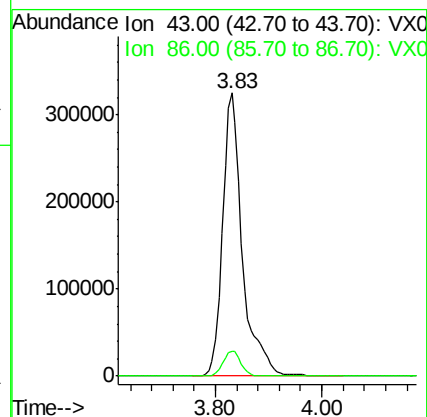
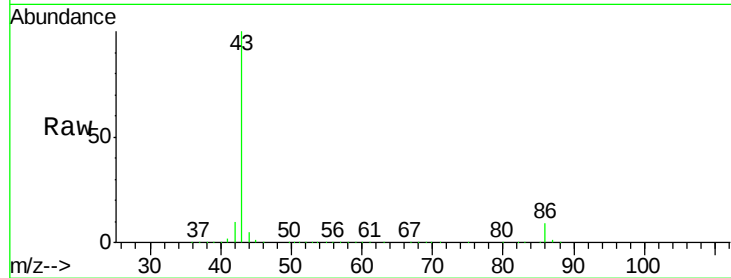
86 8.8 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.534 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

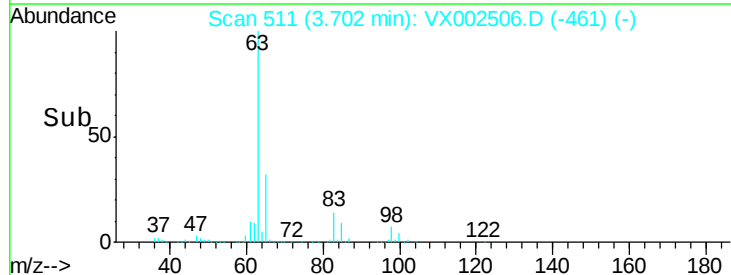
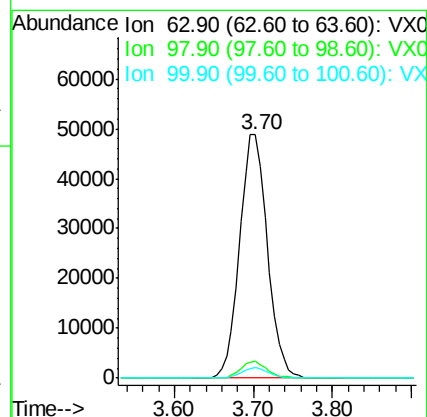
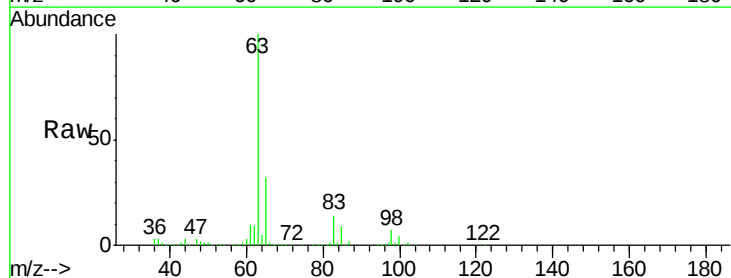
Tgt Ion: 63 Resp: 119898

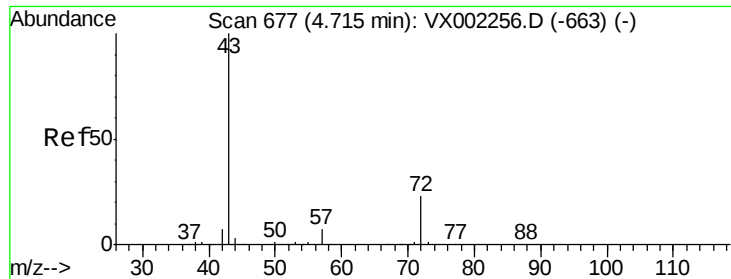
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 97.895 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 43 Resp: 234051

Ion Ratio Lower Upper

43 100

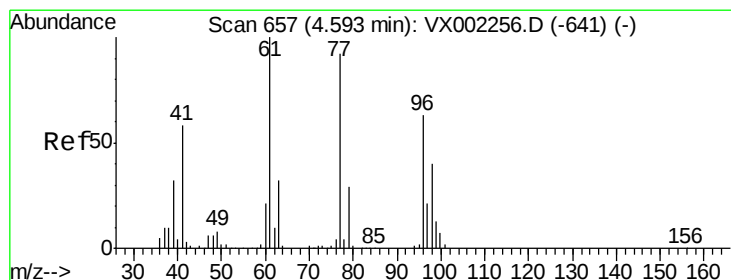
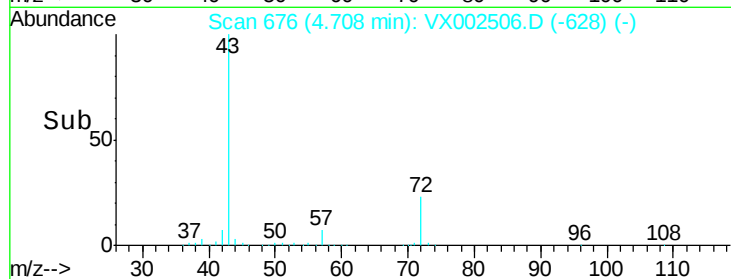
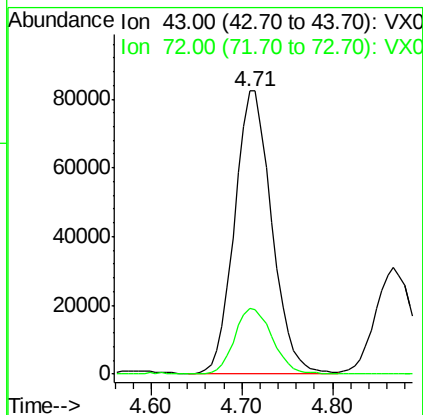
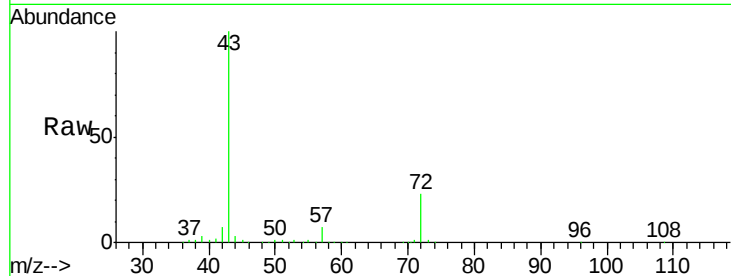
72 23.1 18.5 27.7

Manual Integrations

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6/14/2018 11:29:24 AM



#26

2,2-Dichloropropane

Concen: 18.358 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX002506.D

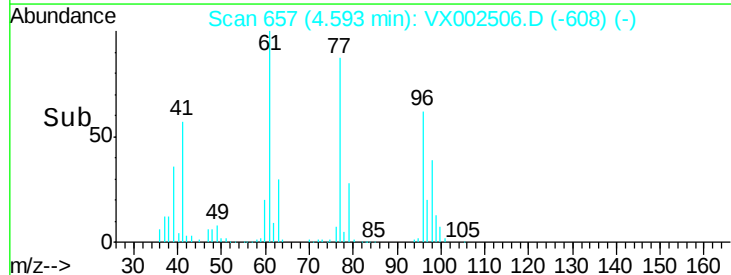
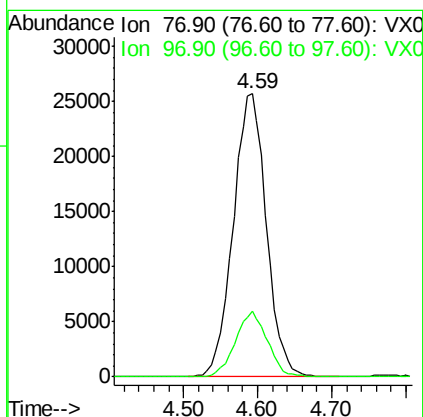
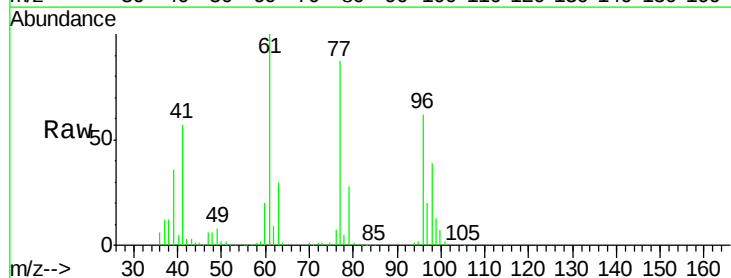
Acq: 13 Jun 2018 13:03

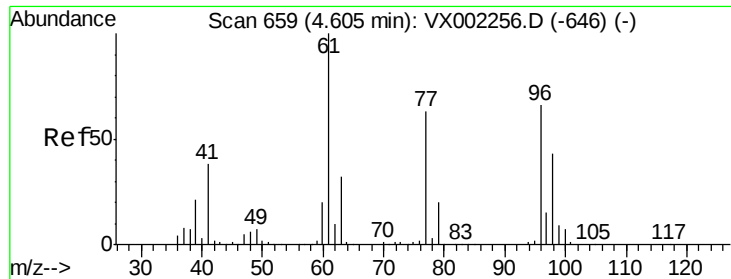
Tgt Ion: 77 Resp: 79900

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

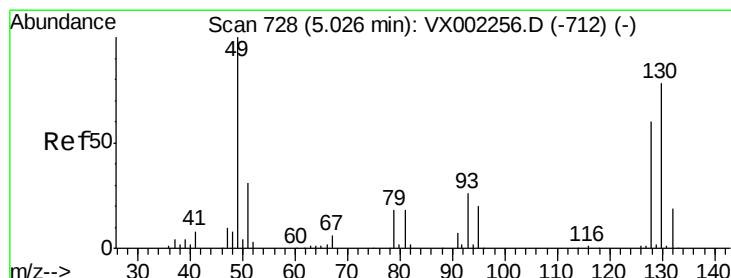
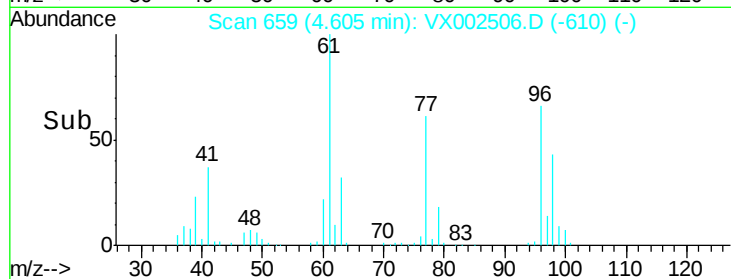
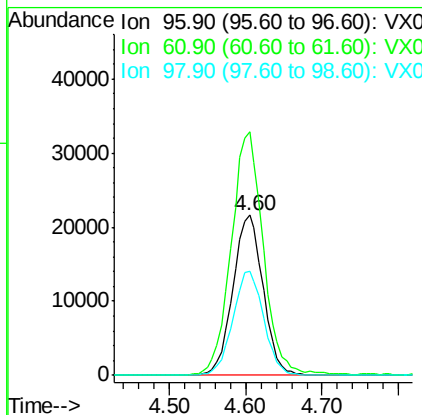
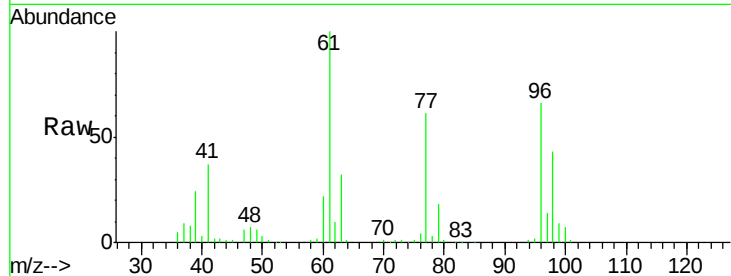
cis-1,2-Dichloroethene
Concen: 19.008 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	330.2
98	66.1	0.0	130.2

Manual Integrations
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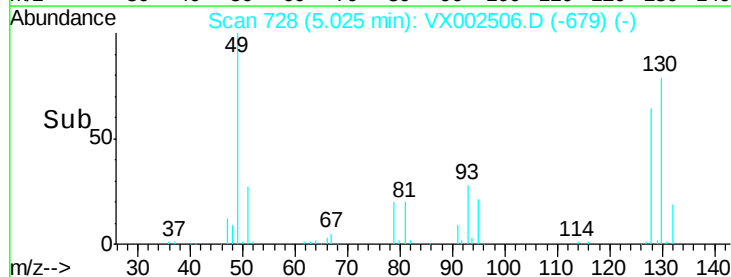
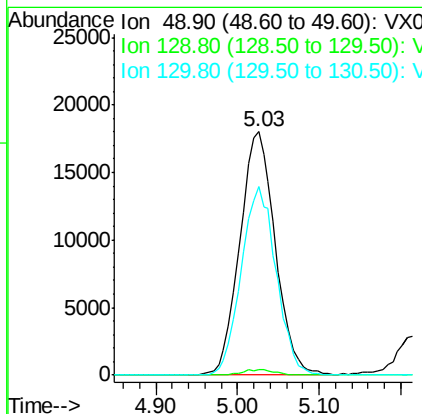
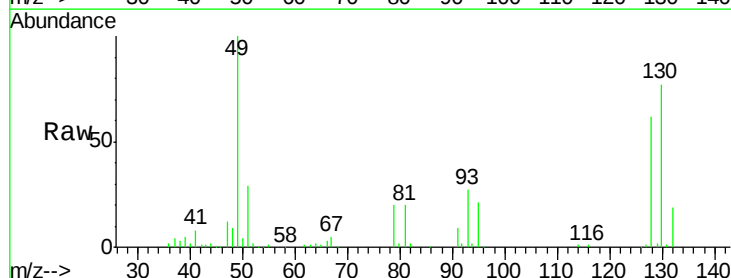
MMDadoda
6/14/2018 11:29:24 AM

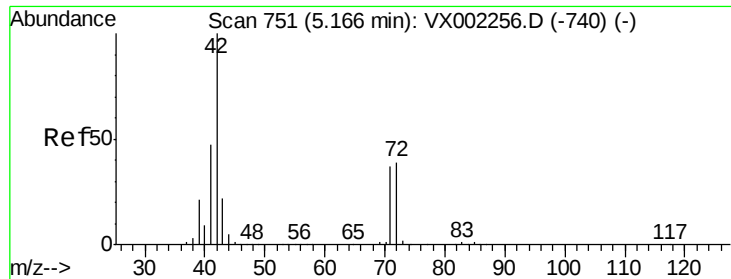


#28

Bromochloromethane
Concen: 20.904 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.4	61.2	91.8





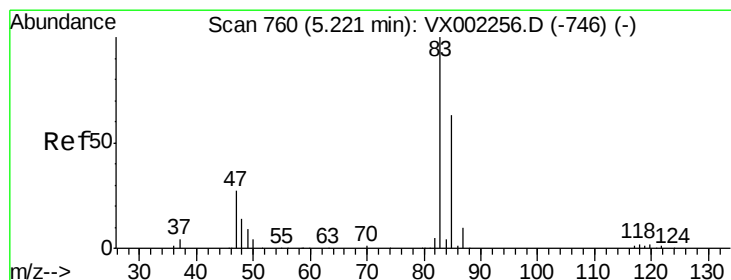
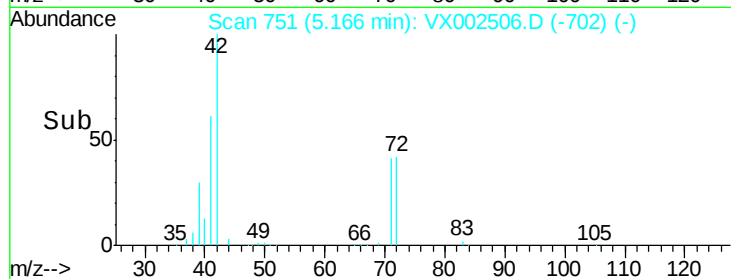
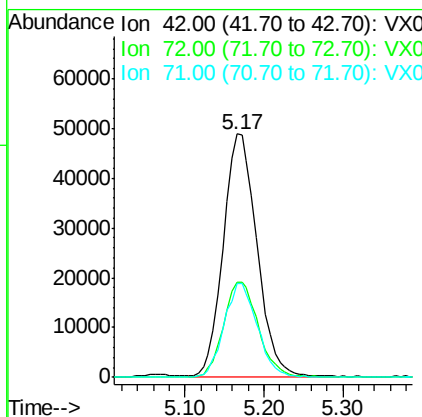
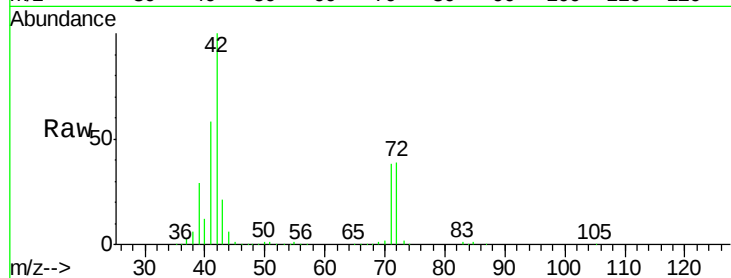
#29
Tetrahydrofuran
Concen: 94.107 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.0	48.0
71	38.5	30.1	45.1

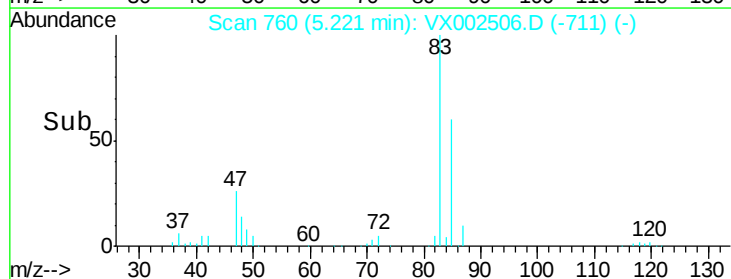
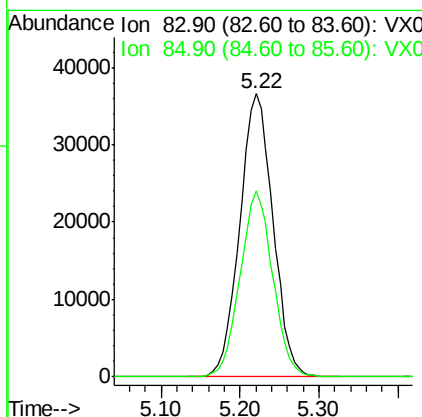
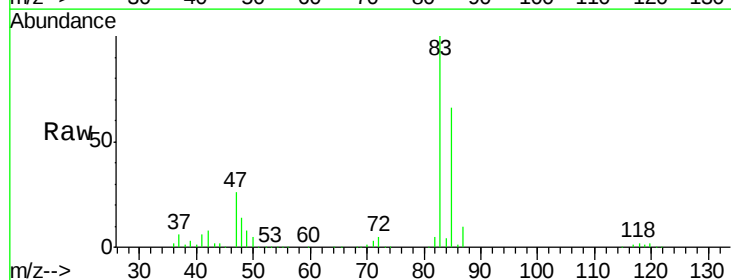
Manual Integrations
APPROVED

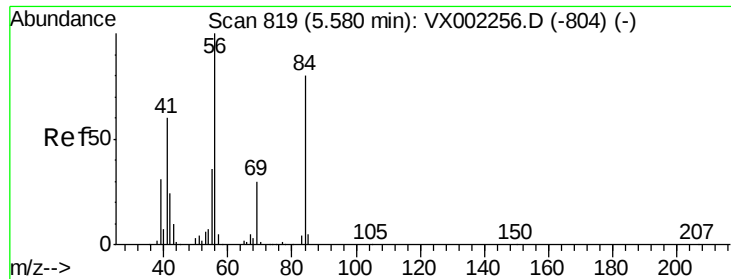
MMDadoda
6/14/2018 11:29:24 AM



#30
Chloroform
Concen: 19.967 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.4	75.6





#31

Cyclohexane

Concen: 19.123 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

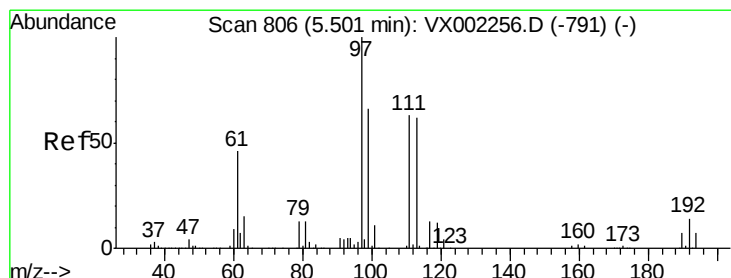
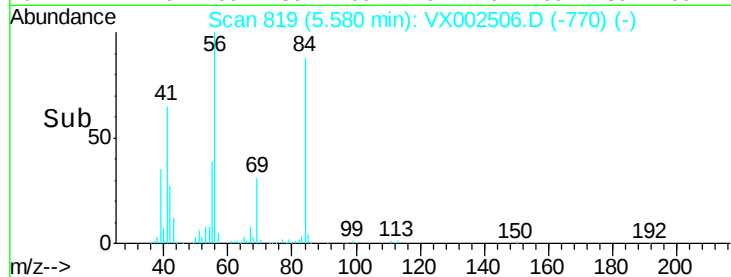
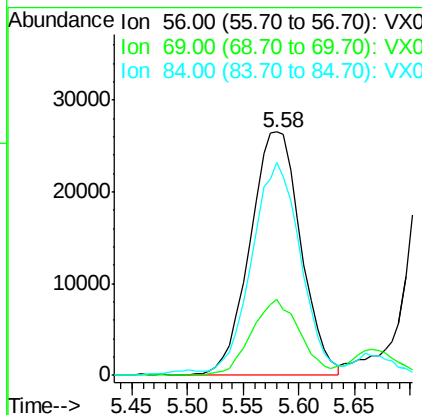
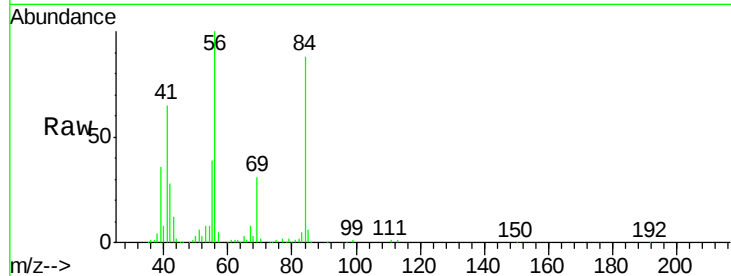
ClientSampleId :

VX0613WBS01

Tot Ion:	56	Resp:	84194
Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.7	35.5
84	85.3	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.782 ug/l

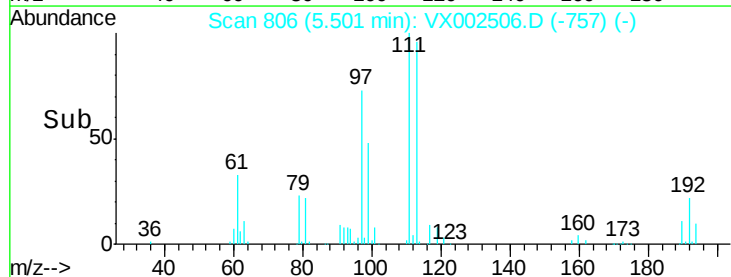
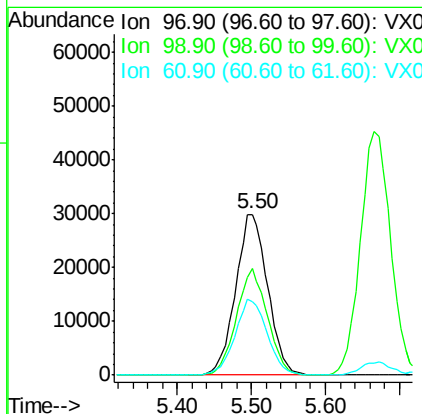
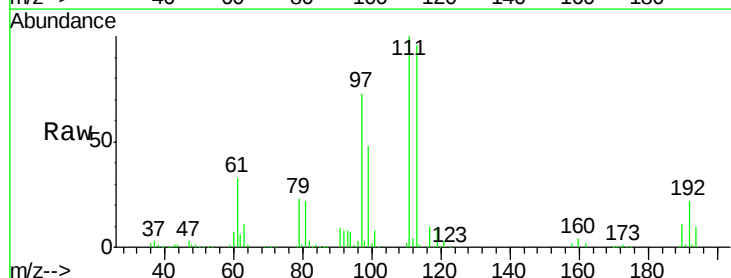
RT: 5.50 min Scan# 806

