

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002861.D
 Acq On : 25 Jun 2018 13:07
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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 6/28/2018 2:26:27 PM

Quant Time: Jun 25 13:33:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 12:41:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	356771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	240725	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	529033	132.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.68%	
35) Dibromofluoromethane	5.51	113	428129	146.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.58%	
50) Toluene-d8	8.72	98	1596002	144.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.24%	
62) 4-Bromofluorobenzene	11.14	95	649708	154.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.66%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	354272	126.86	ug/l	98
3) Chloromethane	1.32	50	357995	107.76	ug/l	100
4) Vinyl Chloride	1.41	62	421303	122.21	ug/l	99
5) Bromomethane	1.64	94	205212	98.66	ug/l	99
6) Chloroethane	1.70	64	246832	108.63	ug/l	100
7) Trichlorofluoromethane	1.92	101	711971	127.12	ug/l	99
8) Diethyl Ether	2.19	74	264920	124.36	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	406725	129.92	ug/l	98
10) Methyl Iodide	2.51	142	495889	128.63	ug/l	98
11) Tert butyl alcohol	3.10	59	548509	663.72	ug/l	100
12) 1,1-Dichloroethene	2.37	96	373207	126.97	ug/l	96
13) Acrolein	2.30	56	313081	747.09	ug/l	99
14) Allyl chloride	2.72	41	760667	130.33	ug/l	98
15) Acrylonitrile	3.16	53	1192044	661.01	ug/l	100
16) Acetone	2.46	43	1110121	629.43	ug/l	98
17) Carbon Disulfide	2.56	76	1013138	145.32	ug/l	98
18) Methyl Acetate	2.78	43	665324	141.60	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1390051	126.06	ug/l	100
20) Methylene Chloride	2.85	84	424093	117.27	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	405965	127.31	ug/l	97
22) Diisopropyl ether	3.88	45	1492871	141.38	ug/l	99
23) Vinyl Acetate	3.83	43	6291475	711.89	ug/l	99
24) 1,1-Dichloroethane	3.70	63	768025	134.01	ug/l	100
25) 2-Butanone	4.71	43	1719735	742.48	ug/l	98
26) 2,2-Dichloropropane	4.59	77	653588	158.72	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	467899	144.21	ug/l	95
28) Bromochloromethane	5.03	49	330974	123.32	ug/l	94
29) Tetrahydrofuran	5.17	42	1102844	726.51	ug/l	97
30) Chloroform	5.22	83	821682	148.68	ug/l	98
31) Cyclohexane	5.57	56	681582	144.45	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	748323	161.90	ug/l	99
36) 1,1-Dichloropropene	5.80	75	601439	154.96	ug/l	99
37) Ethyl Acetate	4.87	43	672222	153.02	ug/l	100
38) Carbon Tetrachloride	5.79	117	684692	177.16	ug/l	99

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Manual Integrations
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Quant Time: Jun 25 13:33:26 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	706136	155.63	ug/l	97
40) Benzene	6.15	78	1741279	149.62	ug/l	100
41) Methacrylonitrile	5.07	41	388273	156.54	ug/l	99
42) 1,2-Dichloroethane	6.20	62	683426	151.68	ug/l	100
43) Isopropyl Acetate	6.47	43	1147543	157.67	ug/l	99
44) Trichloroethene	7.21	130	518237	154.28	ug/l	96
45) 1,2-Dichloropropane	7.52	63	455684	148.78	ug/l	100
46) Dibromomethane	7.66	93	320290	156.33	ug/l	97
47) Bromodichloromethane	7.90	83	643316	178.02	ug/l	100
48) Methyl methacrylate	7.78	41	607044	163.21	ug/l	98
49) 1,4-Dioxane	7.76	88	224781	3191.28	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	3680339	787.53	ug/l	98
52) Toluene	8.79	92	1159652	156.21	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	762212	179.26	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	745158	189.19	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	478554	159.53	ug/l	99
56) Ethyl methacrylate	9.19	69	757681	164.13	ug/l	96
57) 1,3-Dichloropropane	9.38	76	779540	153.65	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1777126	795.93	ug/l	98
59) 2-Hexanone	9.51	43	2845436	808.02	ug/l	97
60) Dibromochloromethane	9.59	129	563395	194.57	ug/l	99
61) 1,2-Dibromoethane	9.68	107	515420	165.90	ug/l	100
64) Tetrachloroethene	9.34	164	576841	145.66	ug/l	99
65) Chlorobenzene	10.14	112	1362555	155.51	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	527067	176.45	ug/l	99
67) Ethyl Benzene	10.26	91	2334606	157.97	ug/l	99
68) m/p-Xylenes	10.37	106	1830681	321.13	ug/l	98
69) o-Xylene	10.70	106	894895	159.78	ug/l	99
70) Styrene	10.72	104	1514633	164.44	ug/l	100
71) Bromoform	10.87	173	486249	216.61	ug/l	100
73) Isopropylbenzene	11.02	105	2455216	152.50	ug/l	100
74) N-amyl acetate	6.47	43	1147543	143.46	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	746115	156.93	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	626915m	138.01	ug/l	
77) Bromobenzene	11.26	156	693209	154.55	ug/l	97
78) n-propylbenzene	11.37	91	2826683	153.09	ug/l	99
79) 2-Chlorotoluene	11.43	91	1659443	150.53	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2125580	156.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	242017	201.56	ug/l	95
82) 4-Chlorotoluene	11.52	91	2023328	155.54	ug/l	99
83) tert-Butylbenzene	11.77	119	2106774	160.73	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	2189418	157.70	ug/l	99
85) sec-Butylbenzene	11.95	105	2535385	155.56	ug/l	99
86) p-Isopropyltoluene	12.07	119	2327913	157.86	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	1283105	155.99	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1299968	155.32	ug/l	99
89) n-Butylbenzene	12.39	91	2081282	159.99	ug/l	99
90) Hexachloroethane	12.60	117	390150	191.69	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	1279195	154.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	185485	186.25	ug/l	97

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ClientSampleId :
VSTDICC150

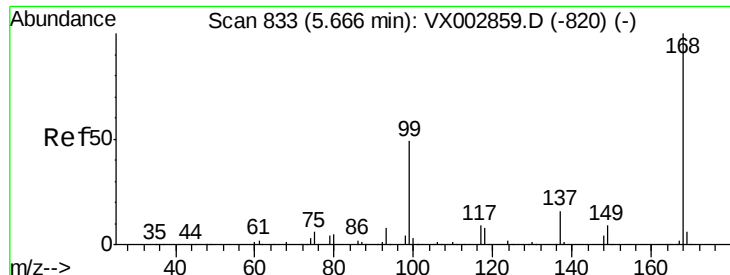
Manual Integrations
APPROVED

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6/28/2018 2:26:27 PM

Quant Time: Jun 25 13:33:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 12:41:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	991083	164.95	ug/l	100
94) Hexachlorobutadiene	13.79	225	490720	155.04	ug/l	99
95) Naphthalene	13.84	128	2691742	166.48	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	978658	162.17	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 263066

Ion Ratio Lower Upper

168 100

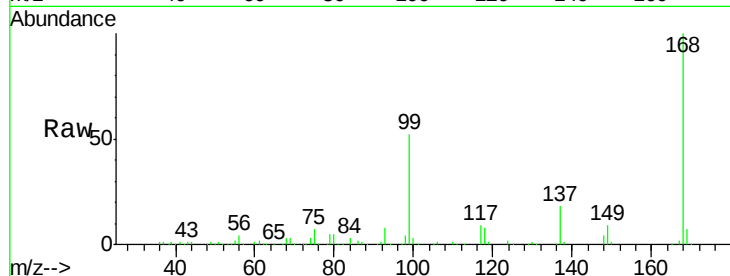
99 52.0 39.3 58.9

Manual Integrations

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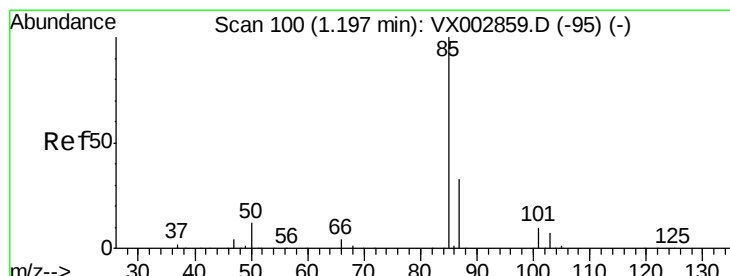
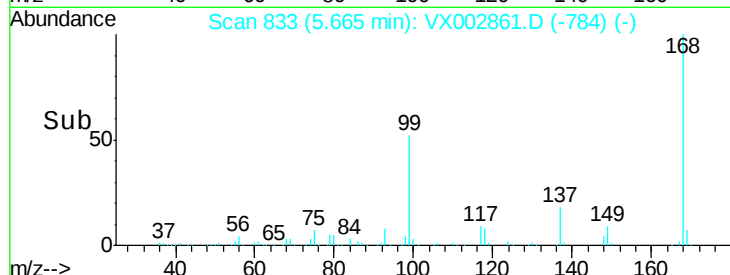
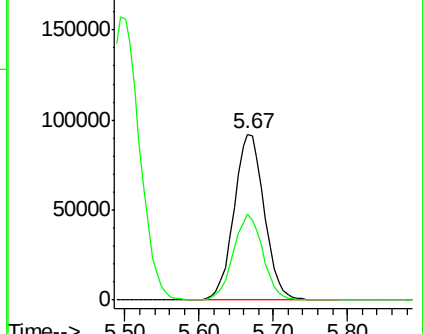
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 126.86 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002861.D

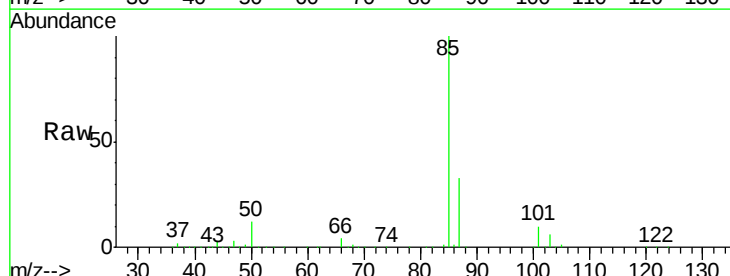
Acq: 25 Jun 2018 13:07

Tgt Ion: 85 Resp: 354272

Ion Ratio Lower Upper

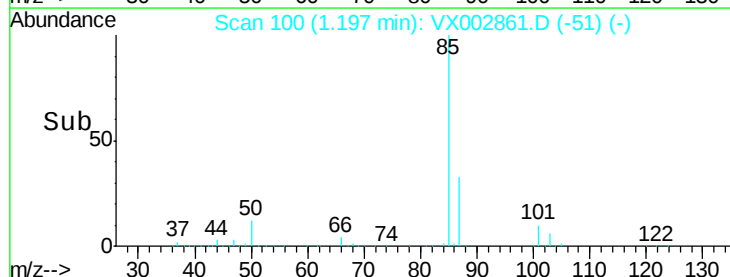
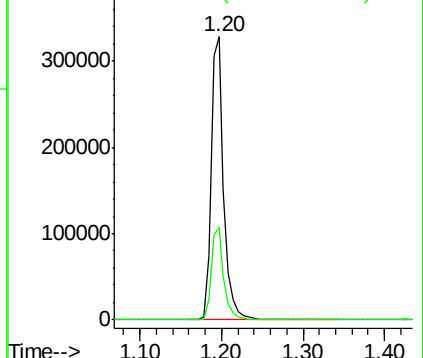
85 100

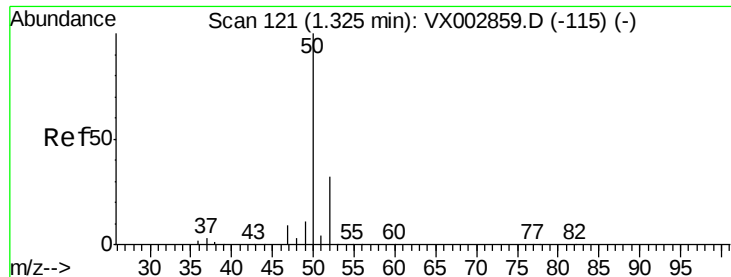
87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 107.76 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 357995

Ion Ratio Lower Upper

50 100

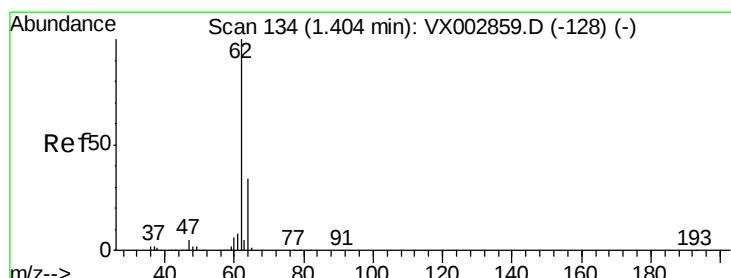
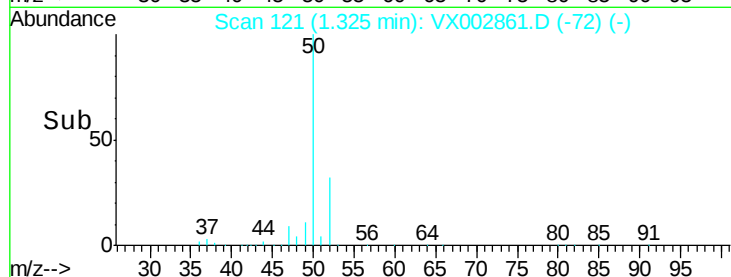
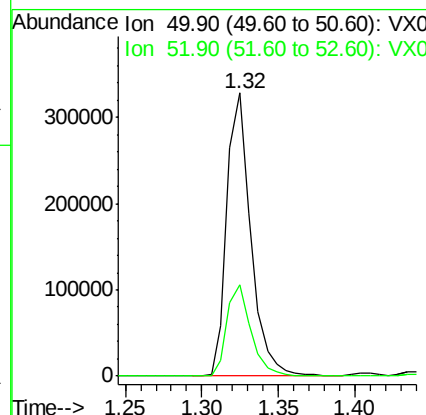
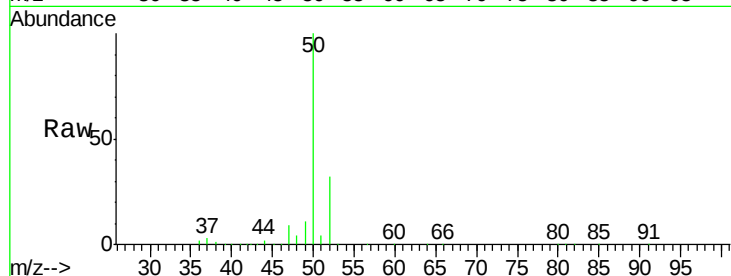
52 32.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 122.21 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002861.D

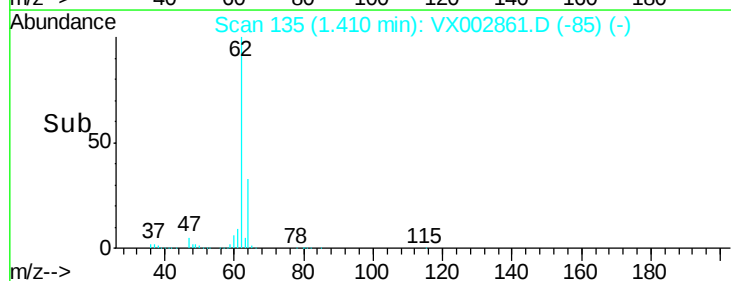
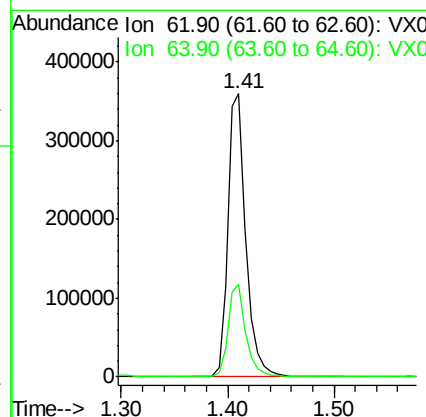
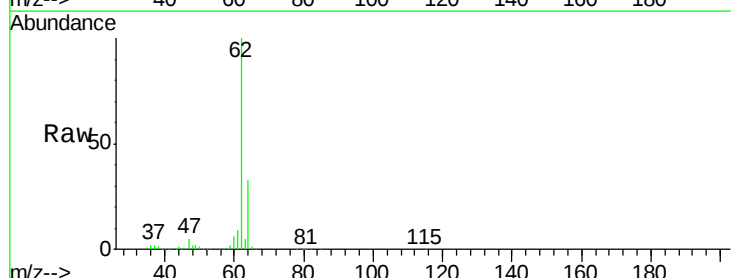
Acq: 25 Jun 2018 13:07

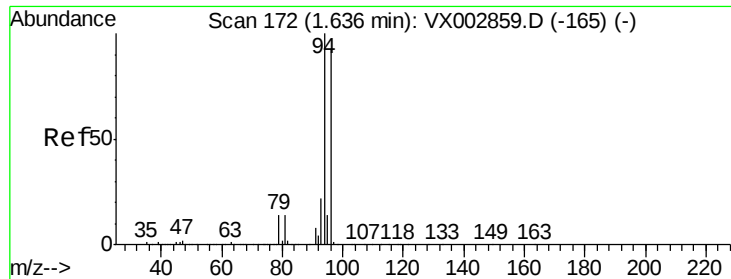
Tgt Ion: 62 Resp: 421303

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 98.66 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 205212

Ion Ratio Lower Upper

94 100

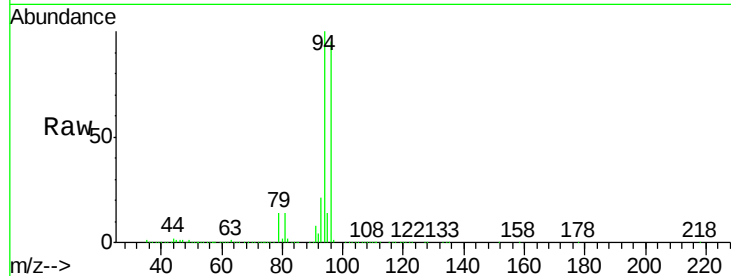
96 94.7 74.9 112.3

Manual Integrations

APPROVED

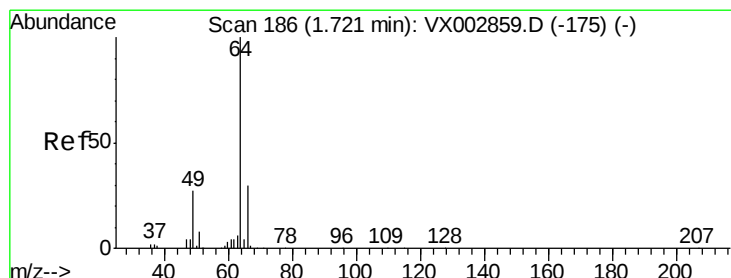
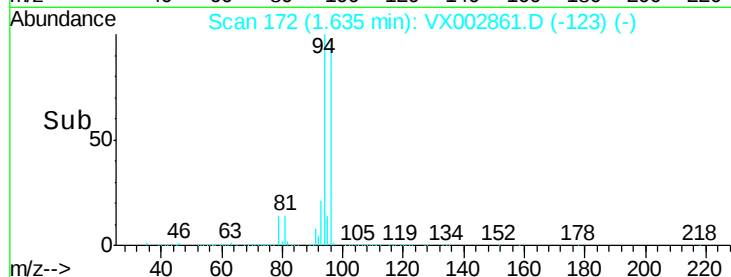
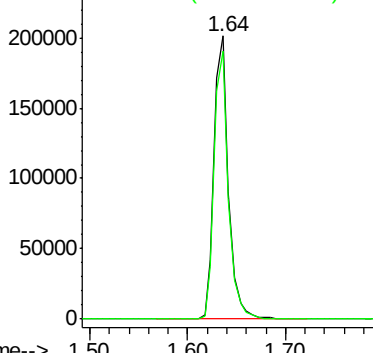
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 108.63 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX002861.D

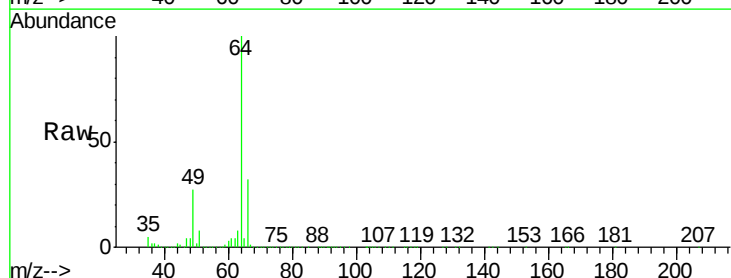
Acq: 25 Jun 2018 13:07

Tgt Ion: 64 Resp: 246832

Ion Ratio Lower Upper

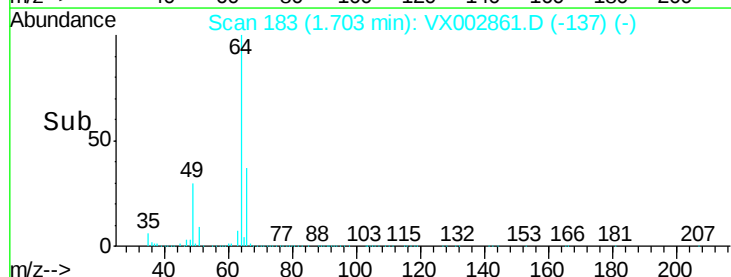
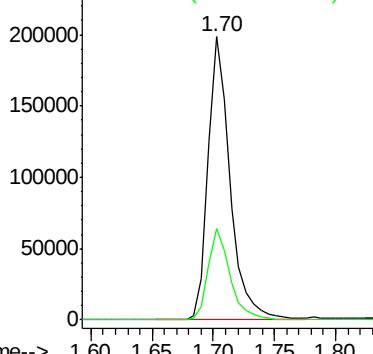
64 100

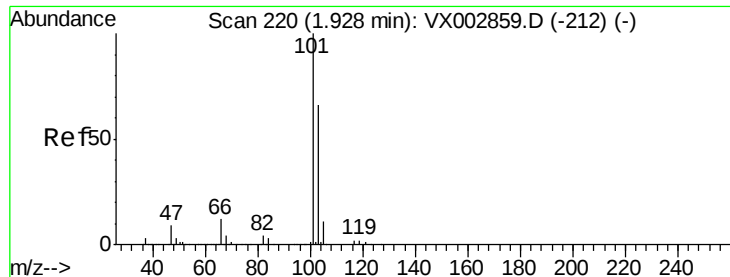
66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

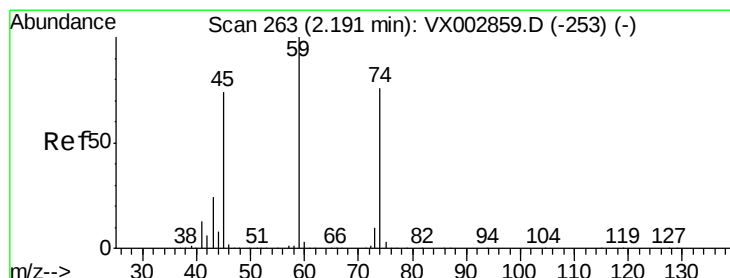
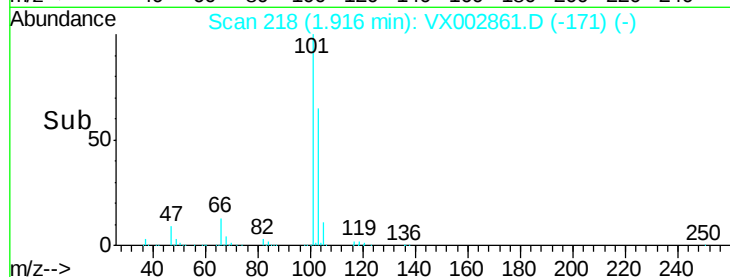
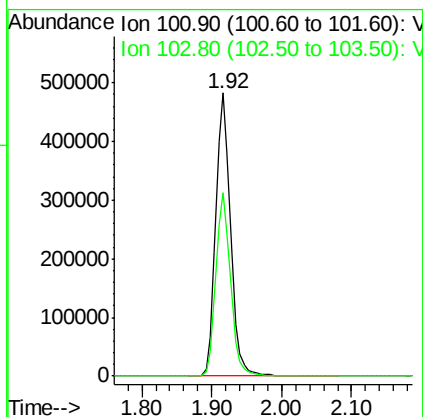
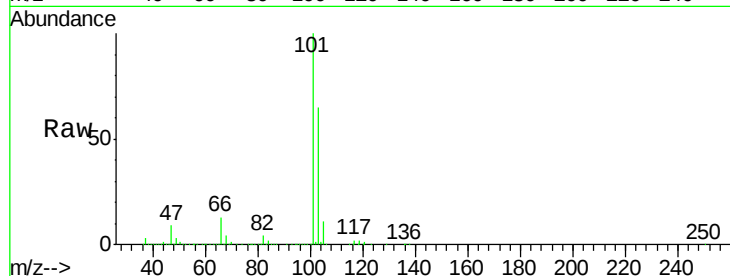
Trichlorofluoromethane
Concen: 127.12 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.8	79.2

Manual Integrations
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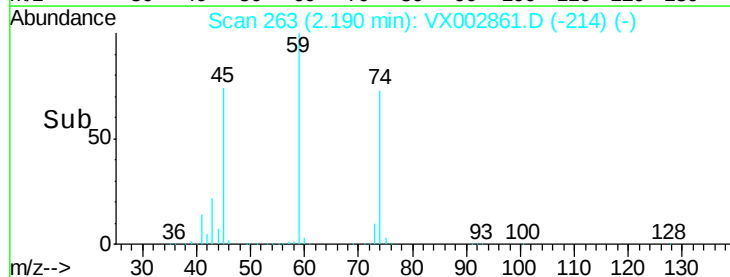
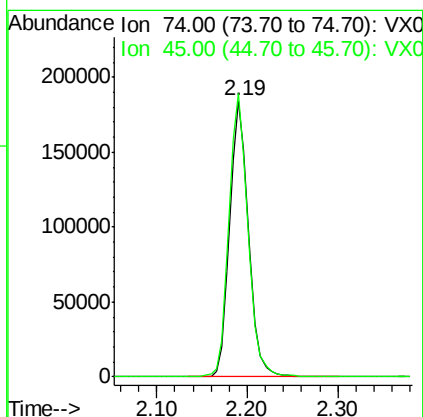
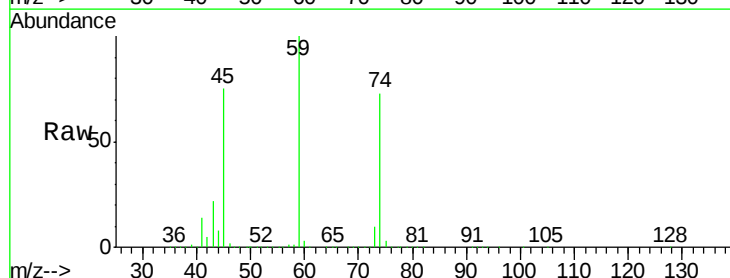
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#8

Diethyl Ether
Concen: 124.36 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.5	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 129.92 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

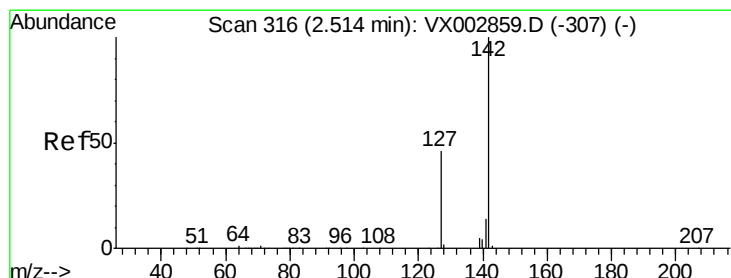
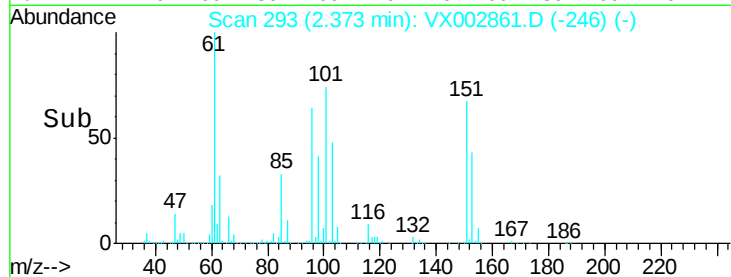
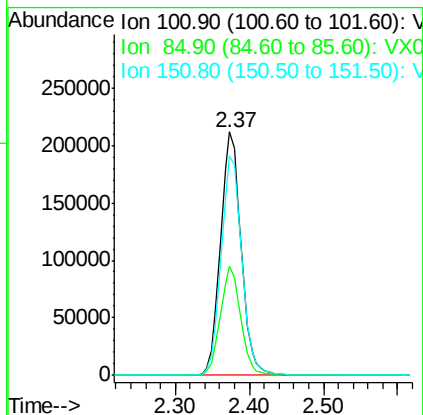
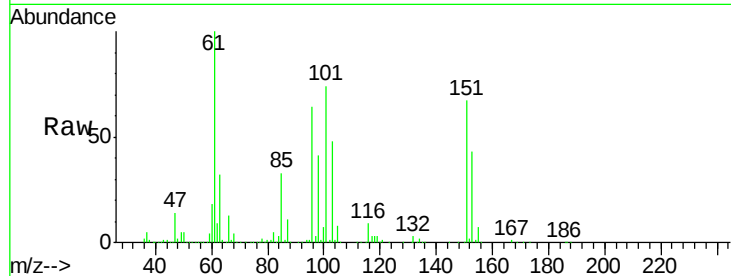
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	406725
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	90.8	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 128.63 ug/l

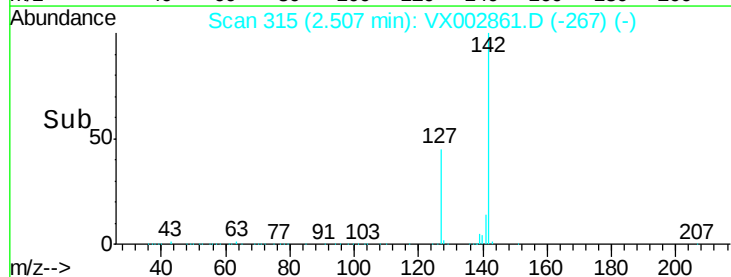
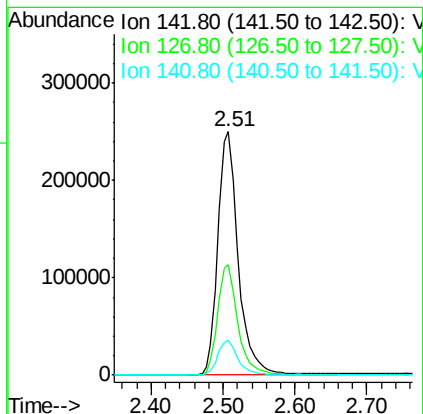
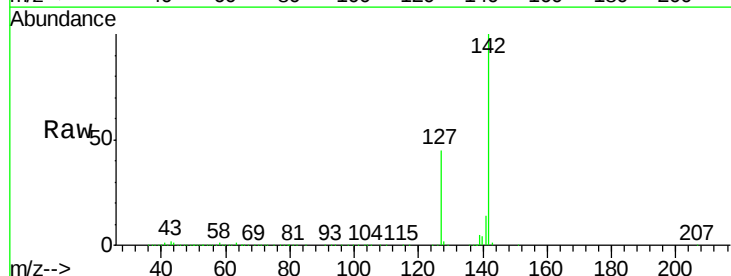
RT: 2.51 min Scan# 315