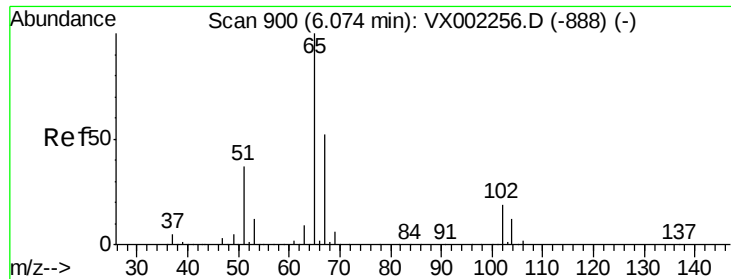
Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Tgt Ion:	97	Resp:	90136
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	47.3	36.4	54.6





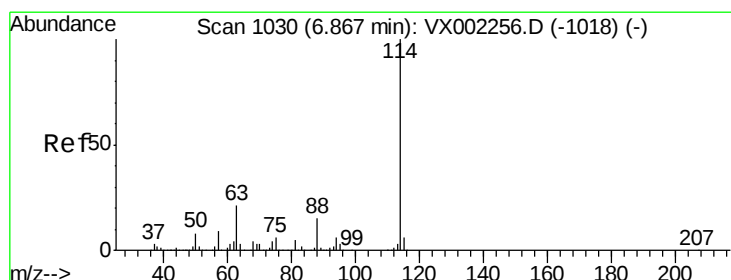
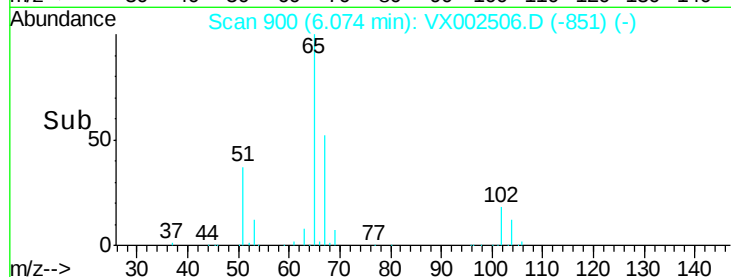
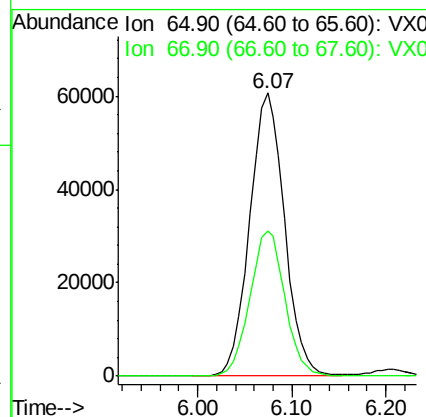
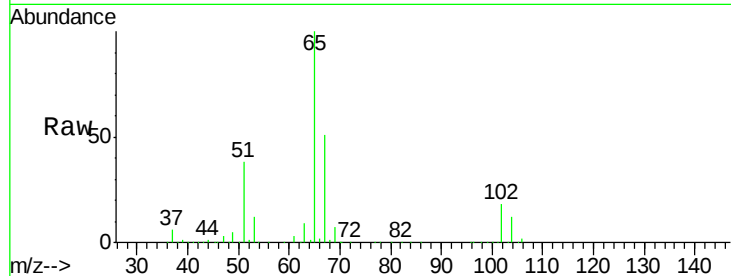
#33
 1,2-Dichloroethane-d4
 Concen: 44.692 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157117		
67	51.6	0.0	102.6	

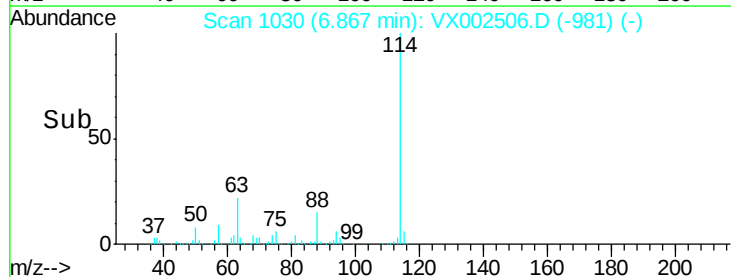
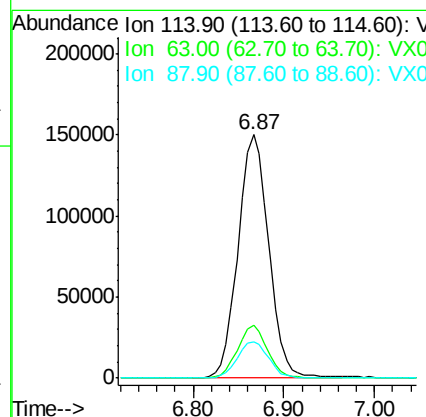
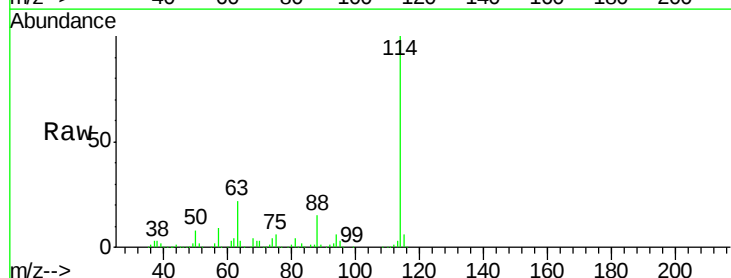
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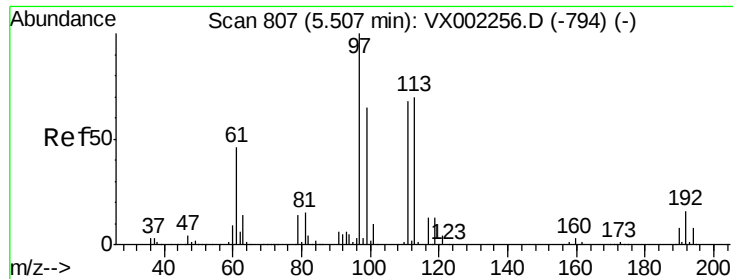
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353019		
63	21.7	0.0	41.4	
88	15.2	0.0	30.0	





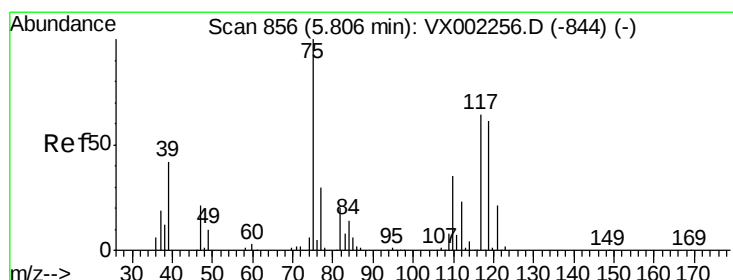
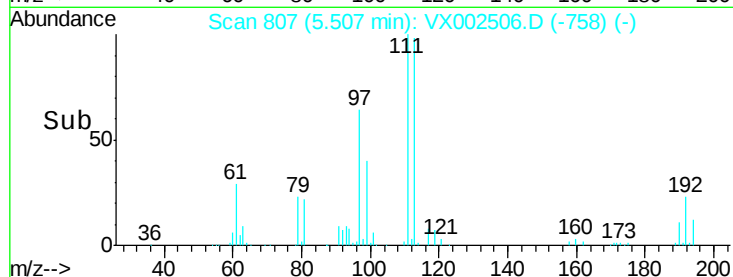
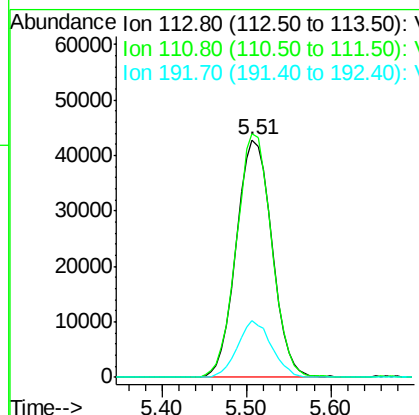
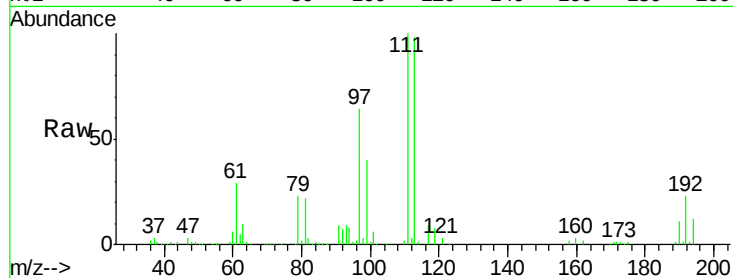
#35
 Dibromofluoromethane
 Concen: 44.264 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	122885		
111	101.3	81.4	122.0	
192	22.6	19.1	28.7	

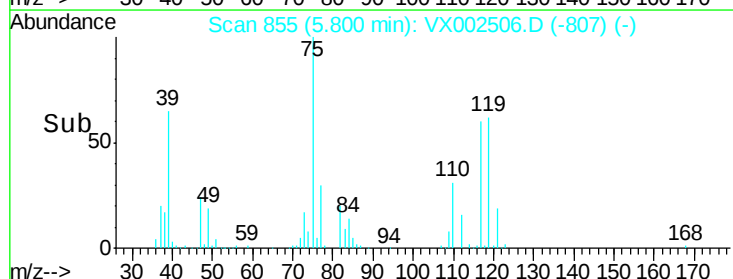
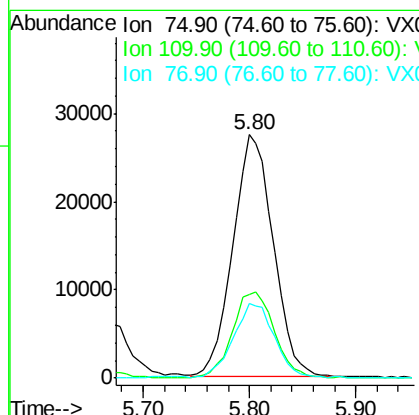
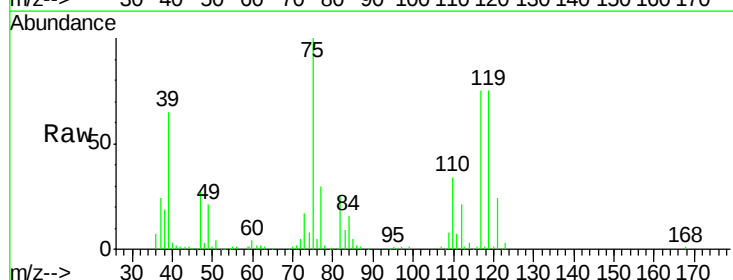
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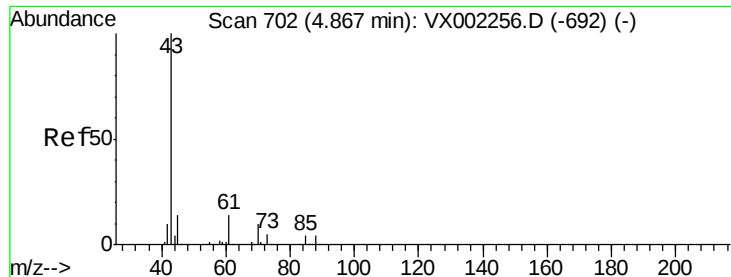
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#36
 1,1-Dichloropropene
 Concen: 19.783 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73418		
110	36.9	18.1	54.4	
77	31.1	24.3	36.5	





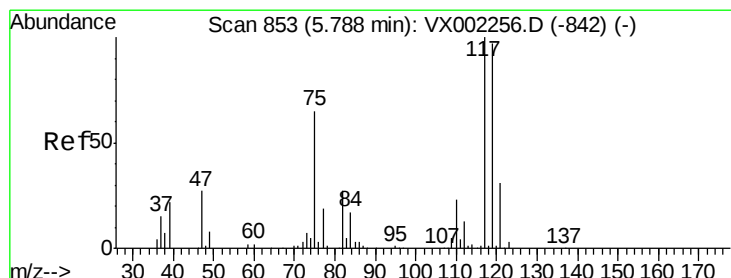
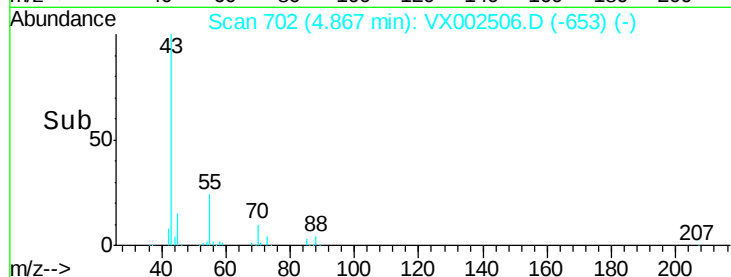
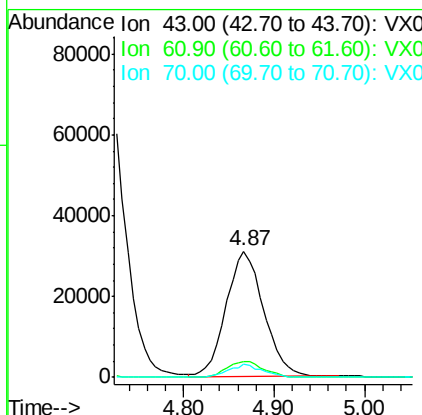
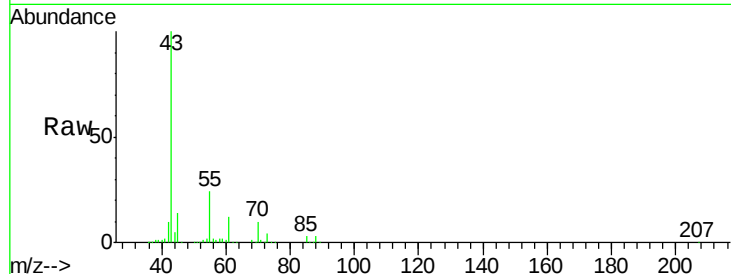
#37
Ethyl Acetate
Concen: 20.006 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	9.6	7.6	11.4

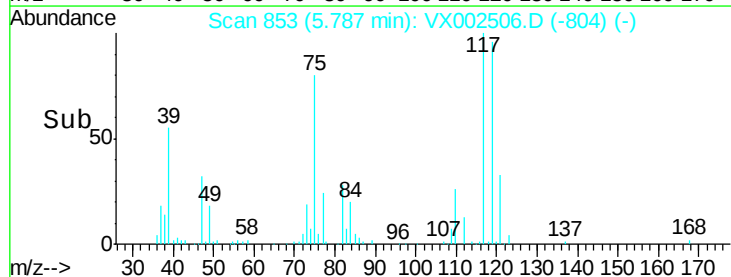
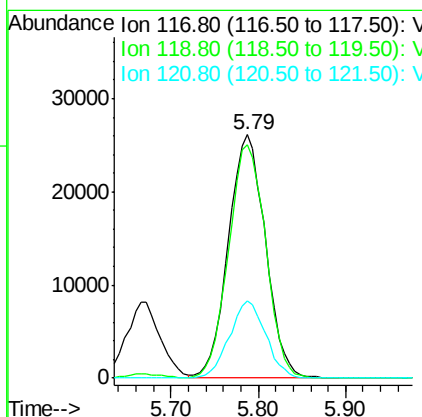
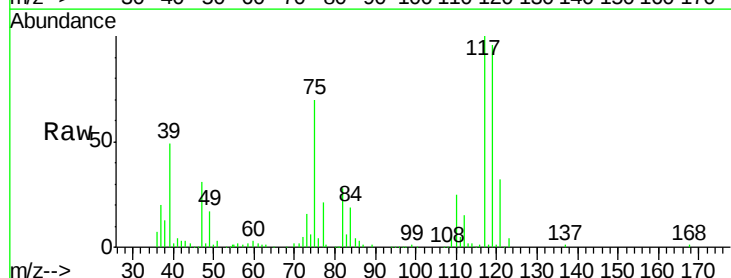
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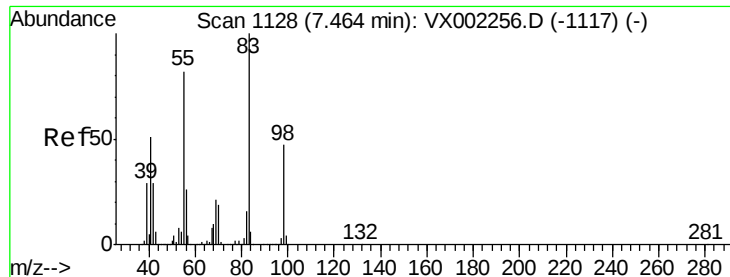
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.822 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
121	31.7	24.4	36.6





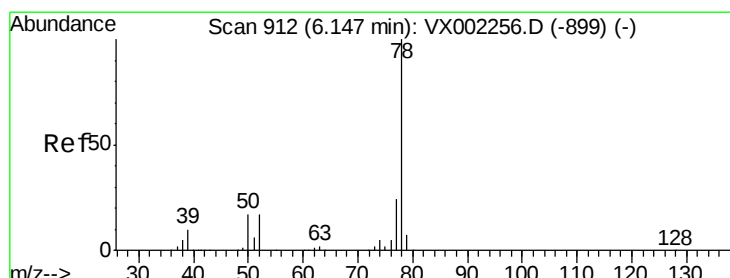
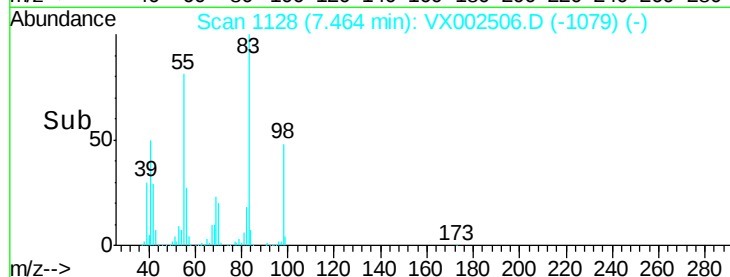
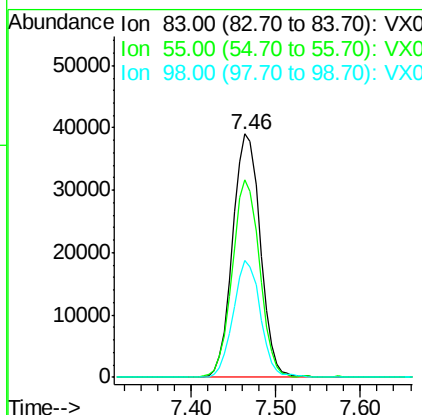
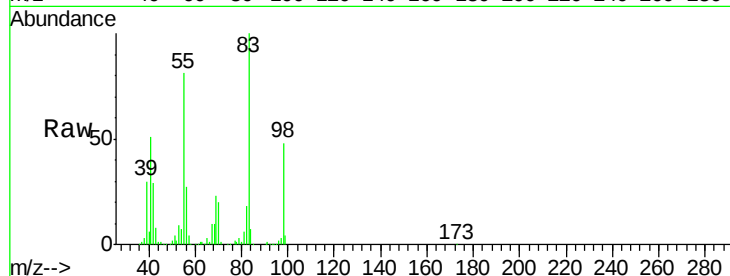
#39
Methvlcvclohexane
Concen: 19.088 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	65.4	98.0
98	47.8	37.4	56.0

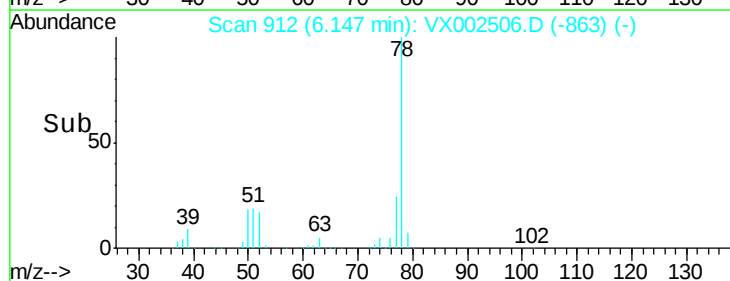
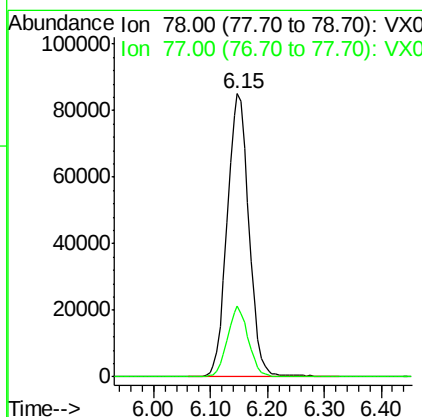
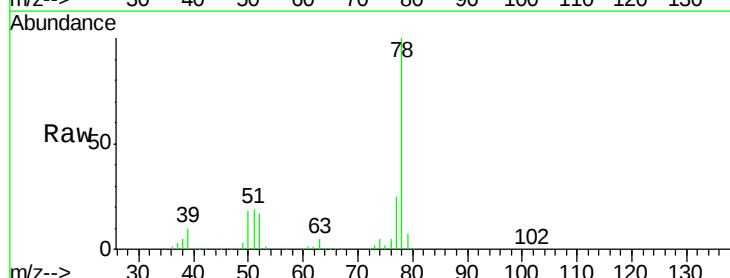
Manual Integrations
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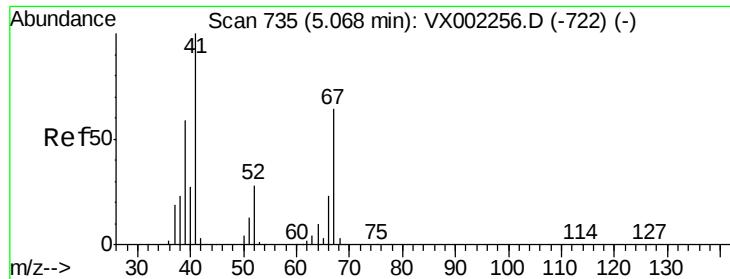
MMDadoda
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#40
Benzene
Concen: 19.983 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7





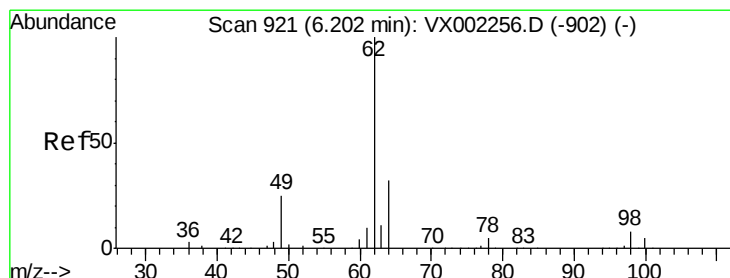
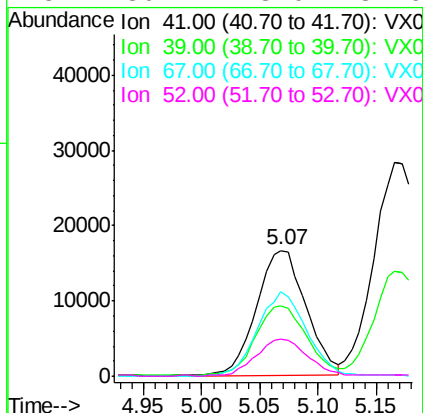
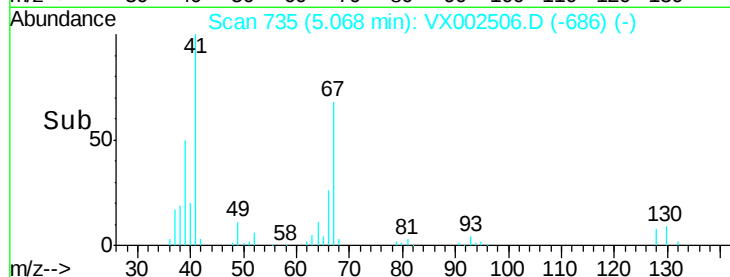
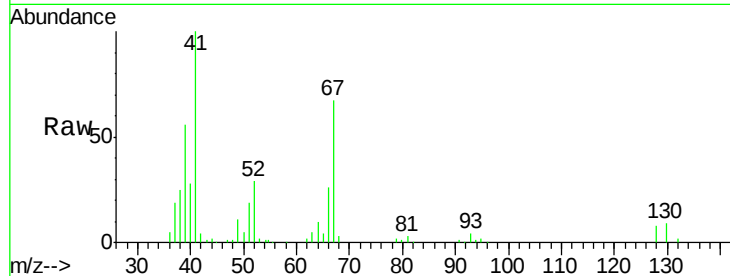
#41
Methacrylonitrile
Concen: 19.320 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.5	45.8	68.6	
67	67.6	51.3	76.9	
52	30.1	23.0	34.6	

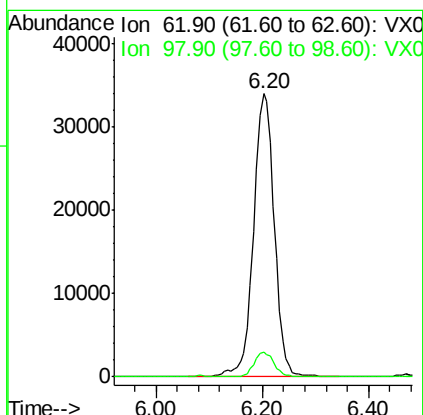
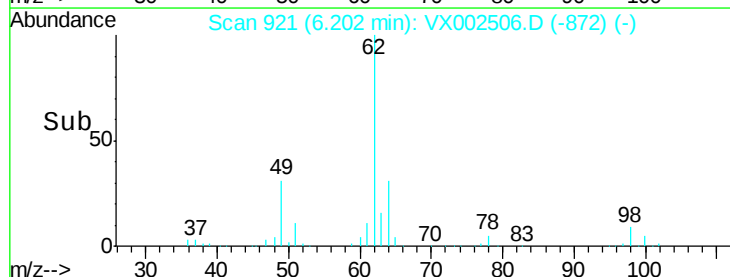
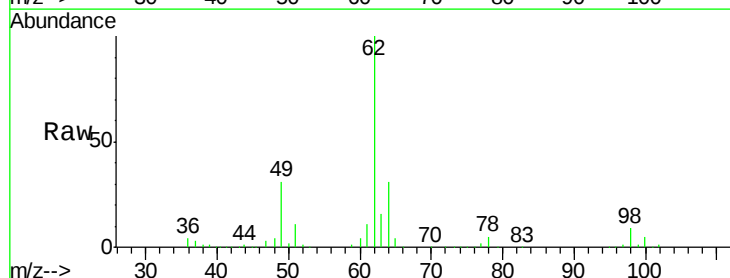
Manual Integrations
APPROVED

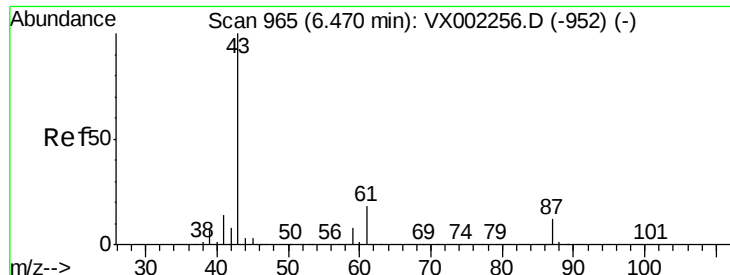
MMDadoda
6/14/2018 11:29:24 AM



#42
1,2-Dichloroethane
Concen: 20.158 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.6	





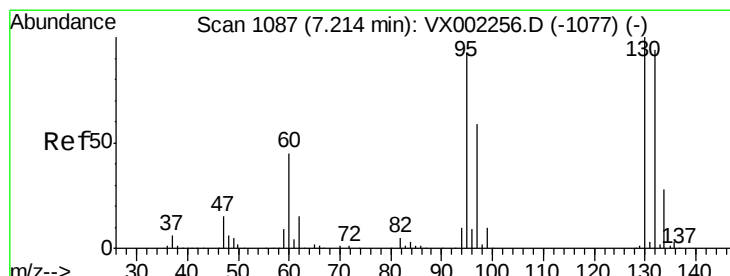
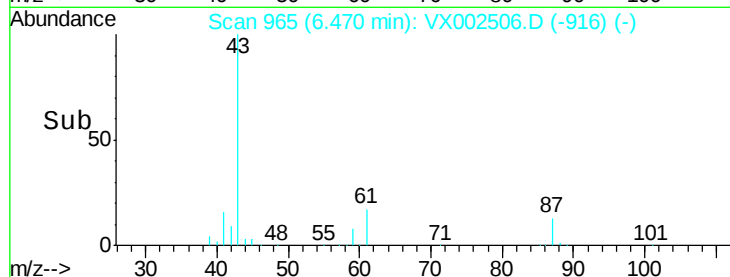
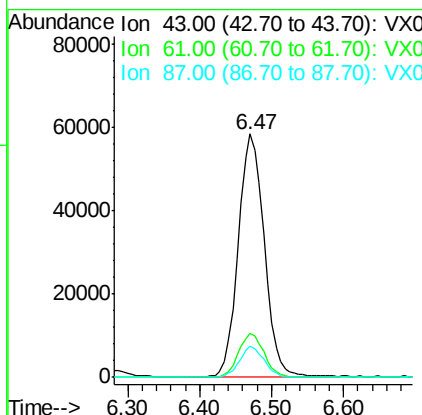
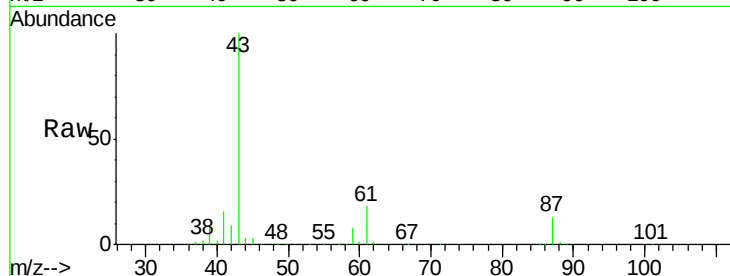
#43
Isopropyl Acetate
Concen: 19.275 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.4	21.6
87	12.3	9.5	14.3

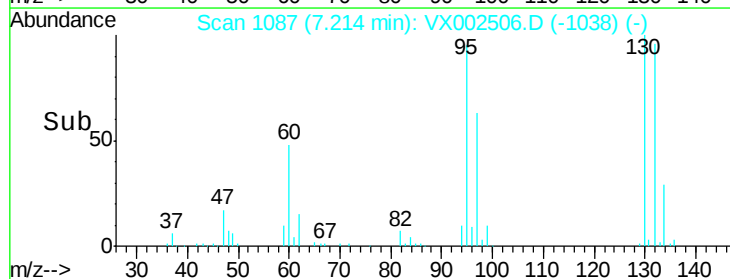
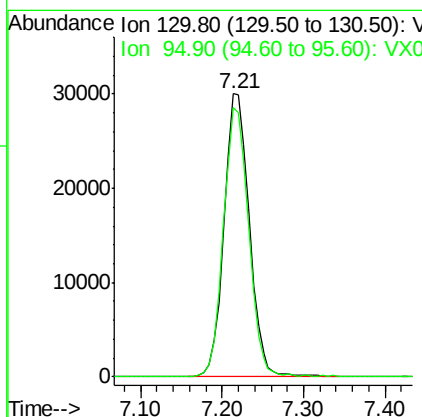
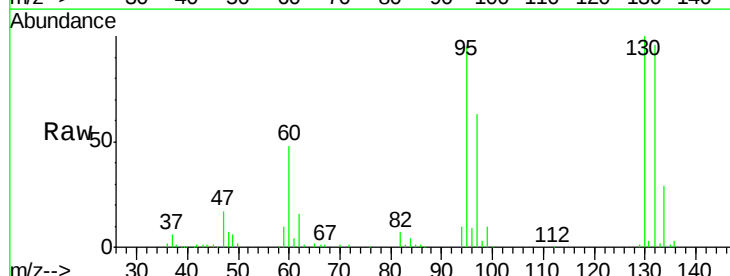
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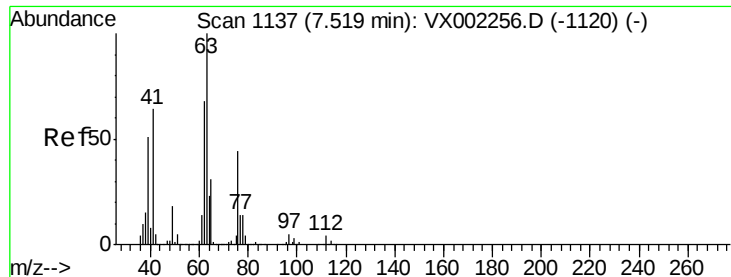
MMDadoda
6/14/2018 11:29:24 AM



#44
Trichloroethene
Concen: 20.338 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	185.4





#45

1,2-Dichloropropane

Concen: 20.138 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 63 Resp: 61864

Ion Ratio Lower Upper

63 100

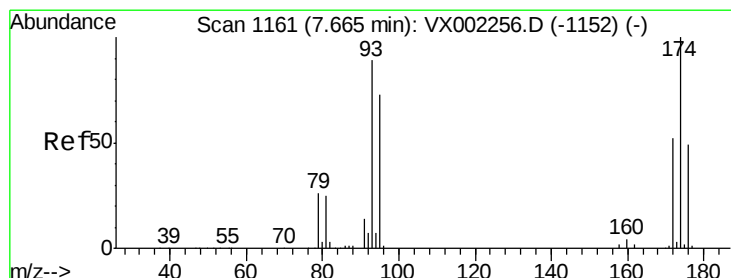
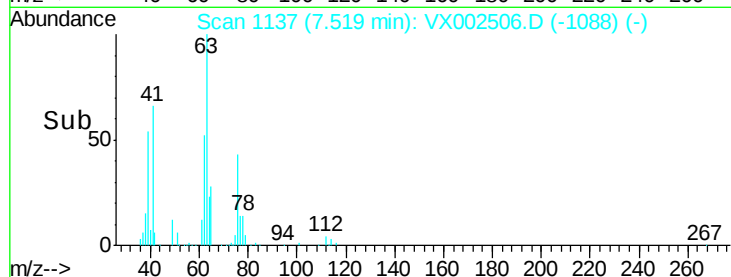
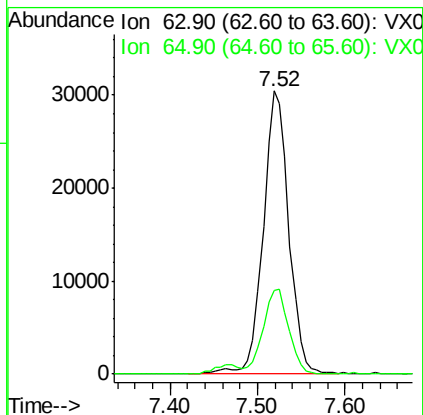
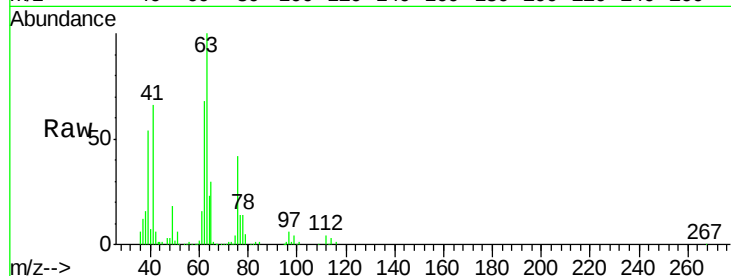
65 29.6 24.7 37.1

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#46

Dibromomethane

Concen: 20.089 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

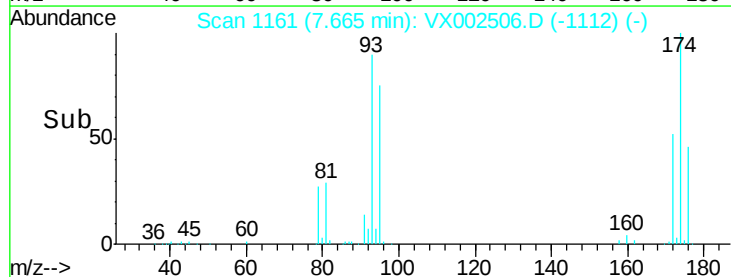
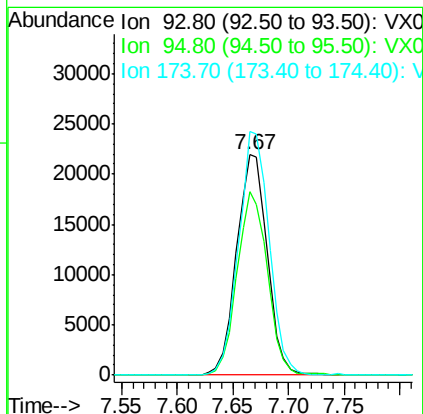
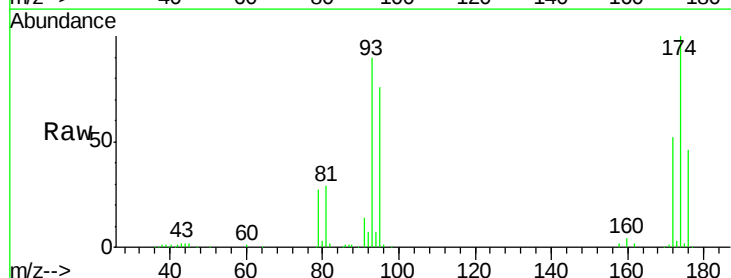
Tgt Ion: 93 Resp: 41836

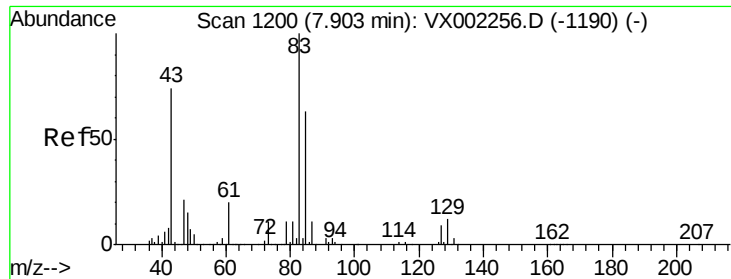
Ion Ratio Lower Upper

93 100

95 82.7 65.9 98.9

174 110.2 92.4 138.6





#47

Bromodichloromethane

Concen: 19.558 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

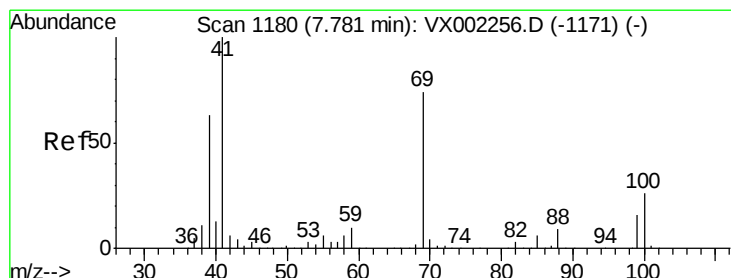
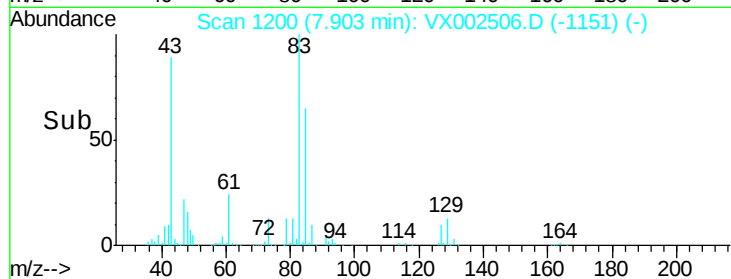
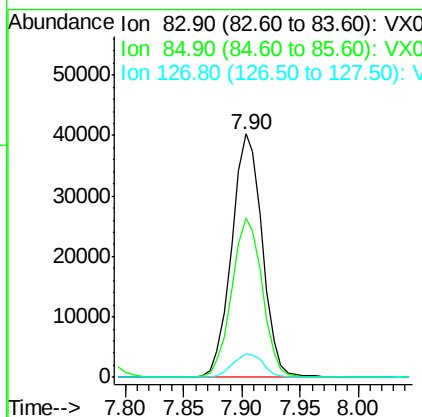
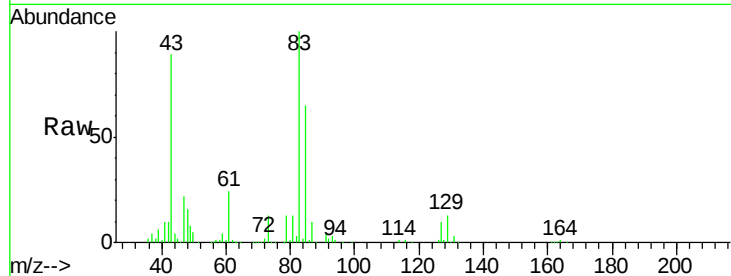
ClientSampleId :

VX0613WBS01

Tot Ion:	83	Resp:	73663
Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.3	75.5
127	9.6	7.0	10.4

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#48

Methyl methacrylate

Concen: 19.690 ug/l

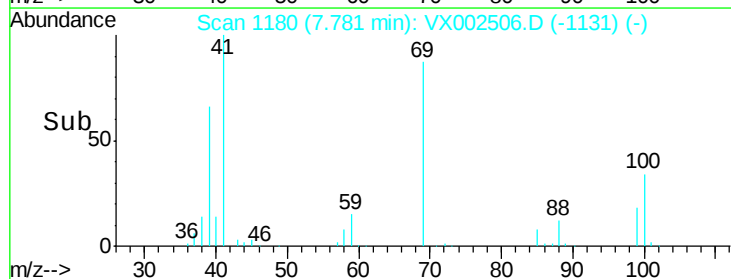
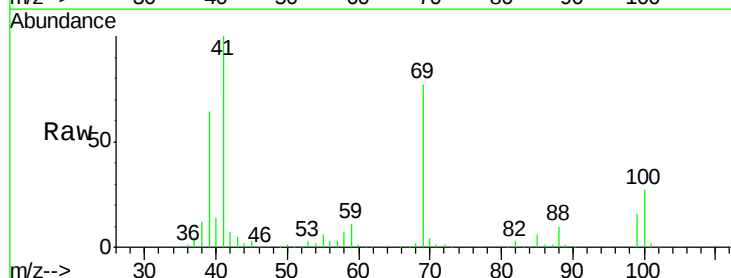
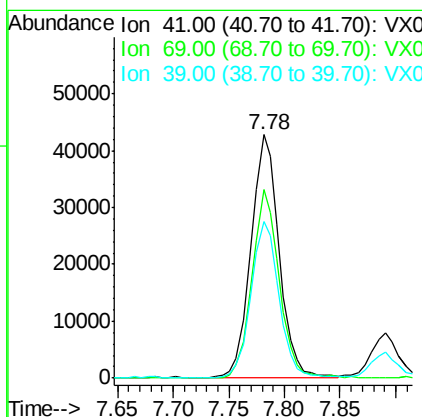
RT: 7.78 min Scan# 1180

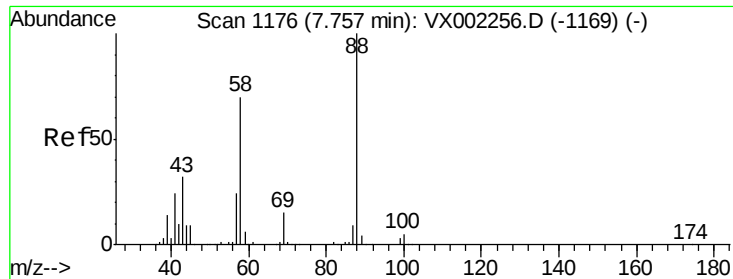
Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Tgt Ion:	41	Resp:	74976
Ion	Ratio	Lower	Upper
41	100		
69	75.7	59.1	88.7
39	64.0	48.9	73.3





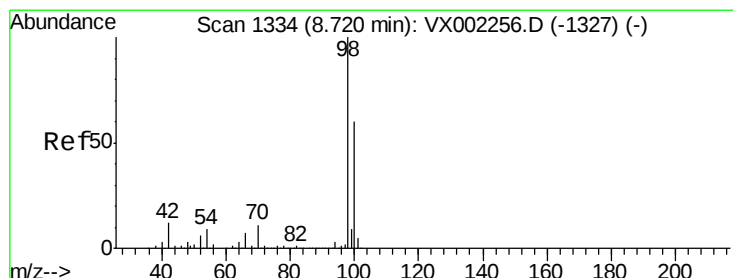
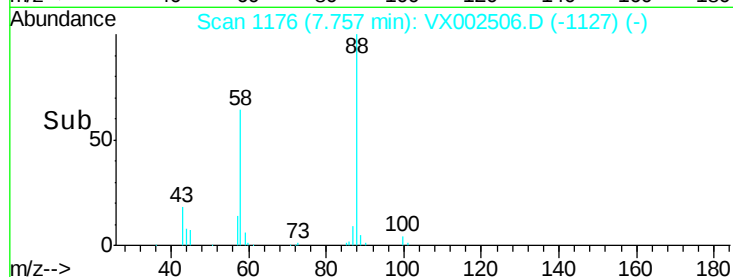
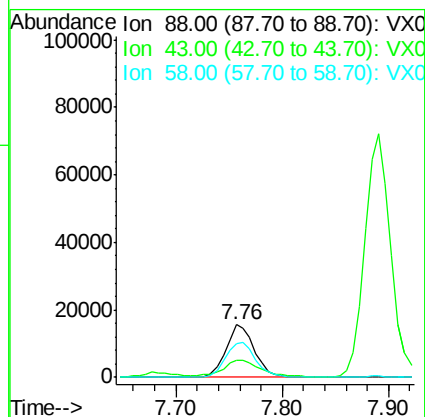
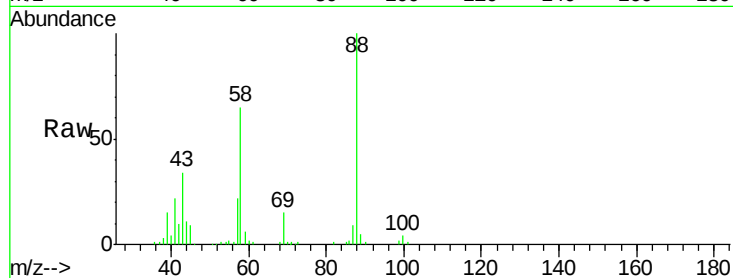
#49
1,4-Dioxane
Concen: 408.015 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	29.8	44.6
58	71.1	57.1	85.7

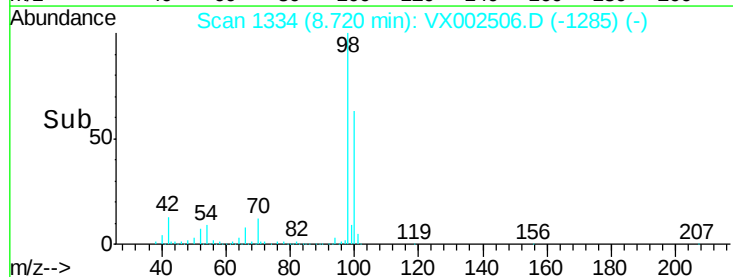
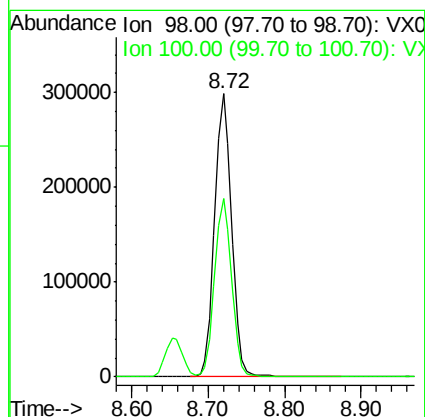
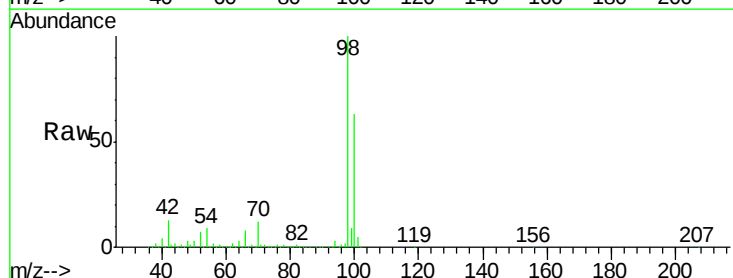
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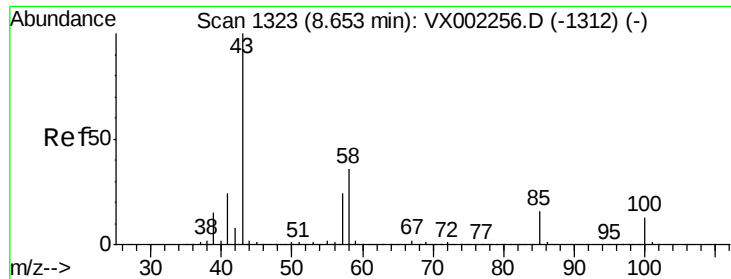
MMDadoda
6/14/2018 11:29:24 AM