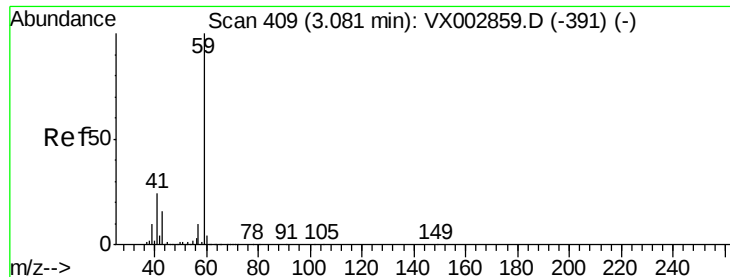
Delta R.T. -0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tgt Ion:	142	Resp:	495889
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.6	55.0
141	14.3	11.3	16.9





#11

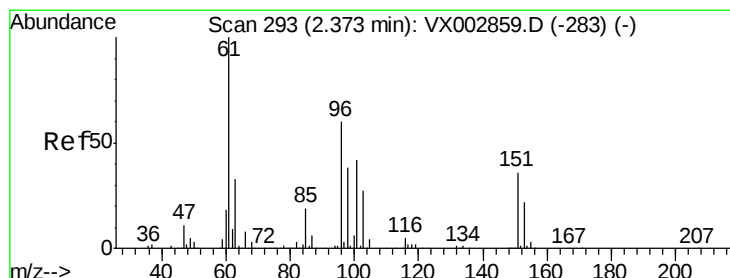
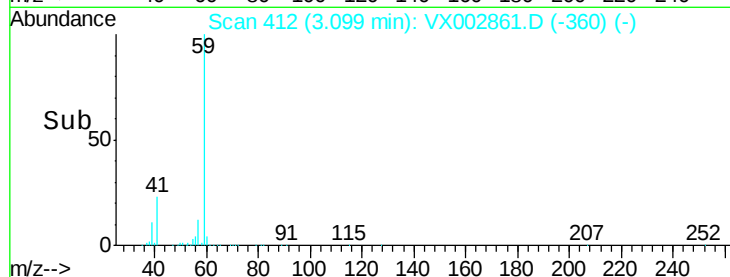
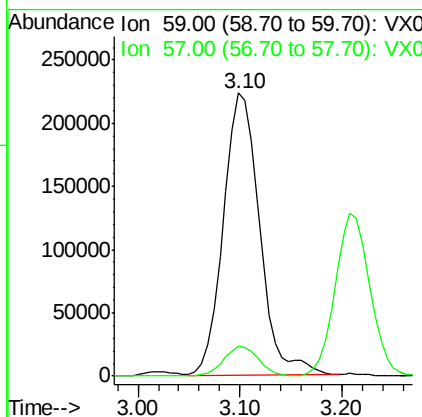
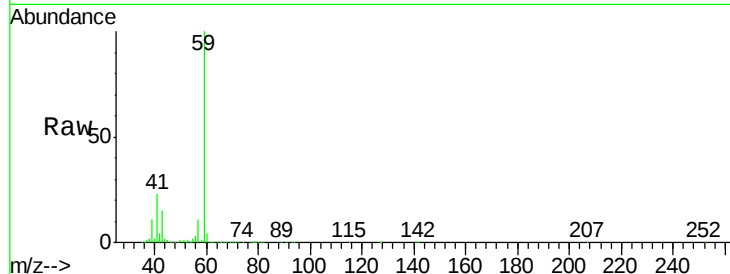
Tert butyl alcohol
 Concen: 663.72 ug/l
 RT: 3.10 min Scan# 412
 Delta R.T. 0.02 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
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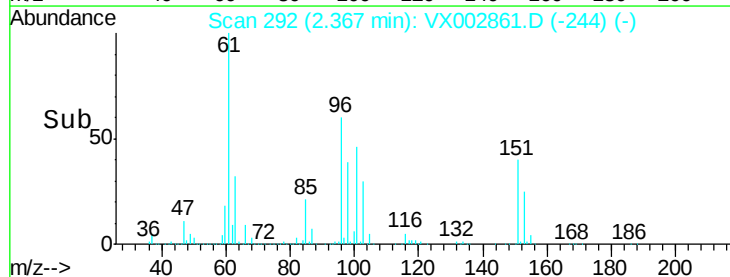
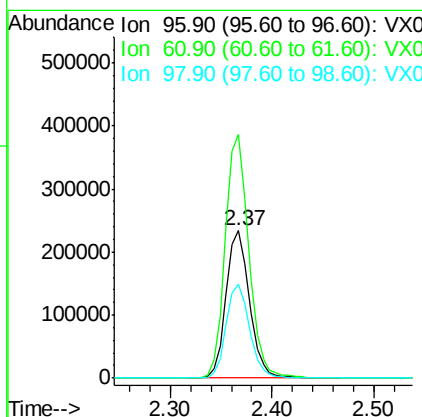
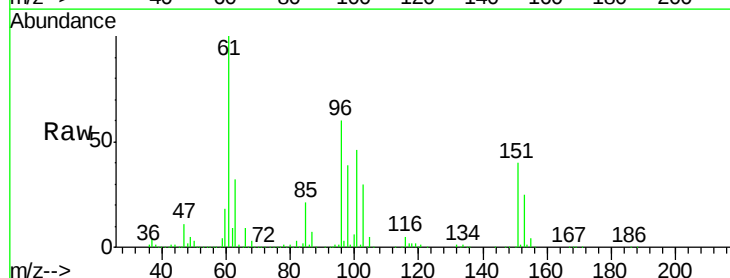
MMDadoda
 6/28/2018 2:26:27 PM



#12

1,1-Dichloroethene
 Concen: 126.97 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.5	137.9	206.9
98	63.8	51.6	77.4





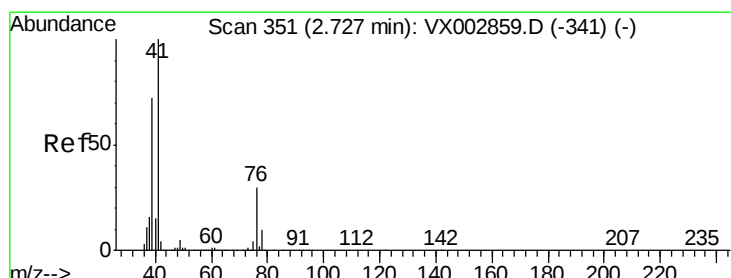
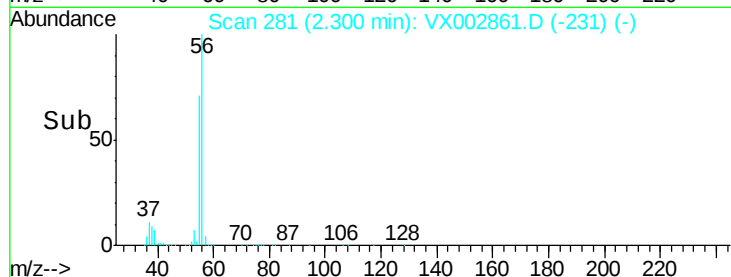
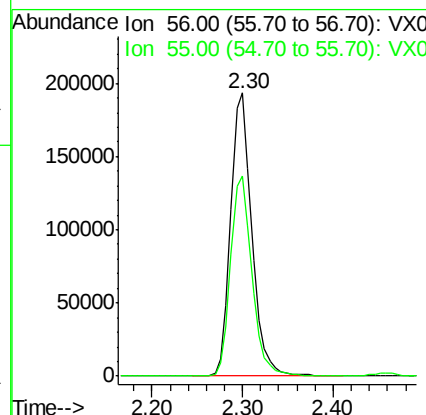
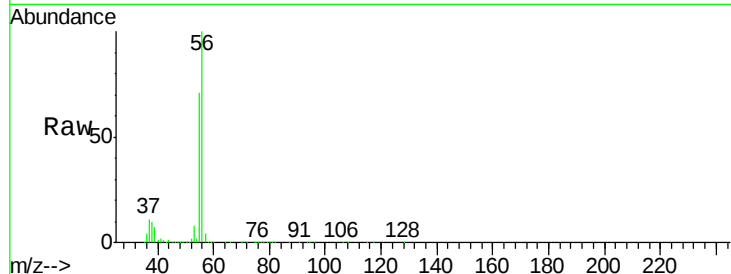
#13
Acrolein
Concen: 747.09 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	313081
Ion Ratio	100	Lower	Upper
55	71.8	57.0	85.4

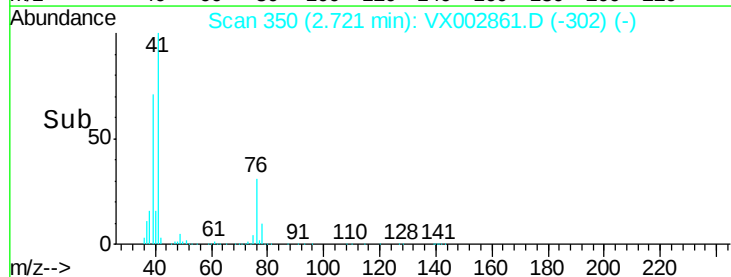
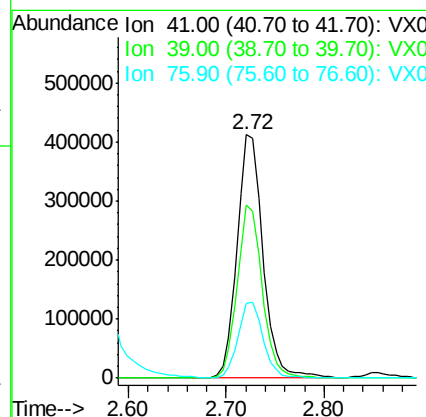
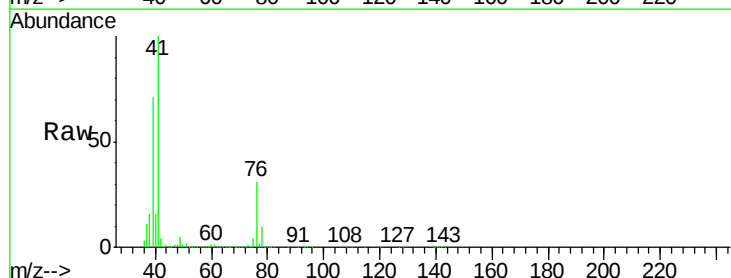
Manual Integrations
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MMDadoda
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#14
Allyl chloride
Concen: 130.33 ug/l
RT: 2.72 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion	41	Resp	760667
Ion Ratio	100	Lower	Upper
39	68.7	56.8	85.2
76	30.4	23.8	35.8





#15

Acrylonitrile

Concen: 661.01 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1192044

Ion Ratio Lower Upper

53 100

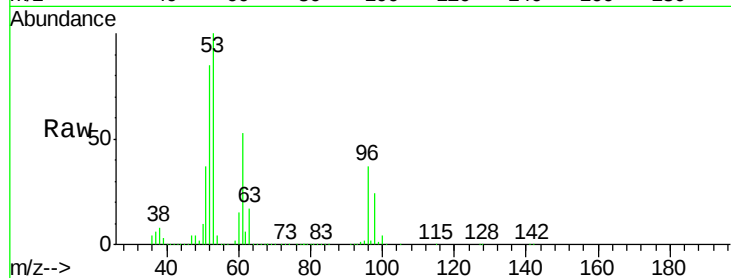
52 83.3 66.7 100.1

51 37.2 29.9 44.9

Manual Integrations
APPROVED

MMDadoda

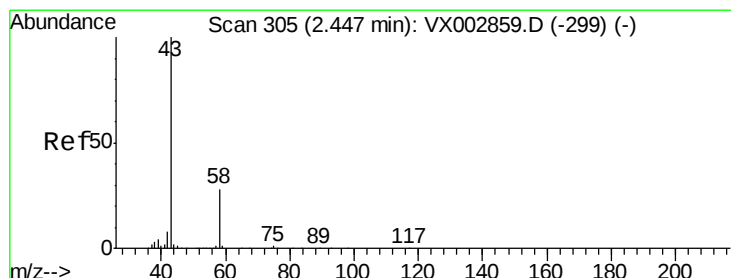
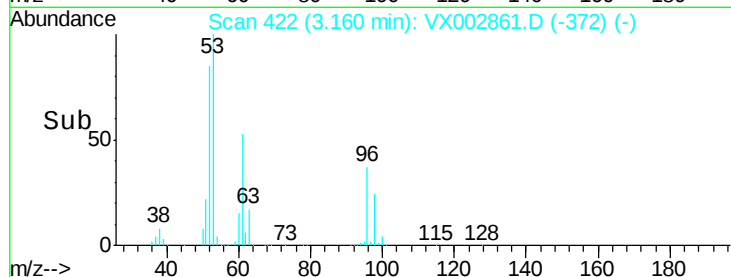
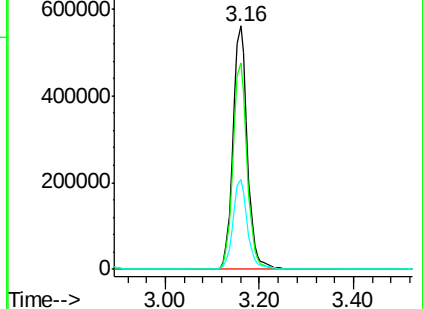
6/28/2018 2:26:27 PM



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 629.43 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX002861.D

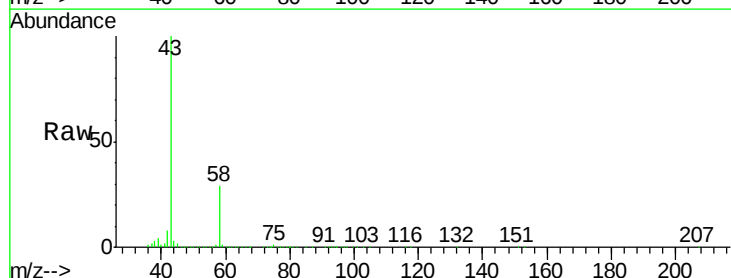
Acq: 25 Jun 2018 13:07

Tgt Ion: 43 Resp: 1110121

Ion Ratio Lower Upper

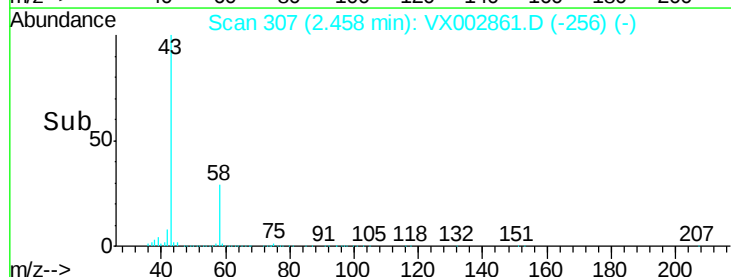
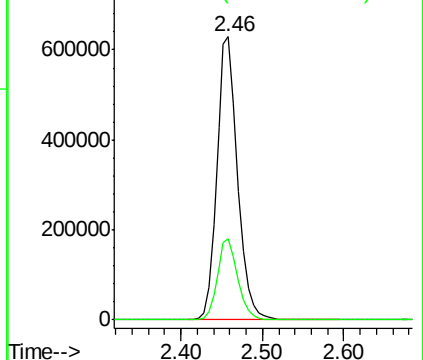
43 100

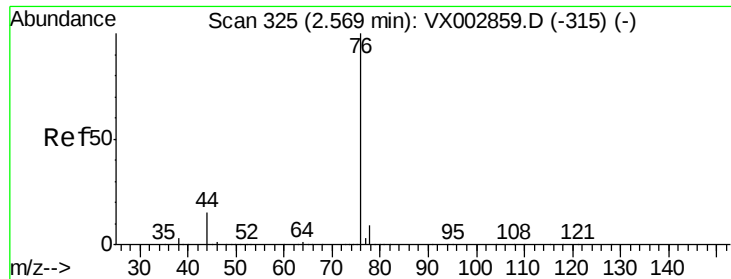
58 28.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





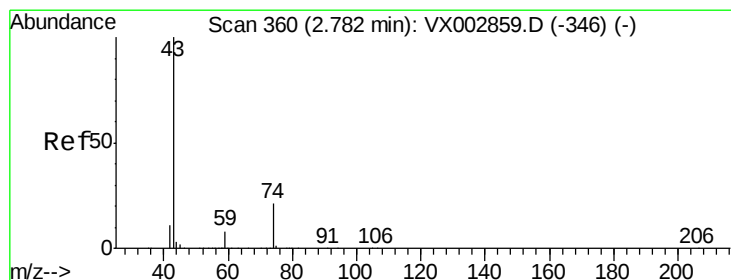
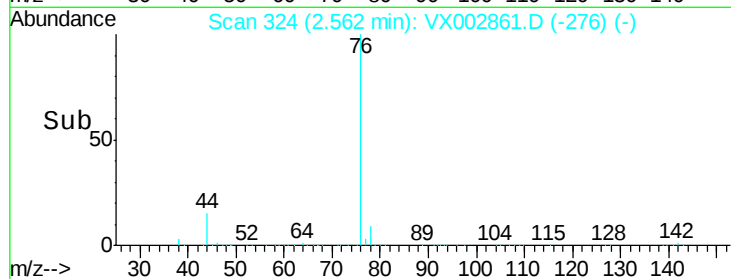
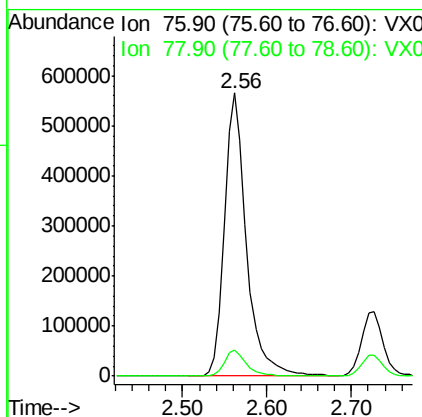
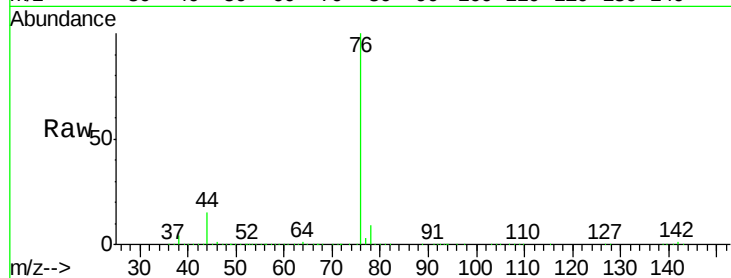
#17
Carbon Disulfide
Concen: 145.32 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1013138
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3

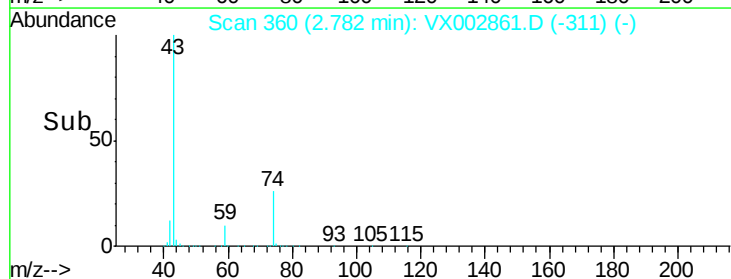
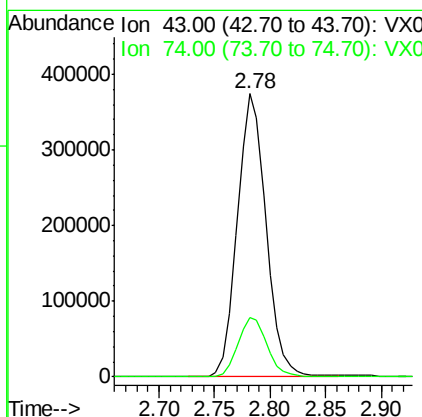
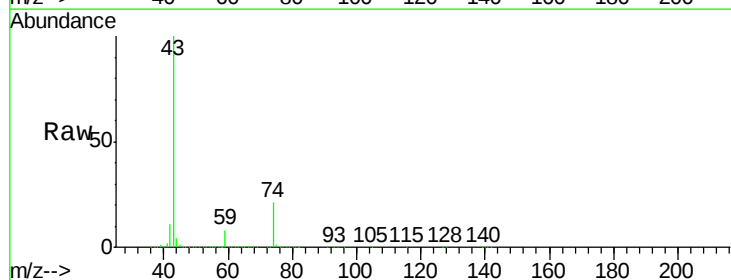
Manual Integrations
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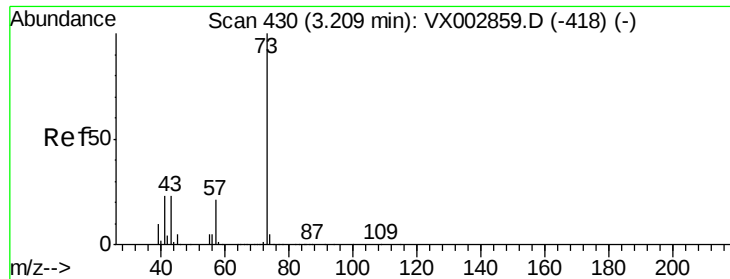
MMDadoda
6/28/2018 2:26:27 PM



#18
Methyl Acetate
Concen: 141.60 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion: 43 Resp: 665324
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1





#19

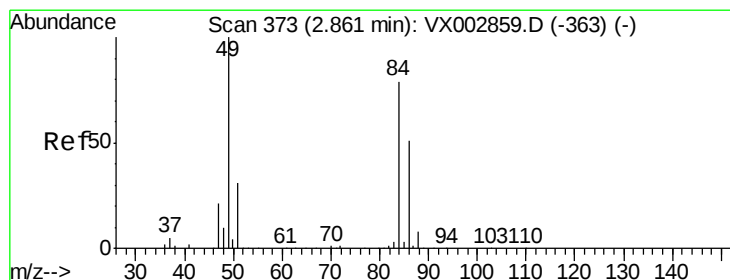
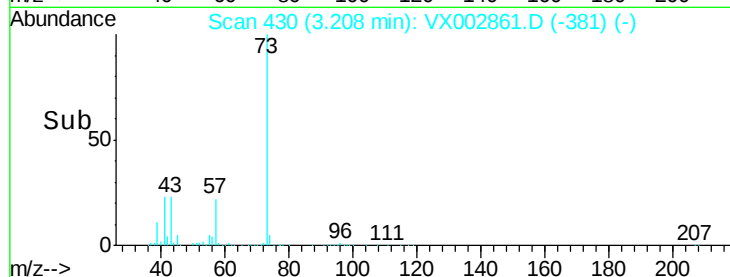
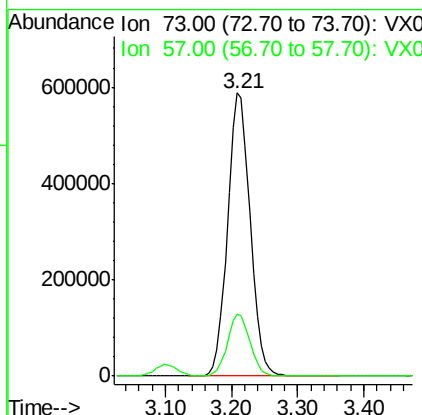
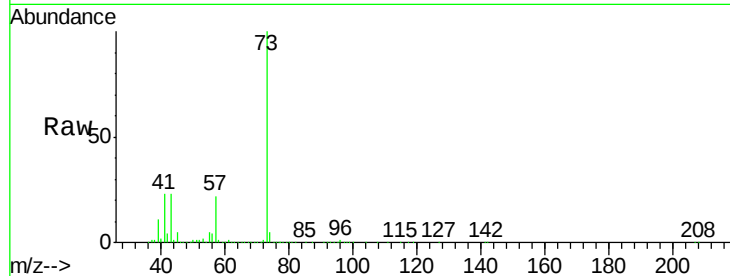
Methyl tert-butyl Ether
 Concen: 126.06 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1390051
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.7 26.5

Manual Integrations
 APPROVED

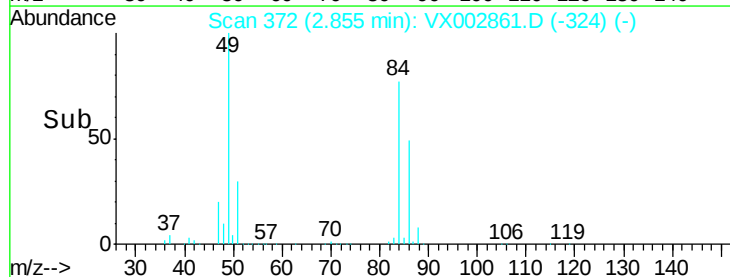
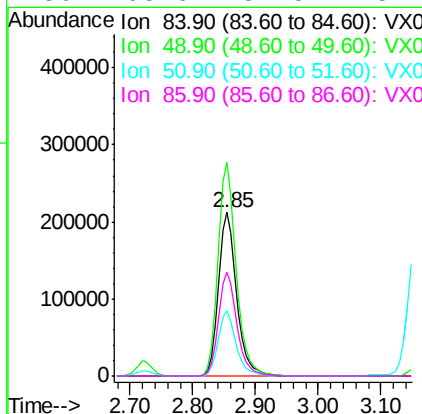
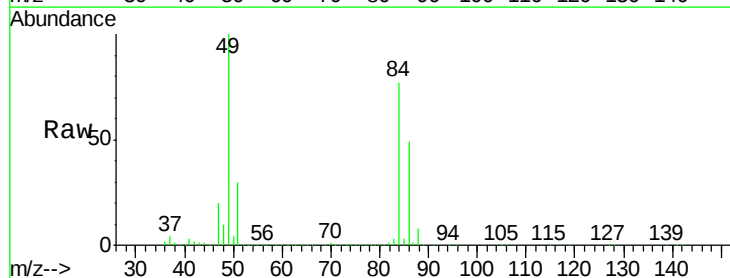
MMDadoda
 6/28/2018 2:26:27 PM

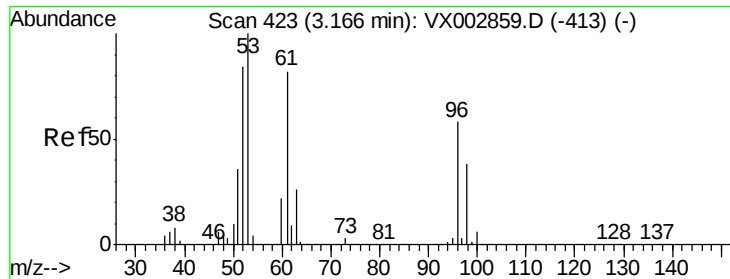


#20

Methylene Chloride
 Concen: 117.27 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Tgt Ion: 84 Resp: 424093
 Ion Ratio Lower Upper
 84 100
 49 130.4 107.8 161.6
 51 39.6 32.8 49.2
 86 63.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 127.31 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

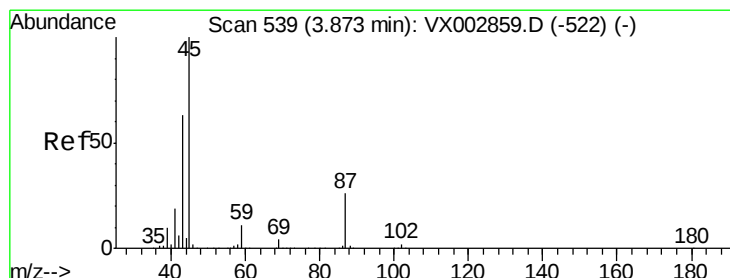
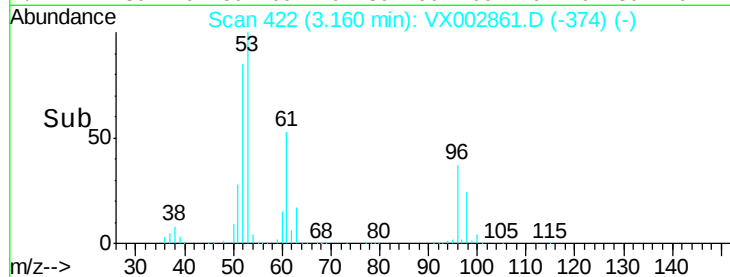
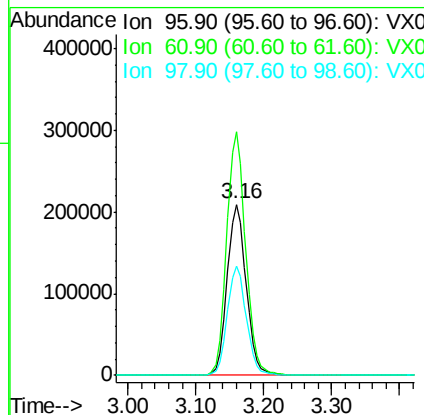
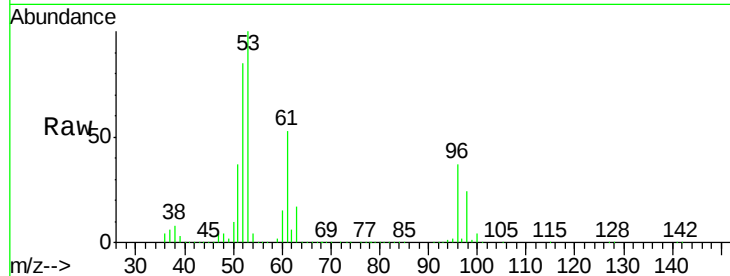
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	405965
Ion	Ratio	Lower	Upper
96	100		
61	142.3	117.0	175.4
98	64.1	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 141.38 ug/l

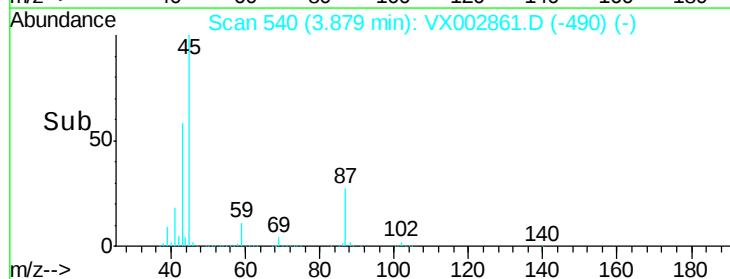
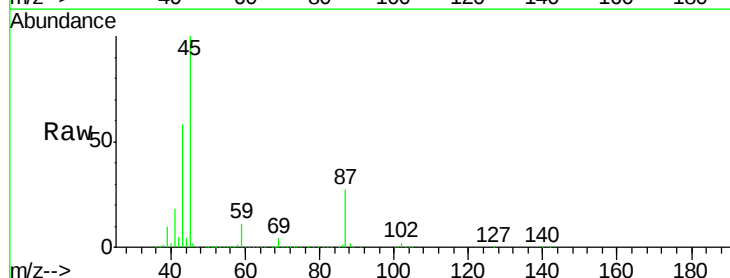
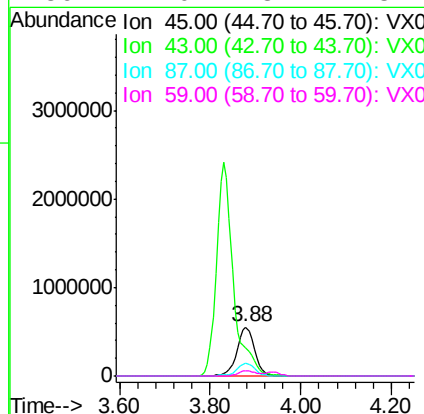
RT: 3.88 min Scan# 540

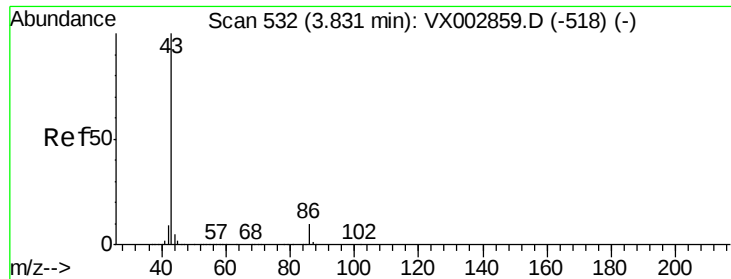
Delta R.T. 0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tgt Ion:	45	Resp:	1492871
Ion	Ratio	Lower	Upper
45	100		
43	57.8	46.8	70.2
87	26.7	20.2	30.4
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 711.89 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tot Ion: 43 Resp: 6291475

Ion Ratio Lower Upper

43 100

86 9.6 7.4 11.0

Instrument :

MSVOA_X

ClientSampleId :

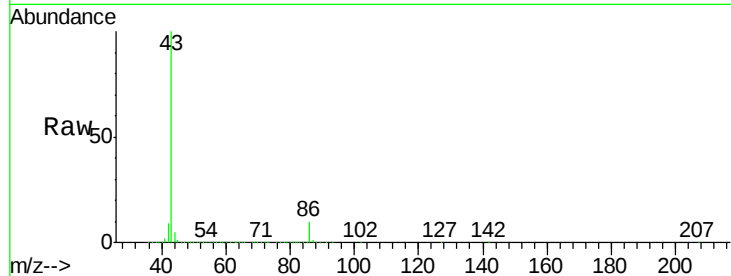
VSTDIC150

Manual Integrations

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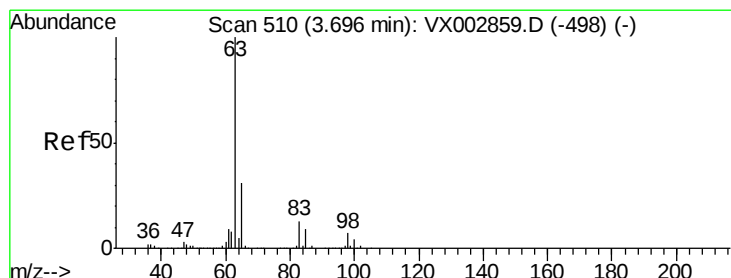
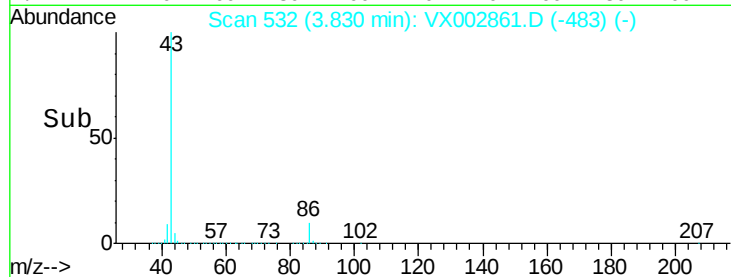
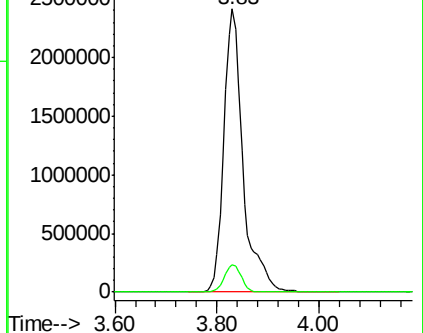
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 134.01 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

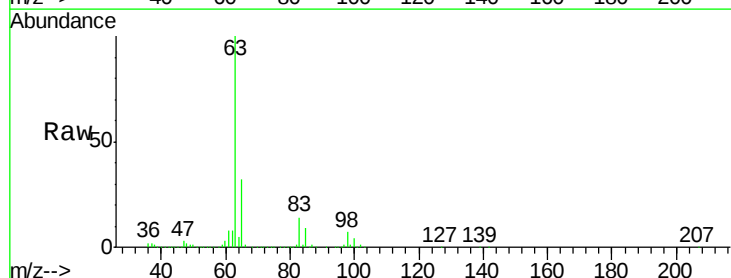
Tgt Ion: 63 Resp: 768025

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

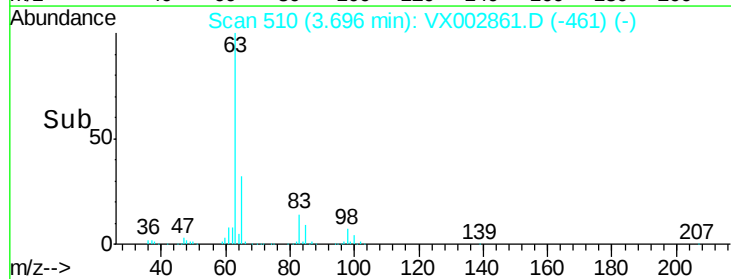
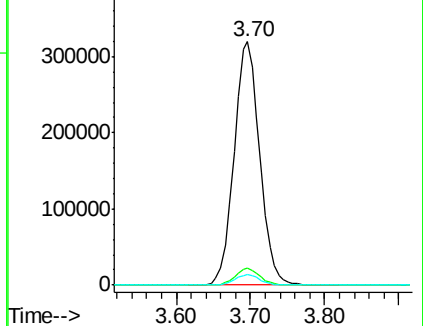
100 4.4 2.0 6.0

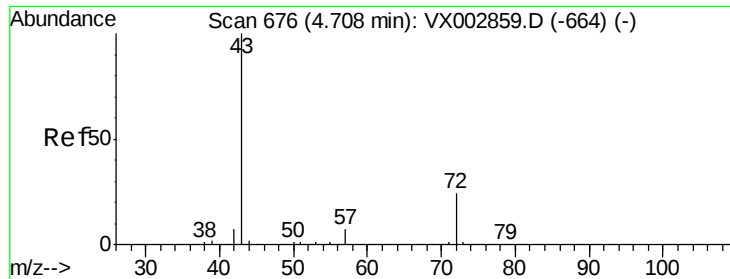


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 742.48 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1719735

Ion Ratio Lower Upper

43 100

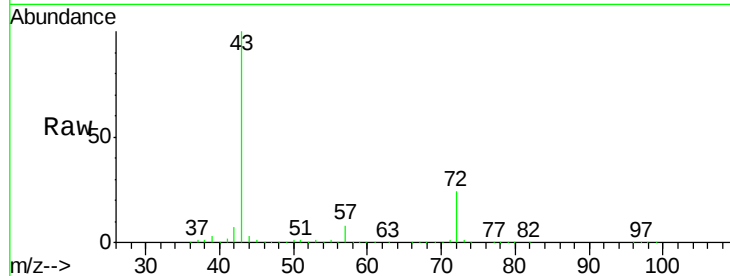
72 23.8 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

600000

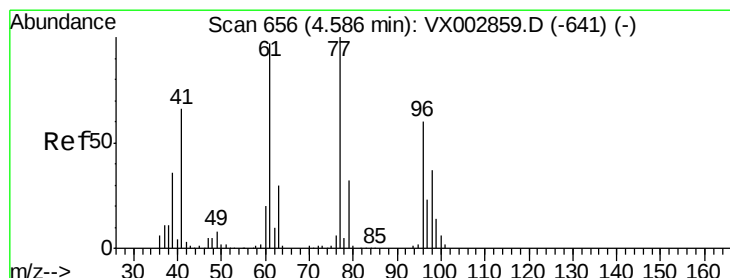
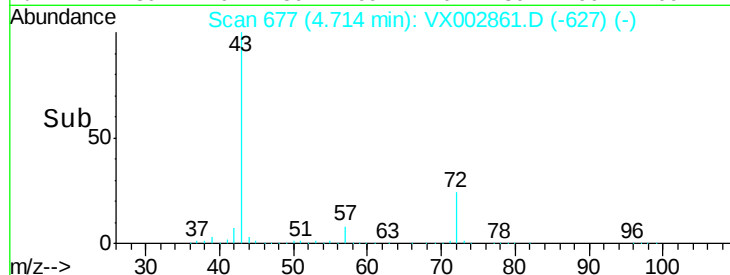
400000

200000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 158.72 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002861.D

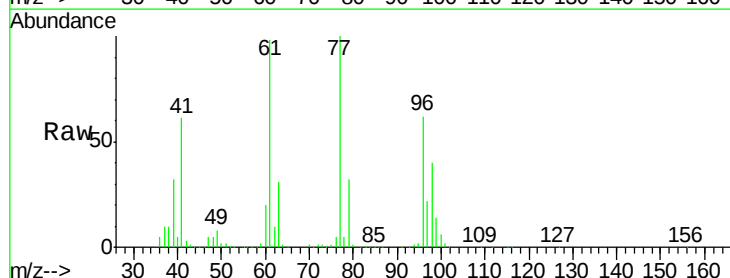
Acq: 25 Jun 2018 13:07

Tgt Ion: 77 Resp: 653588

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

250000

200000

150000

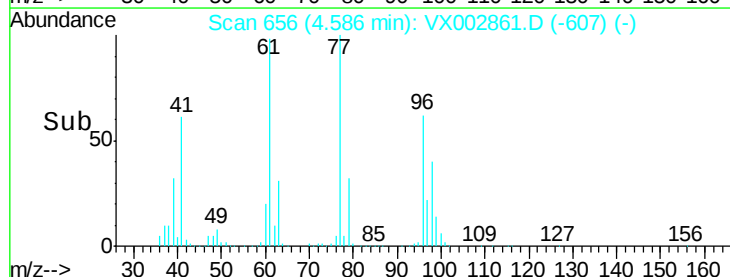
100000

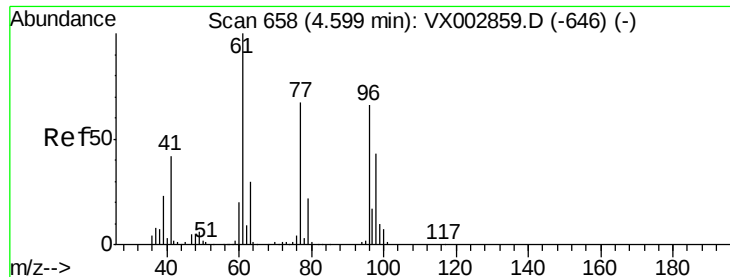
50000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

cis-1,2-Dichloroethene

Concen: 144.21 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 467899

Ion Ratio Lower Upper

96 100

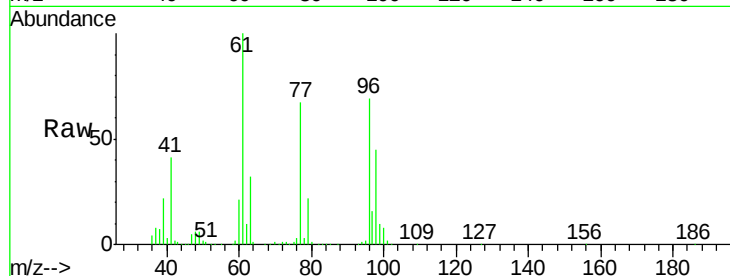
61 156.6 0.0 330.2

98 65.5 0.0 130.2

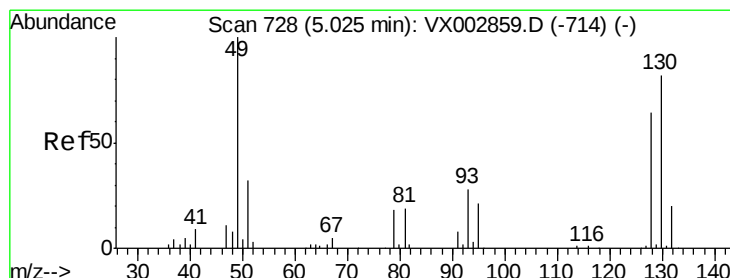
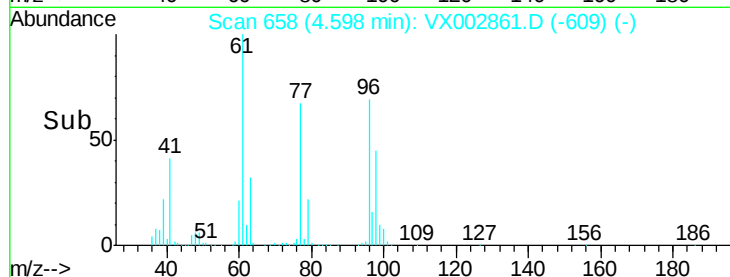
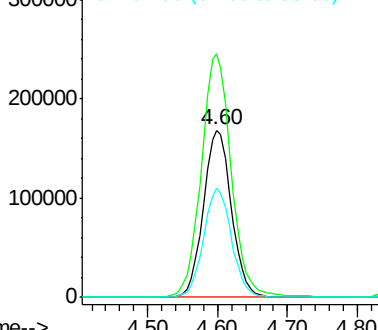
Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 123.32 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

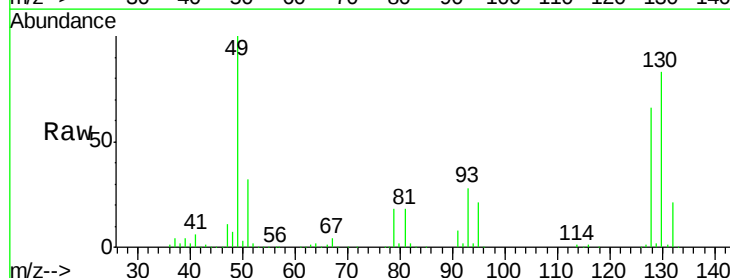
Tgt Ion: 49 Resp: 330974

Ion Ratio Lower Upper

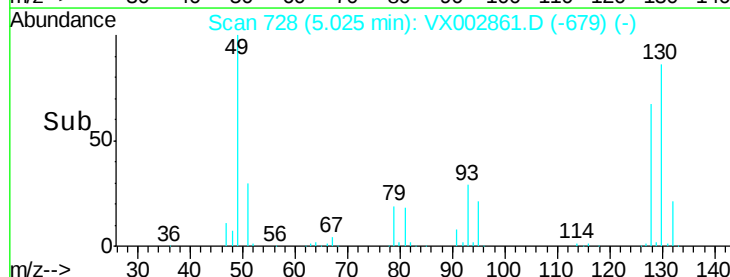
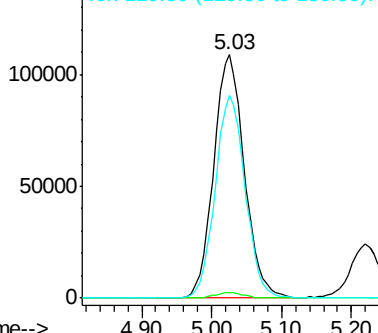
49 100

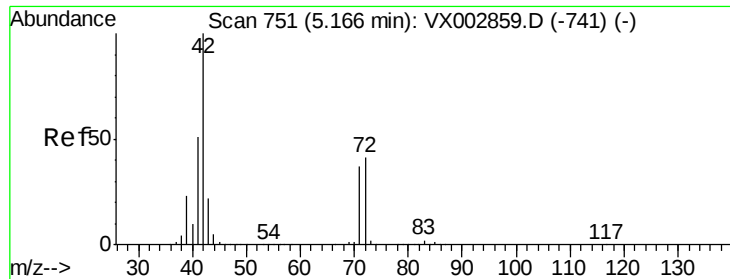
129 2.2 0.0 4.2

130 81.6 61.2 91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





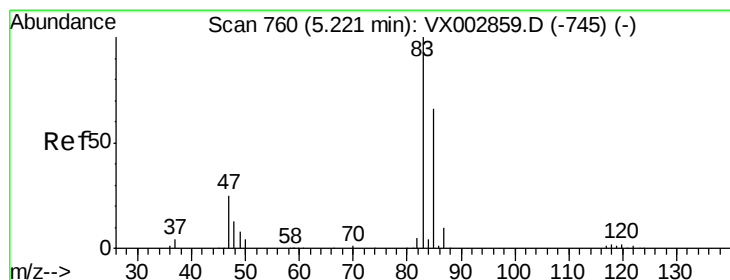
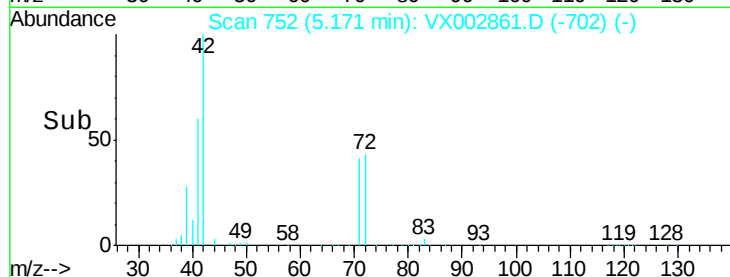
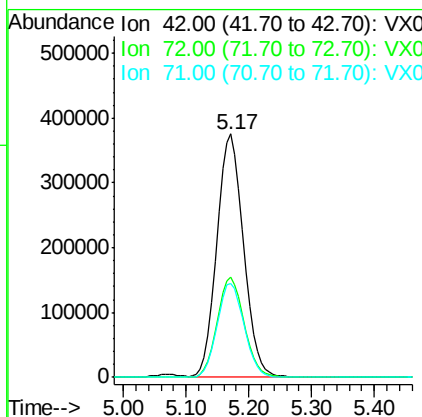
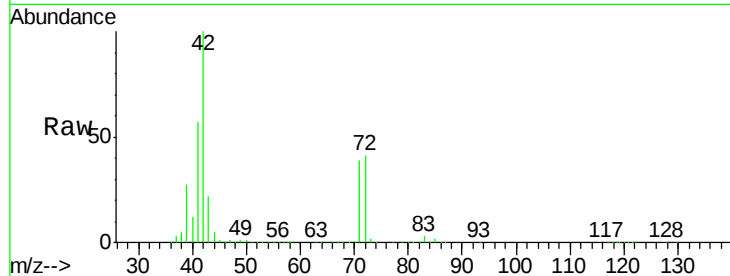
#29
Tetrahydrofuran
Concen: 726.51 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.0	48.0
71	39.1	30.1	45.1

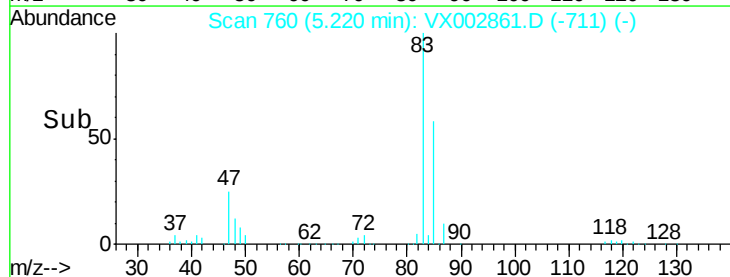
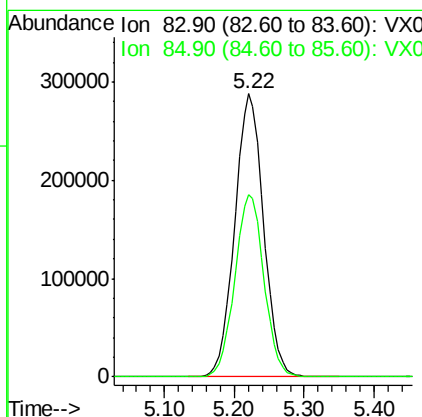
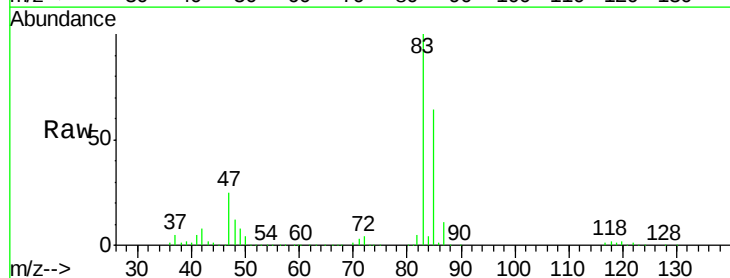
Manual Integrations
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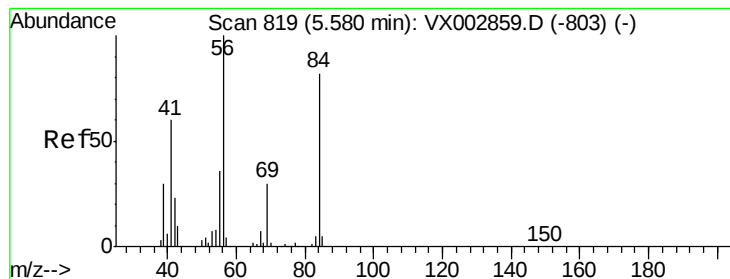
MMDadoda
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#30
Chloroform
Concen: 148.68 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6





#31

Cyclohexane

Concen: 144.45 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

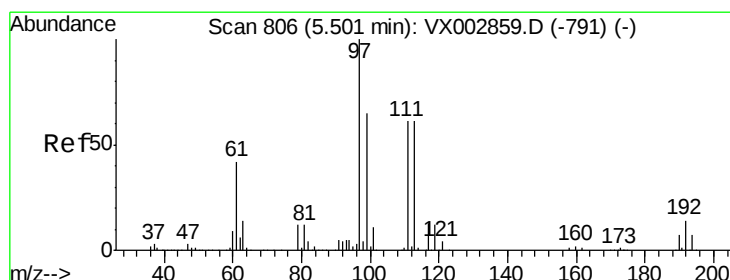
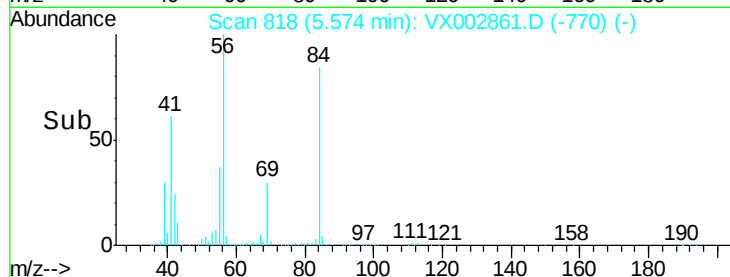
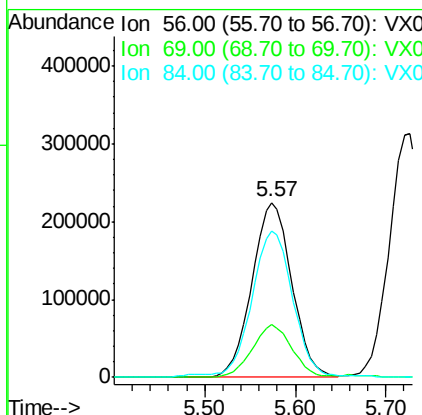
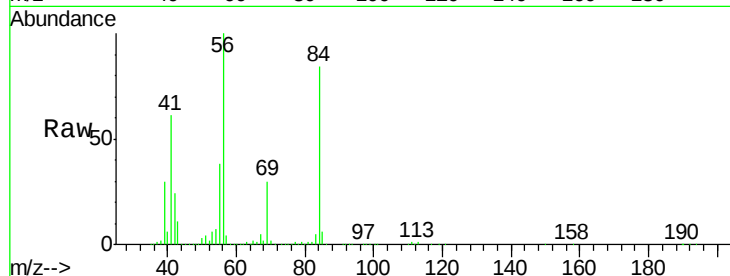
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	681582
Ion Ratio	Lower	Upper	
56	100		
69	30.0	23.7	35.5
84	82.9	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 161.90 ug/l

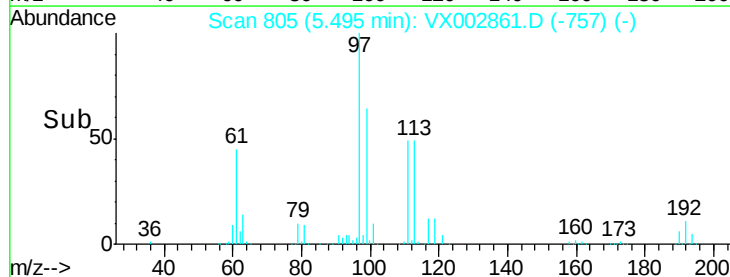
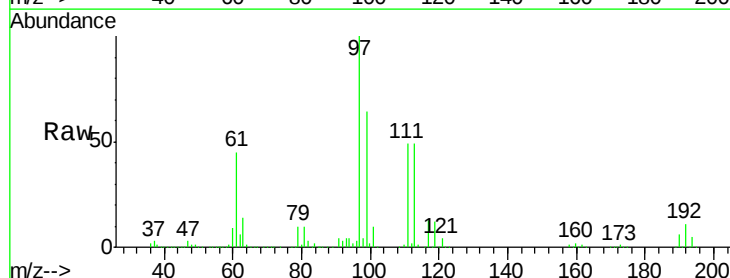
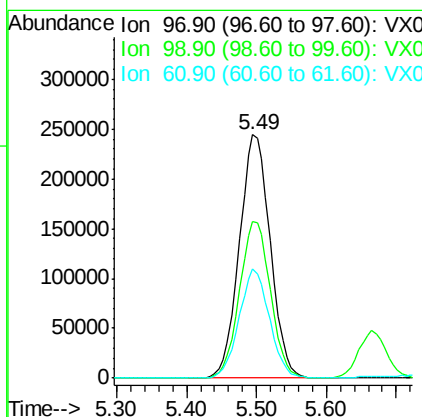
RT: 5.49 min Scan# 805

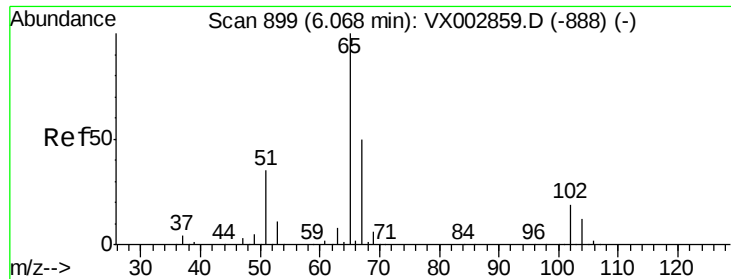
Delta R.T. -0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tgt Ion:	97	Resp:	748323
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.6	77.4
61	43.9	36.4	54.6





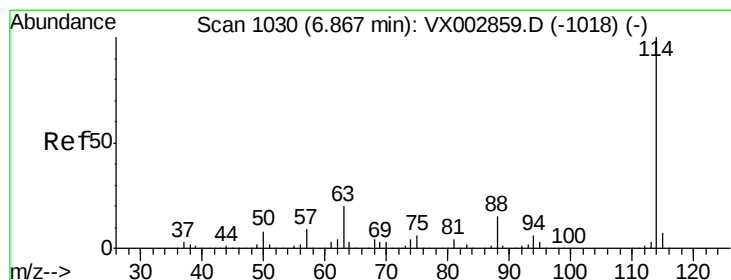
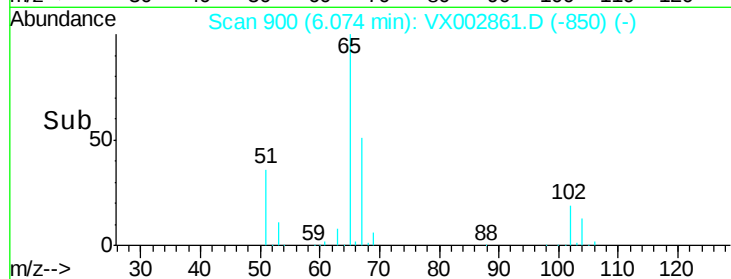
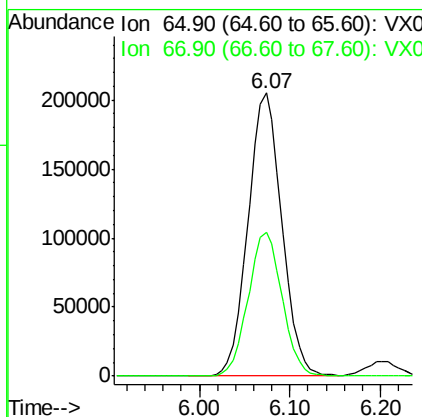
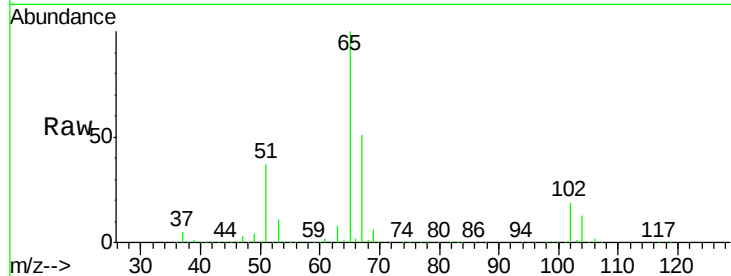
#33
 1,2-Dichloroethane-d4
 Concen: 132.34 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	529033		
67	51.2	0.0	102.6	

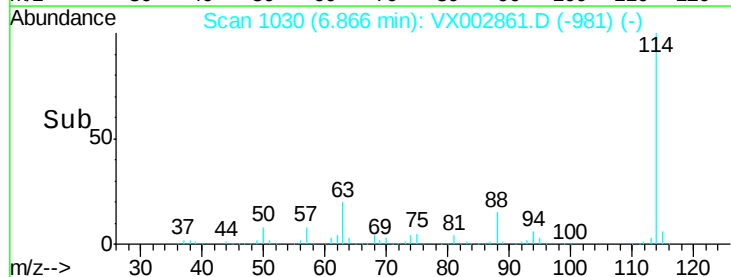
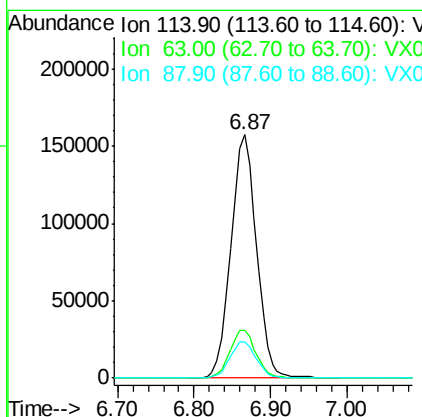
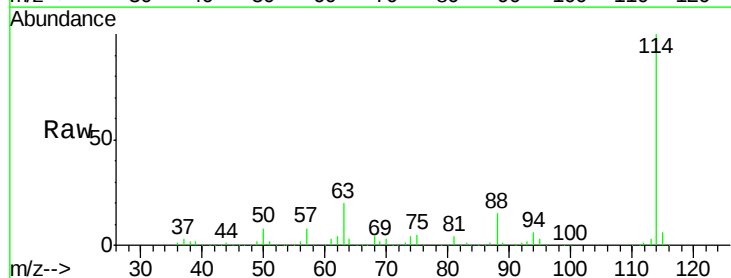
Manual Integrations
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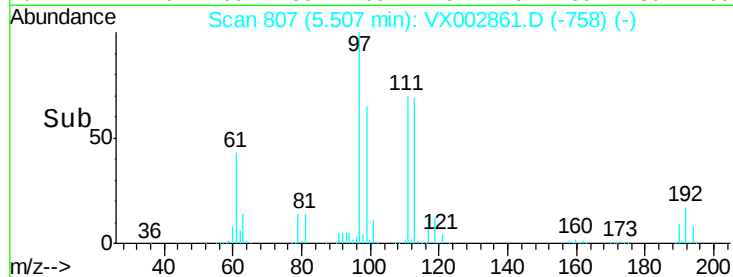
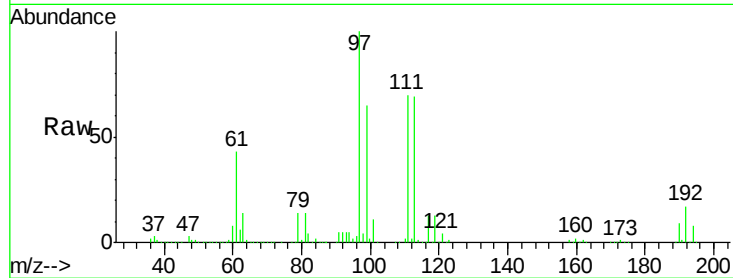
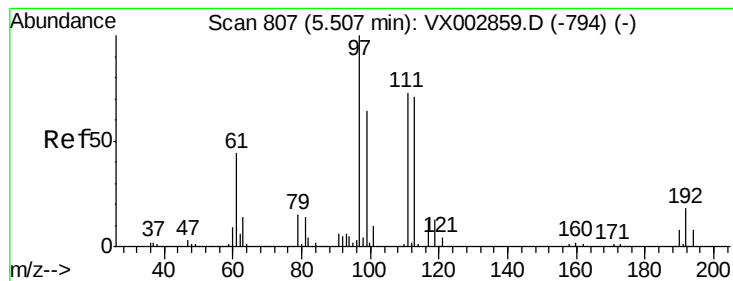
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	365443		
63	19.6	0.0	41.4	
88	15.1	0.0	30.0	