#50
Toluene-d8
Concen: 43.286 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 104.095 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampled :

VX0613WBS01

Tot Ion: 43 Resp: 491418

Ion Ratio Lower Upper

43 100

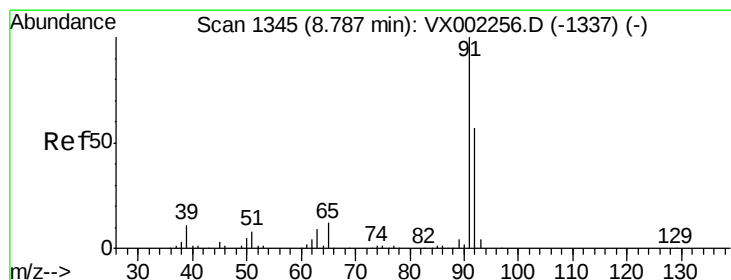
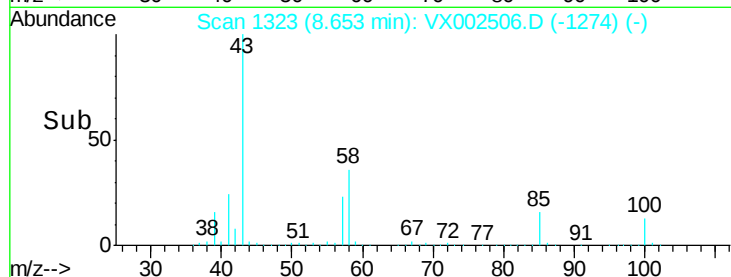
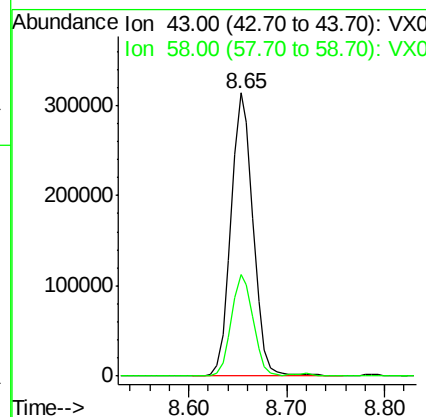
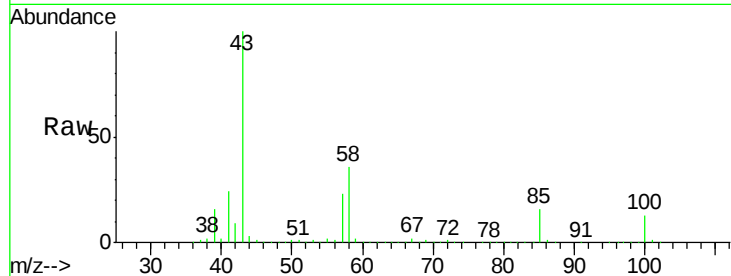
58 35.4 28.6 42.8

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#52

Toluene

Concen: 20.492 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002506.D

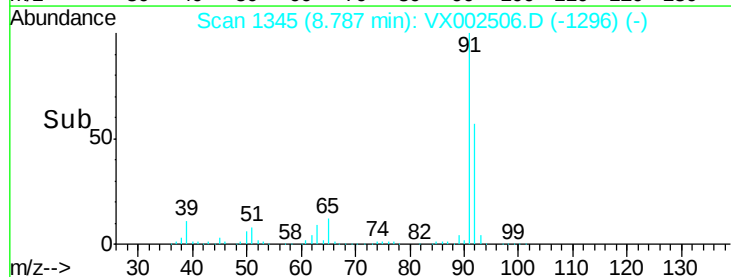
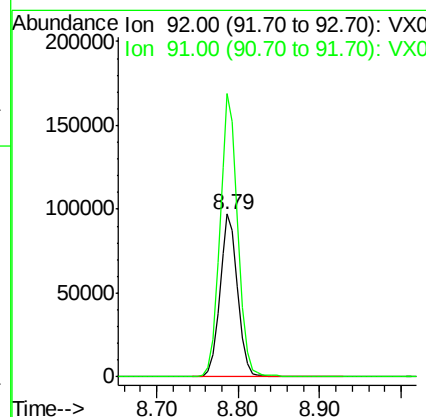
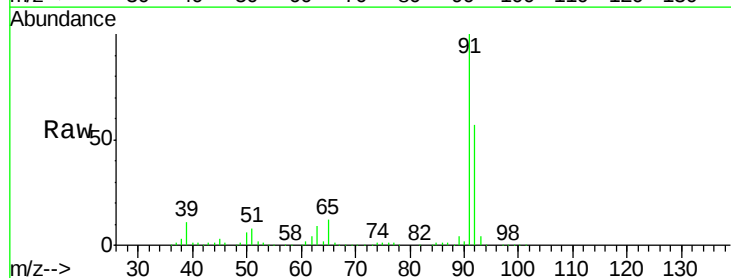
Acq: 13 Jun 2018 13:03

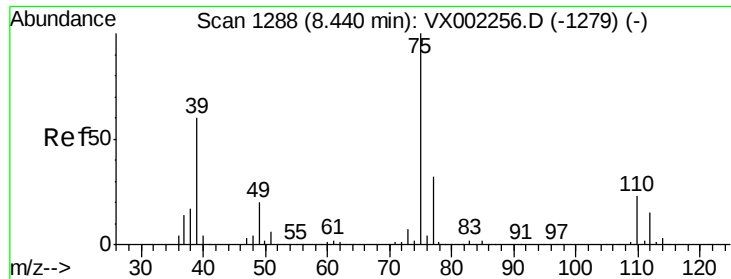
Tgt Ion: 92 Resp: 148308

Ion Ratio Lower Upper

92 100

91 174.4 140.4 210.6





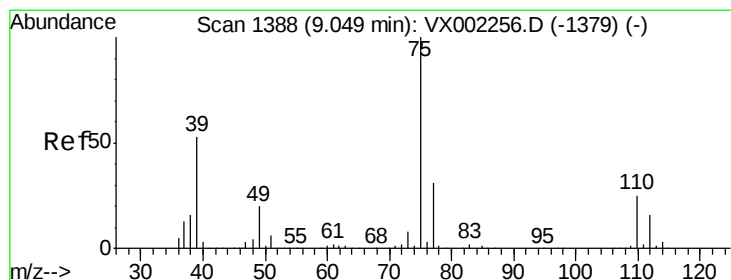
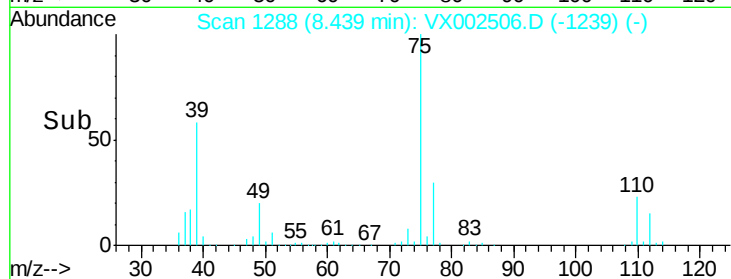
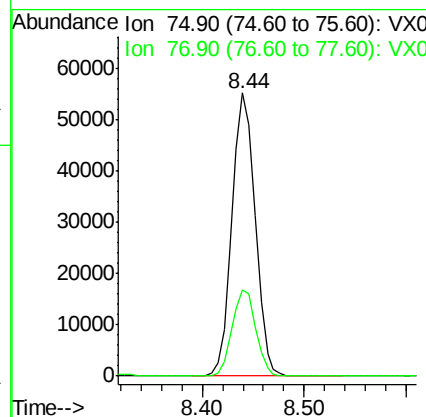
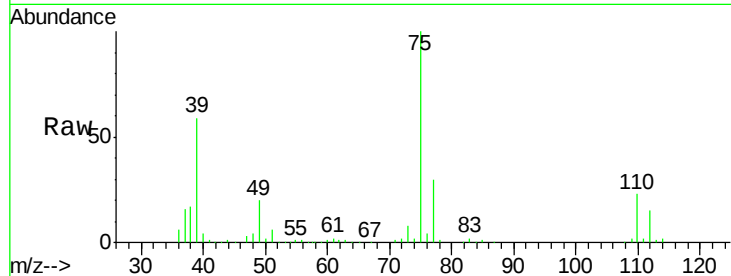
#53
t-1,3-Dichloropropene
Concen: 19.262 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion: 75 Resp: 87002
Ion Ratio Lower Upper
75 100
77 30.4 25.4 38.2

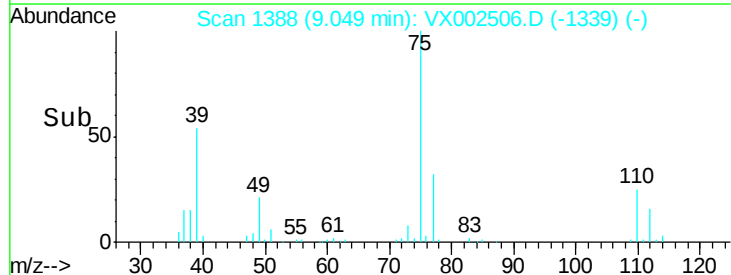
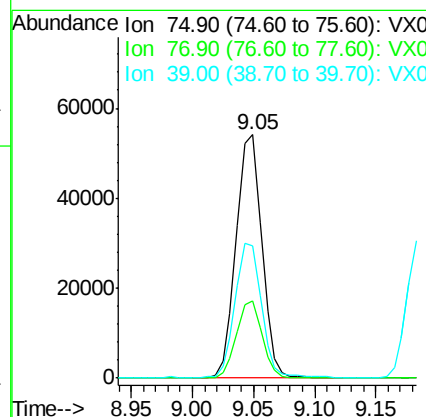
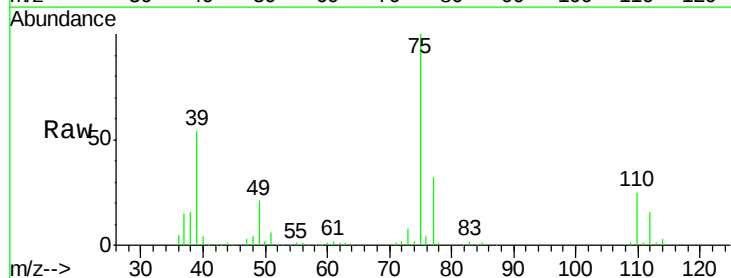
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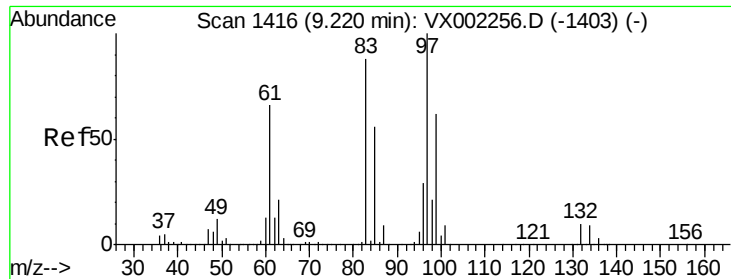
MMDadoda
6/14/2018 11:29:24 AM



#54
cis-1,3-Dichloropropene
Concen: 18.546 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion: 75 Resp: 79031
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2
39 54.0 42.4 63.6





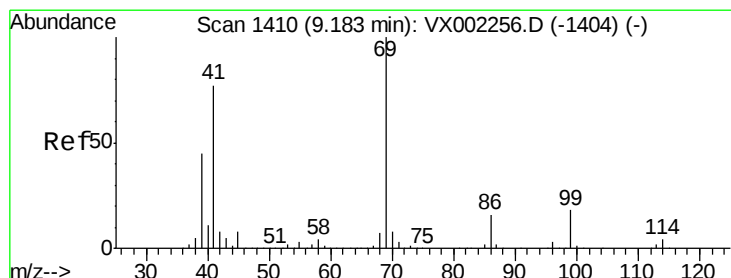
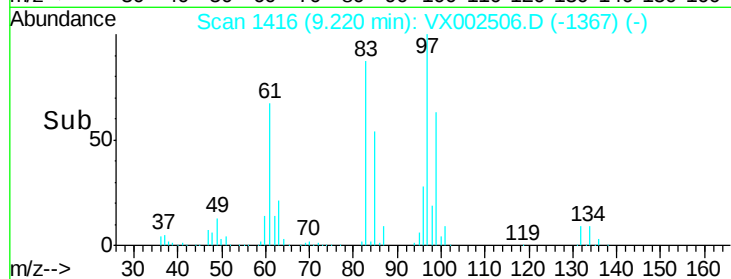
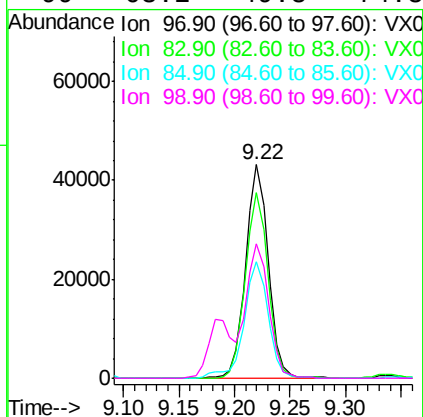
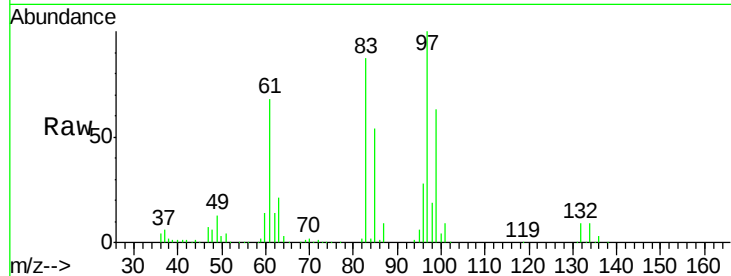
#55
 1,1,2-Trichloroethane
 Concen: 20.582 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion:	97	Resp:	61265
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.2	105.2
85	54.4	44.9	67.3
99	63.2	49.8	74.8

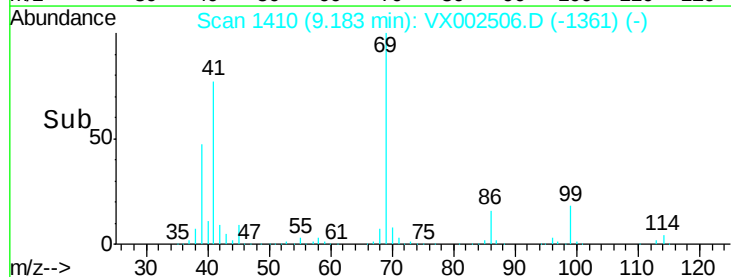
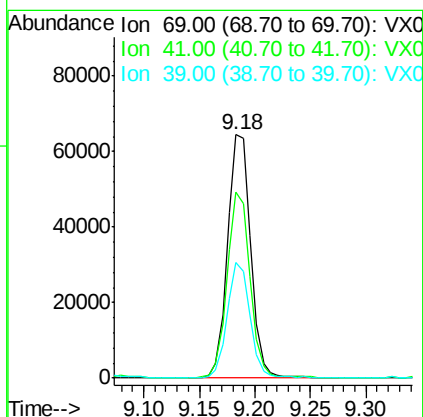
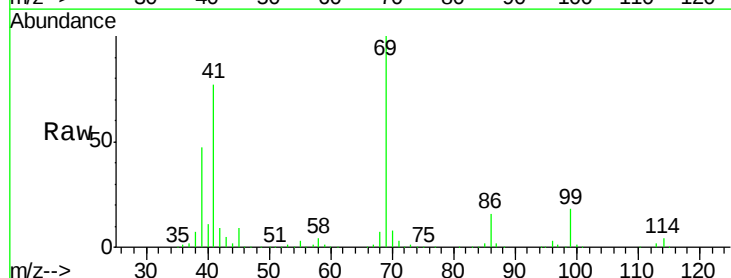
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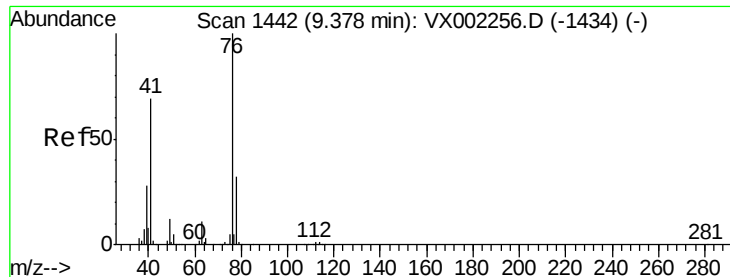
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#56
 Ethyl methacrylate
 Concen: 19.564 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Tgt Ion:	69	Resp:	92974
Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.3	90.5
39	46.2	35.8	53.8





#57

1,3-Dichloropropane

Concen: 20.240 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 76 Resp: 101075

Ion Ratio Lower Upper

76 100

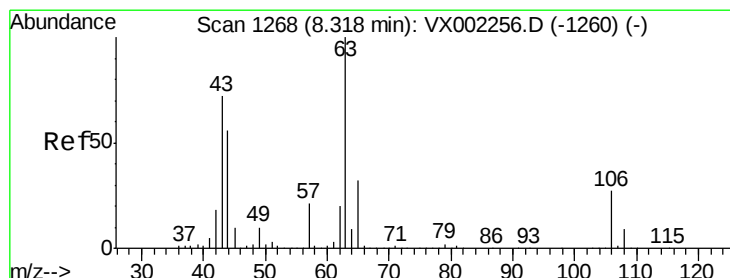
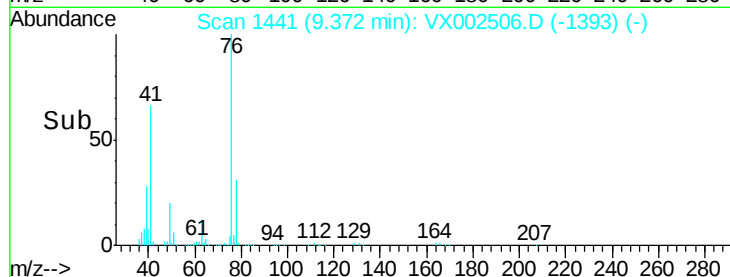
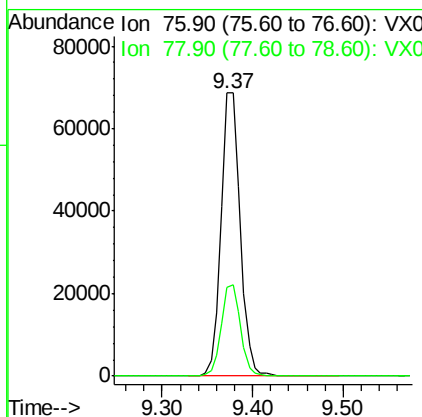
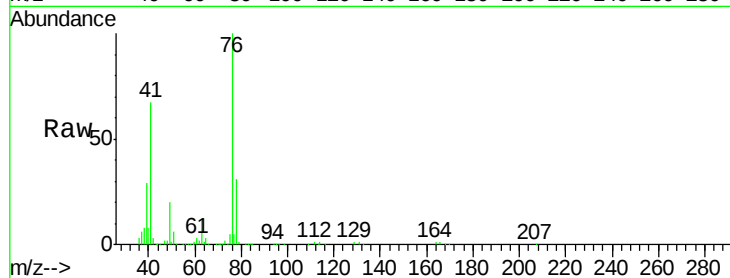
78 32.3 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 112.535 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002506.D

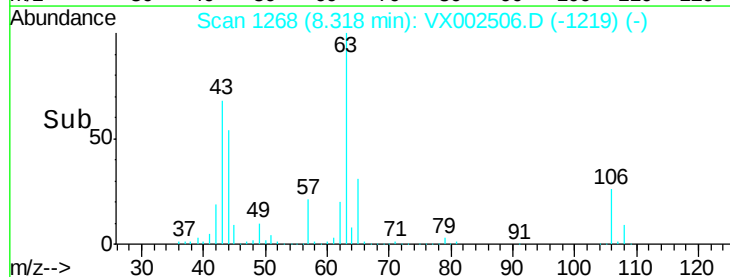
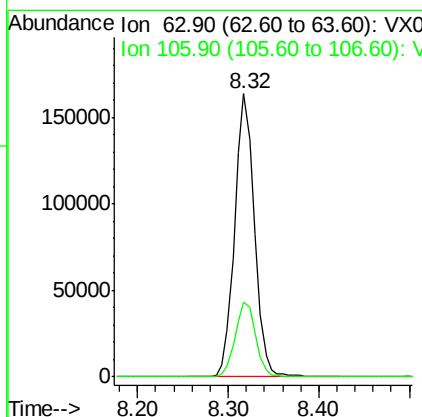
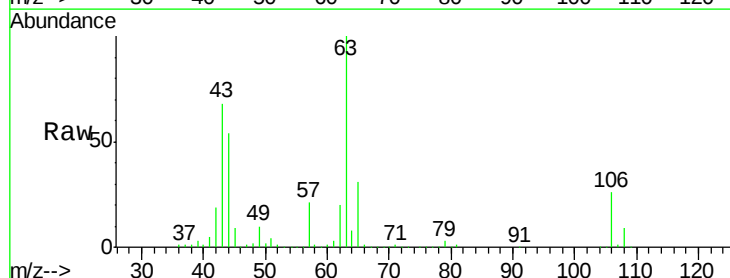
Acq: 13 Jun 2018 13:03

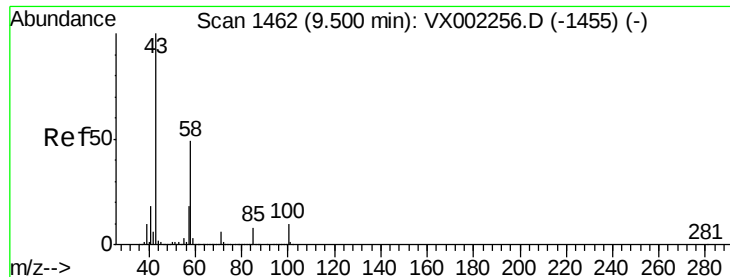
Tgt Ion: 63 Resp: 247528

Ion Ratio Lower Upper

63 100

106 27.5 21.8 32.8





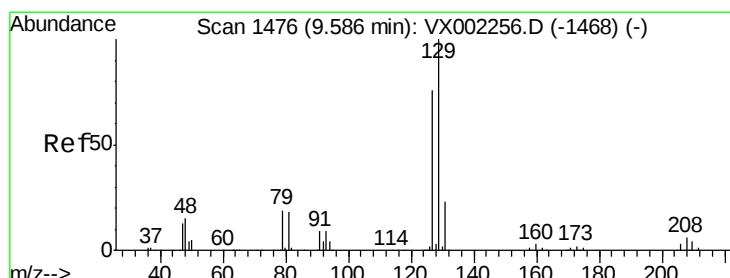
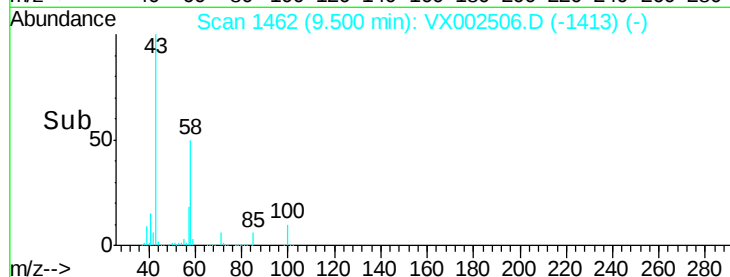
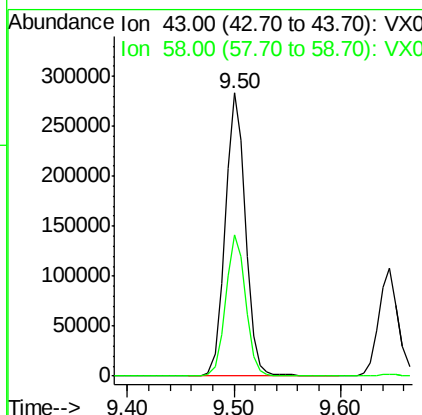
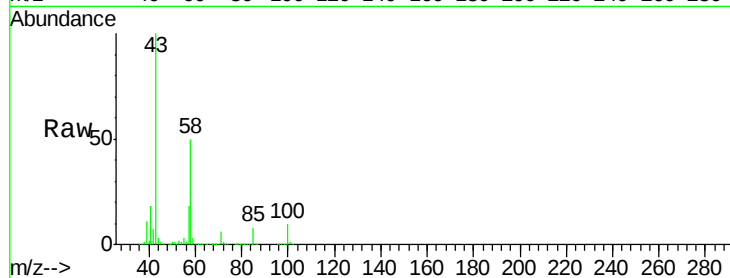
#59
2-Hexanone
Concen: 103.640 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.6	73.6