#35

Dibromofluoromethane

Concen: 146.79 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002861.D

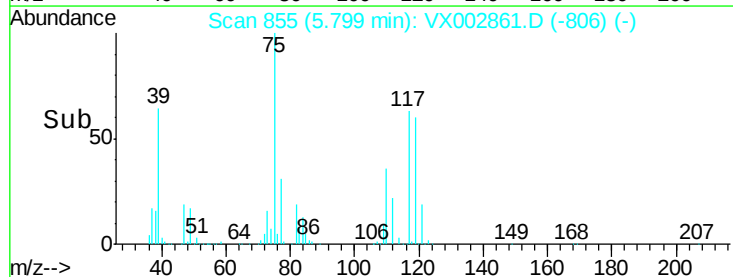
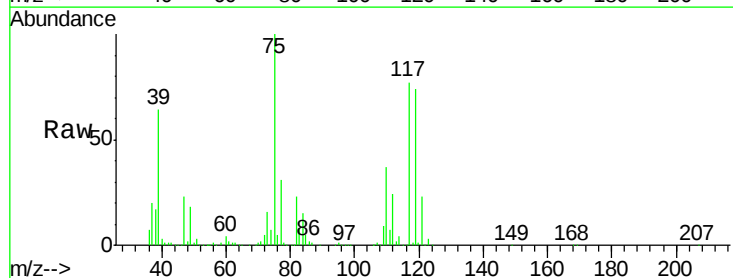
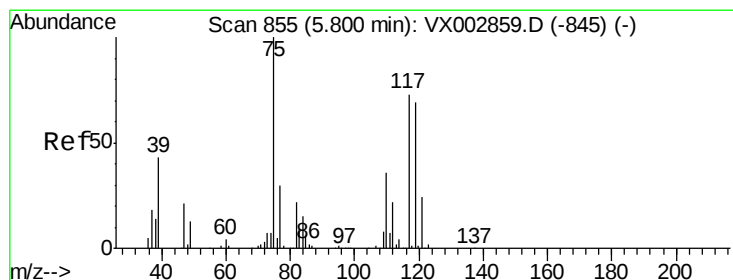
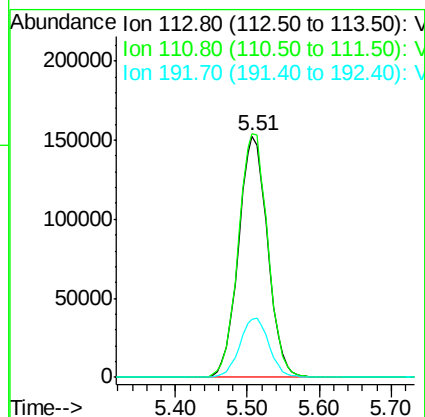
Acq: 25 Jun 2018 13:07

Tot Ion:	113	Resp:	428129
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.4	122.0
192	24.6	19.1	28.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
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6/28/2018 2:26:27 PM



#36

1,1-Dichloropropene

Concen: 154.96 ug/l

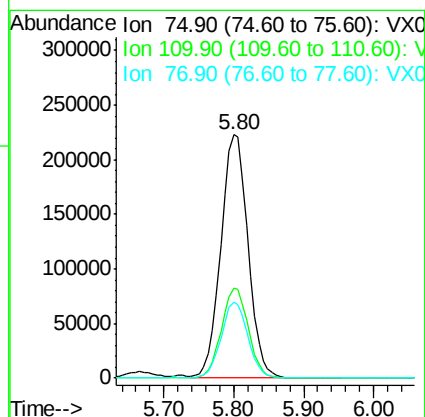
RT: 5.80 min Scan# 855

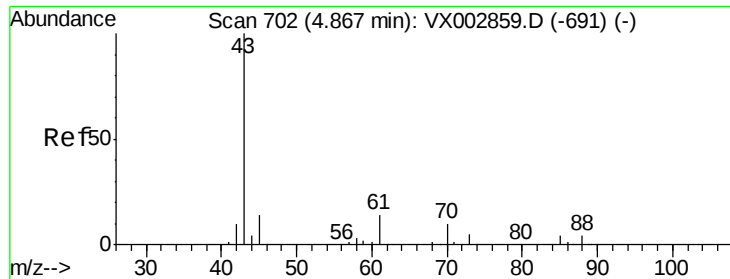
Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tgt Ion:	75	Resp:	601439
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.1	54.4
77	30.6	24.3	36.5





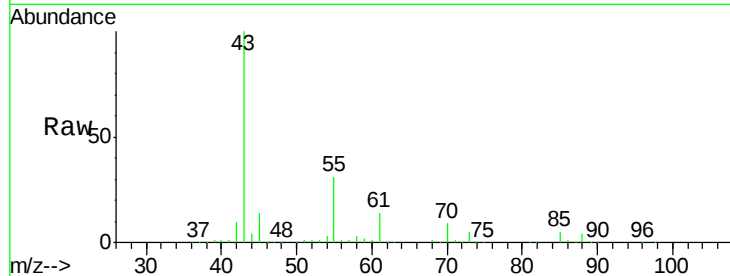
#37
Ethyl Acetate
Concen: 153.02 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	9.6	7.6	11.4

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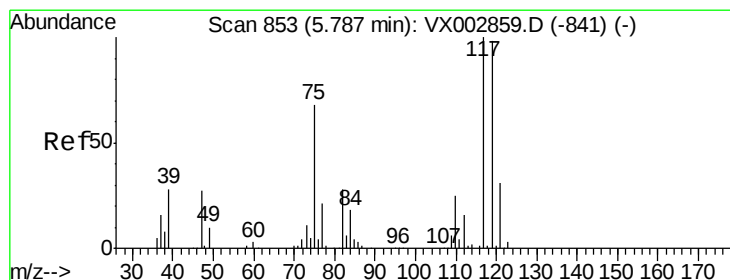
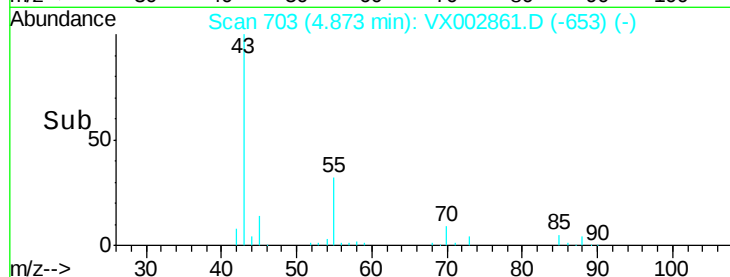
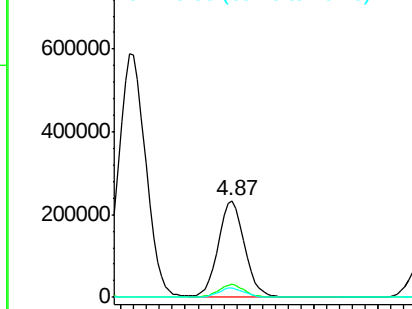


Abundance

Ion 43.00 (42.70 to 43.70): VX002859.D (-691) (-)

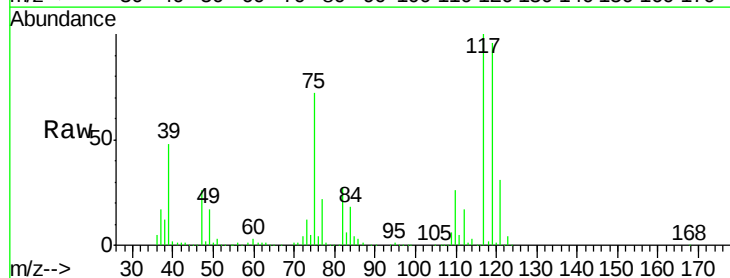
Ion 60.90 (60.60 to 61.60): VX002859.D (-691) (-)

Ion 70.00 (69.70 to 70.70): VX002859.D (-691) (-)



#38
Carbon Tetrachloride
Concen: 177.16 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	31.4	24.4	36.6

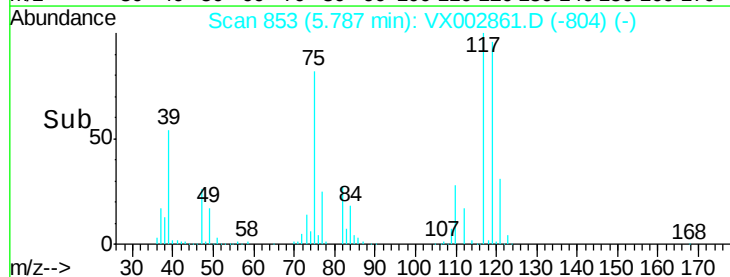
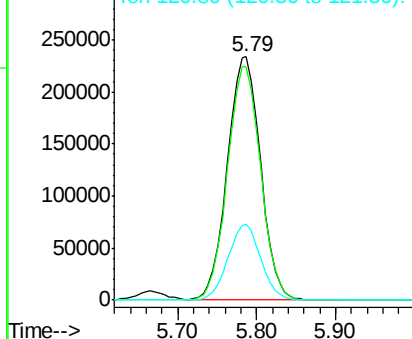


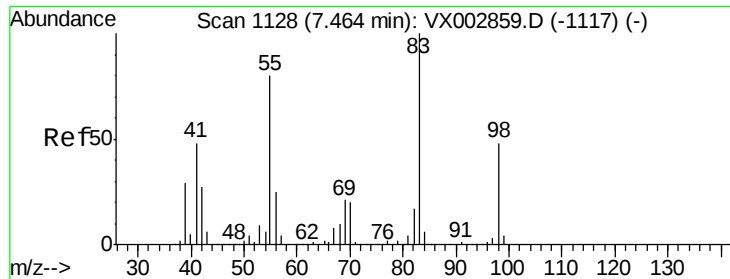
Abundance

Ion 116.80 (116.50 to 117.50): VX002859.D (-841) (-)

Ion 118.80 (118.50 to 119.50): VX002859.D (-841) (-)

Ion 120.80 (120.50 to 121.50): VX002859.D (-841) (-)





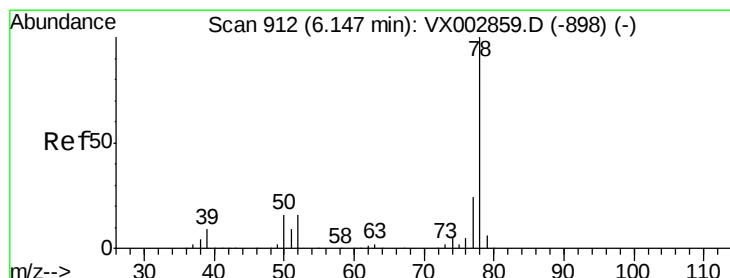
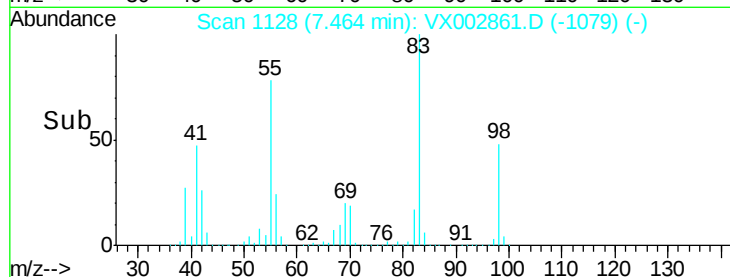
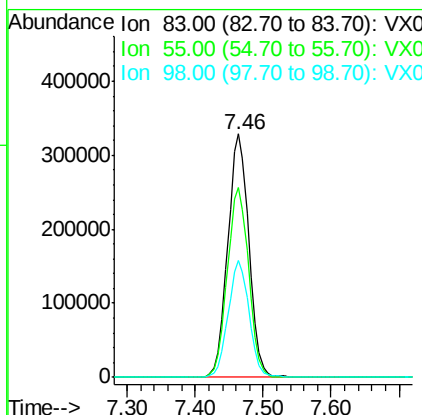
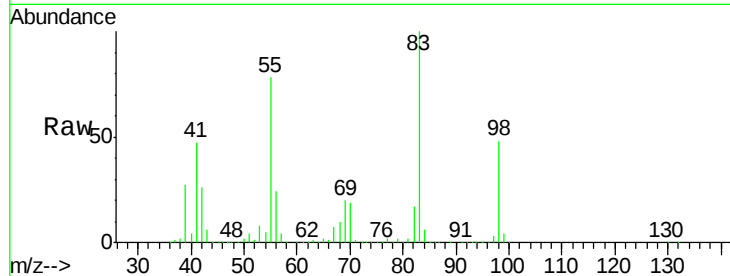
#39
Methvlcvclohexane
Concen: 155.63 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	65.4	98.0
98	47.9	37.4	56.0

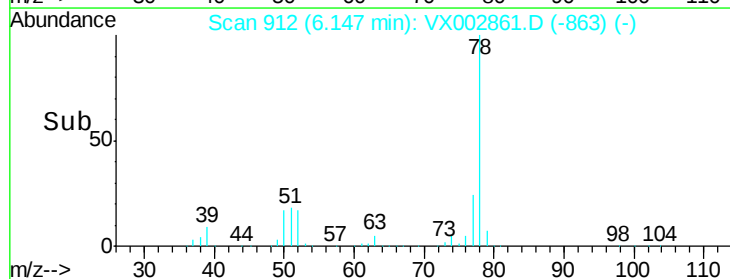
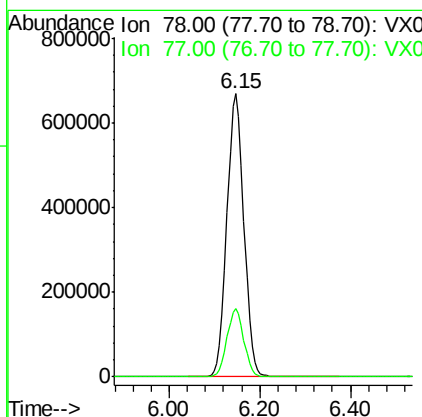
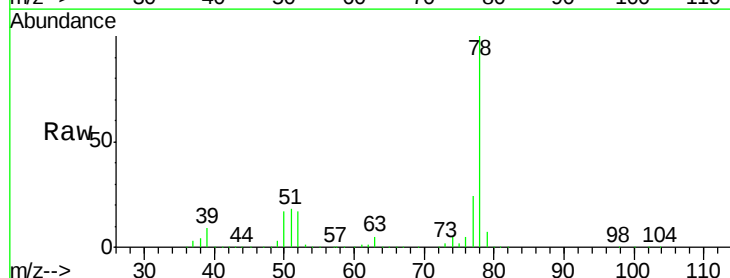
Manual Integrations
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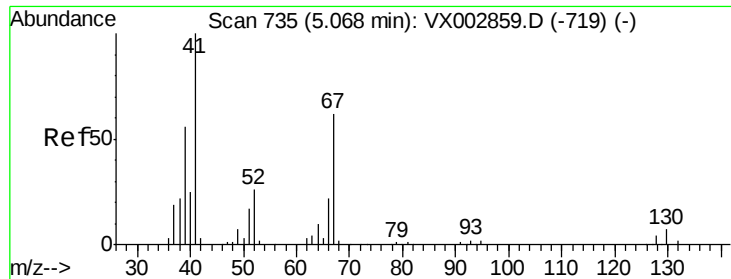
MMDadoda
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#40
Benzene
Concen: 149.62 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





#41

Methacrylonitrile

Concen: 156.54 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

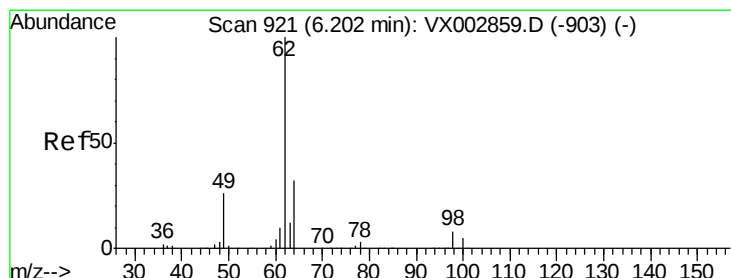
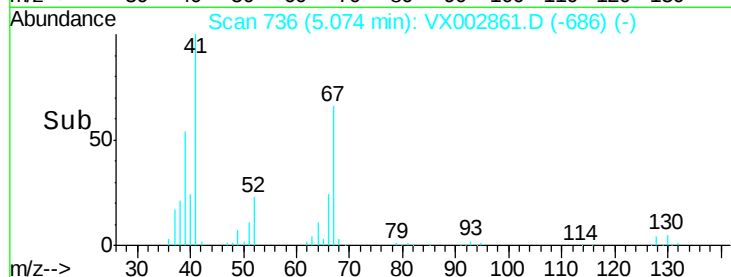
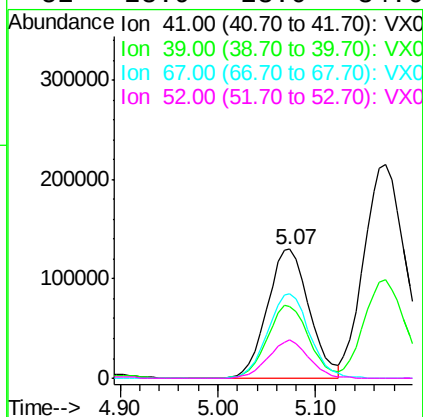
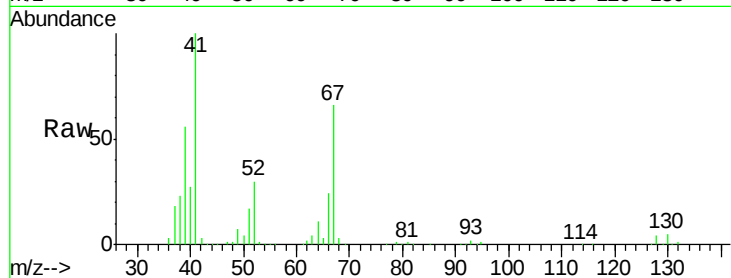
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	45.8	68.6	
67	65.6	51.3	76.9	
52	28.9	23.0	34.6	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 151.68 ug/l

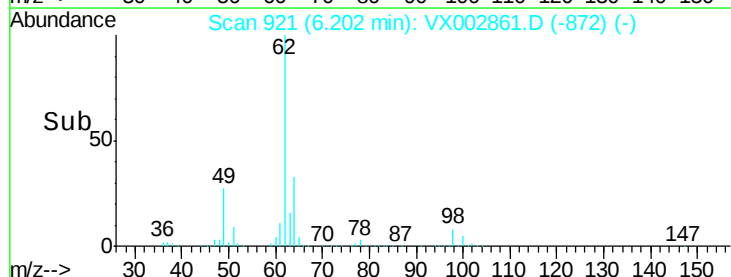
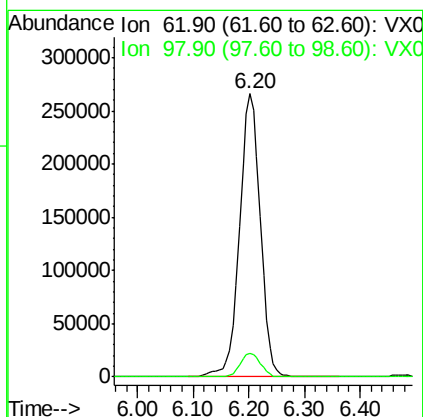
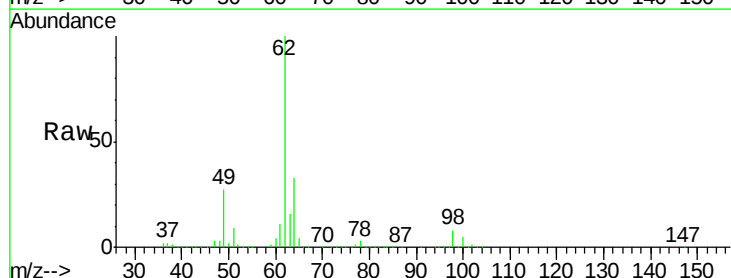
RT: 6.20 min Scan# 921

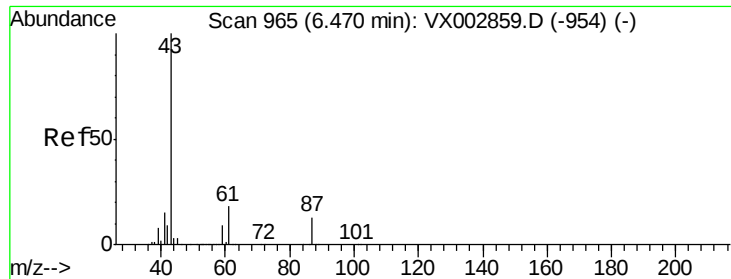
Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





#43

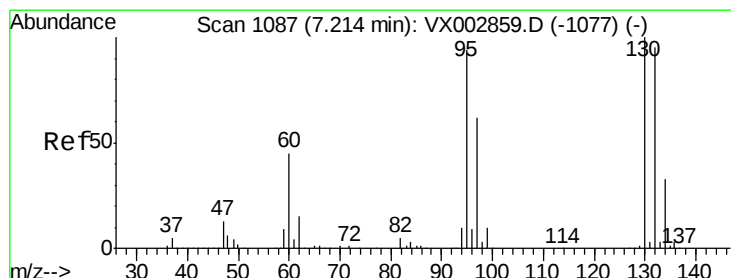
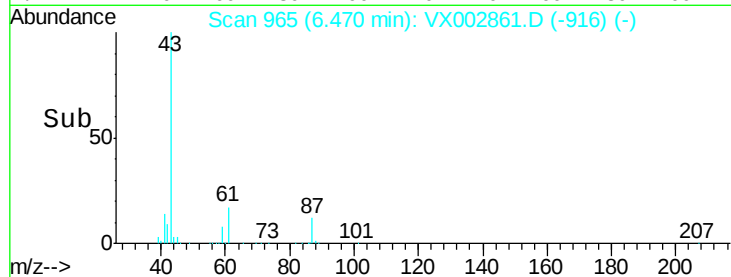
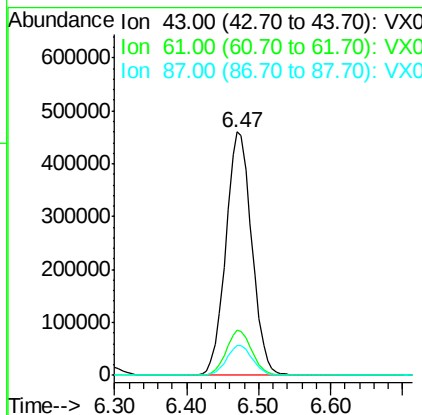
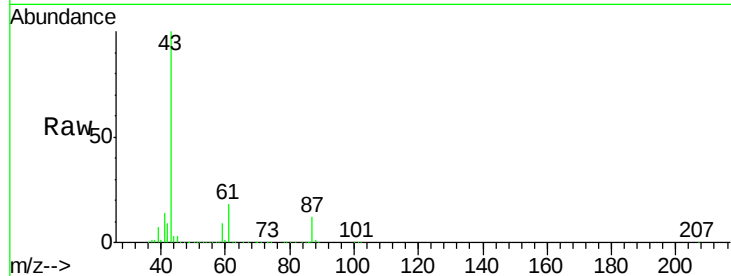
Isopropyl Acetate
 Concen: 157.67 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	43	Resp	1147543
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	12.3	9.5	14.3

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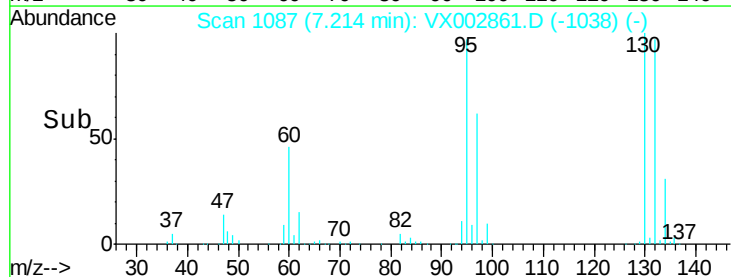
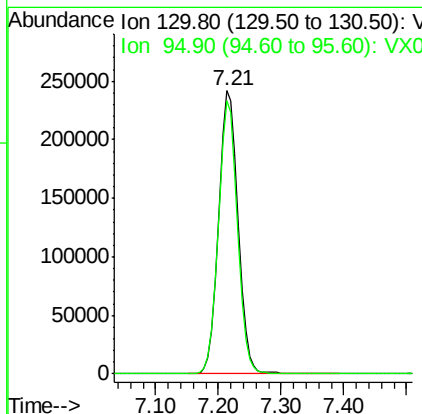
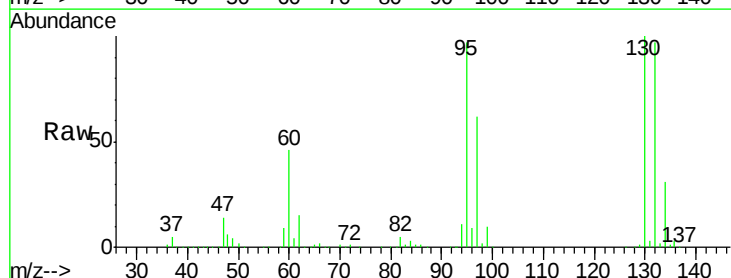
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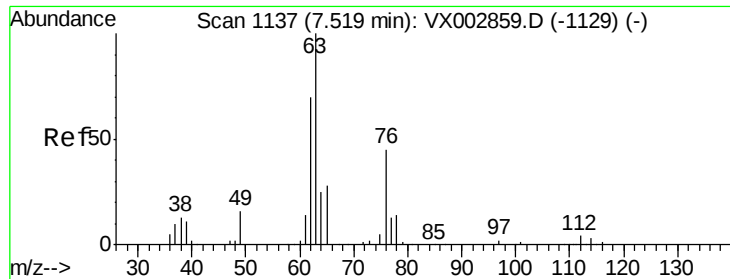


#44

Trichloroethene
 Concen: 154.28 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Tgt Ion	130	Resp	518237
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	185.4





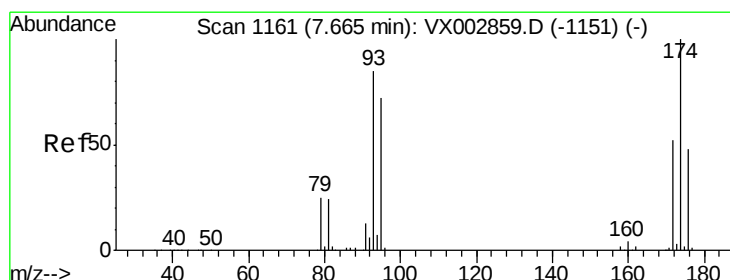
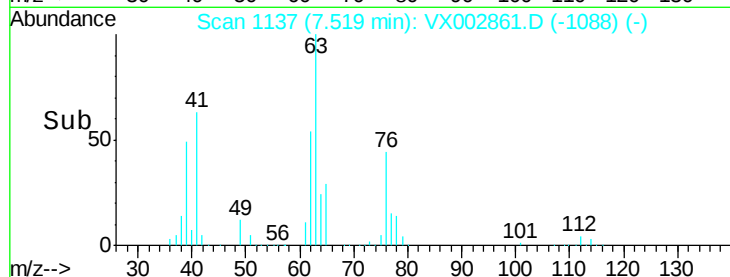
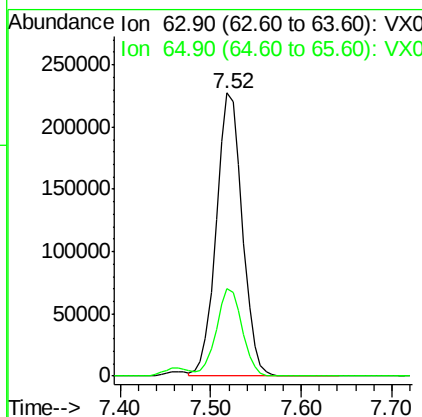
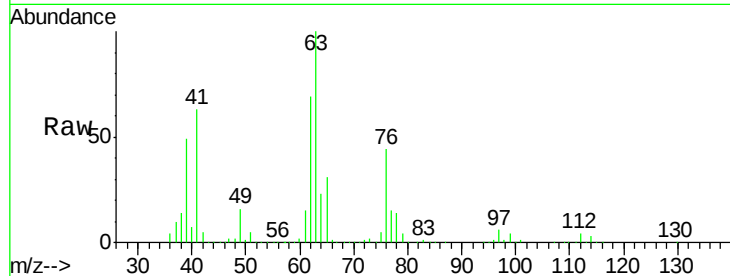
#45
1,2-Dichloropropane
Concen: 148.78 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 63 Resp: 455684
Ion Ratio Lower Upper
63 100
65 30.9 24.7 37.1

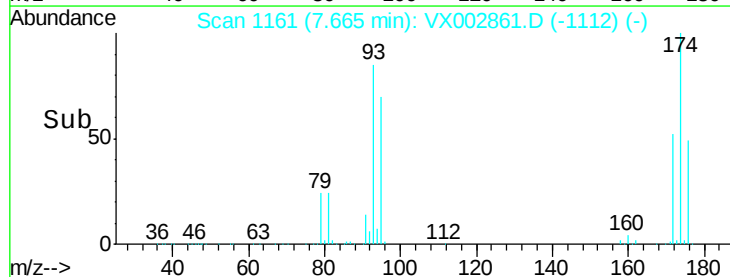
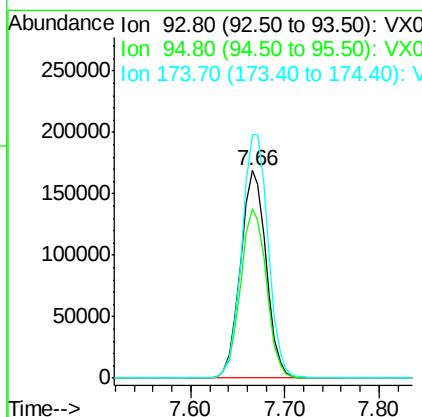
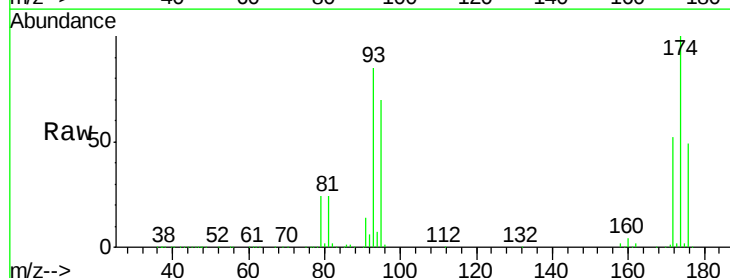
Manual Integrations
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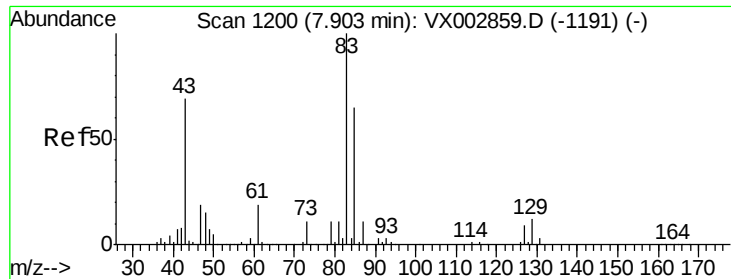
MMDadoda
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#46
Dibromomethane
Concen: 156.33 ug/l
RT: 7.66 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion: 93 Resp: 320290
Ion Ratio Lower Upper
93 100
95 82.8 65.9 98.9
174 121.3 92.4 138.6