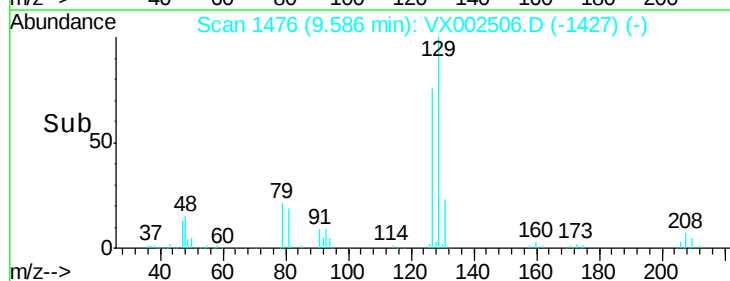
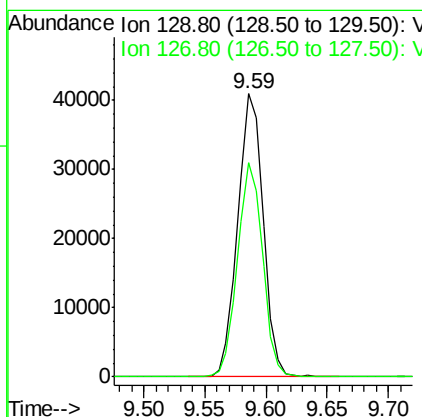
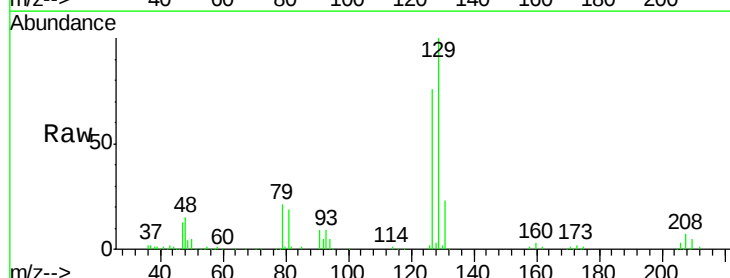
Manual Integrations
APPROVED

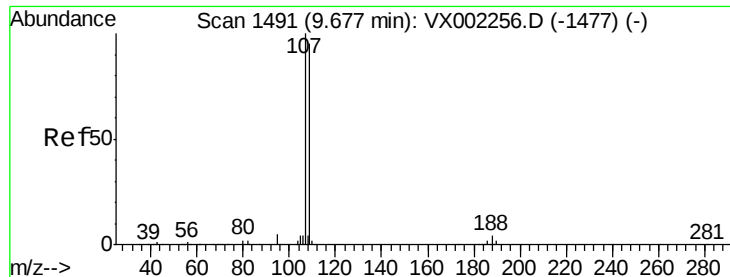
MMDadoda
6/14/2018 11:29:24 AM



#60
Dibromochloromethane
Concen: 19.705 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.3	38.5	115.3





#61

1,2-Dibromoethane

Concen: 20.602 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:107 Resp: 63942

Ion Ratio Lower Upper

107 100

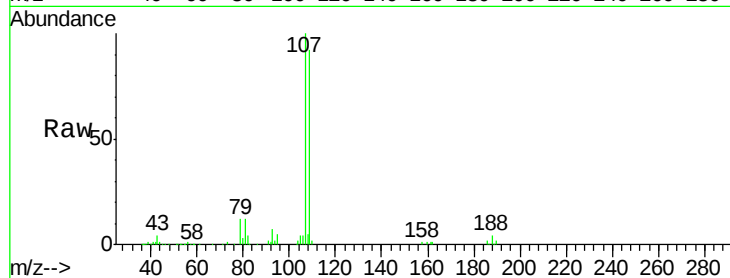
109 92.4 75.3 112.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

30000

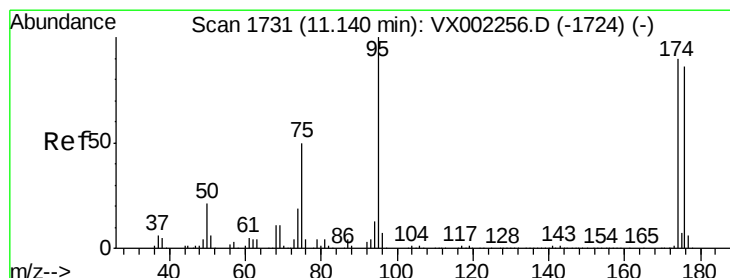
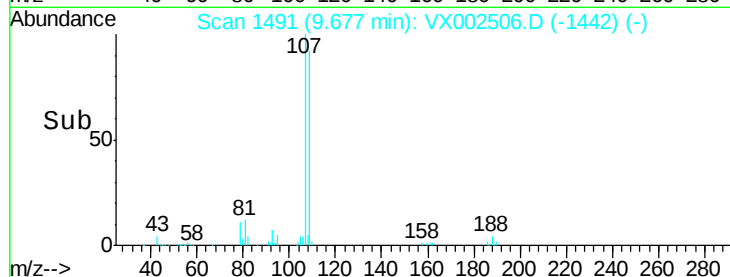
20000

10000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 42.170 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

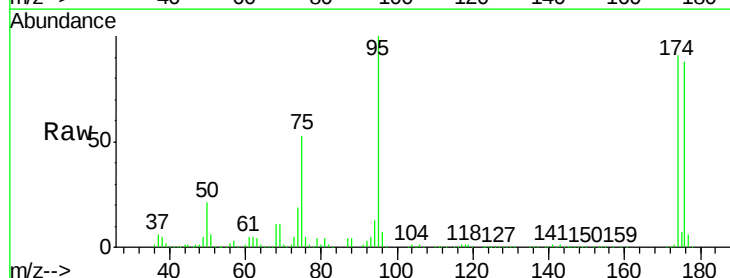
Tgt Ion: 95 Resp: 173036

Ion Ratio Lower Upper

95 100

174 94.1 0.0 187.4

176 91.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

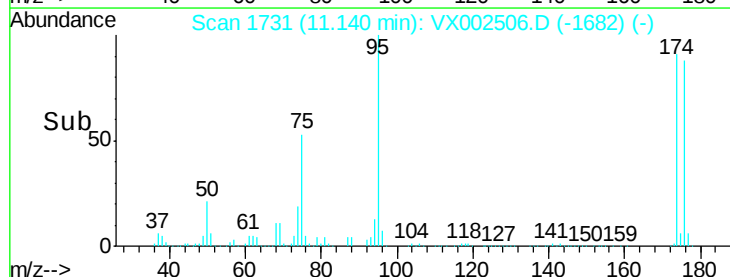
100000

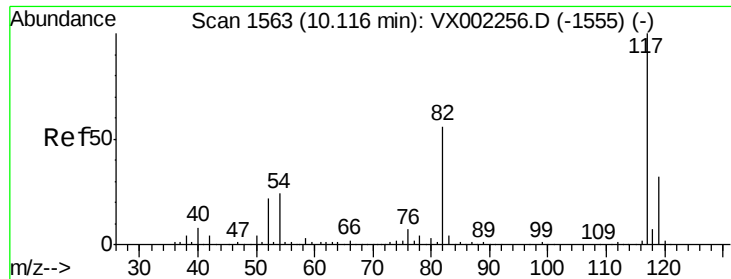
50000

0

Time-->

11.10 11.20





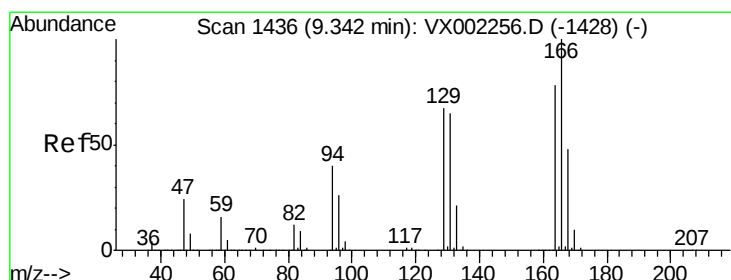
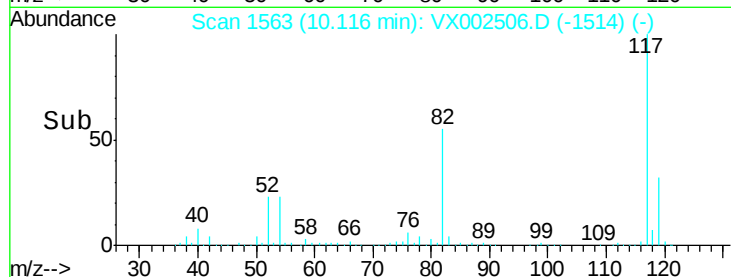
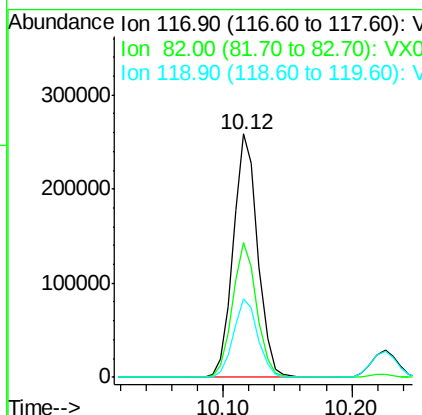
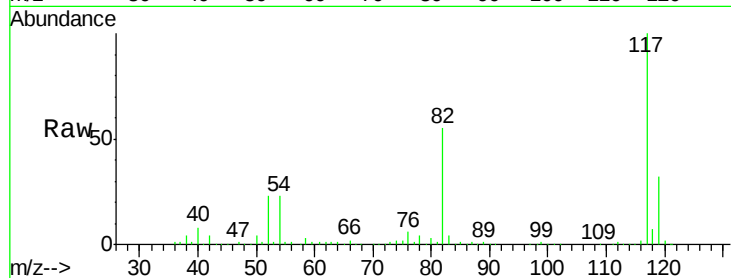
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.0	67.4
119	32.3	25.8	38.6

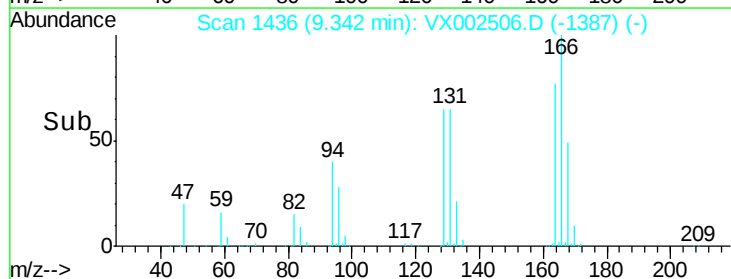
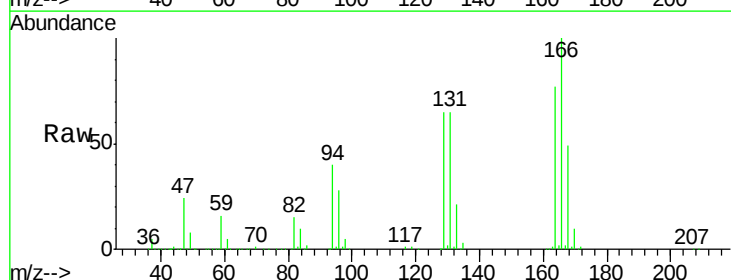
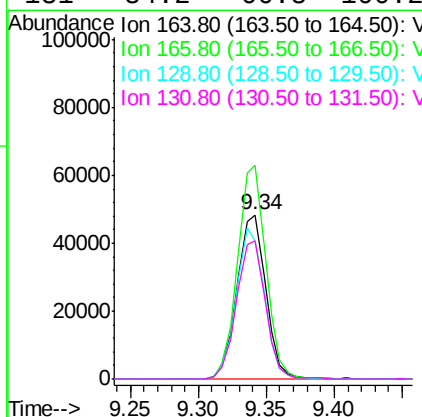
Manual Integrations
APPROVED

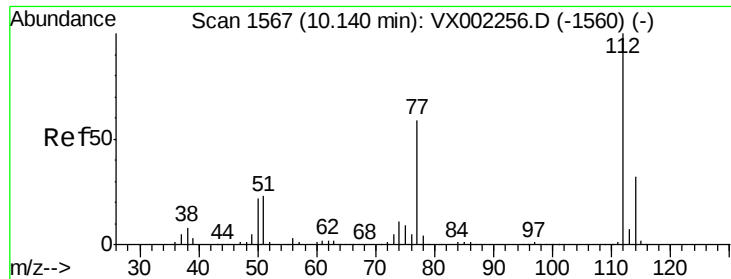
MMDadoda
6/14/2018 11:29:24 AM



#64
Tetrachloroethene
Concen: 20.167 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	102.9	154.3
129	84.2	68.6	102.8
131	84.2	66.8	100.2





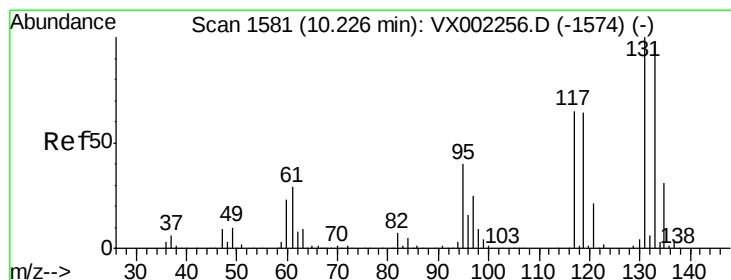
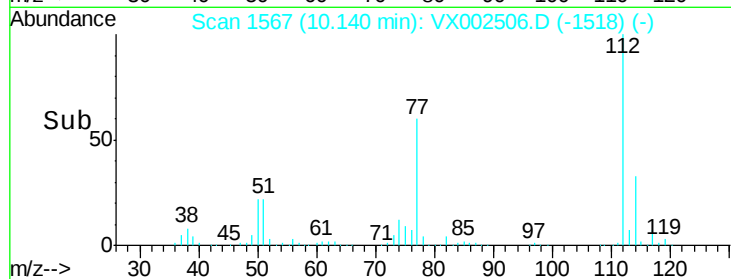
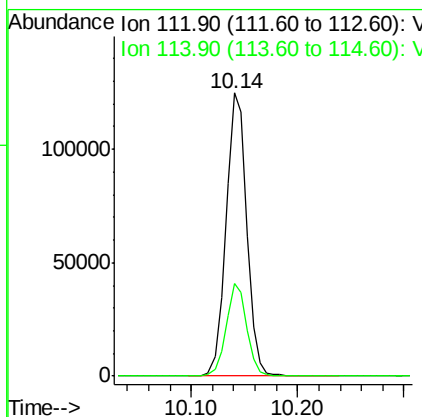
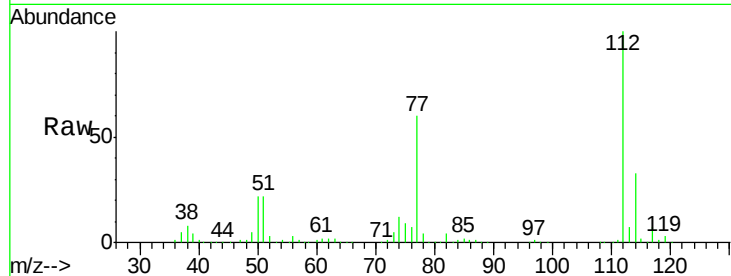
#65
Chlorobenzene
Concen: 19.946 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampled :
VX0613WBS01

Tot Ion:112 Resp: 169944
Ion Ratio Lower Upper
112 100
114 33.0 25.3 37.9

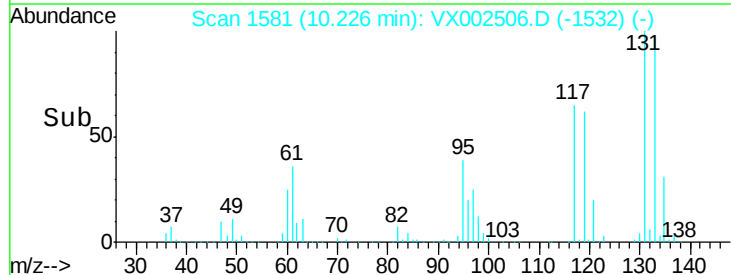
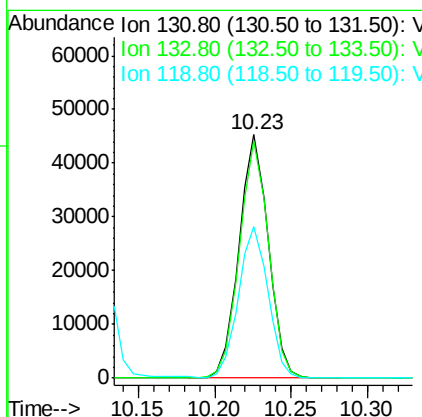
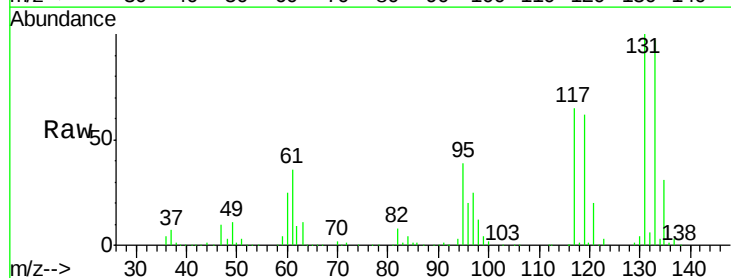
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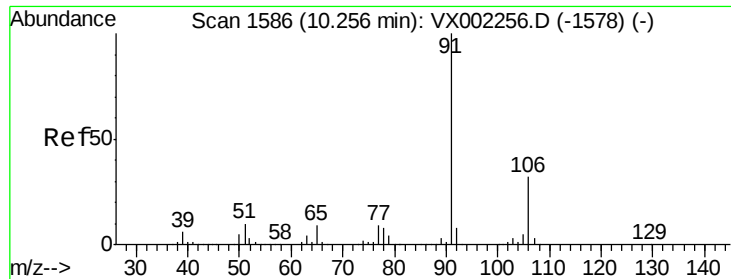
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.520 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion:131 Resp: 60220
Ion Ratio Lower Upper
131 100
133 96.9 47.9 143.6
119 63.1 31.8 95.3





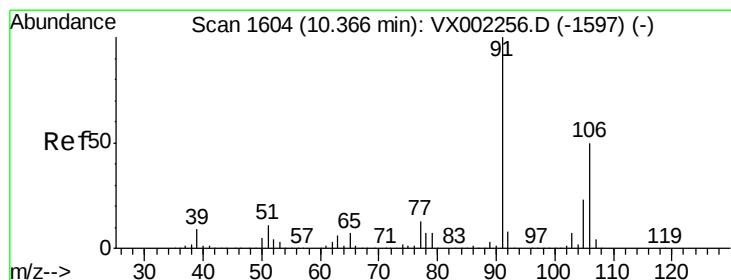
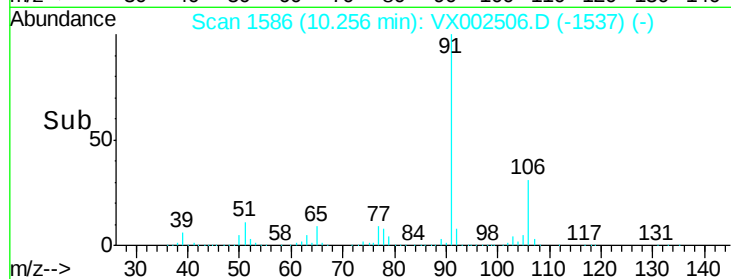
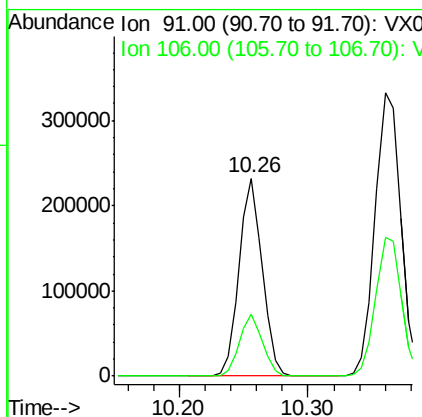
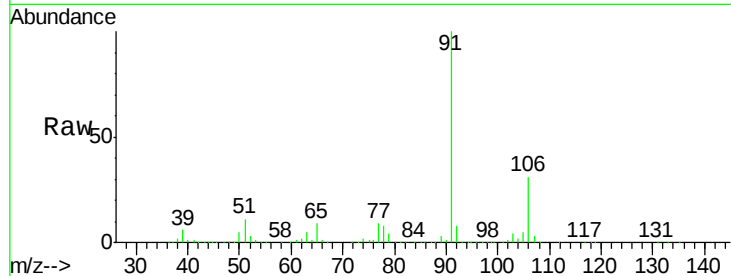
#67
Ethyl Benzene
Concen: 20.409 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion: 91 Resp: 291006
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

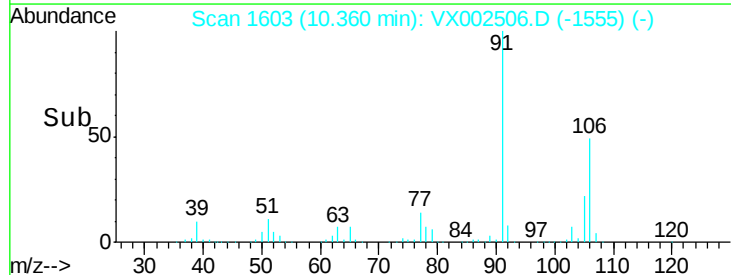
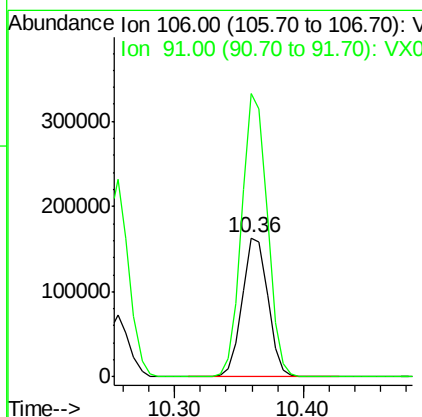
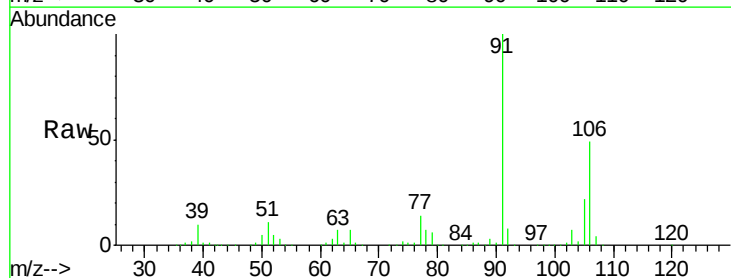
Manual Integrations
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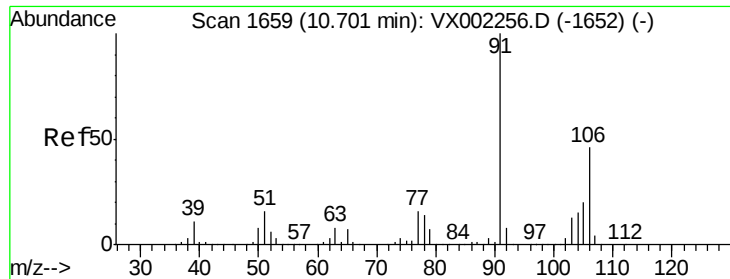
MMDadoda
6/14/2018 11:29:24 AM