#47

Bromodichloromethane

Concen: 178.02 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

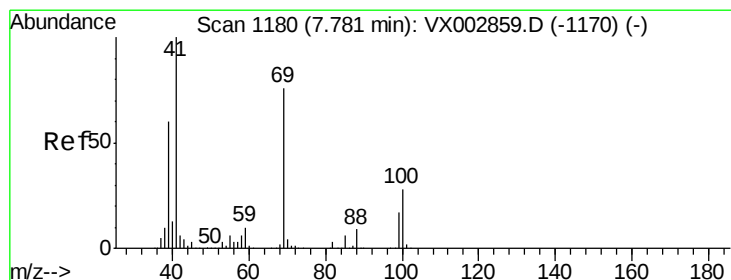
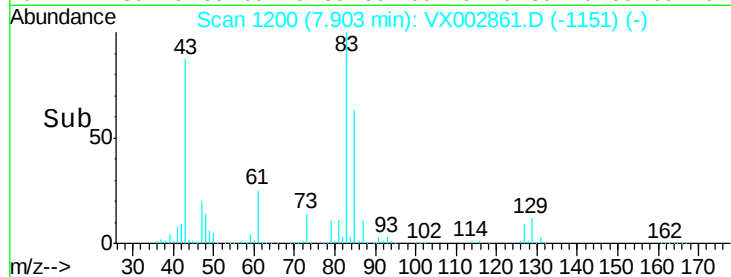
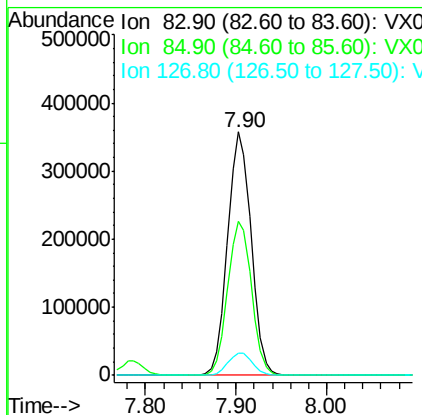
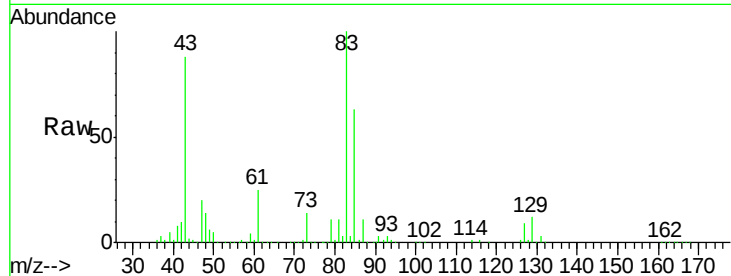
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	643316
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.3	75.5
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 163.21 ug/l

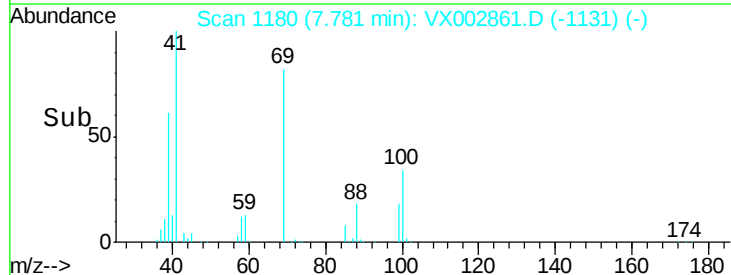
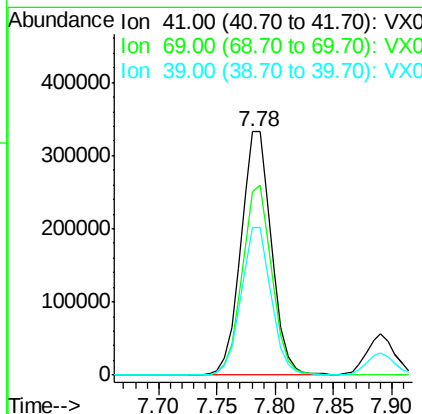
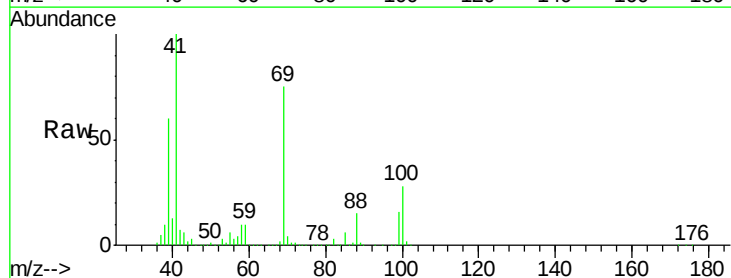
RT: 7.78 min Scan# 1180

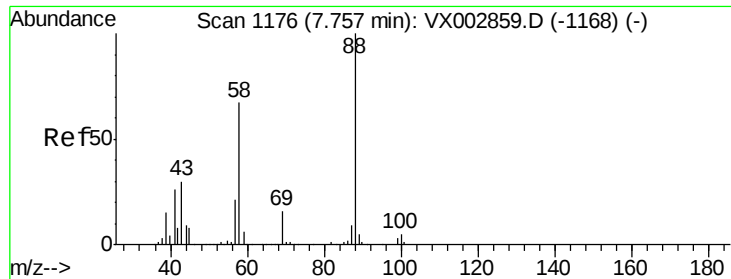
Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tgt Ion:	41	Resp:	607044
Ion Ratio	Lower	Upper	
41	100		
69	76.3	59.1	88.7
39	59.7	48.9	73.3





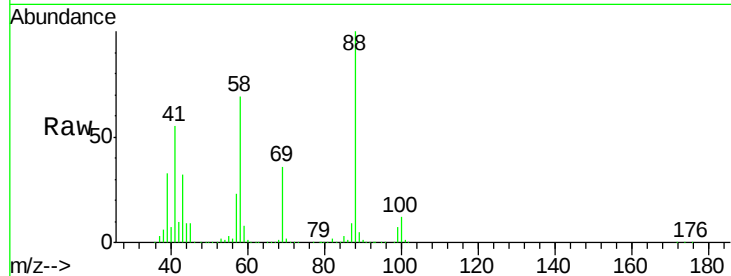
#49
1,4-Dioxane
Concen: 3191.28 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	224781		
43	35.6	29.8	44.6	
58	69.7	57.1	85.7	

Manual Integrations
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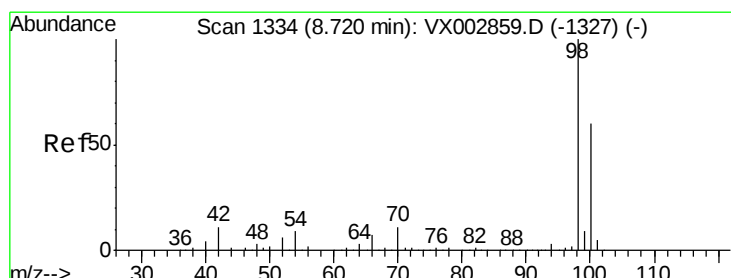
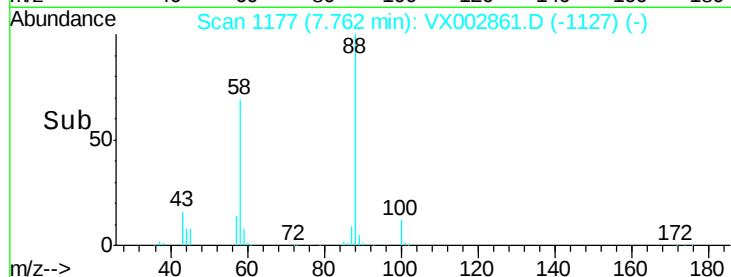
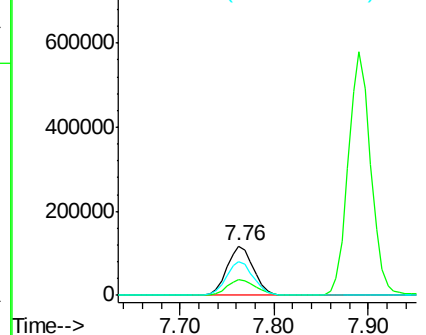


Abundance

Ion 88.00 (87.70 to 88.70): VX0

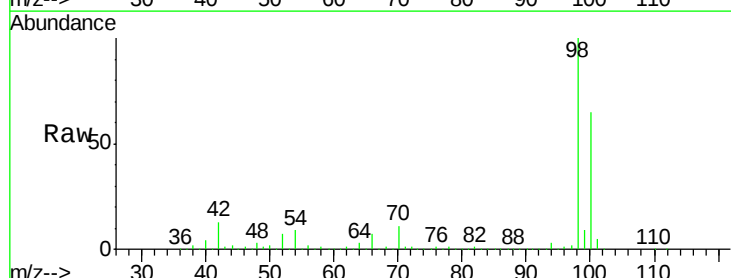
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 144.12 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

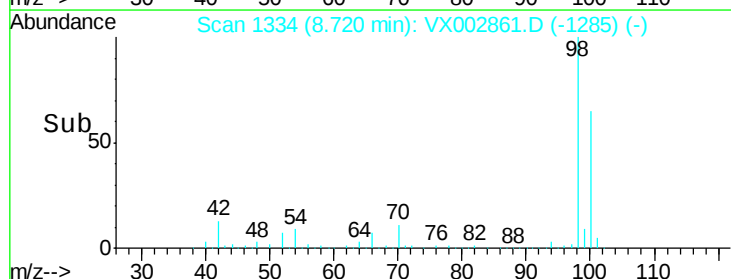
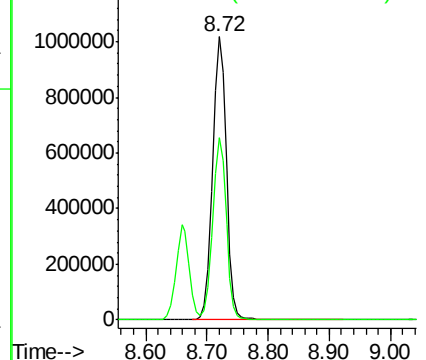
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1596002		
100	63.9	50.9	76.3	

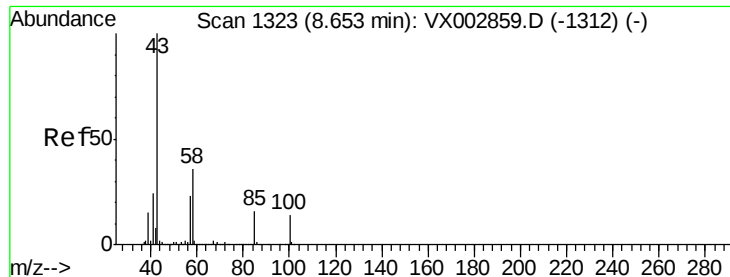


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 787.53 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3680339

Ion Ratio Lower Upper

43 100

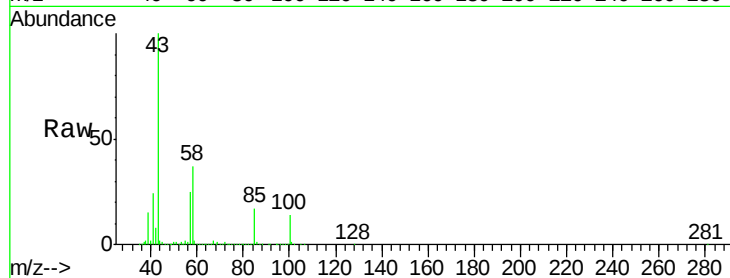
58 36.8 28.6 42.8

Manual Integrations

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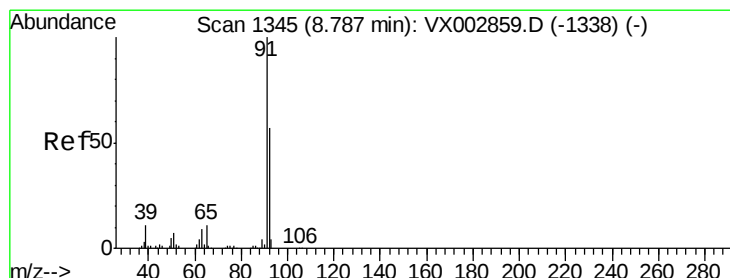
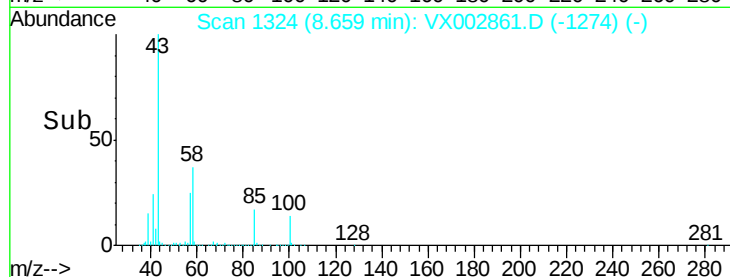
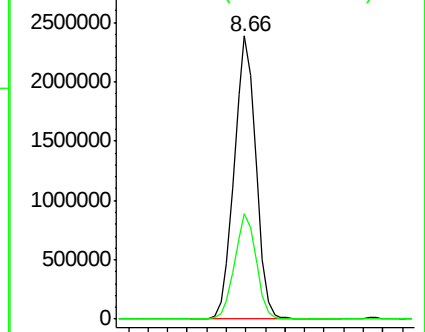
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 156.21 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002861.D

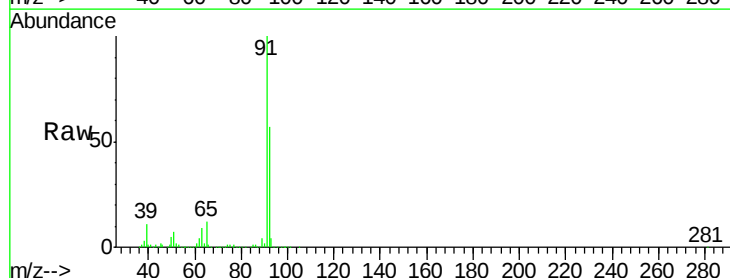
Acq: 25 Jun 2018 13:07

Tgt Ion: 92 Resp: 1159652

Ion Ratio Lower Upper

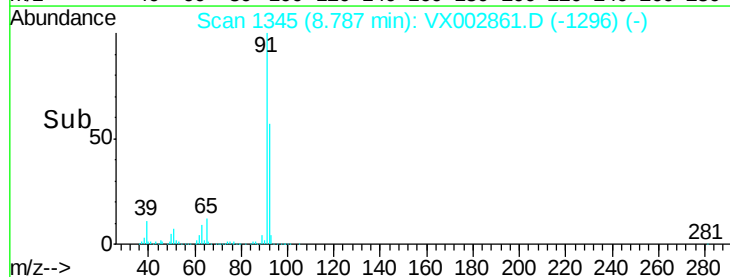
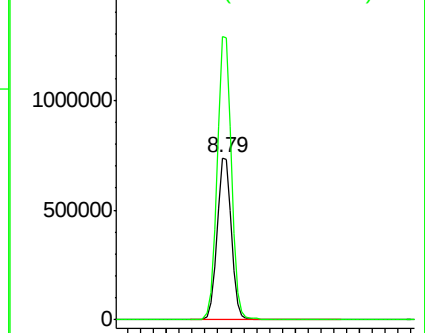
92 100

91 174.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 179.26 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tot Ion: 75 Resp: 762212

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

Instrument :

MSVOA_X

ClientSampleId :

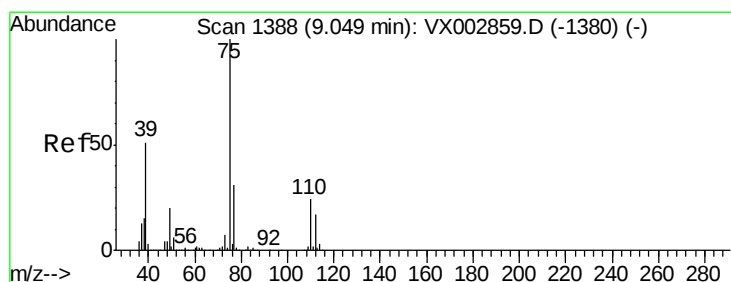
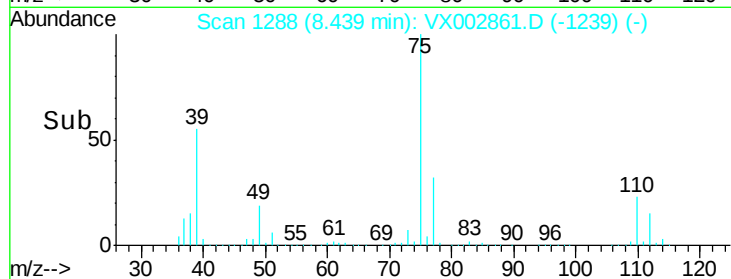
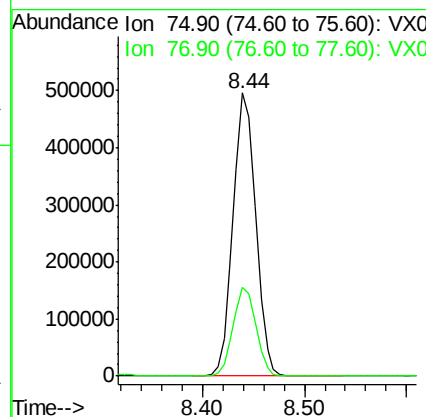
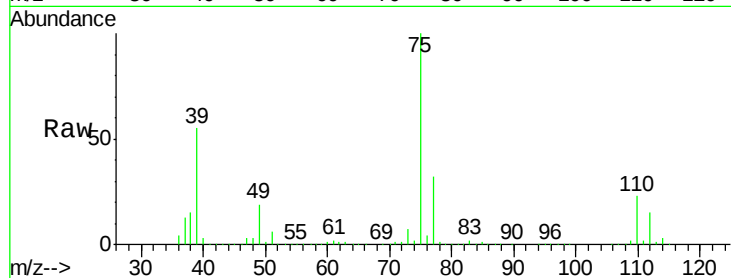
VSTDIC150

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 189.19 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

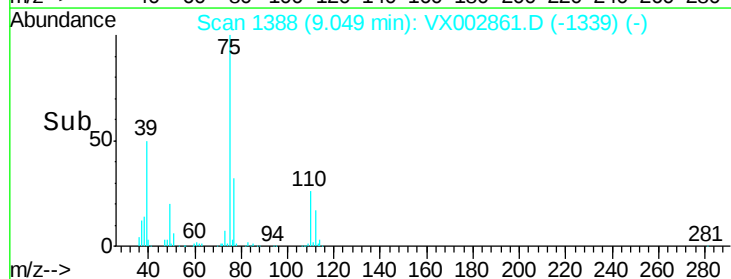
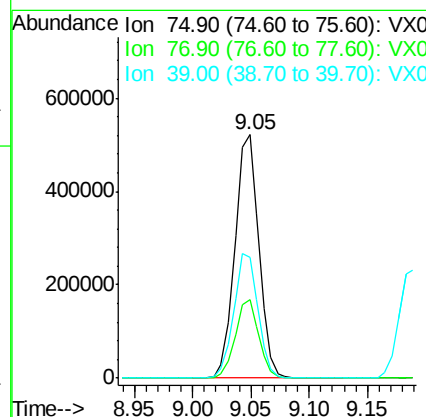
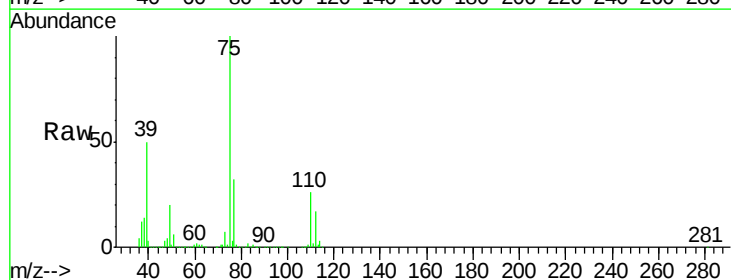
Tgt Ion: 75 Resp: 745158

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 49.8 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 159.53 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

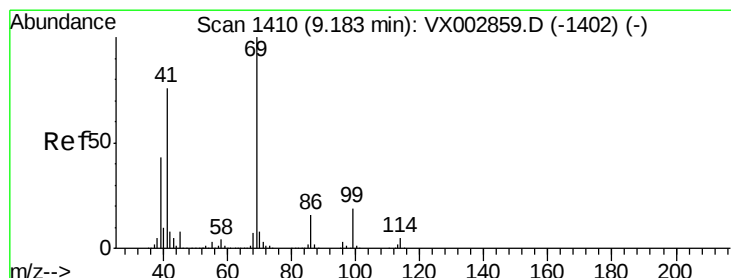
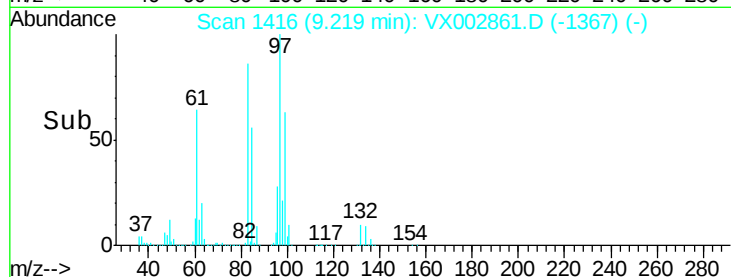
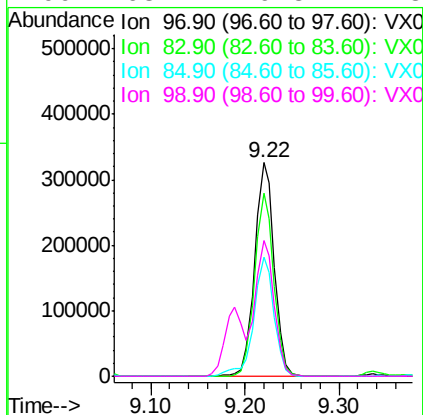
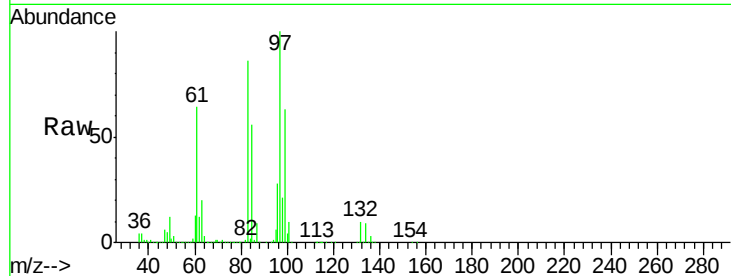
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	478554
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.2	105.2
85	55.9	44.9	67.3
99	63.4	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 164.13 ug/l

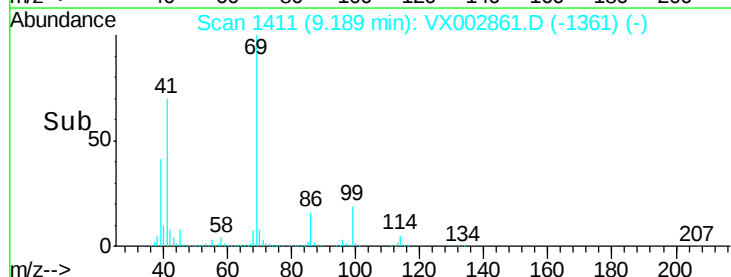
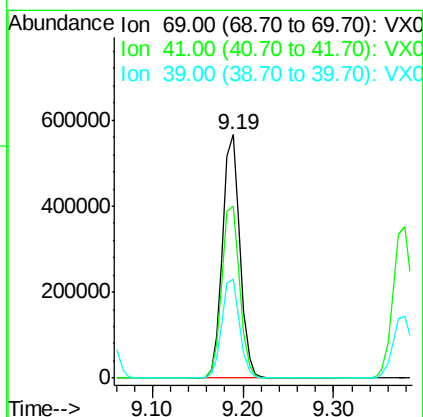
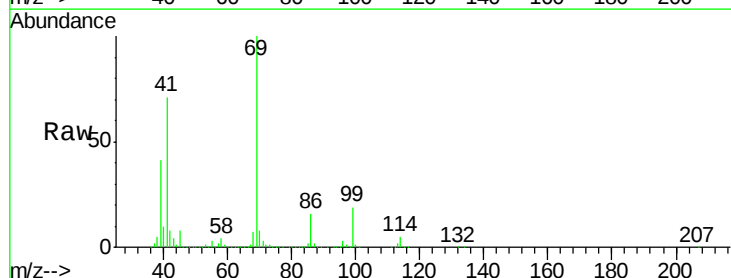
RT: 9.19 min Scan# 1411

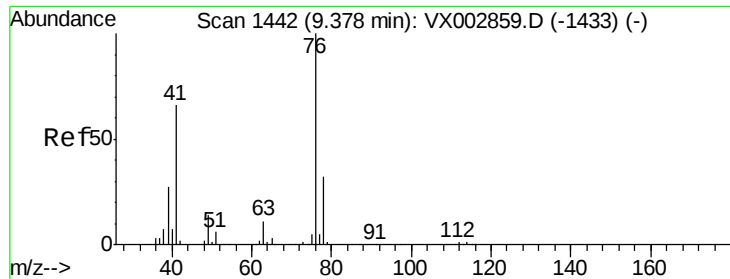
Delta R.T. 0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tgt Ion:	69	Resp:	757681
Ion	Ratio	Lower	Upper
69	100		
41	72.7	60.3	90.5
39	41.7	35.8	53.8





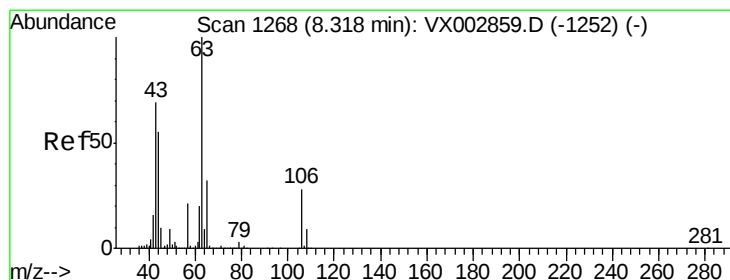
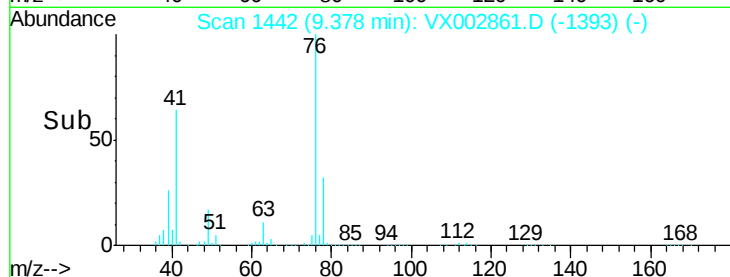
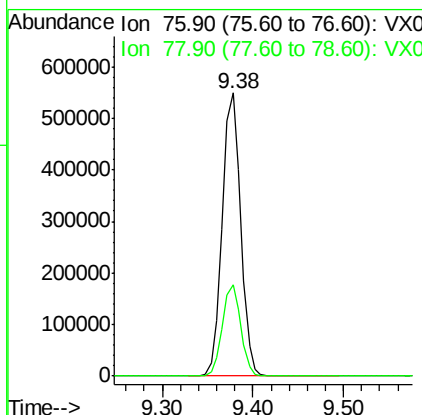
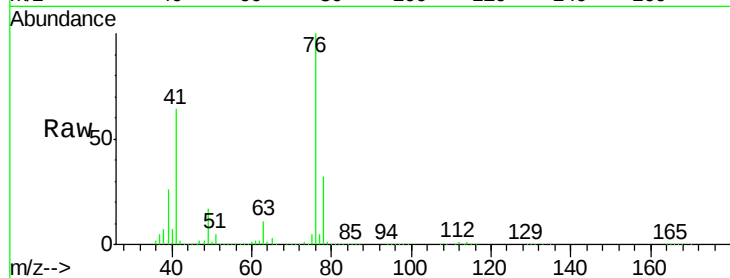
#57
 1,3-Dichloropropane
 Concen: 153.65 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

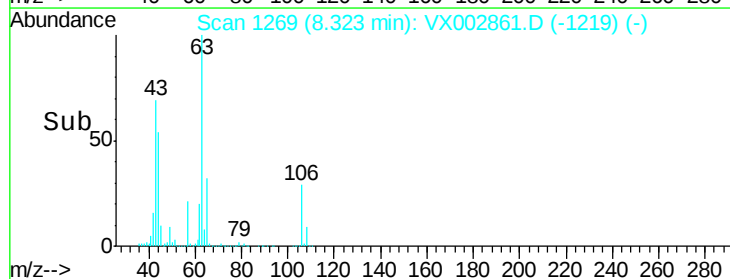
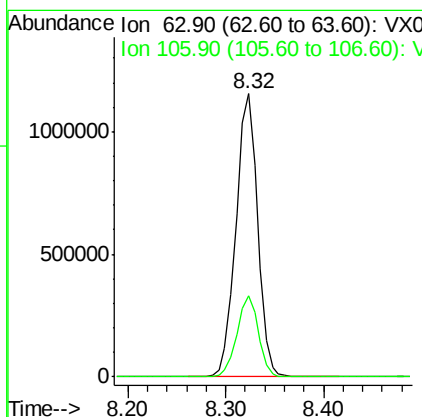
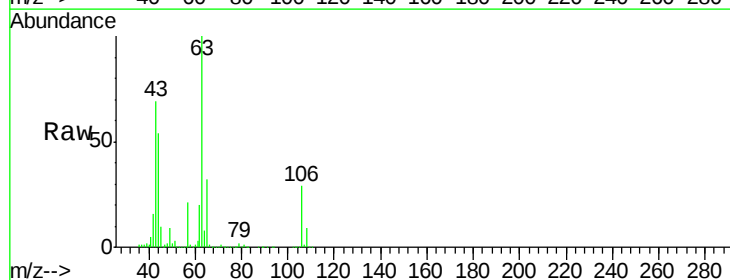
Manual Integrations
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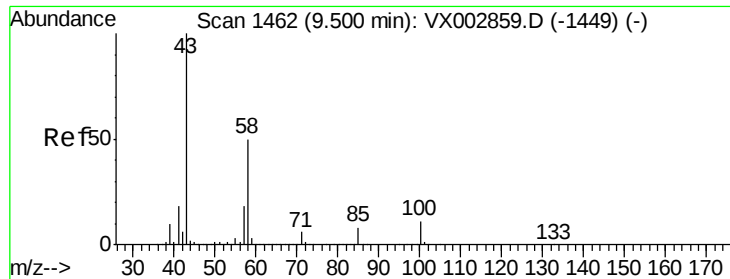
MMDadoda
 6/28/2018 2:26:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 795.93 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.8	32.8





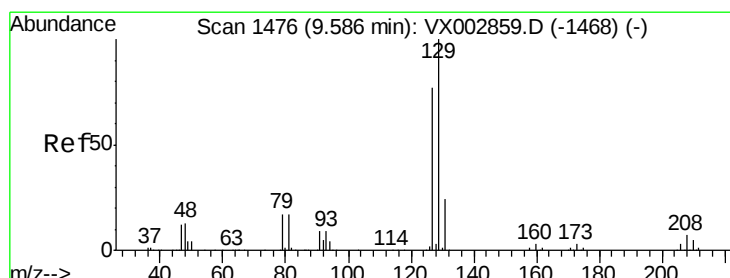
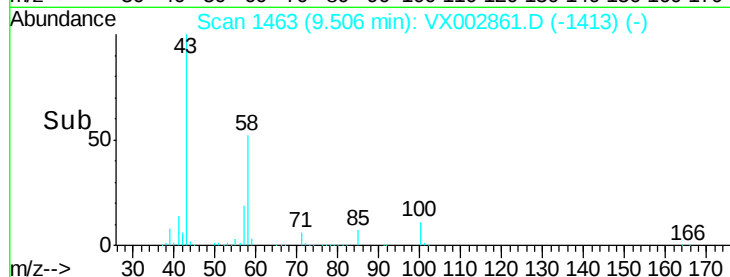
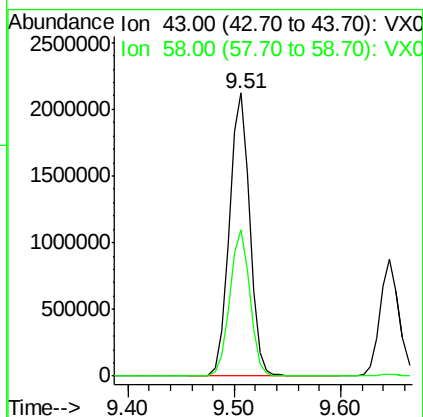
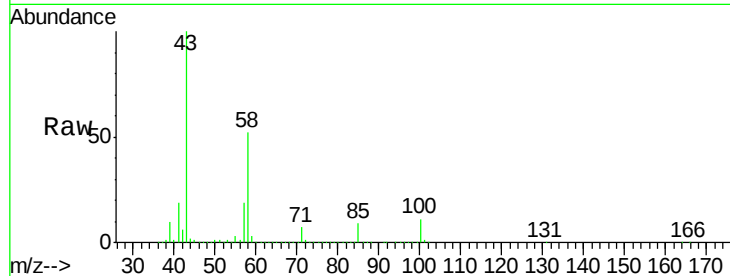
#59
2-Hexanone
Concen: 808.02 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2845436
Ion Ratio Lower Upper
43 100
58 51.3 24.6 73.6

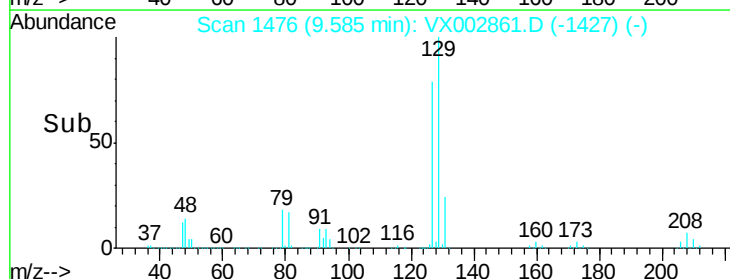
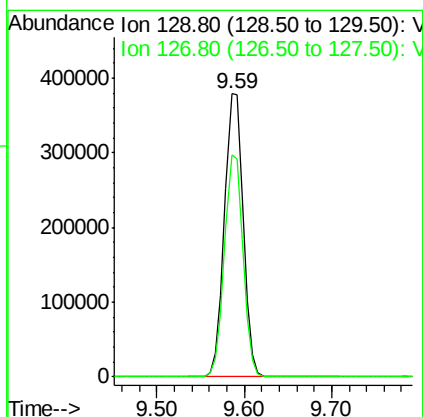
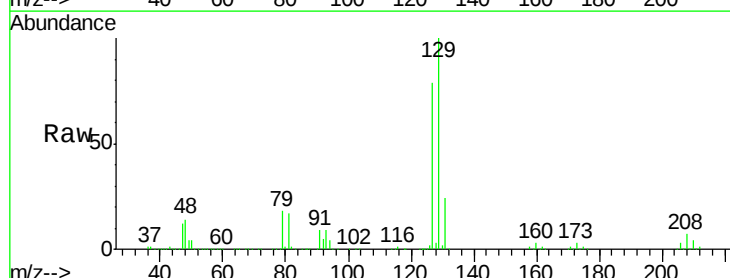
Manual Integrations
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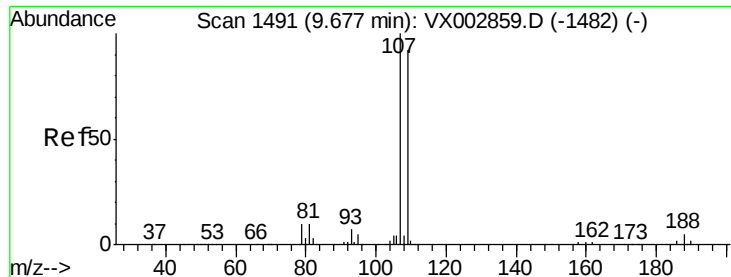
MMDadoda
6/28/2018 2:26:27 PM



#60
Dibromochloromethane
Concen: 194.57 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion: 129 Resp: 563395
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 165.90 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 515420

Ion Ratio Lower Upper

107 100

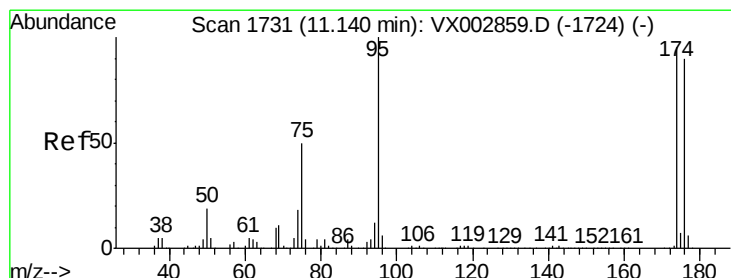
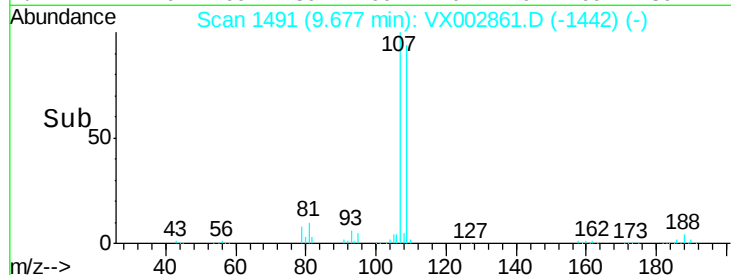
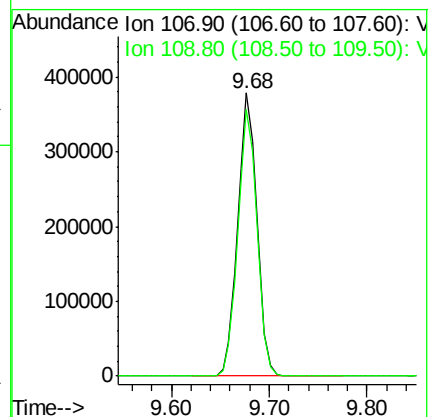
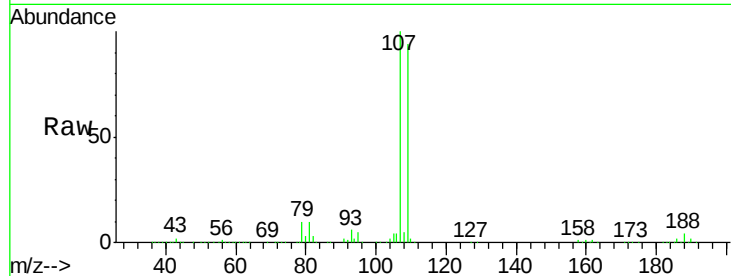
109 94.5 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 154.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

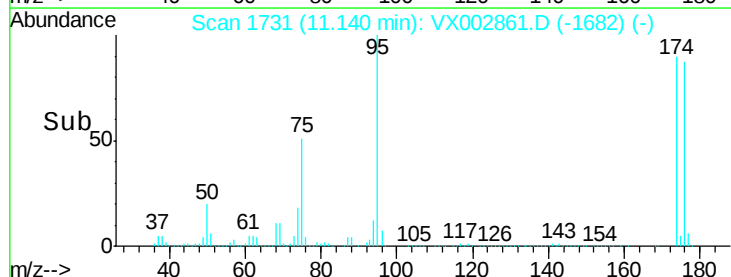
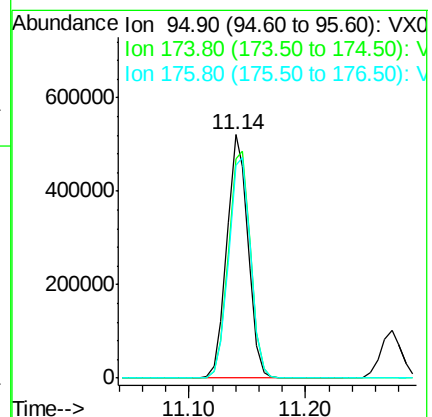
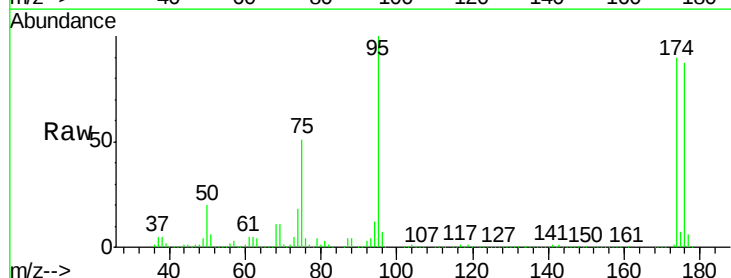
Tgt Ion: 95 Resp: 649708

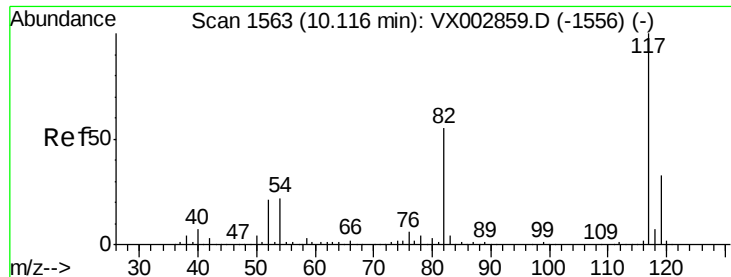
Ion Ratio Lower Upper

95 100

174 97.5 0.0 187.4

176 94.8 0.0 181.0





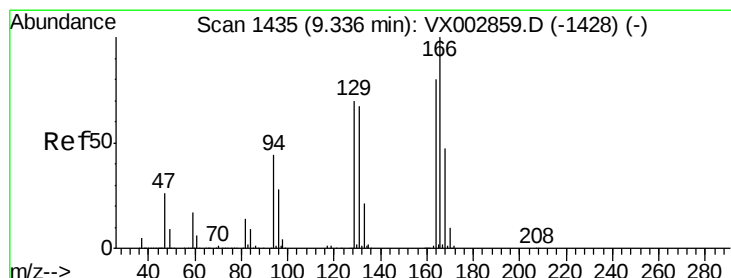
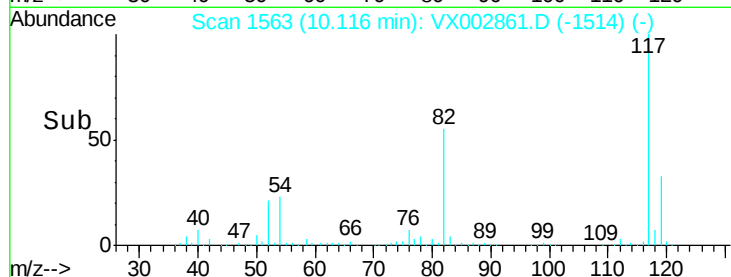
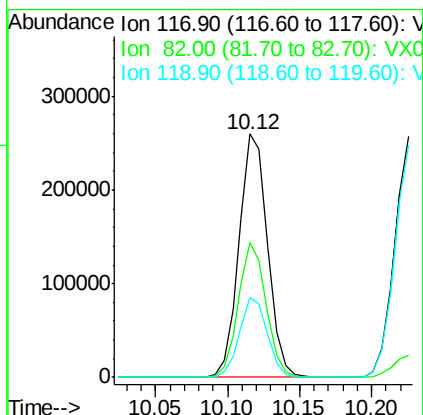
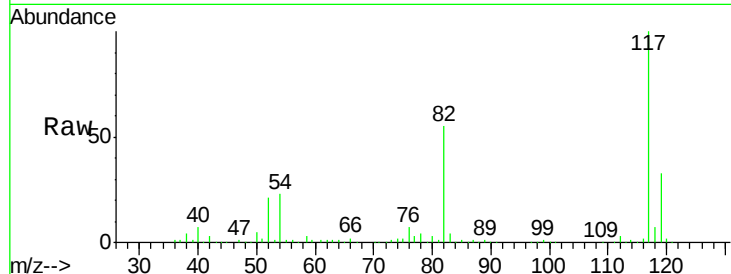
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.0	67.4
119	32.6	25.8	38.6

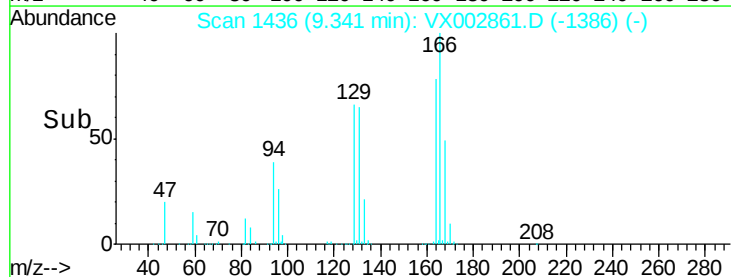
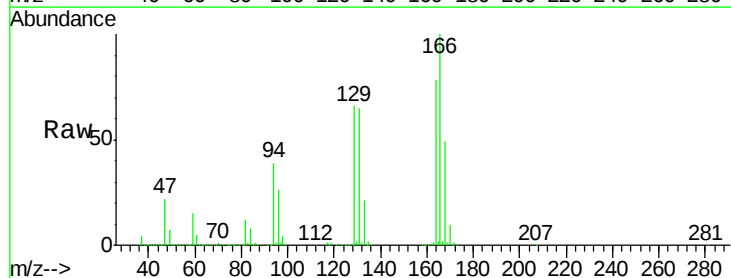
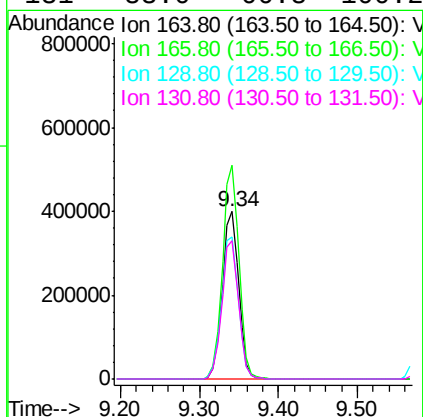
Manual Integrations
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#64
Tetrachloroethene
Concen: 145.66 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.9	154.3
129	84.6	68.6	102.8
131	83.0	66.8	100.2





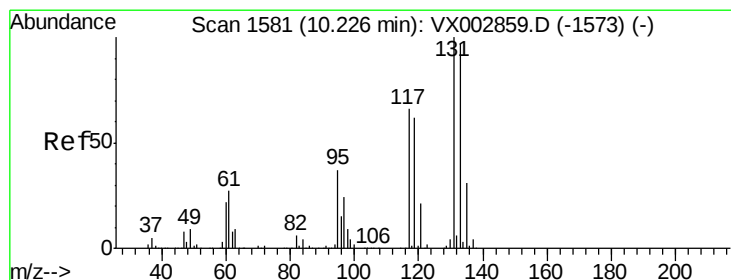
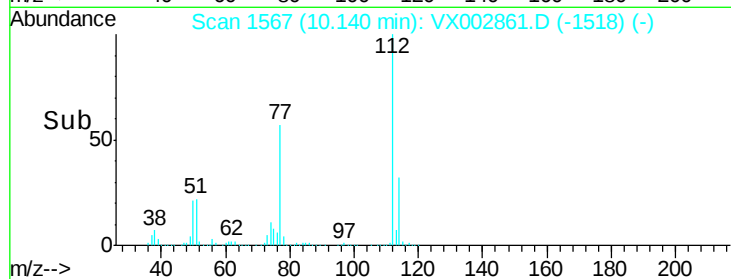
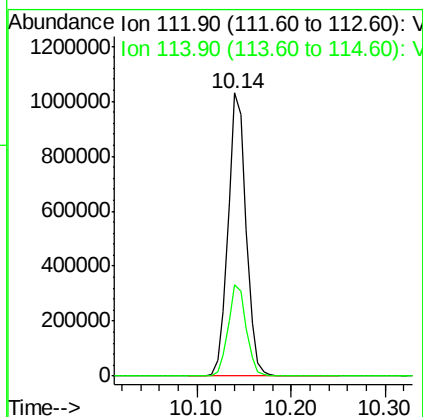
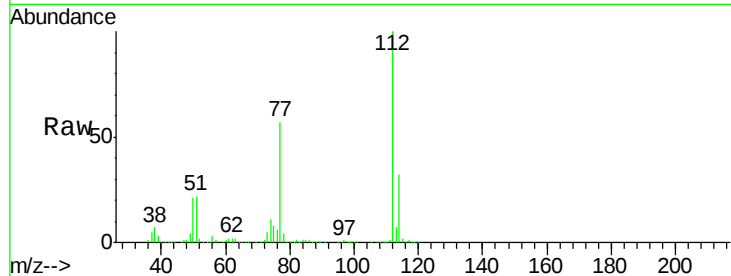
#65
Chlorobenzene
Concen: 155.51 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1362555
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

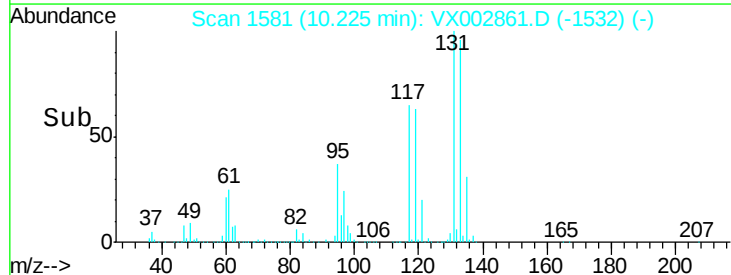
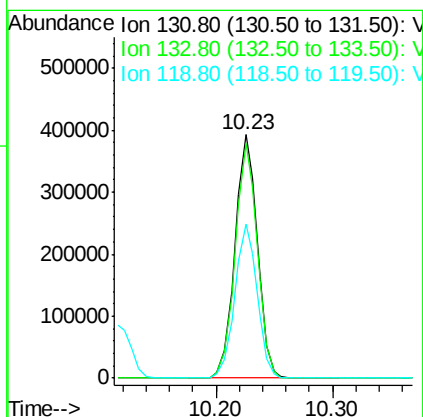
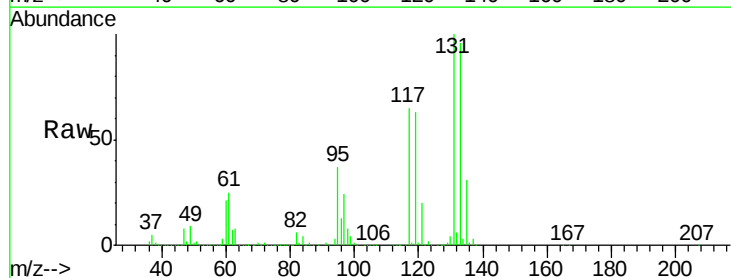
Manual Integrations
APPROVED

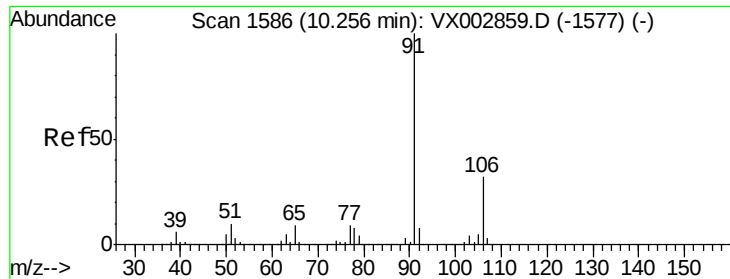
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#66
1,1,1,2-Tetrachloroethane
Concen: 176.45 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion:131 Resp: 527067
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 62.8 31.8 95.3





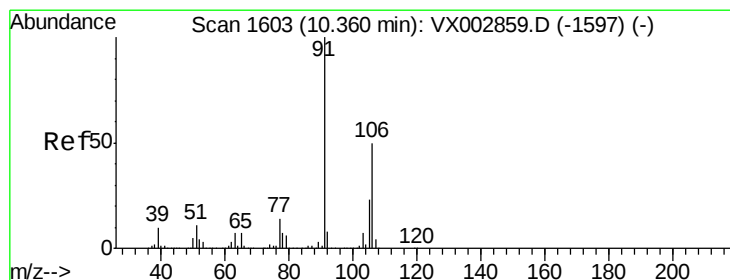
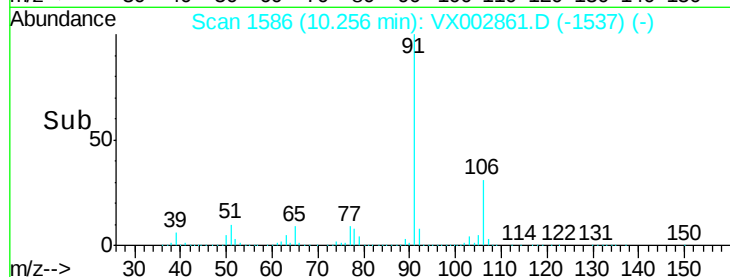
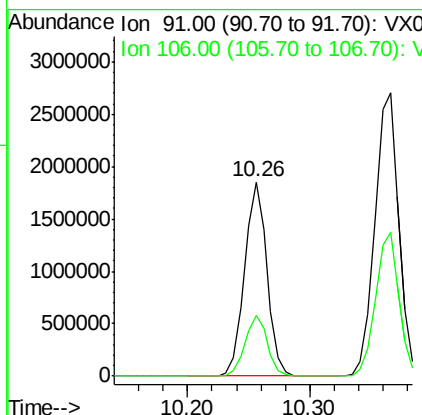
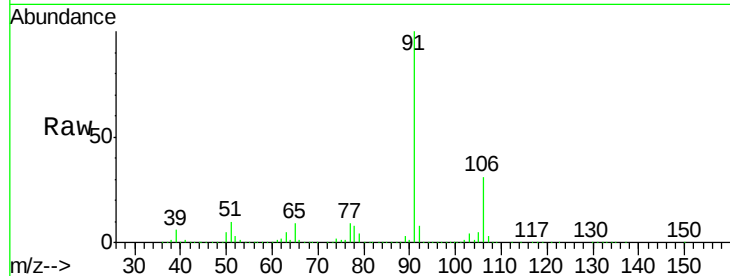
#67
Ethyl Benzene
Concen: 157.97 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 2334606
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

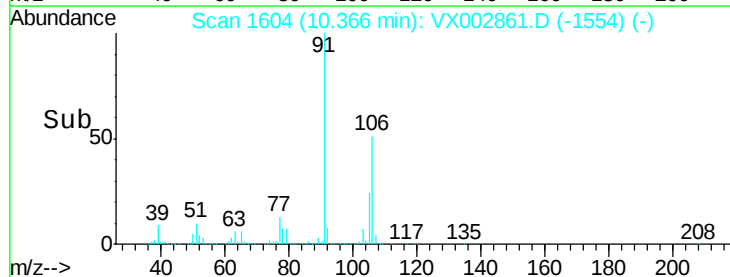
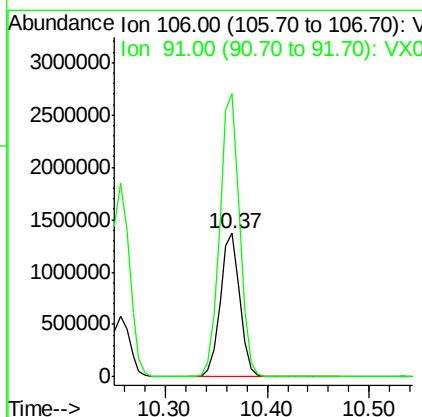
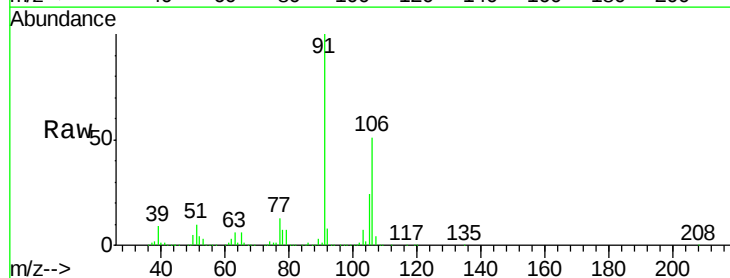
Manual Integrations
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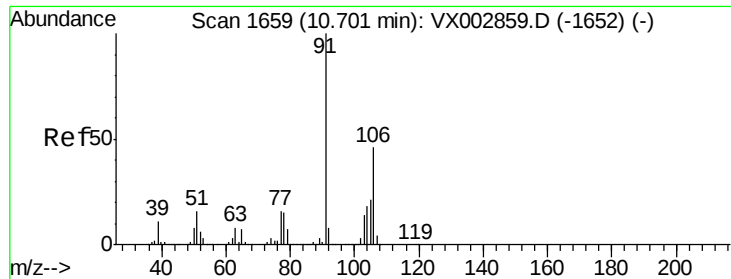
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6/28/2018 2:26:27 PM



#68
m/p-Xylenes
Concen: 321.13 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion: 106 Resp: 1830681
Ion Ratio Lower Upper
106 100
91 200.9 163.4 245.2





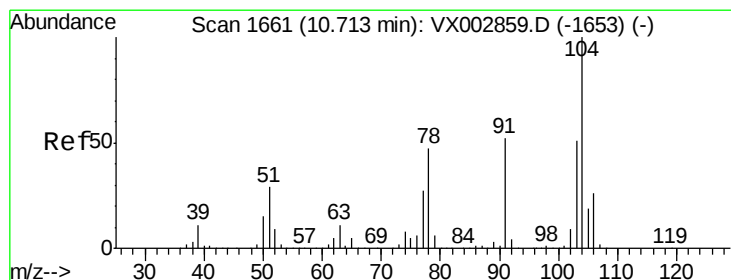
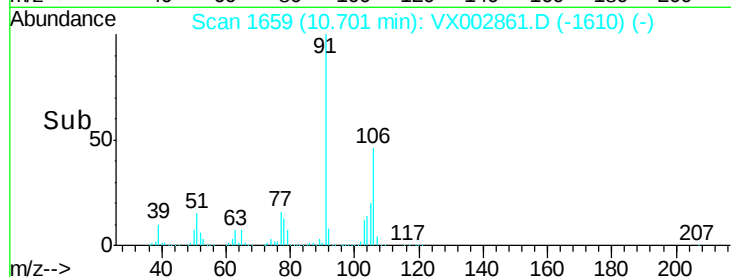
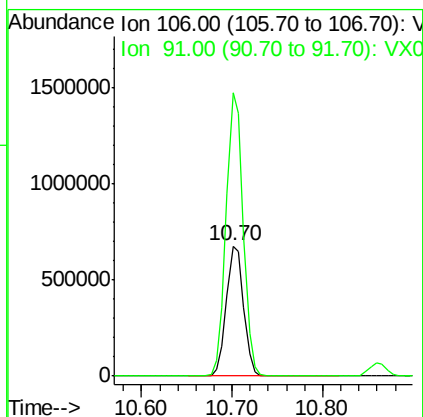
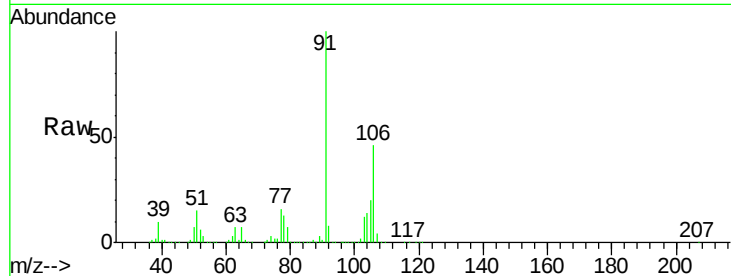
#69
o-Xylene
Concen: 159.78 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 894895
Ion Ratio Lower Upper
106 100
91 214.7 108.2 324.6

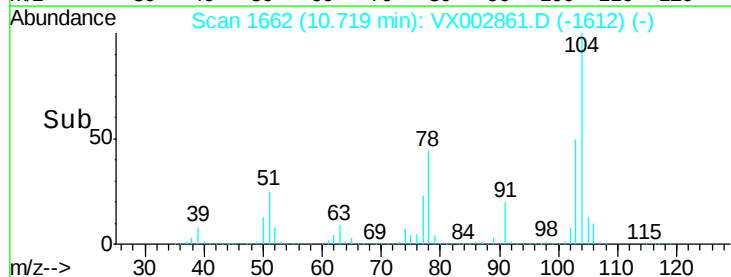
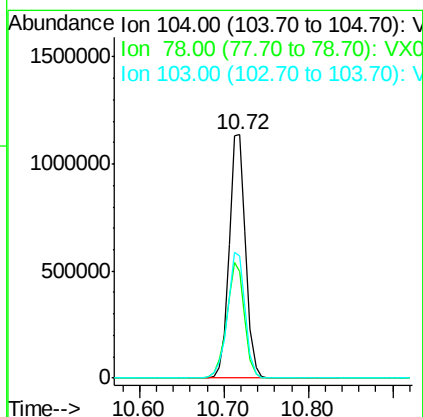
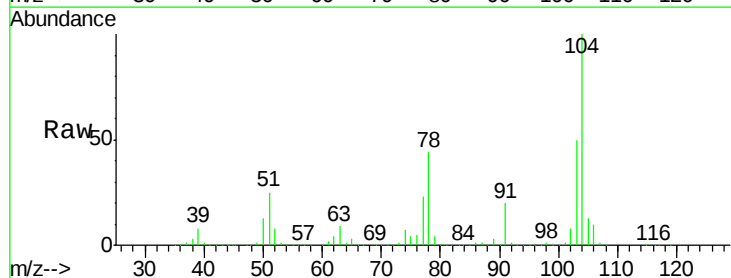
Manual Integrations
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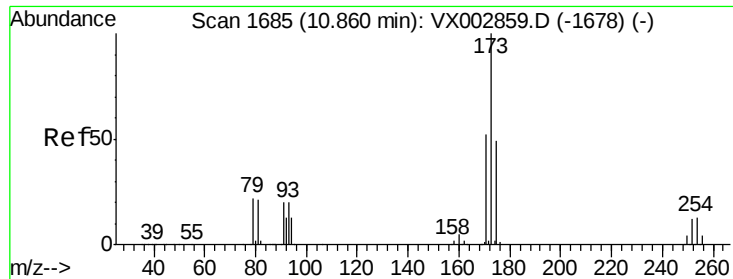
MMDadoda
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#70
Styrene
Concen: 164.44 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion:104 Resp: 1514633
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.6
103 55.8 44.2 66.4





#71

Bromoform

Concen: 216.61 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

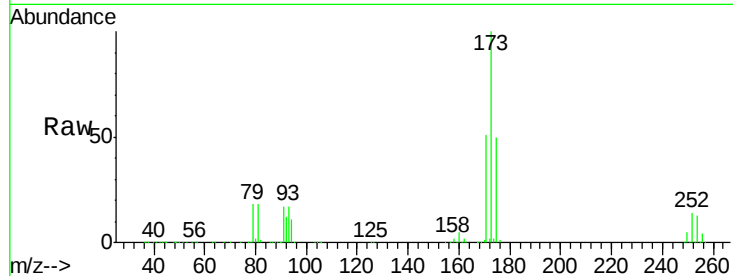
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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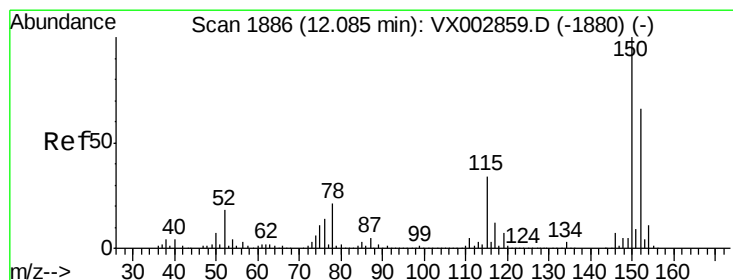
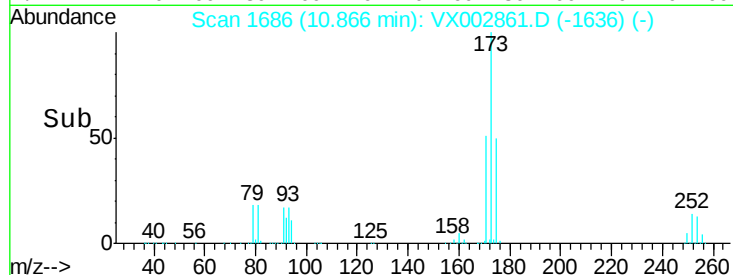
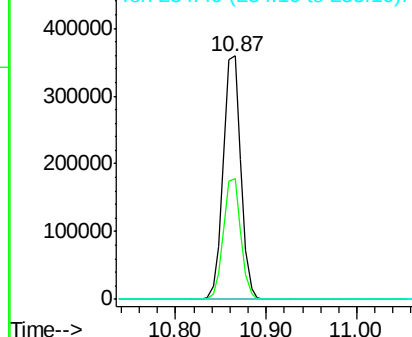


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

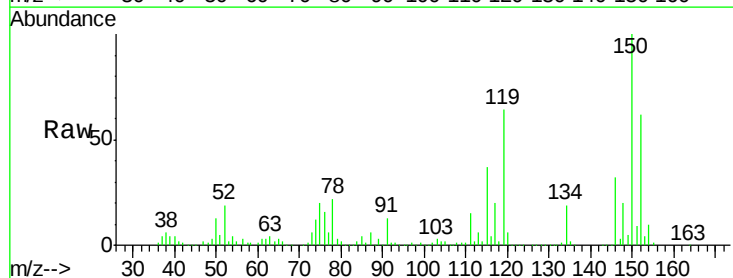
RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	130.2	40.1	120.2#
150	212.0	0.0	347.2