#68
m/p-Xylenes
Concen: 40.518 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion: 106 Resp: 224582
Ion Ratio Lower Upper
106 100
91 203.3 163.4 245.2





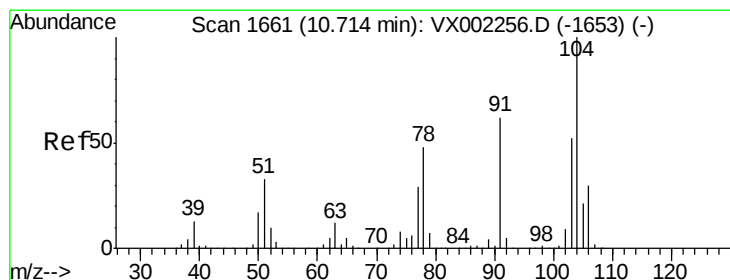
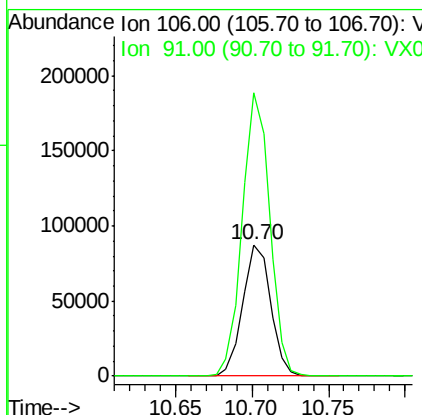
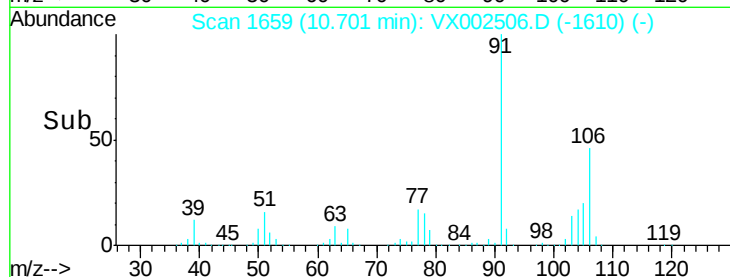
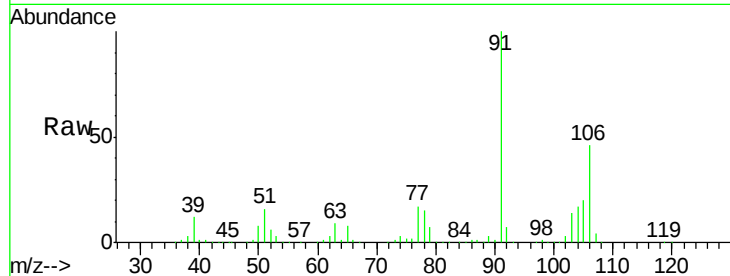
#69
o-Xylene
Concen: 20.130 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion:106 Resp: 111036
Ion Ratio Lower Upper
106 100
91 212.8 108.2 324.6

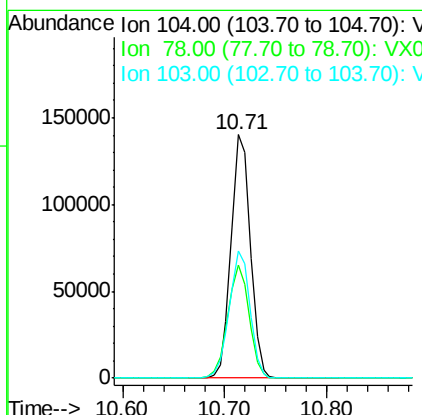
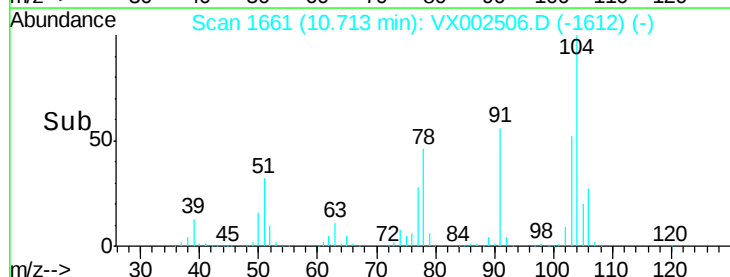
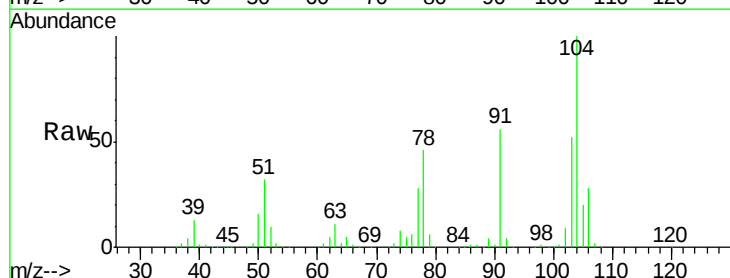
Manual Integrations
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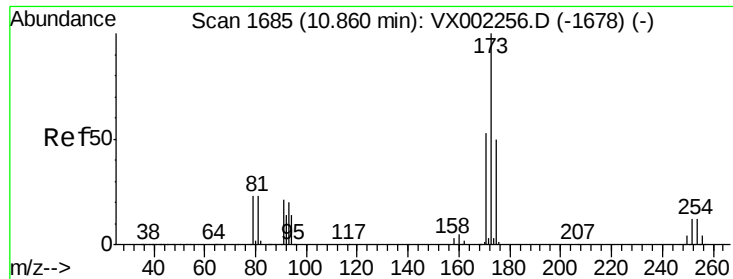
MMDadoda
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#70
Styrene
Concen: 20.338 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion:104 Resp: 183393
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.6
103 56.3 44.2 66.4





#71

Bromoform

Concen: 17.988 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:173 Resp: 43129

Ion Ratio Lower Upper

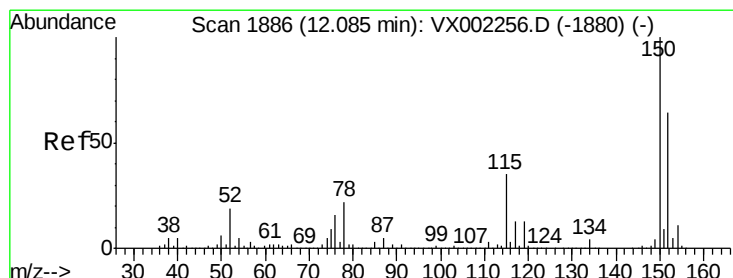
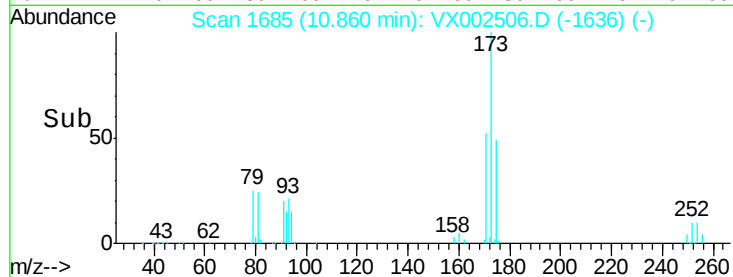
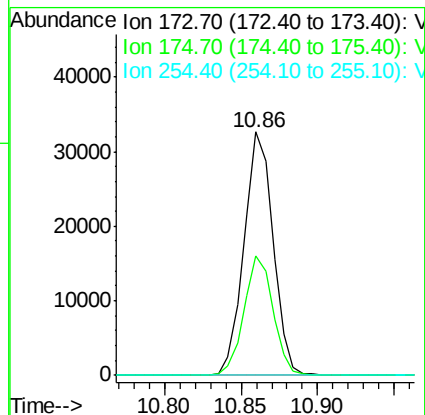
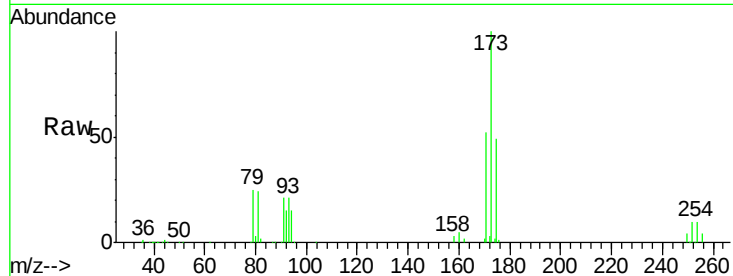
173 100

175 48.8 24.7 74.1

254 0.1 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

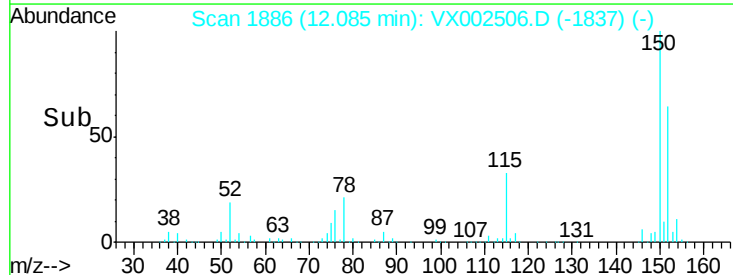
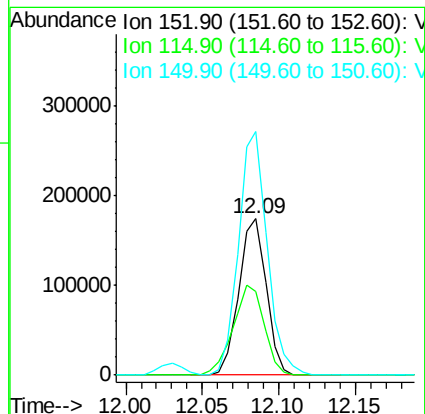
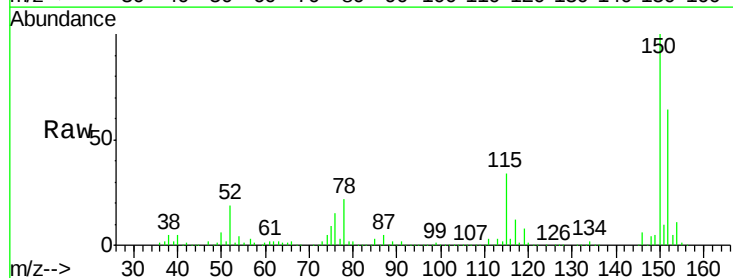
Tgt Ion:152 Resp: 215294

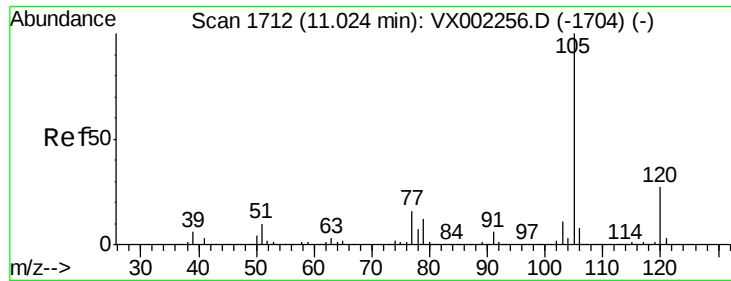
Ion Ratio Lower Upper

152 100

115 65.5 40.1 120.2

150 163.6 0.0 347.2





#73

Isopropylbenzene

Concen: 20.413 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:105 Resp: 305724

Ion Ratio Lower Upper

105 100

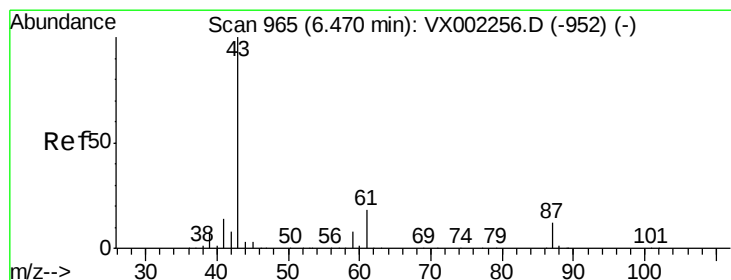
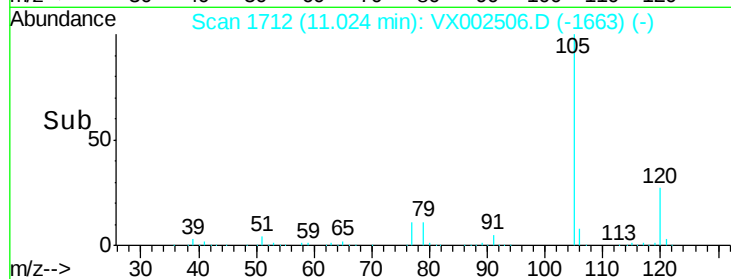
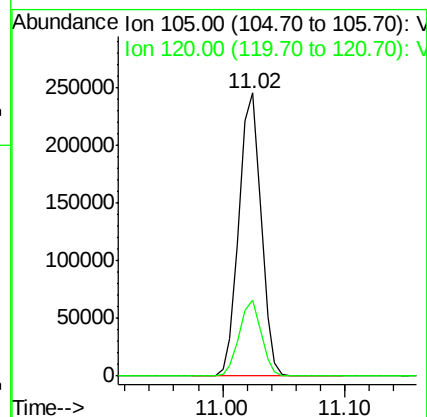
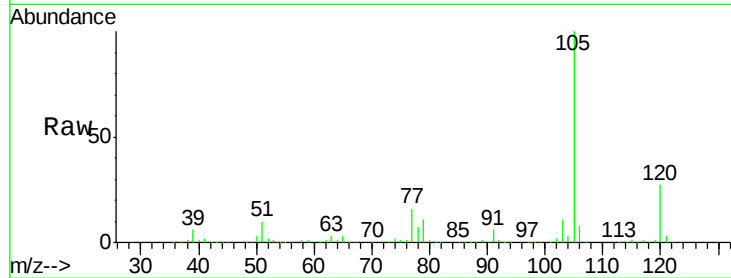
120 26.7 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.106 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Tgt Ion: 43 Resp: 146116

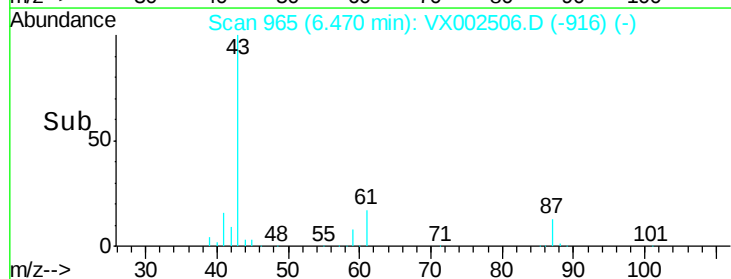
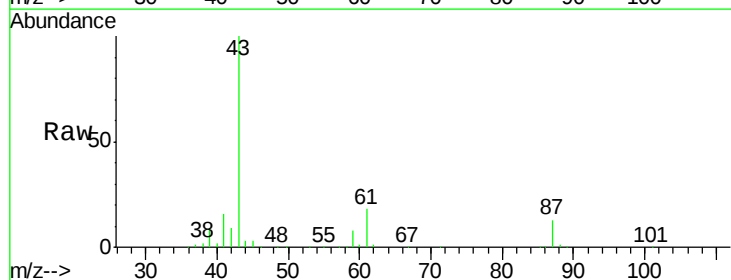
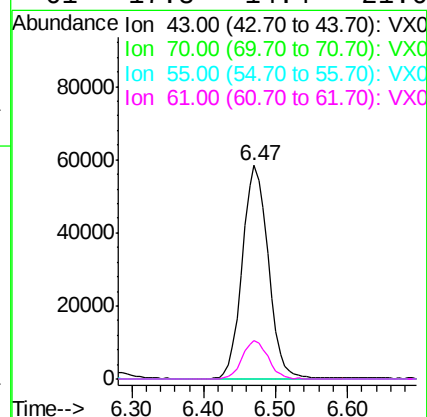
Ion Ratio Lower Upper

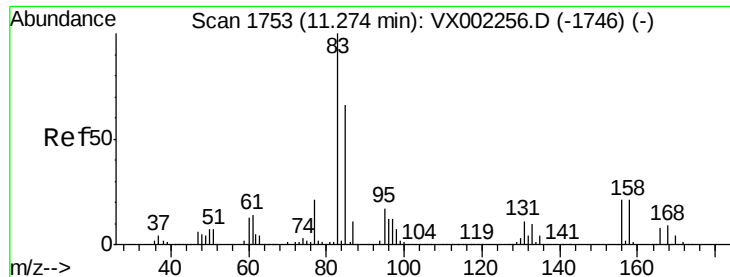
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.8 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.649 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

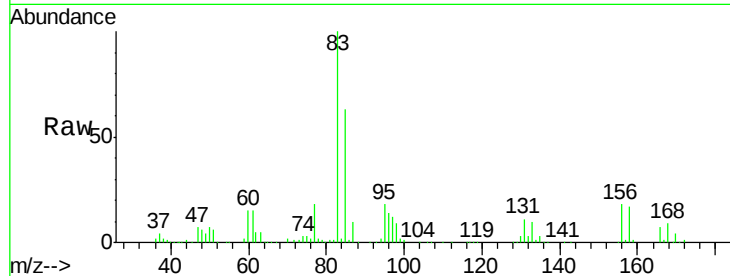
ClientSampleId :

VX0613WBS01

Tot Ion:	83	Resp:	92557
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.2	32.4	97.2

Manual Integrations
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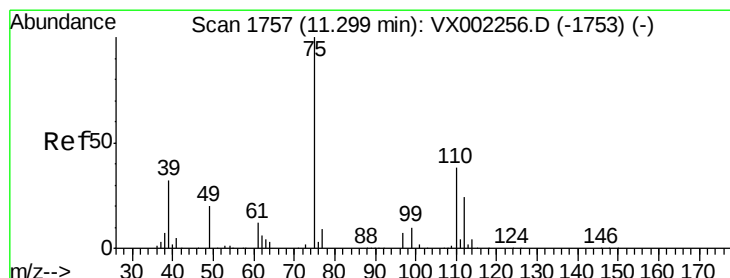
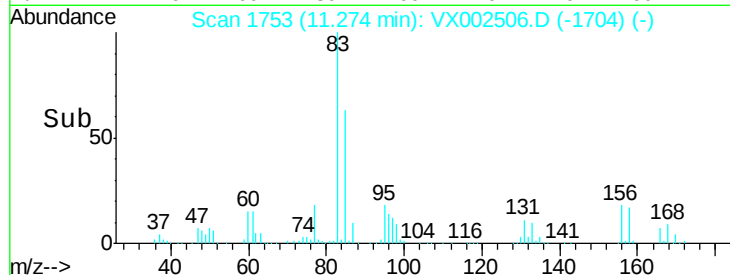
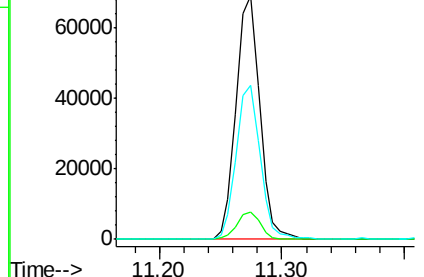
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.609 ug/l m

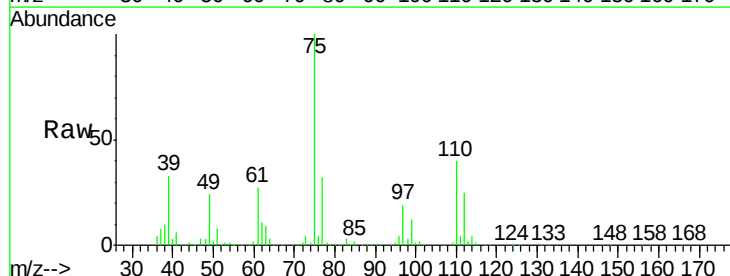
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002506.D

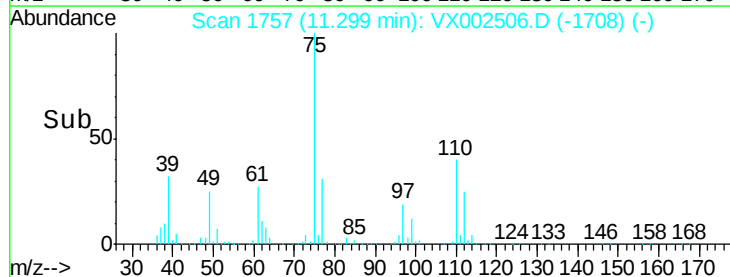
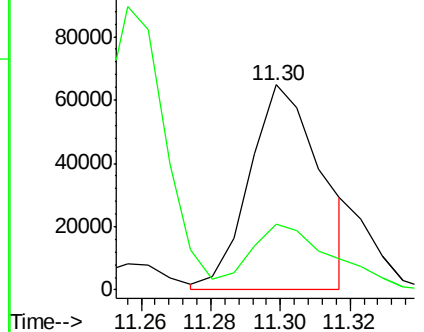
Acq: 13 Jun 2018 13:03

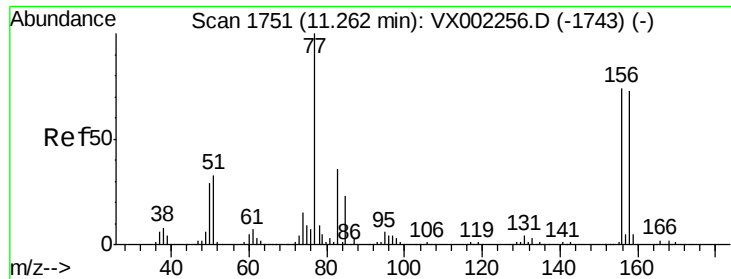
Tgt Ion:	75	Resp:	92633
Ion Ratio	Lower	Upper	
75	100		
77	37.0	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.309 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

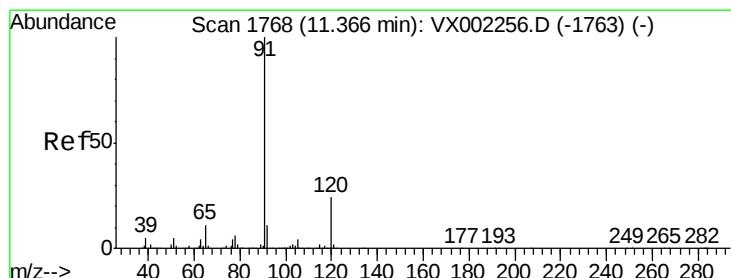
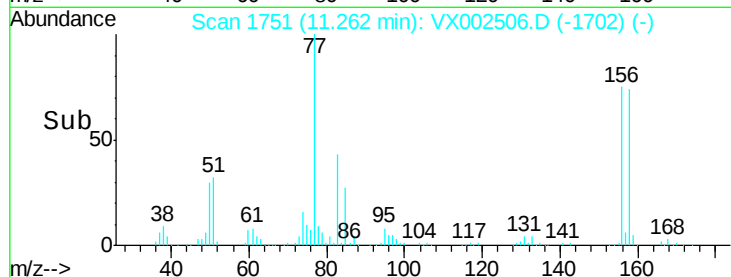
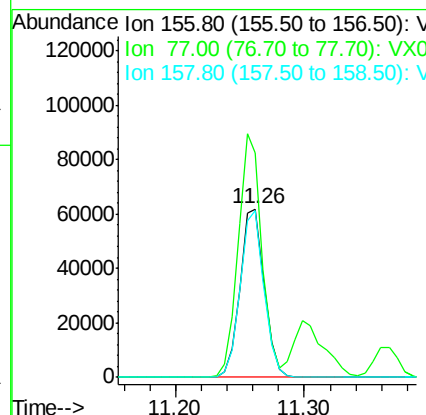
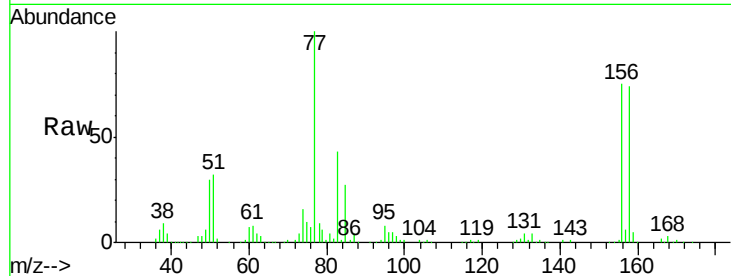
ClientSampleId :