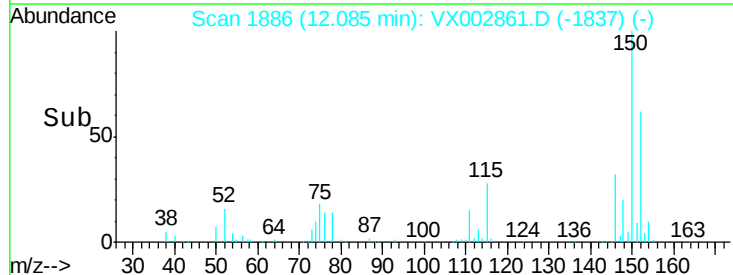
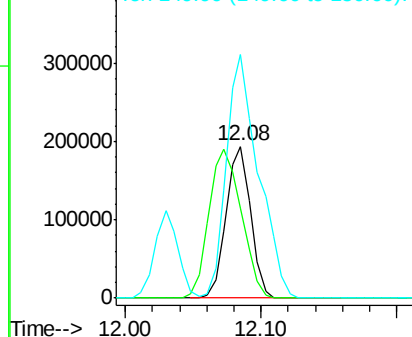


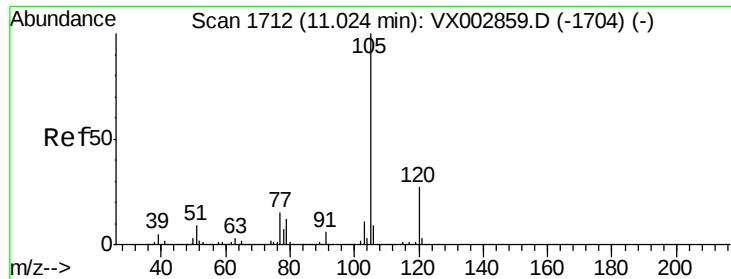
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 152.50 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2455216

Ion Ratio Lower Upper

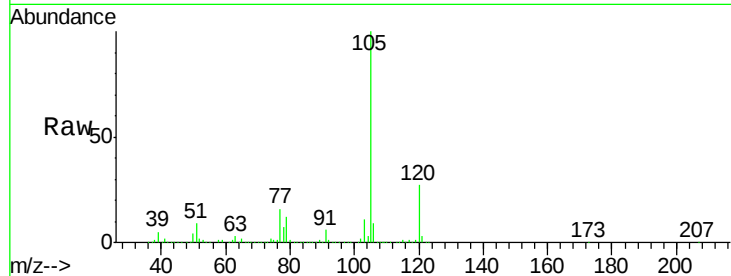
105 100

120 27.1 13.5 40.4

Manual Integrations
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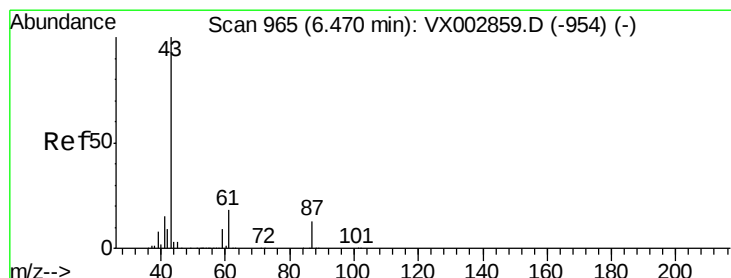
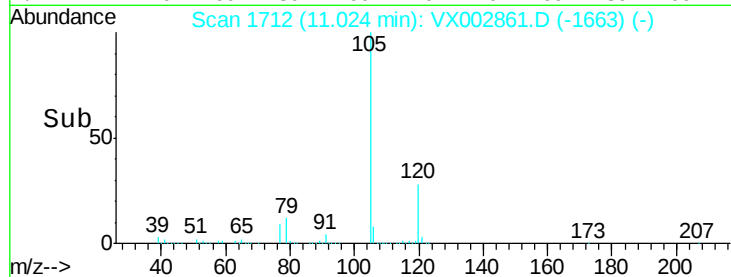
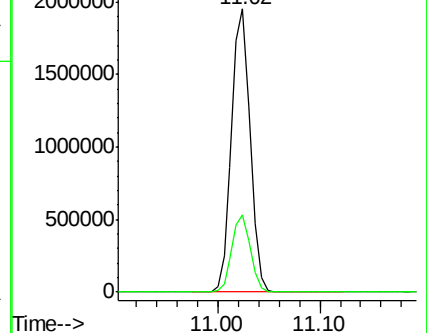
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 143.46 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tgt Ion: 43 Resp: 1147543

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0#

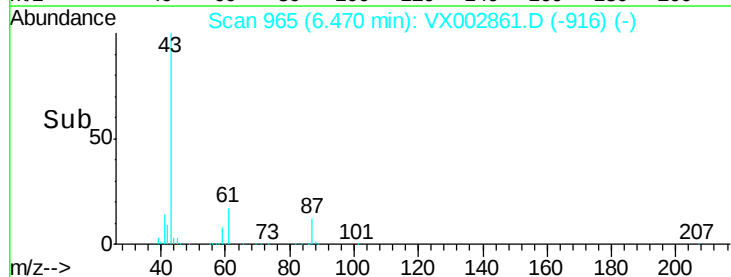
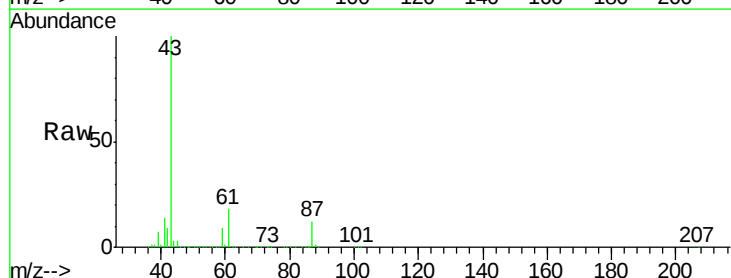
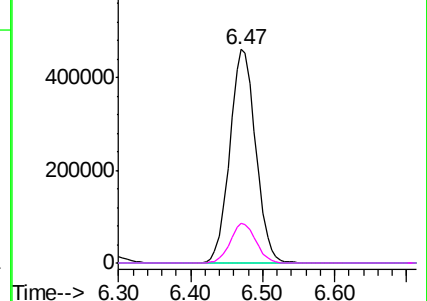
61 18.3 14.4 21.6

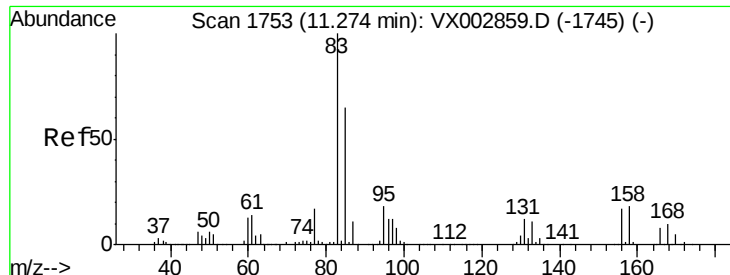
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 156.93 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 746115

Ion Ratio Lower Upper

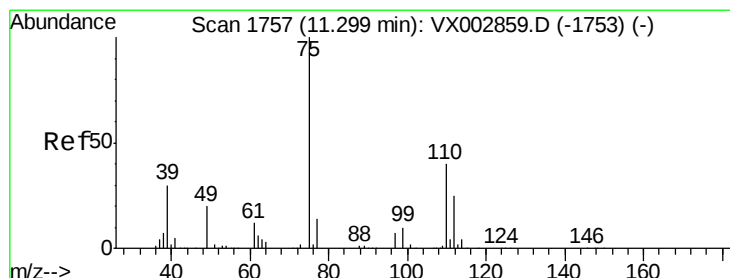
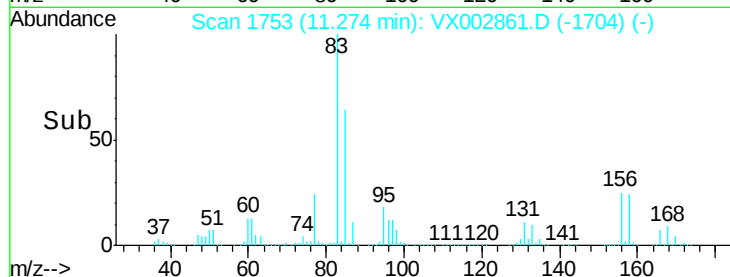
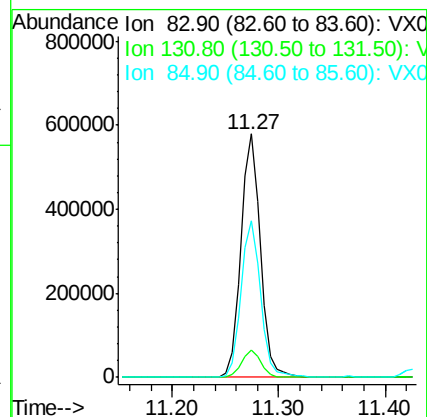
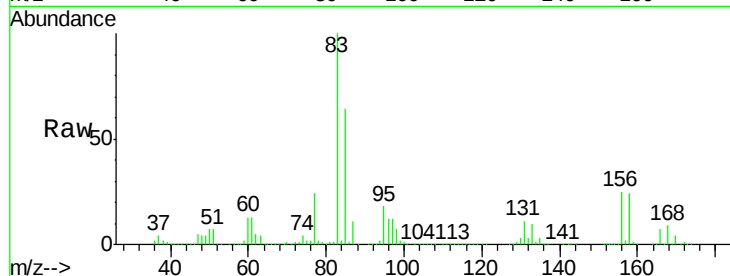
83 100

131 11.2 5.6 16.8

85 64.9 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 138.01 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VX002861.D

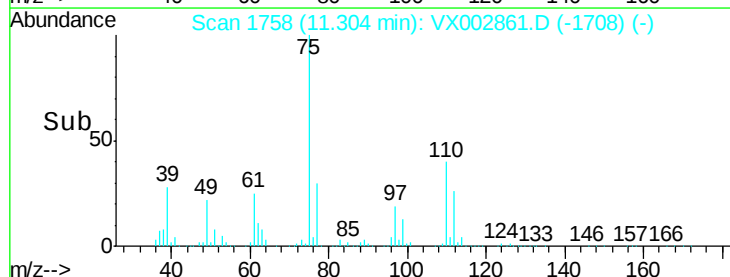
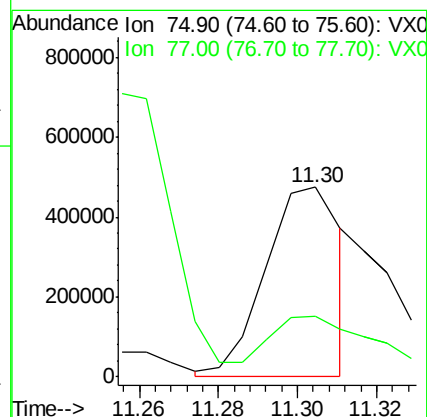
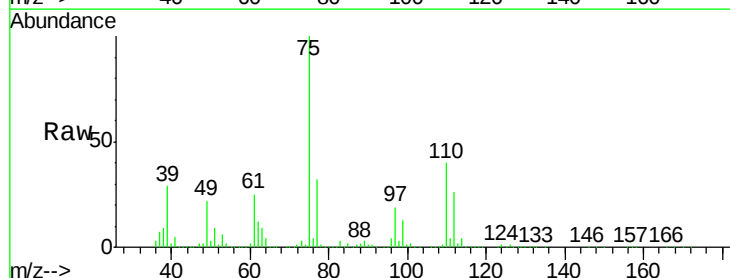
Acq: 25 Jun 2018 13:07

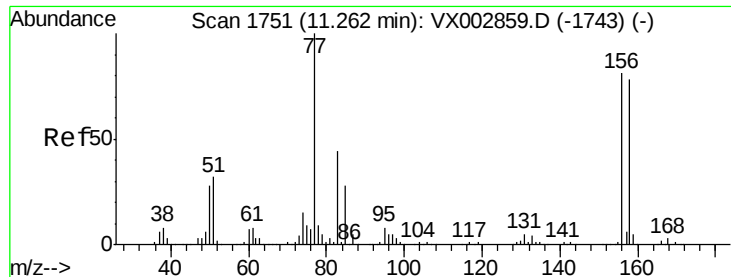
Tgt Ion: 75 Resp: 626915

Ion Ratio Lower Upper

75 100

77 44.5 22.8 68.3





#77

Bromobenzene

Concen: 154.55 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 693209

Ion Ratio Lower Upper

156 100

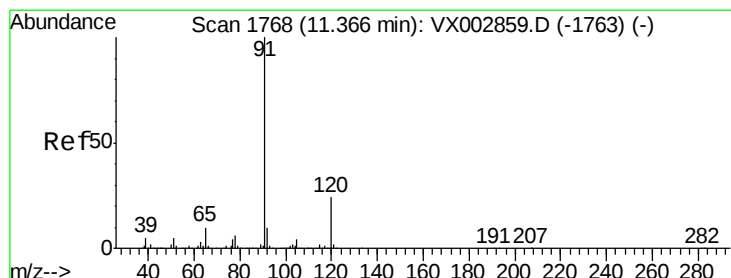
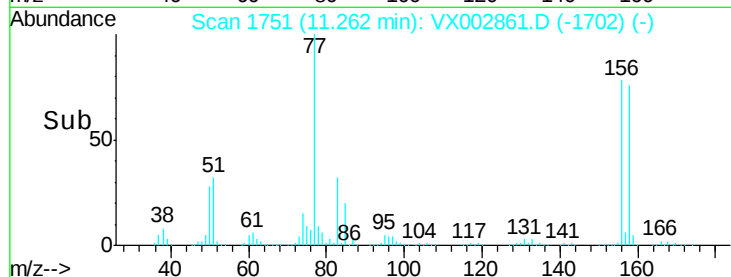
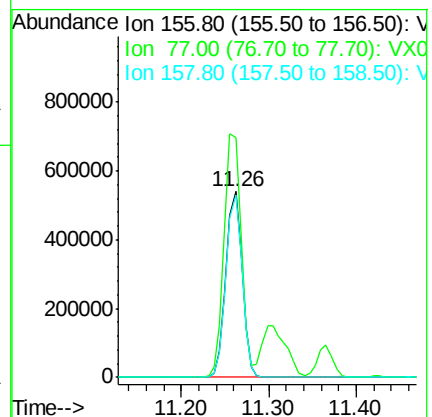
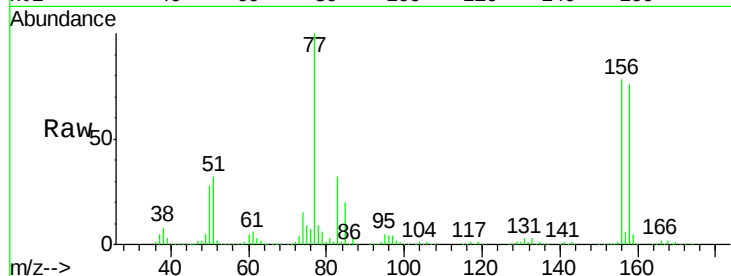
77 137.5 71.4 214.2

158 97.8 48.9 146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 153.09 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002861.D

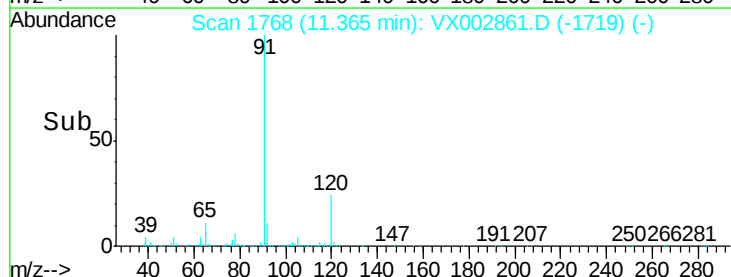
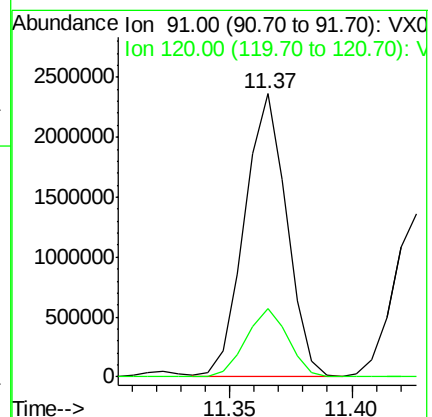
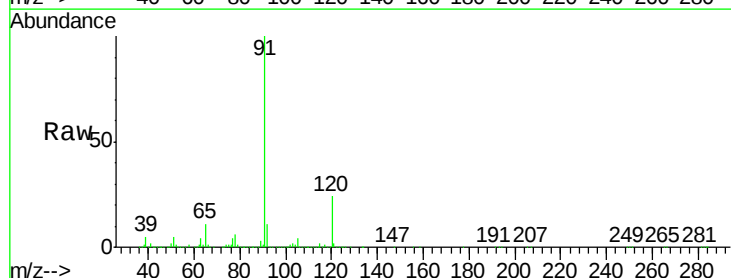
Acq: 25 Jun 2018 13:07

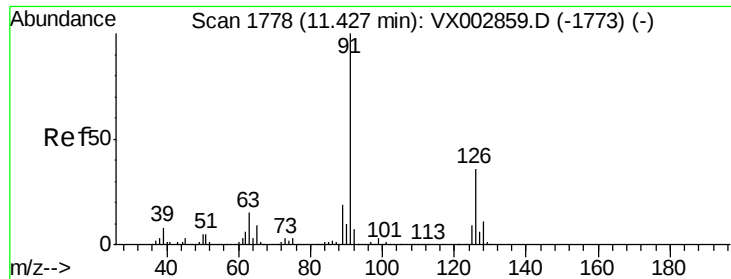
Tgt Ion: 91 Resp: 2826683

Ion Ratio Lower Upper

91 100

120 24.2 11.8 35.4





#79

2-Chlorotoluene

Concen: 150.53 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1659443

Ion Ratio Lower Upper

91 100

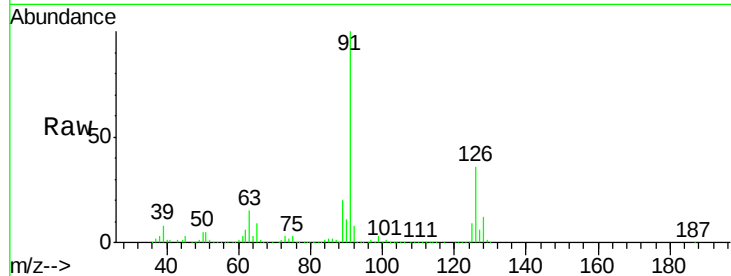
126 36.0 17.7 53.1

Manual Integrations

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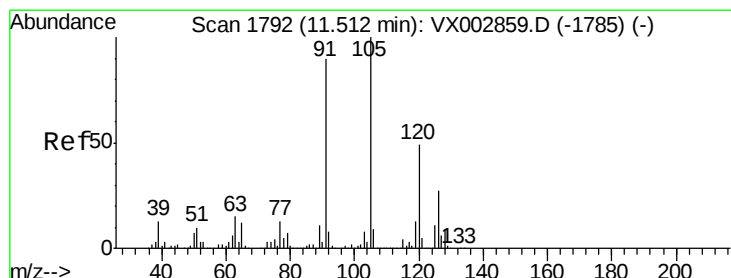
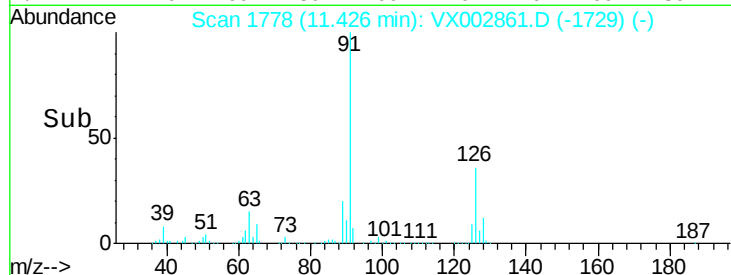
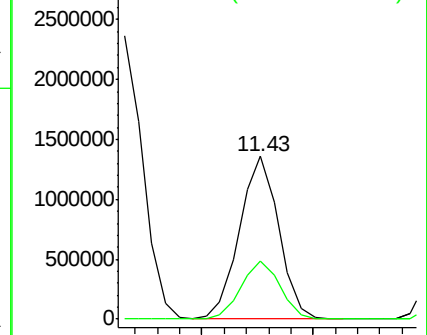
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 156.22 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002861.D

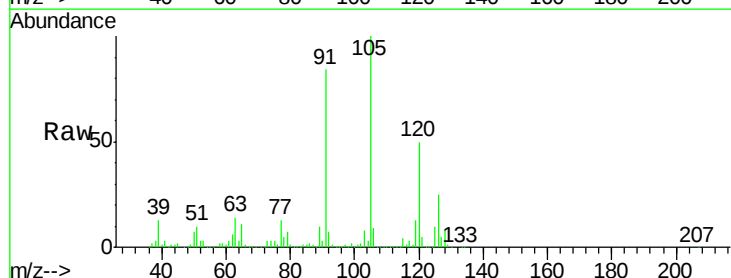
Acq: 25 Jun 2018 13:07

Tgt Ion:105 Resp: 2125580

Ion Ratio Lower Upper

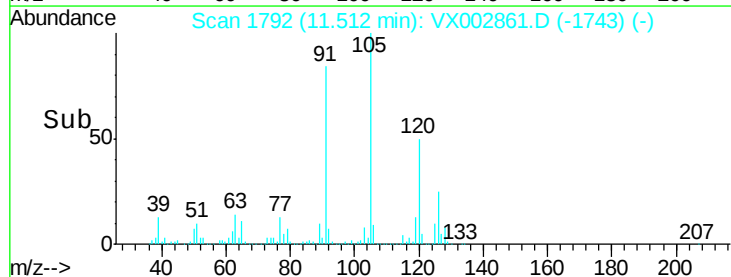
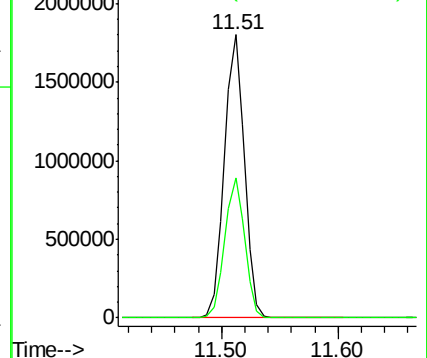
105 100

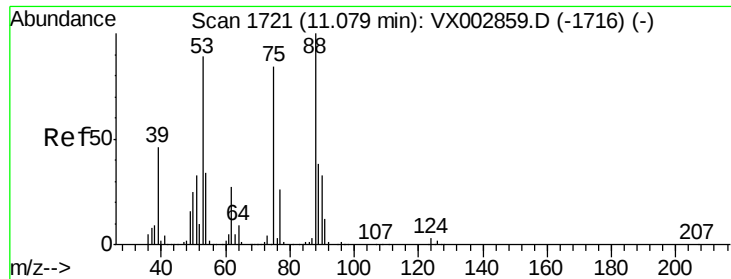
120 49.3 24.4 73.4



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: 201.56 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

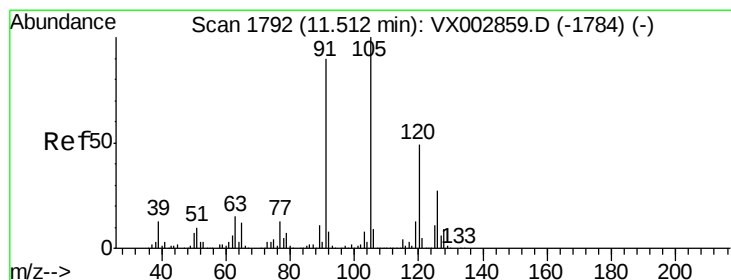
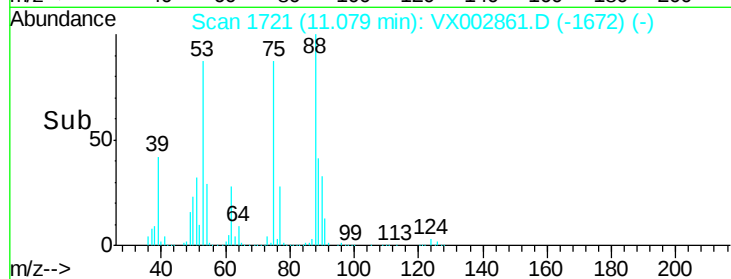
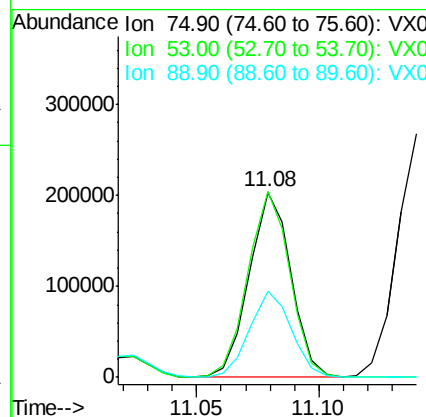
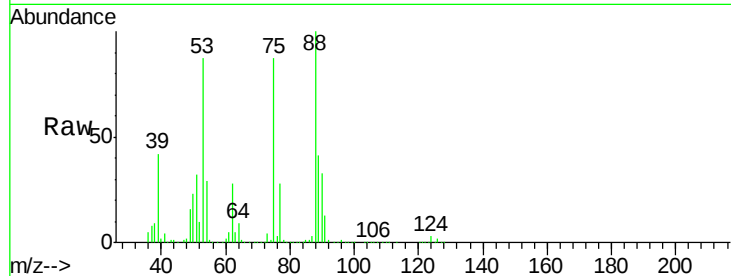
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	242017
Ion Ratio	Lower	Upper	
75	100		
53	101.3	86.8	130.2
89	47.2	38.2	57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 155.54 ug/l

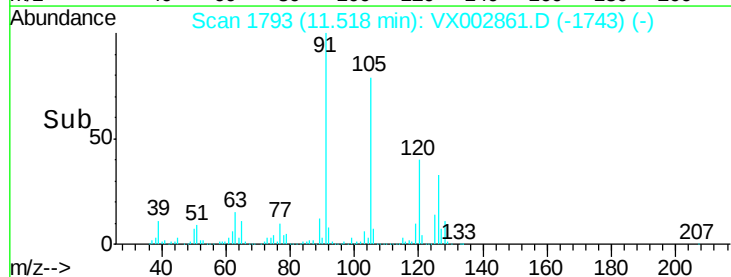
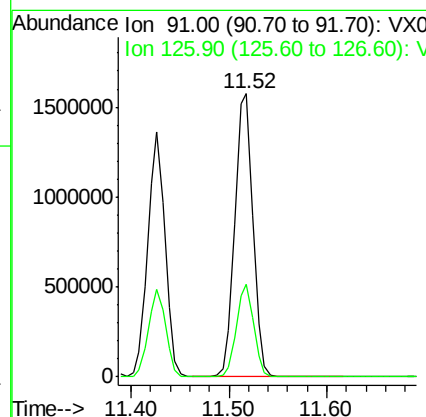
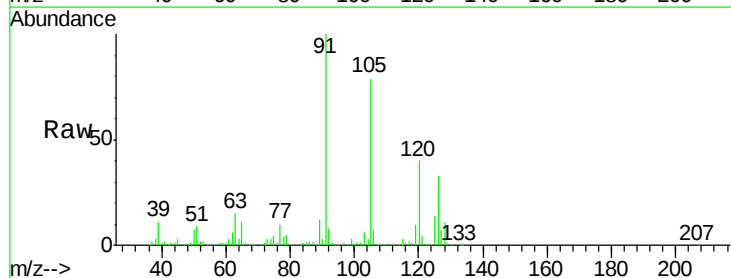
RT: 11.52 min Scan# 1793

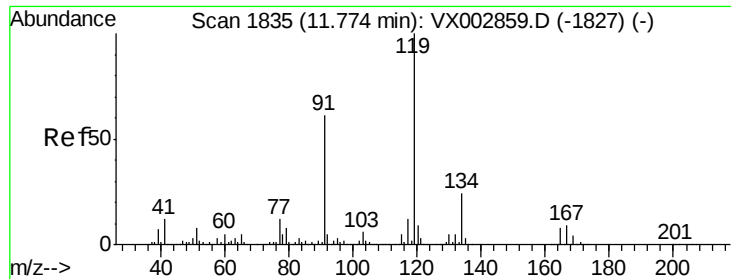
Delta R.T. 0.01 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Tgt Ion:	91	Resp:	2023328
Ion Ratio	Lower	Upper	
91	100		
126	31.2	15.4	46.4





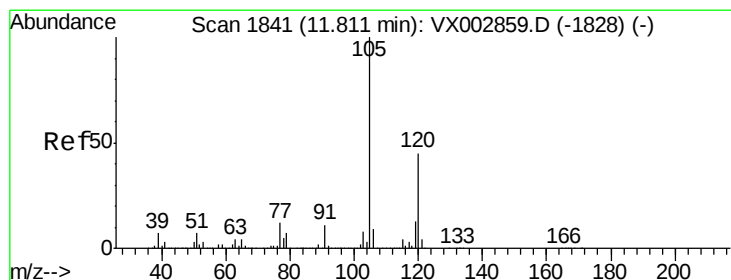
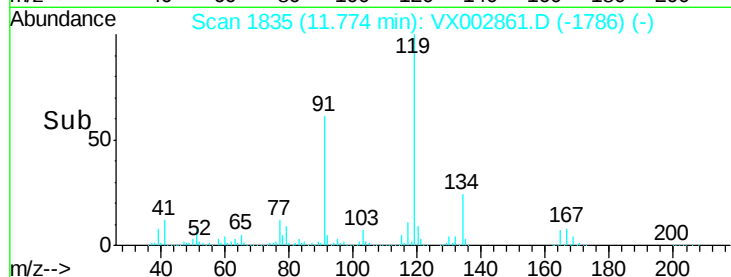
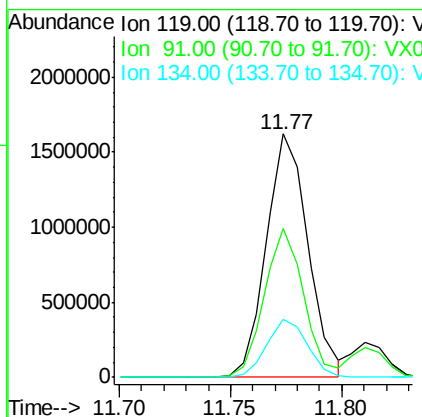
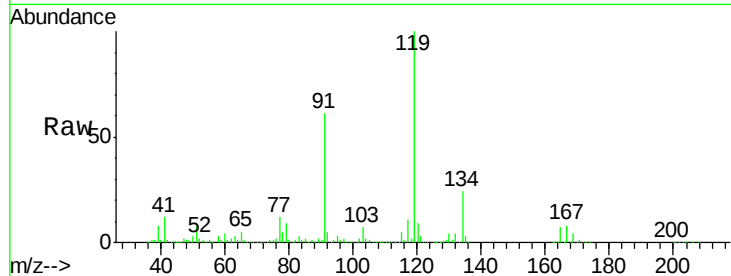
#83
tert-Butylbenzene
Concen: 160.73 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2106774
Ion Ratio Lower Upper
119 100
91 57.8 30.3 90.9
134 23.3 11.7 35.1