VX0613WBS01

Tot Ion:	156	Resp:	81185
Ion	Ratio	Lower	Upper
156	100		
77	140.6	71.4	214.2
158	96.6	48.9	146.6

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#78

n-propylbenzene

Concen: 21.003 ug/l

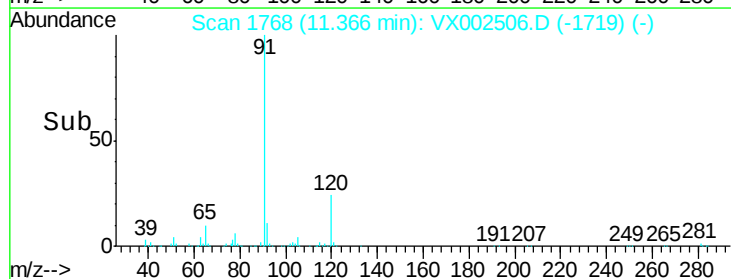
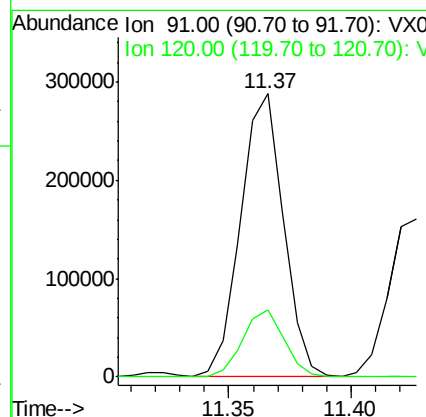
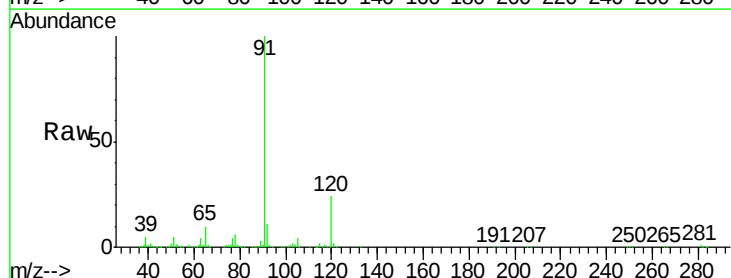
RT: 11.37 min Scan# 1768

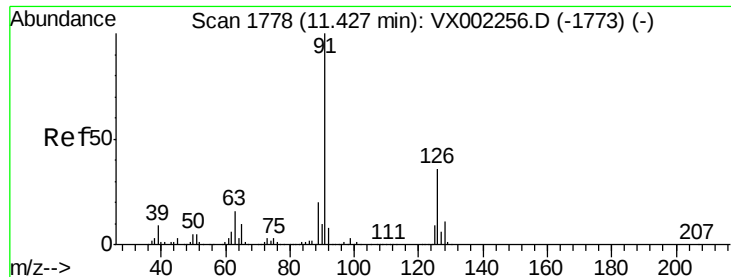
Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Tgt Ion:	91	Resp:	349620
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.4





#79

2-Chlorotoluene

Concen: 19.507 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 91 Resp: 205041

Ion Ratio Lower Upper

91 100

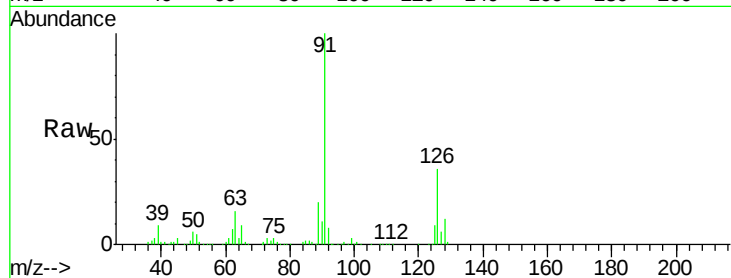
126 35.4 17.7 53.1

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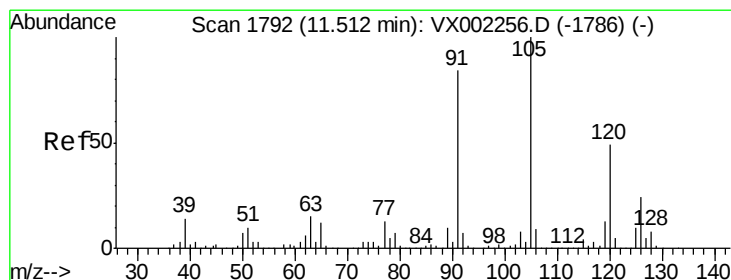
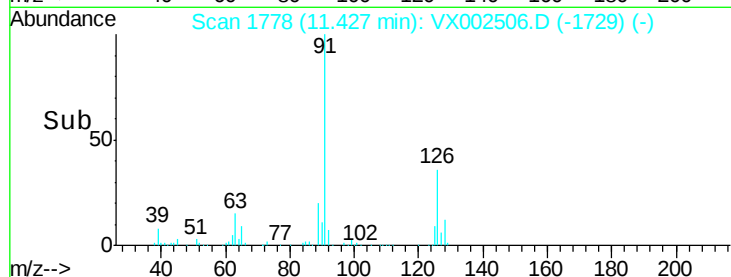
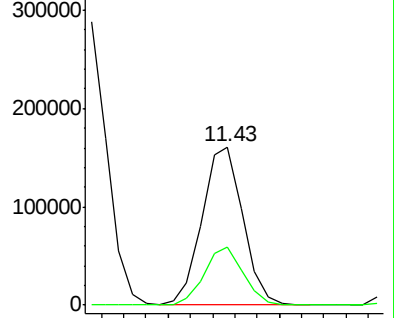
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.746 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002506.D

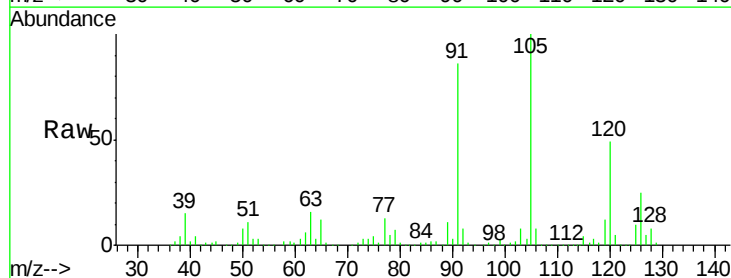
Acq: 13 Jun 2018 13:03

Tgt Ion: 105 Resp: 253656

Ion Ratio Lower Upper

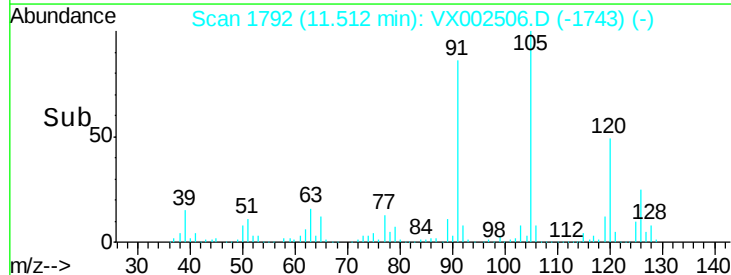
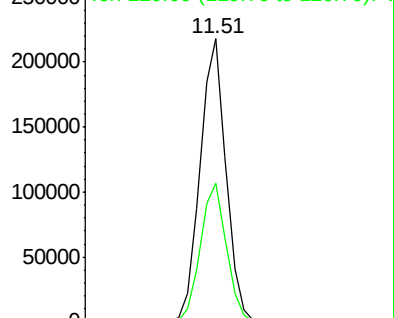
105 100

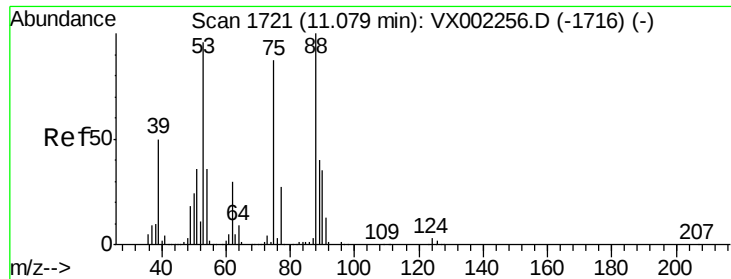
120 49.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





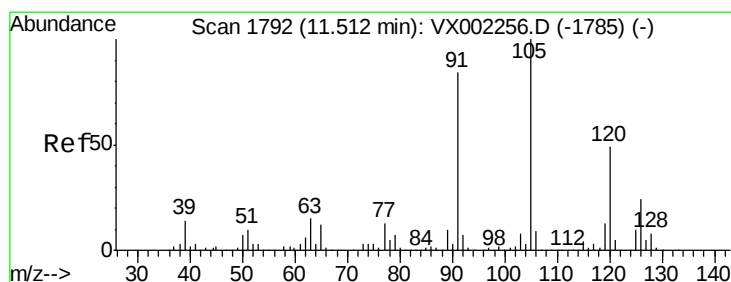
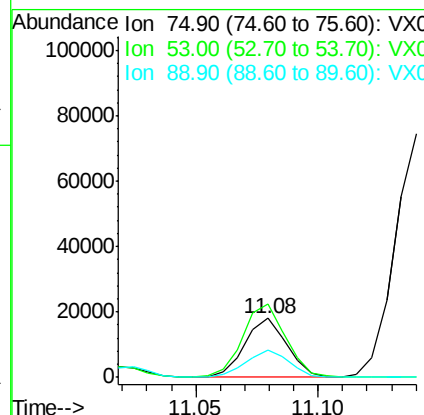
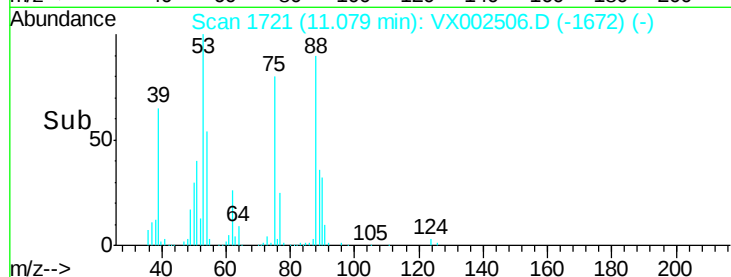
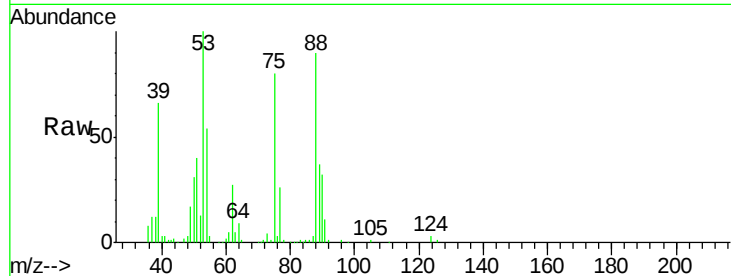
#81
trans-1,4-Dichloro-2-butene
Concen: 16.029 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	128.9	86.8	130.2
89	47.8	38.2	57.2

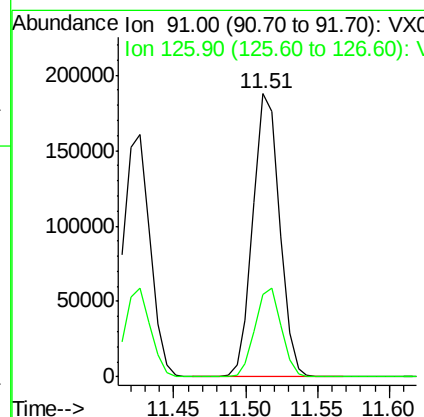
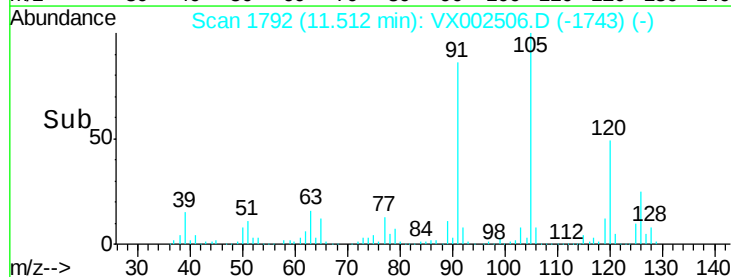
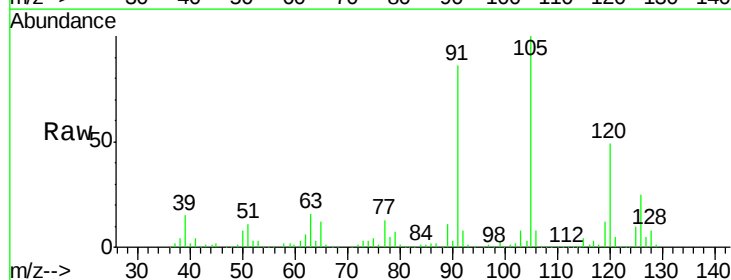
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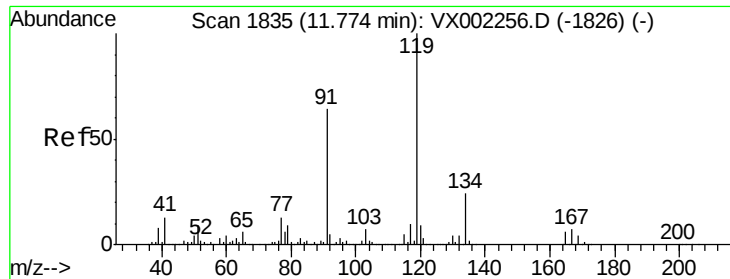
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#82
4-Chlorotoluene
Concen: 19.754 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.4	46.4





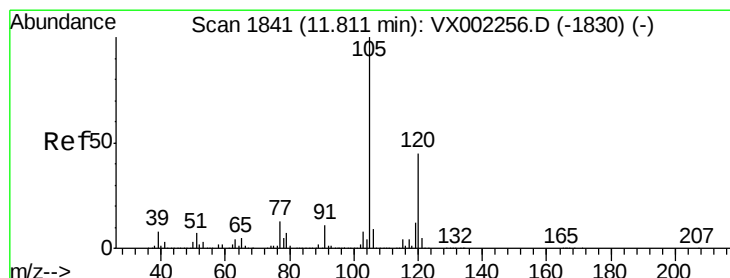
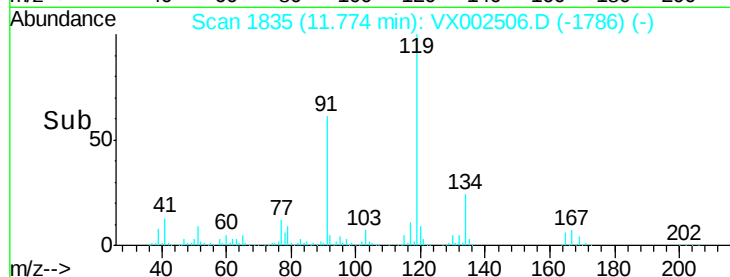
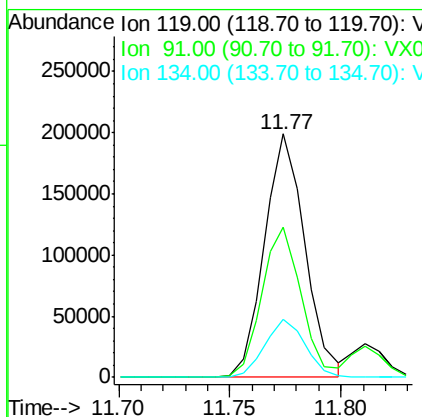
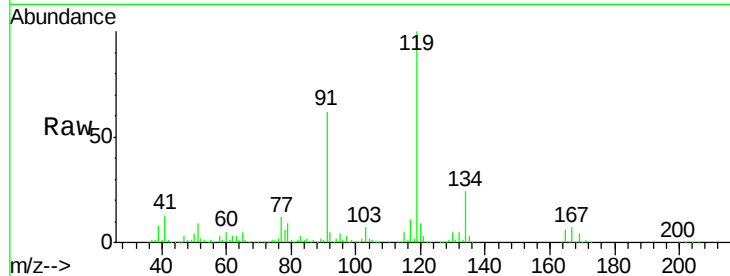
#83
 tert-Butylbenzene
 Concen: 20.094 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	251366		
91	60.4		30.3	90.9
134	23.7		11.7	35.1

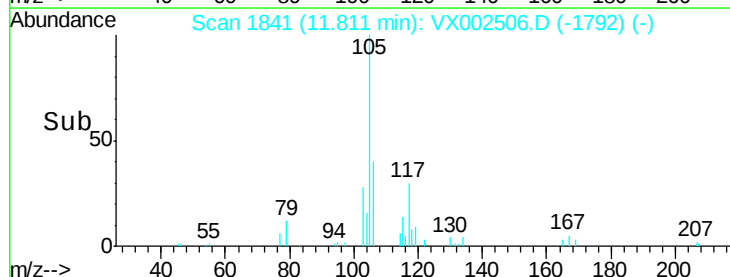
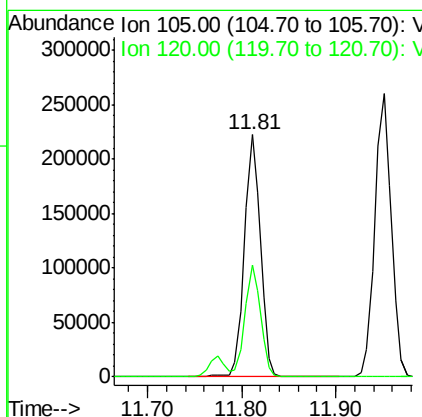
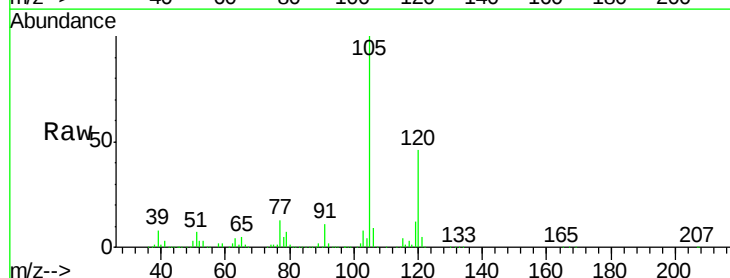
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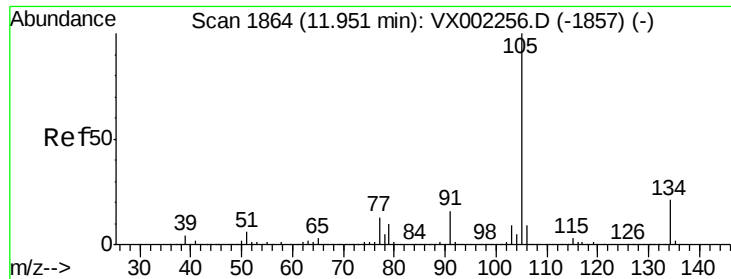
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.030 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	264872		
120	45.4		22.3	66.8





#85

sec-Butylbenzene

Concen: 21.534 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

Instrument :

MSVOA_X

ClientSampled :

VX0613WBS01

Tot Ion:105 Resp: 315800

Ion Ratio Lower Upper

105 100

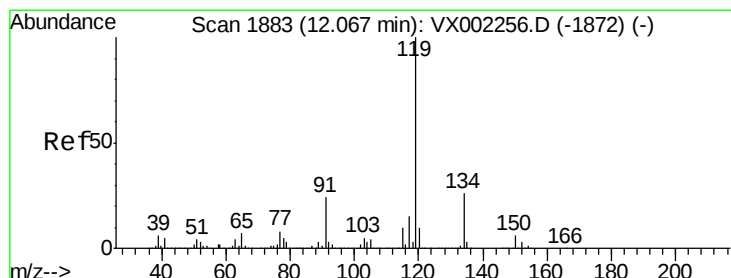
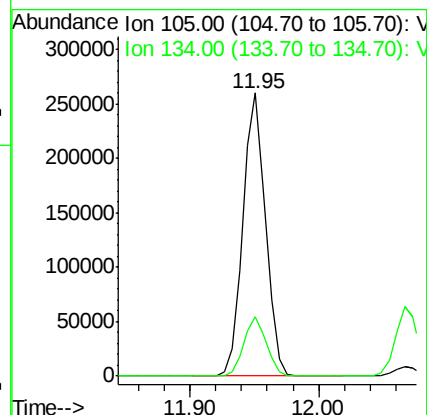
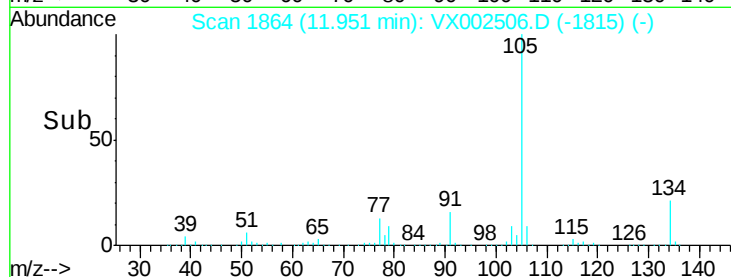
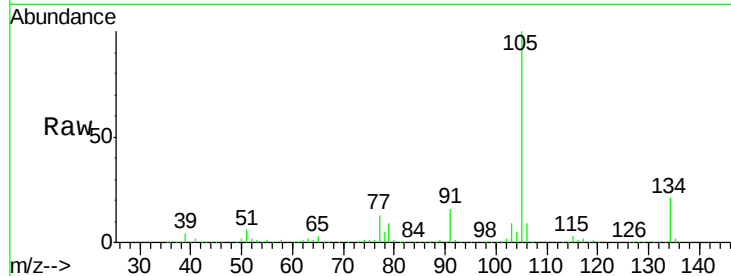
134 20.8 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 21.141 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002506.D

Acq: 13 Jun 2018 13:03

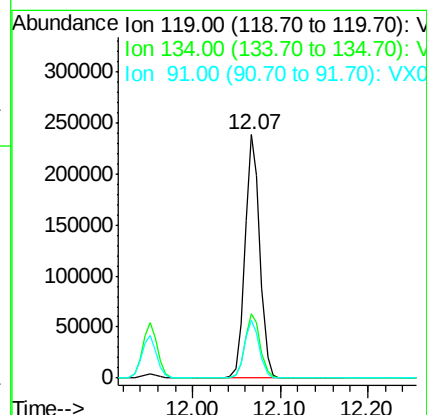
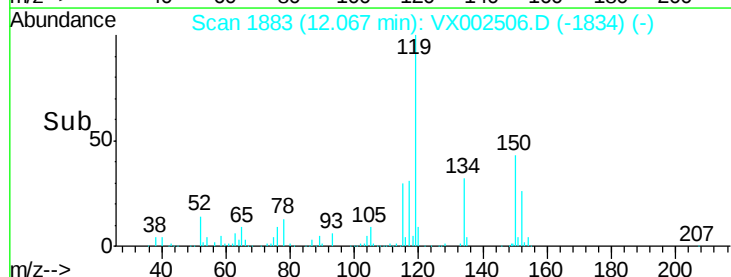
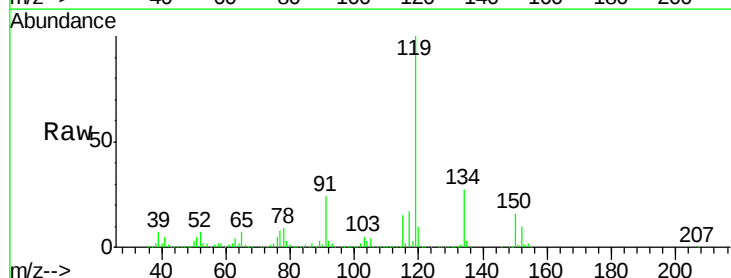
Tgt Ion:119 Resp: 282392

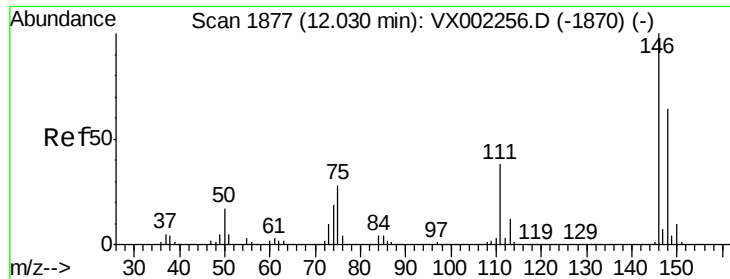
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 24.0 11.9 35.7





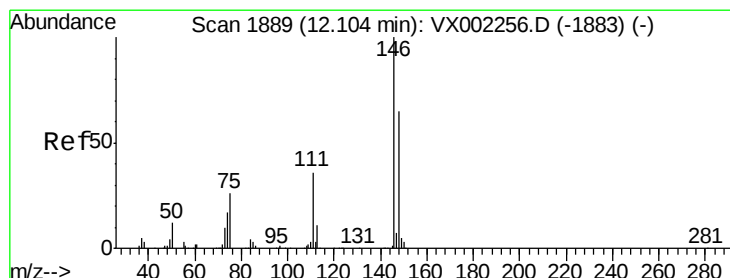
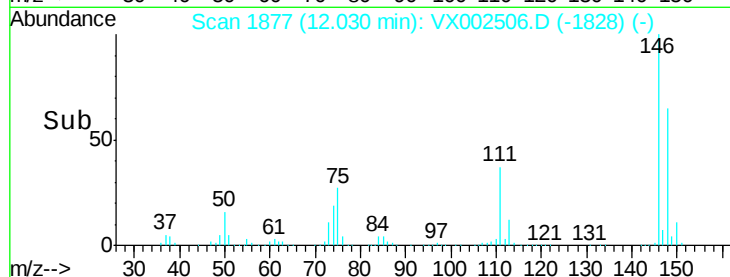
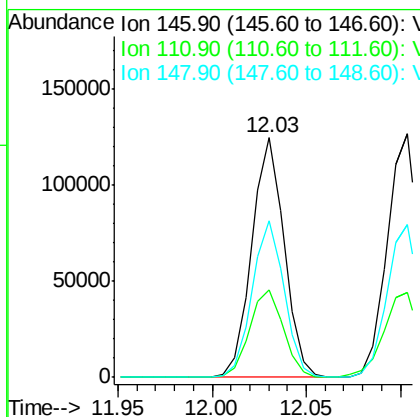
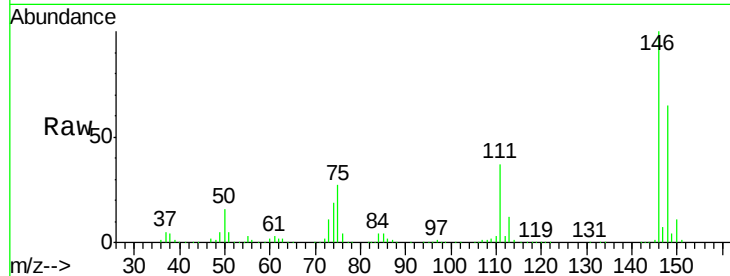
#87
 1,3-Dichlorobenzene
 Concen: 19.756 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.7
148	64.7	32.1	96.3

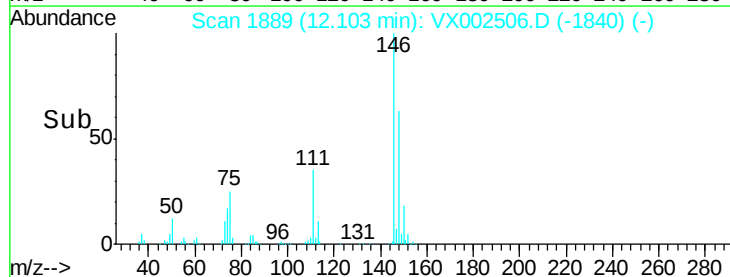
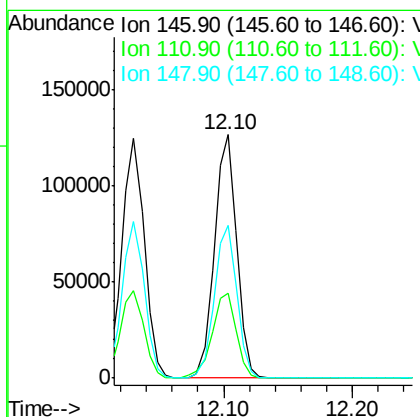
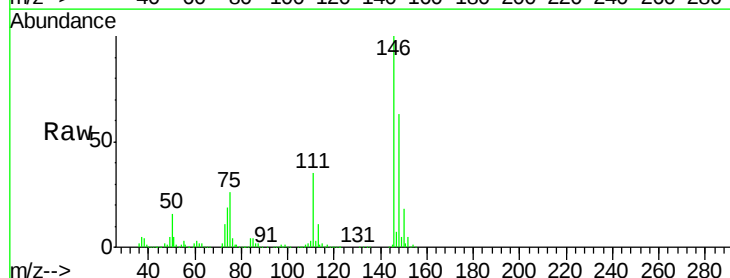
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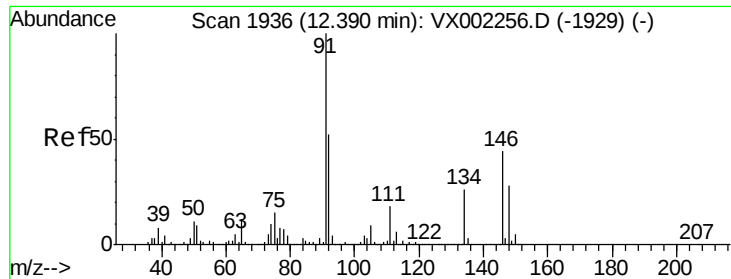
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#88
 1,4-Dichlorobenzene
 Concen: 19.872 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.1	32.4	97.0





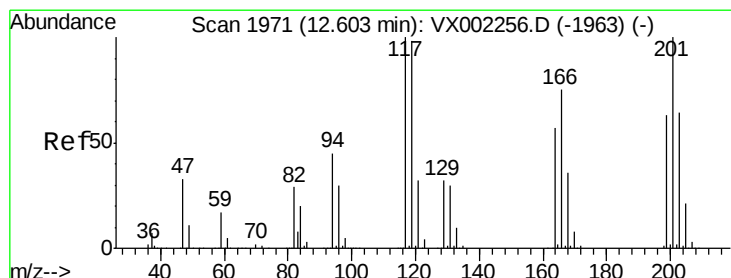
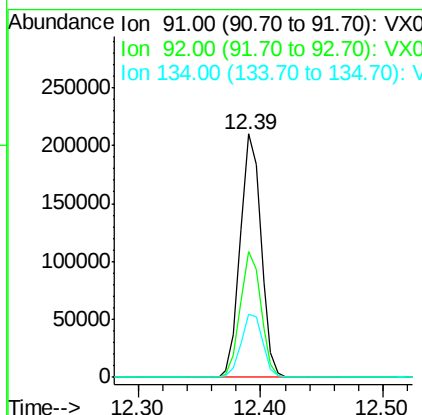
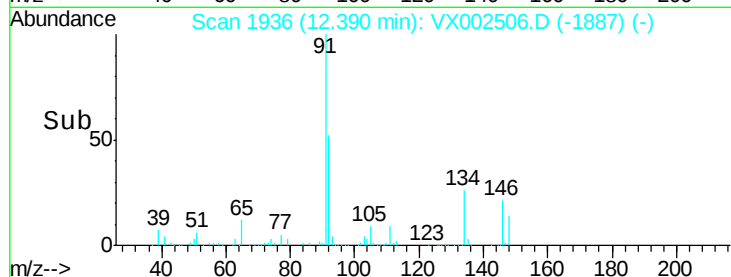
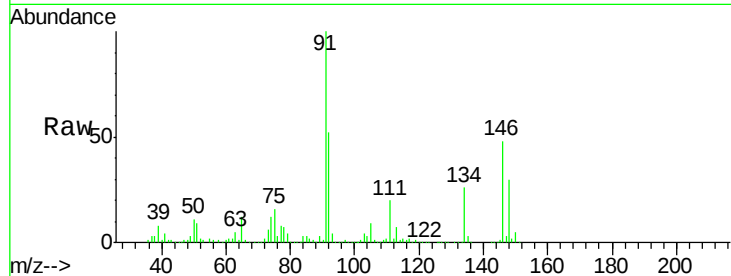
#89
n-Butylbenzene
Concen: 21.998 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.0	78.0
134	26.8	13.5	40.5

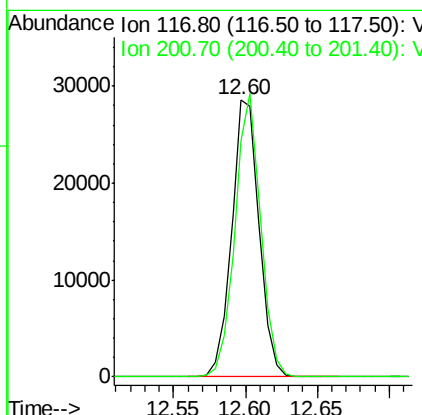
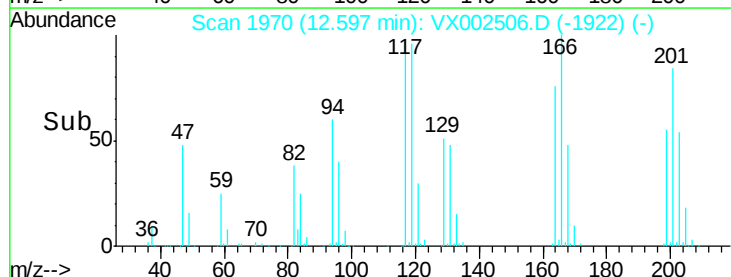
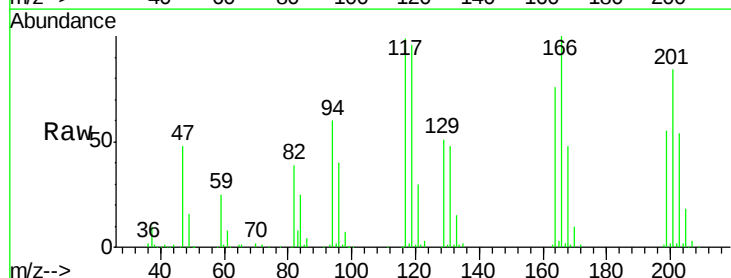
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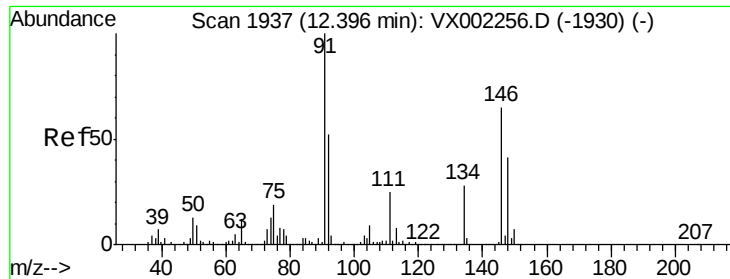
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#90
Hexachloroethane
Concen: 17.883 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	49.0	147.0





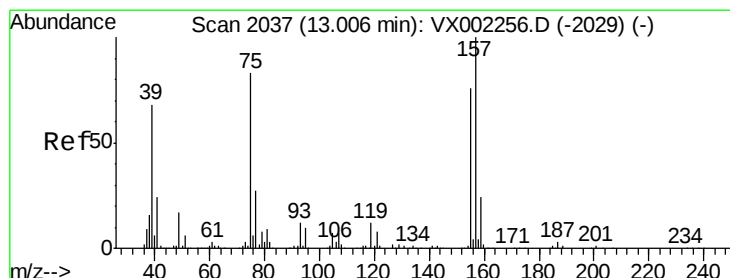
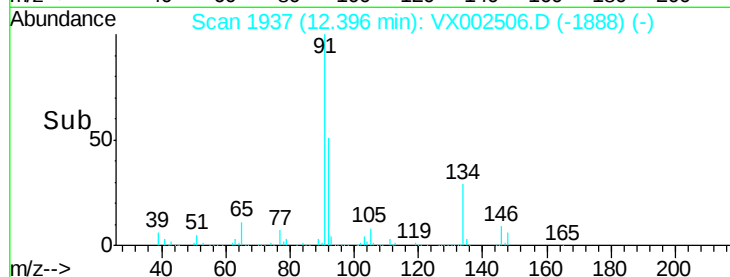
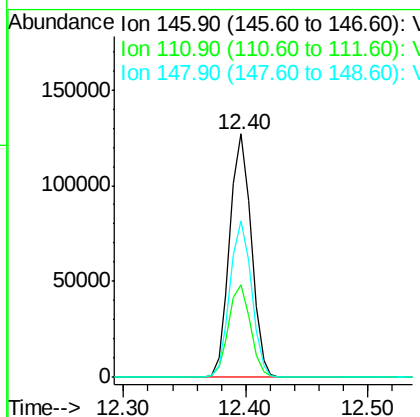
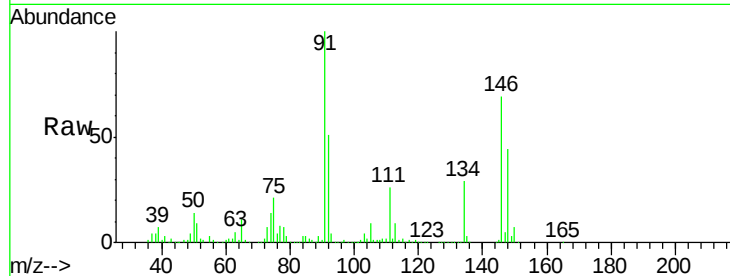
#91
 1,2-Dichlorobenzene
 Concen: 19.899 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	64.3	31.7	95.1

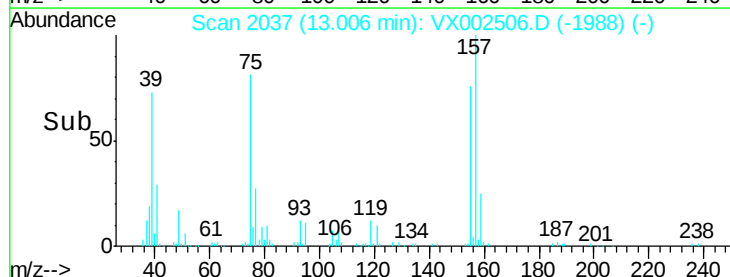
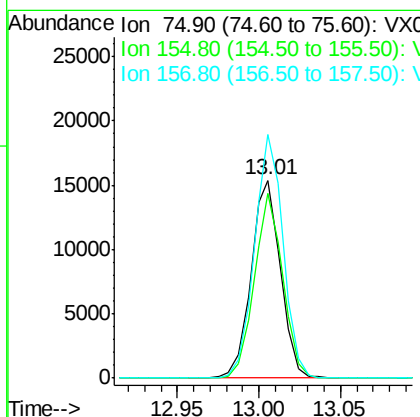
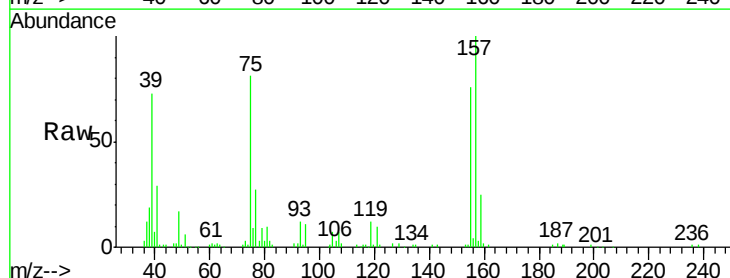
Manual Integrations
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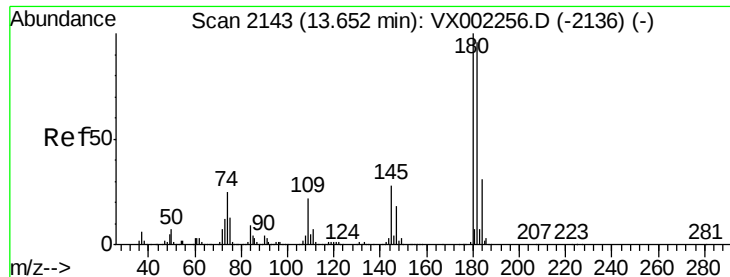
MMDadoda
 6/14/2018 11:29:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.696 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	45.8	137.4
157	119.7	60.1	180.3





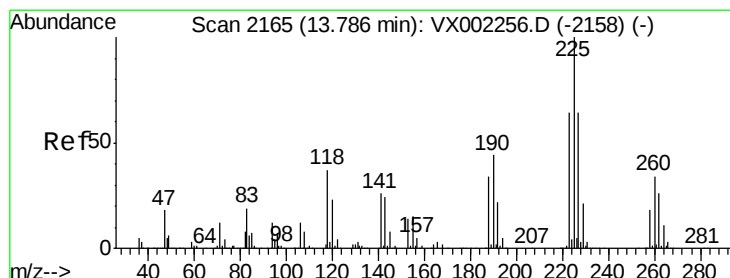
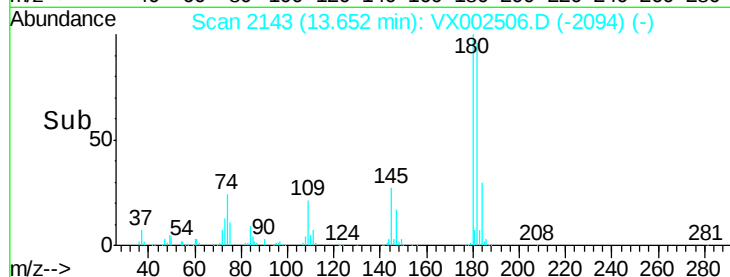
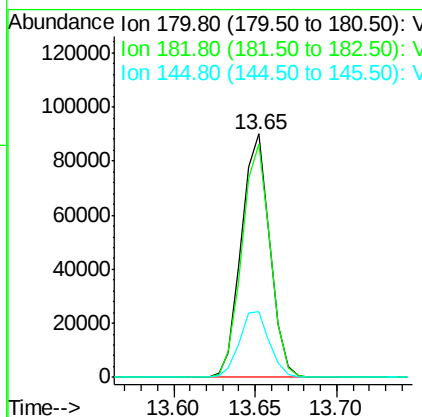
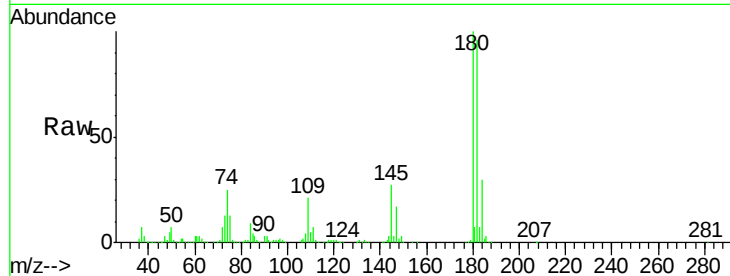
#93
 1,2,4-Trichlorobenzene
 Concen: 20.129 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109784		
182	95.4	47.7	143.1	
145	28.5	14.1	42.4	

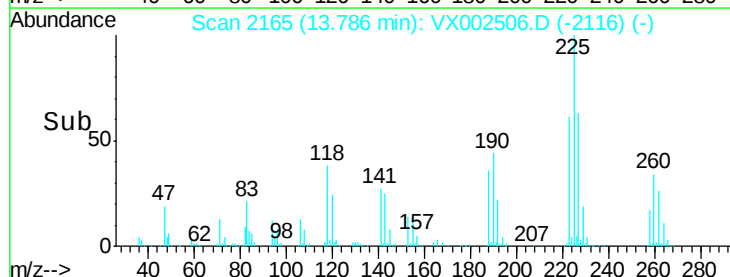
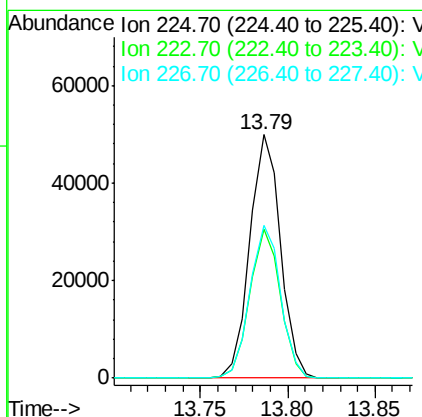
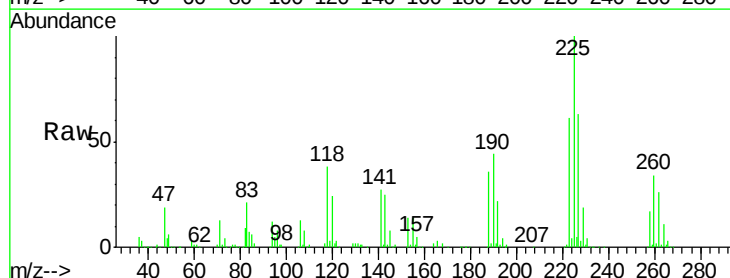
Manual Integrations
 APPROVED

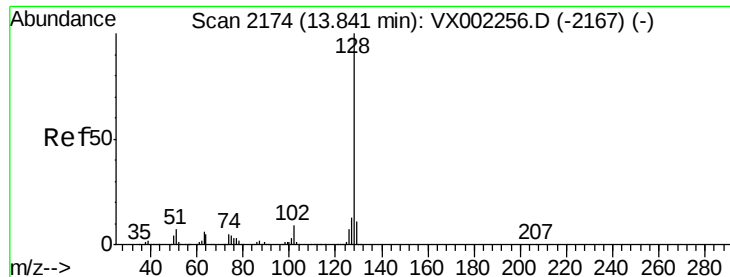
MMDadoda
 6/14/2018 11:29:24 AM



#94
 Hexachlorobutadiene
 Concen: 22.580 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002506.D
 Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60856		
223	60.8	31.6	95.0	
227	63.0	32.4	97.2	





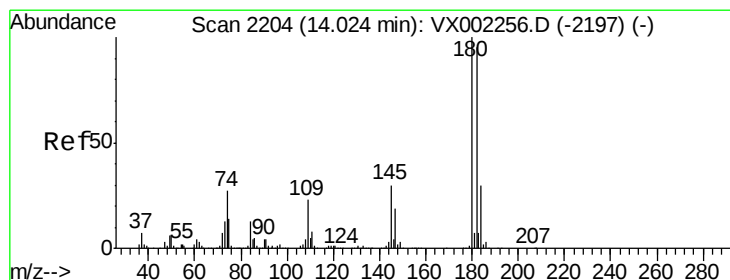
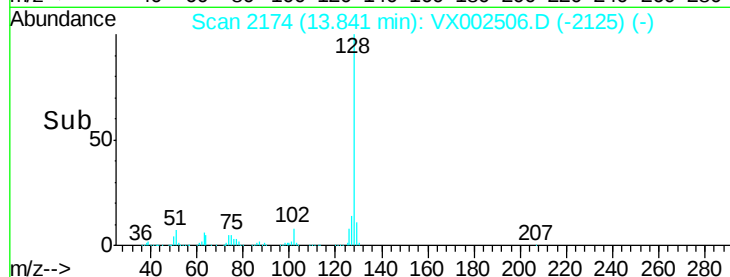
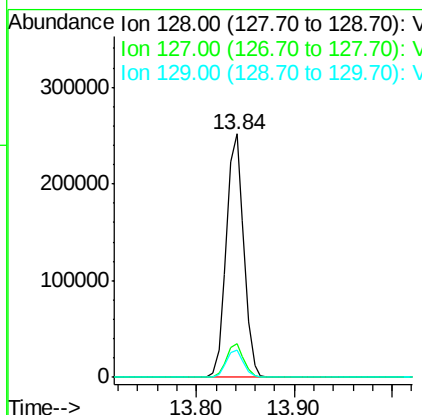
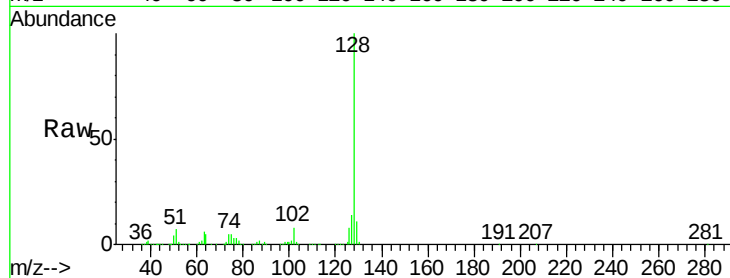
#95
Naphthalene
Concen: 19.849 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/14/2018 11:29:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.196 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002506.D
Acq: 13 Jun 2018 13:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.0
145	29.4	14.8	44.3