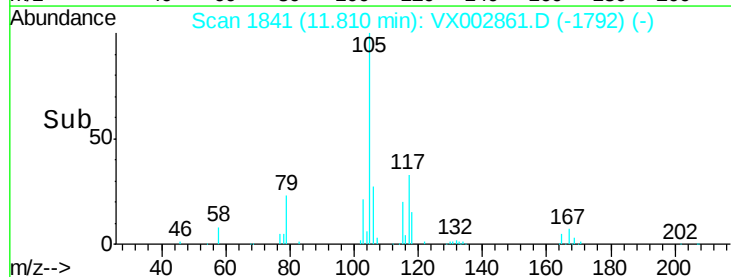
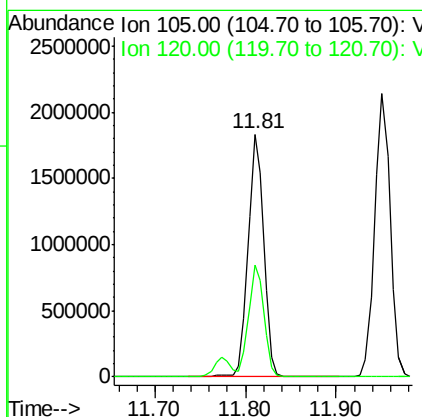
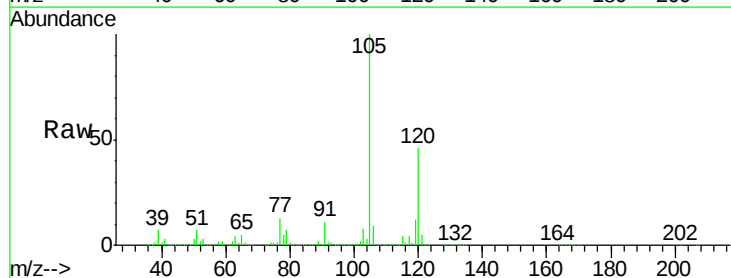
Manual Integrations
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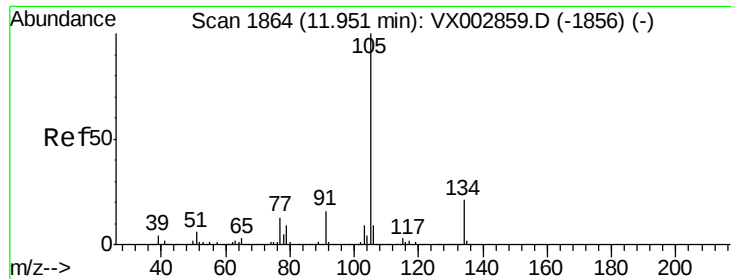
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#84
1,2,4-Trimethylbenzene
Concen: 157.70 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion:105 Resp: 2189418
Ion Ratio Lower Upper
105 100
120 45.0 22.3 66.8





#85

sec-Butylbenzene

Concen: 155.56 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2535385

Ion Ratio Lower Upper

105 100

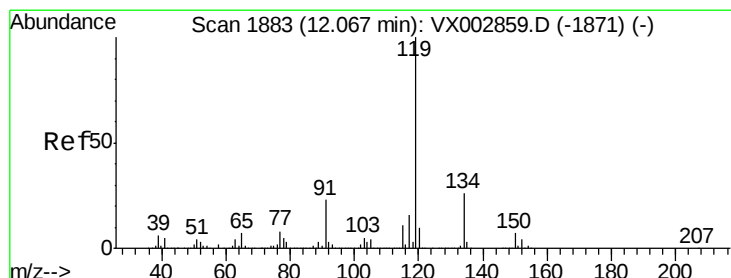
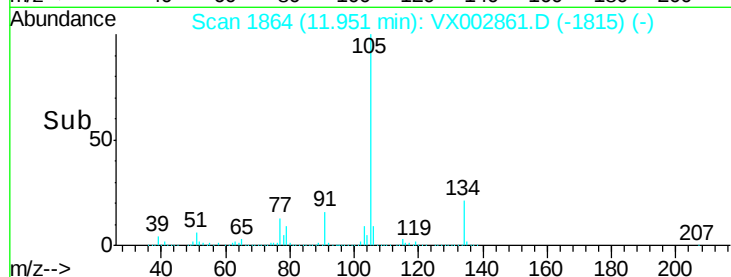
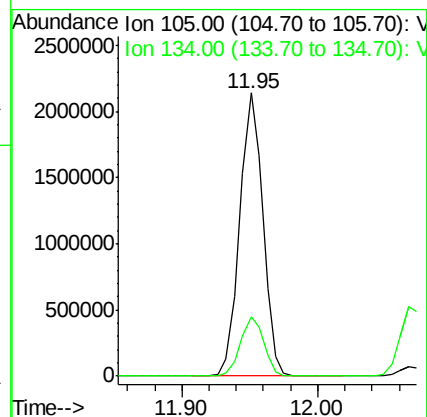
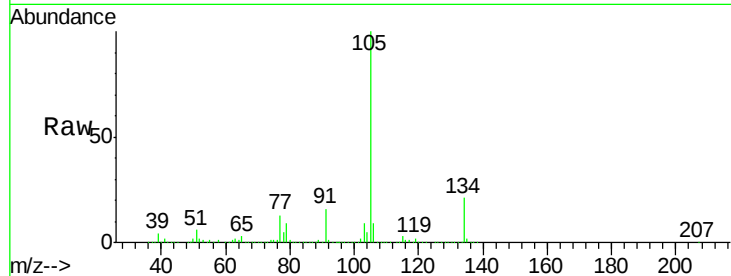
134 21.1 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 157.86 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

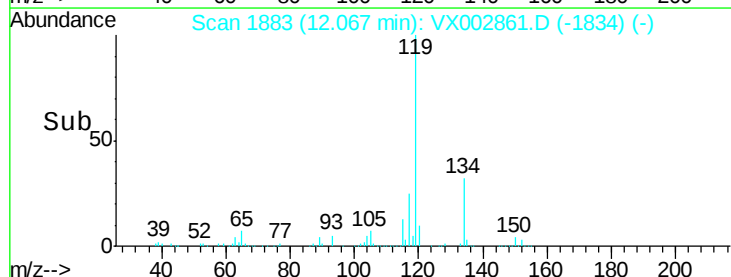
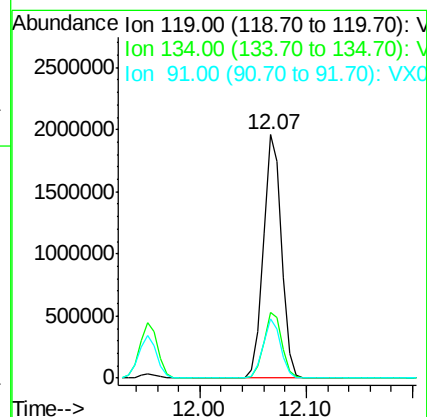
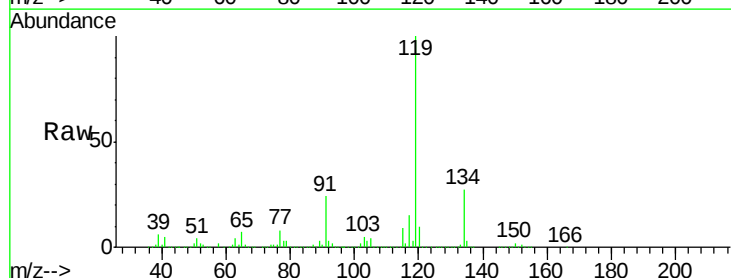
Tgt Ion:119 Resp: 2327913

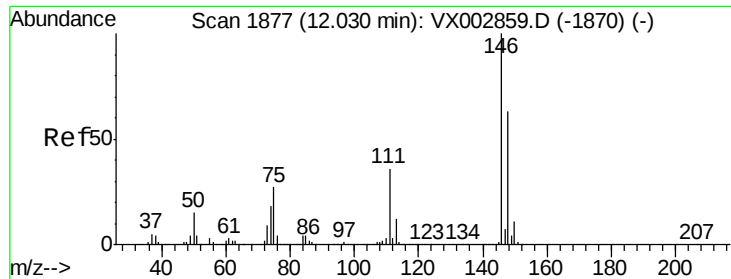
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 23.6 11.9 35.7





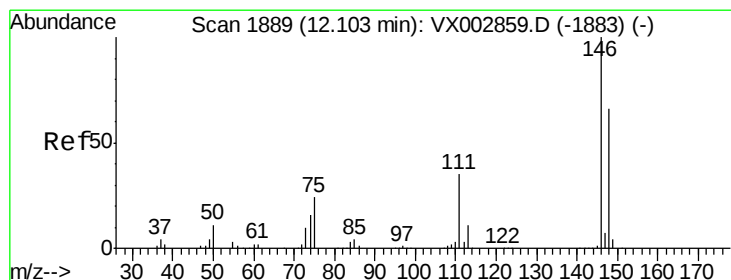
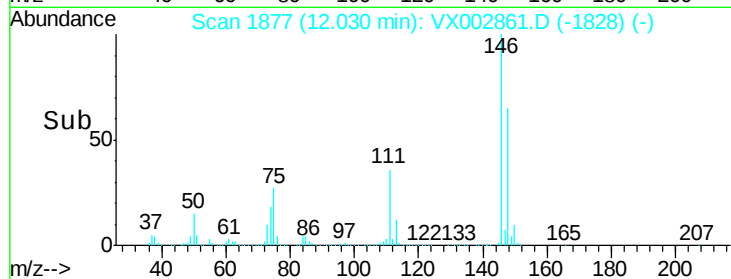
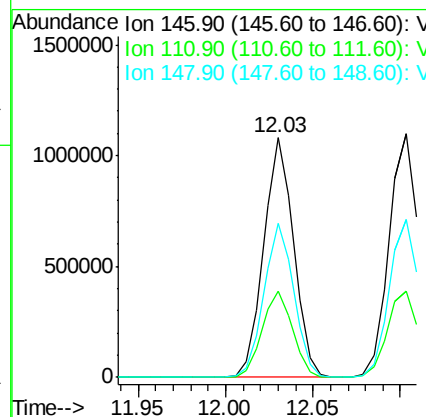
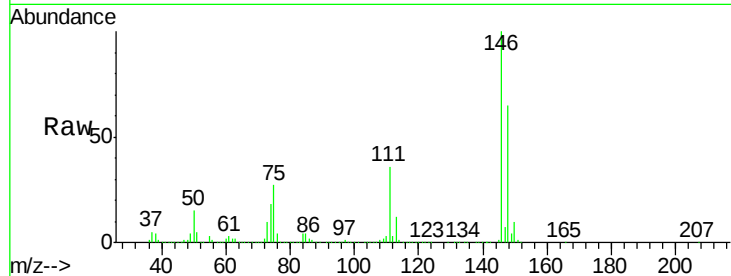
#87
 1,3-Dichlorobenzene
 Concen: 155.99 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	64.3	32.1	96.3

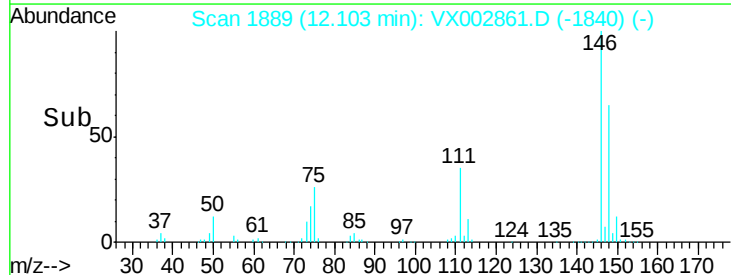
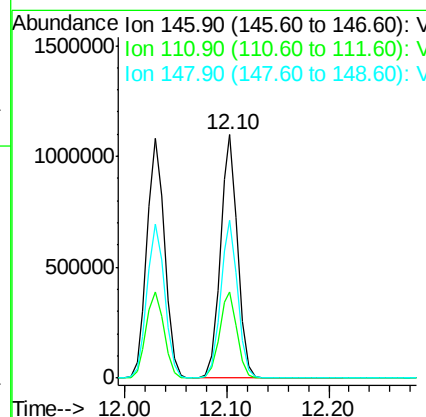
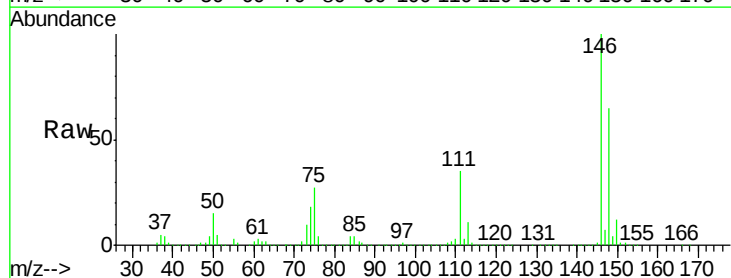
Manual Integrations
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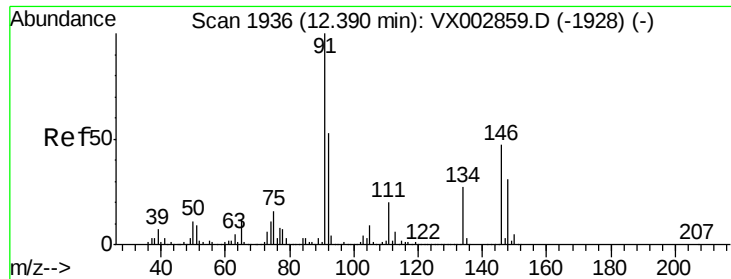
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#88
 1,4-Dichlorobenzene
 Concen: 155.32 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.7	56.1
148	64.4	32.4	97.0





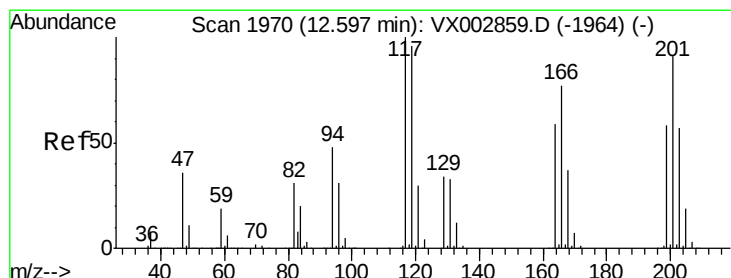
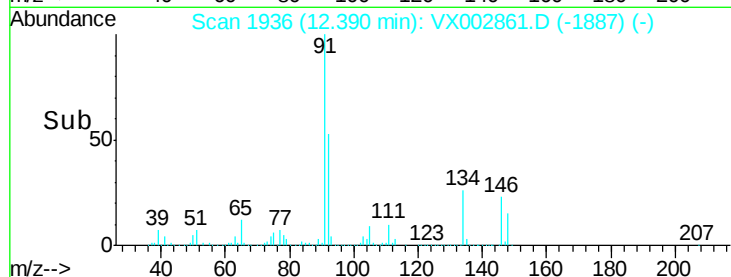
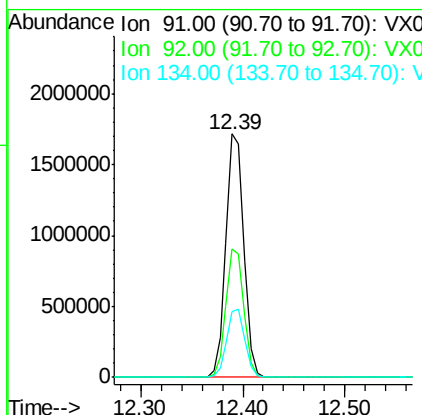
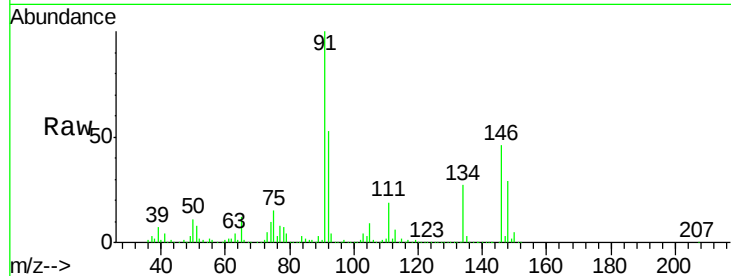
#89
n-Butylbenzene
Concen: 159.99 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2081282
Ion Ratio Lower Upper
91 100
92 52.7 26.0 78.0
134 27.9 13.5 40.5

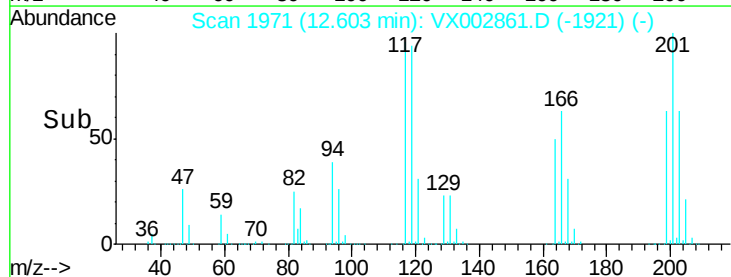
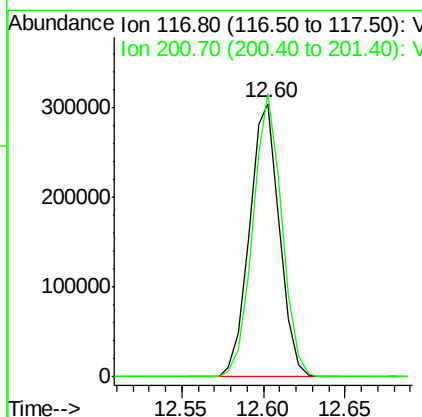
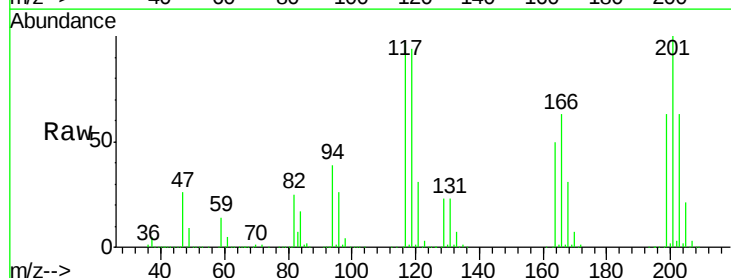
Manual Integrations
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#90
Hexachloroethane
Concen: 191.69 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002861.D
Acq: 25 Jun 2018 13:07

Tgt Ion: 117 Resp: 390150
Ion Ratio Lower Upper
117 100
201 99.8 49.0 147.0





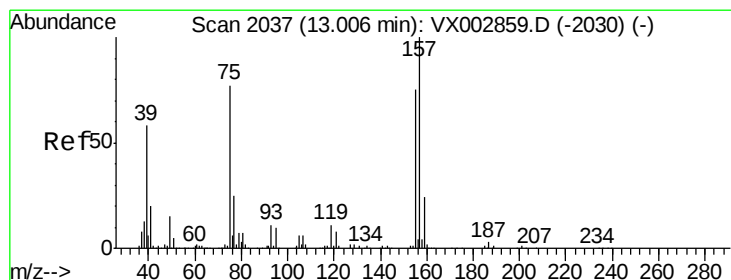
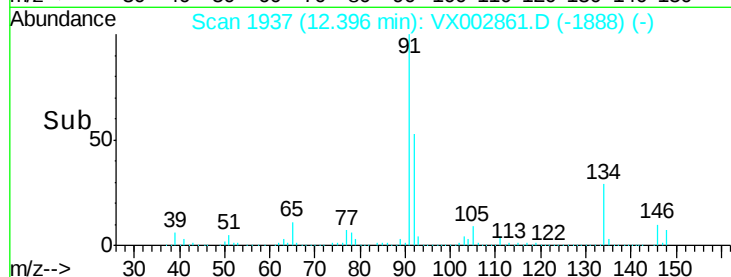
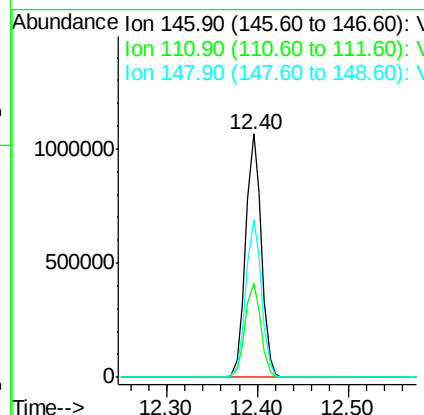
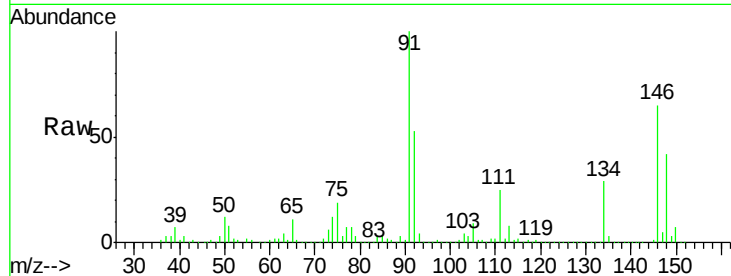
#91
 1,2-Dichlorobenzene
 Concen: 154.51 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	64.4	31.7	95.1

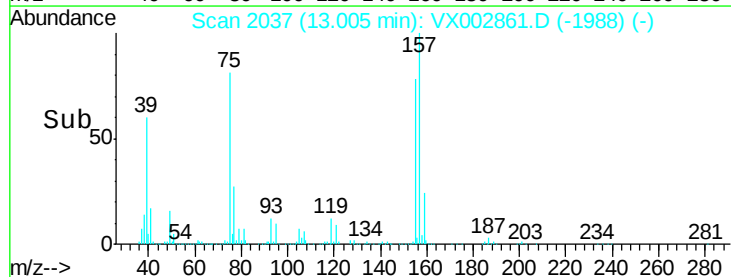
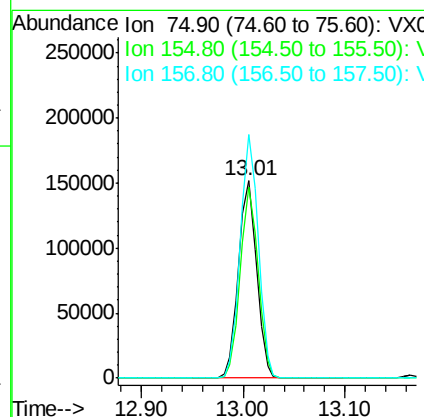
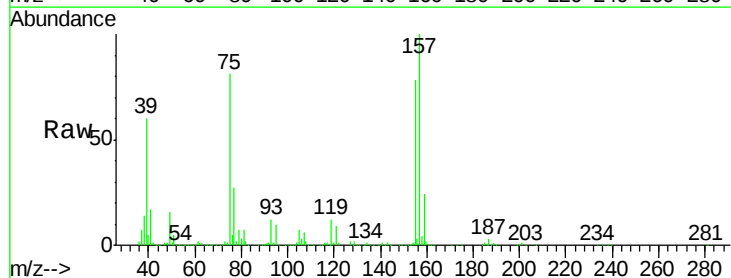
Manual Integrations
 APPROVED

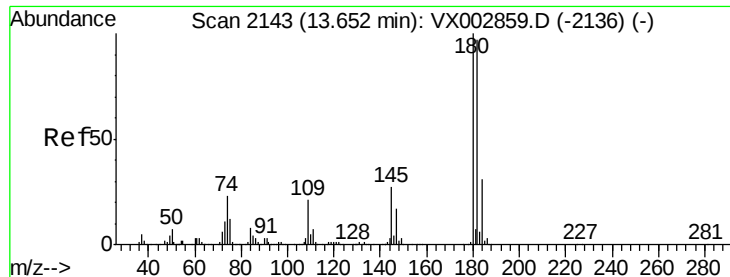
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 186.25 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	45.8	137.4
157	122.2	60.1	180.3





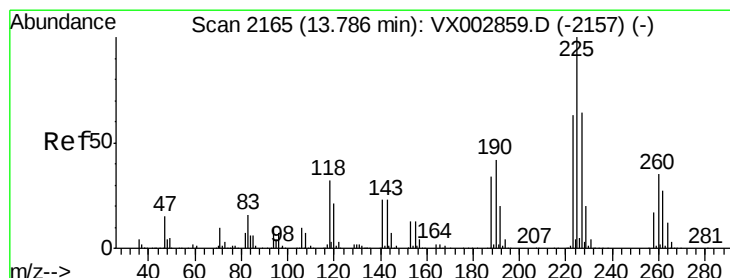
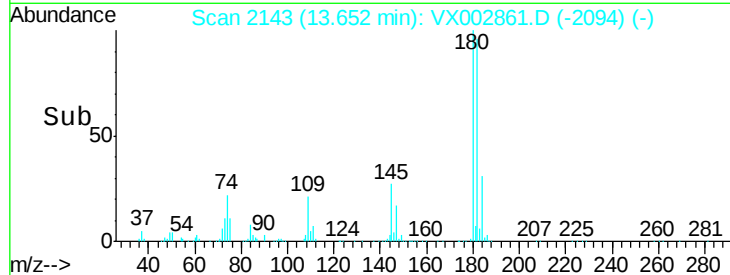
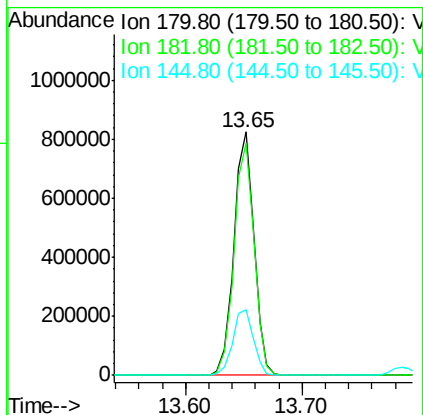
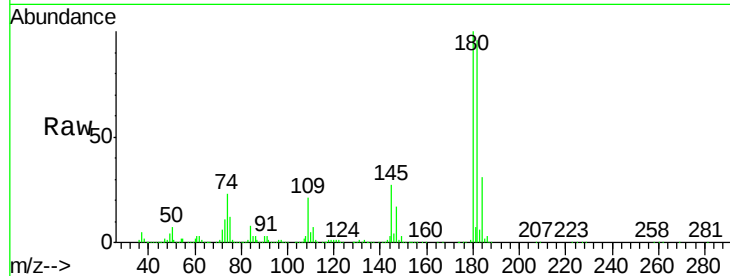
#93
 1,2,4-Trichlorobenzene
 Concen: 164.95 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	991083		
182	95.7	47.7	143.1	
145	28.0	14.1	42.4	

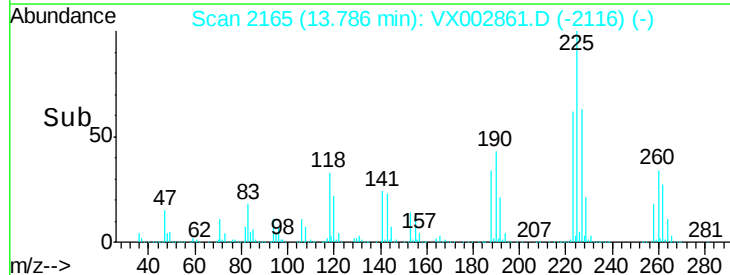
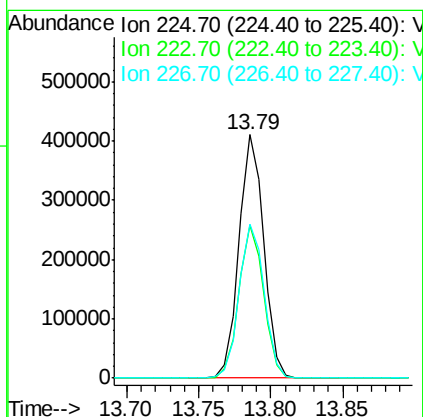
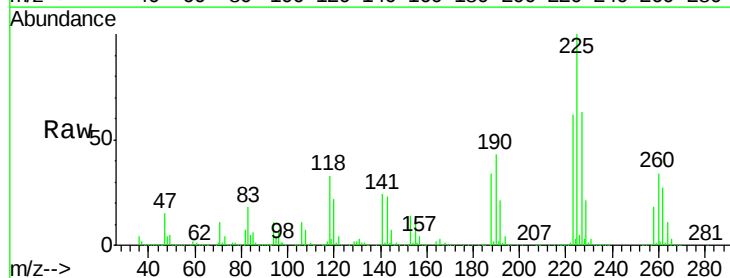
Manual Integrations
 APPROVED

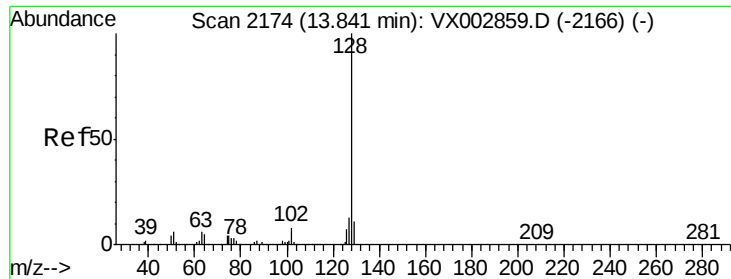
MMDadoda
 6/28/2018 2:26:27 PM



#94
 Hexachlorobutadiene
 Concen: 155.04 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002861.D
 Acq: 25 Jun 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	490720		
223	62.6	31.6	95.0	
227	64.1	32.4	97.2	





#95

Naphthalene

Concen: 166.48 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2691742

Ion Ratio Lower Upper

128 100

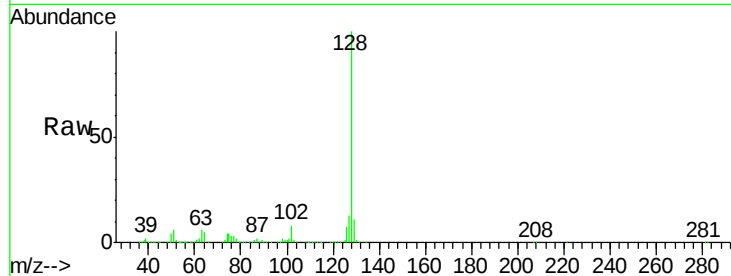
127 13.2 10.4 15.6

129 11.1 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

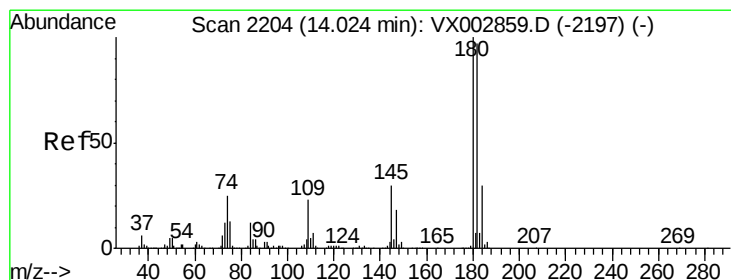
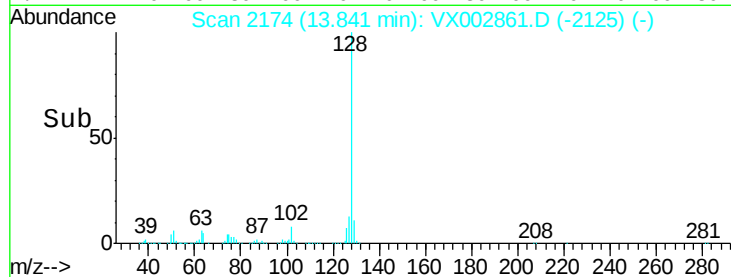
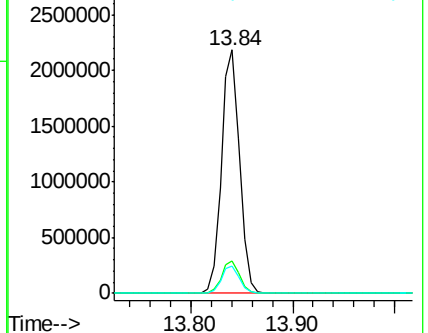
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 162.17 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002861.D

Acq: 25 Jun 2018 13:07

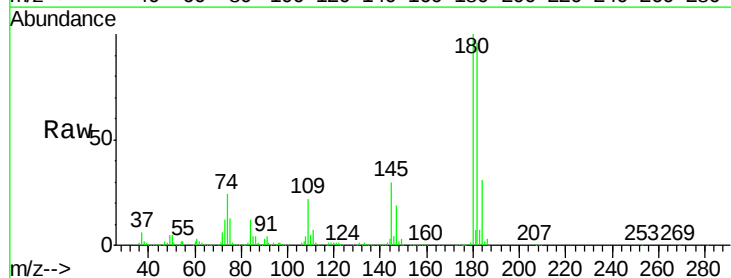
Tgt Ion:180 Resp: 978658

Ion Ratio Lower Upper

180 100

182 95.7 48.0 144.0

145 29.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

