

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002681.D
 Acq On : 18 Jun 2018 14:29
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:05:30 PM

Quant Time: Jun 18 15:13:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 14:58:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	44293	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	250790	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	238515	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	101572	29.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.13%
60) 4-Bromofluorobenzene	11.14	95	122050	29.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.63%
63) Toluene-d8	8.72	98	307958	28.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.57%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	301915	128.39	ug/l	100
3) Chloromethane	1.32	50	319710	114.30	ug/l	99
4) Vinyl Chloride	1.41	62	371285	133.43	ug/l	100
5) Bromomethane	1.64	94	211113	135.42	ug/l	100
6) Chloroethane	1.71	64	254504	154.61	ug/l	96
7) Trichlorofluoromethane	1.92	101	668839	157.60	ug/l	100
8) Diethyl Ether	2.19	74	244545	153.10	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	383587	167.83	ug/l	98
10) 1,1-Dichloroethene	2.37	96	339961	154.27	ug/l	99
11) Methyl Iodide	2.51	142	510056	147.33	ug/l	99
12) Methyl Acetate	2.78	43	567519	158.88	ug/l	100
13) Acrolein	2.30	56	171381	563.54	ug/l	98
14) Acrylonitrile	3.16	53	1053076	716.60	ug/l	99
15) Acetone	2.46	58	275448	703.11	ug/l	96
16) Carbon Disulfide	2.56	76	879887	139.83	ug/l	100
17) Allyl chloride	2.73	41	688788	151.44	ug/l	96
18) Methylene Chloride	2.86	84	387633	156.51	ug/l	98
19) trans-1,2-Dichloroethene	3.16	96	367084	157.55	ug/l	99
20) Diisopropyl ether	3.88	45	1276456	146.98	ug/l	97
21) 1,1-Dichloroethane	3.70	63	662592	143.34	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	401258	144.45	ug/l #	74
23) tert-Butyl Alcohol	3.10	59	448563	588.50	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	1293658	150.40	ug/l	99
25) Chloroform	5.22	83	700193	144.06	ug/l	100
26) Cyclohexane	5.57	56	584855	137.47	ug/l #	95
29) 1,1-Dichloropropene	5.80	75	506734	144.42	ug/l	98
30) 2-Butanone	4.72	43	1422148	581.07	ug/l	97
31) 2,2-Dichloropropane	4.59	77	539031	174.80	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	629258	137.31	ug/l	99
33) Carbon Tetrachloride	5.79	117	573394	137.69	ug/l	96
34) Benzene	6.15	78	1491485	140.77	ug/l	99
35) Methacrylonitrile	5.07	41	325503	120.10	ug/l	97
36) 1,2-Dichloroethane	6.20	62	580212	140.55	ug/l	99
37) Trichloroethene	7.22	130	439092	146.09	ug/l	88
38) Methylcyclohexane	7.46	83	619162	151.24	ug/l	97
39) 1,2-Dichloropropane	7.52	63	390794	136.41	ug/l	97
40) Dibromomethane	7.67	93	274298	142.71	ug/l	97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 14:58:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	543822	136.38	ug/l	98
42) Vinyl Acetate	3.83	43	5444119	703.10	ug/l	99
43) Ethyl Acetate	4.87	43	567846	118.20	ug/l	98
44) Isopropyl Acetate	6.48	43	969159	121.32	ug/l	100
45) 1,4-Dioxane	7.76	88	180662	2377.28	ug/l #	85
46) Methyl methacrylate	7.79	41	496980	122.85	ug/l	96
47) n-amyl Acetate	10.90	43	985823	134.14	ug/l #	91
48) t-1,3-Dichloropropene	8.44	75	647079	144.41	ug/l	100
49) cis-1,3-Dichloropropene	9.05	75	625827	144.27	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	411201	149.02	ug/l	97
51) Ethyl methacrylate	9.19	69	649066	135.79	ug/l	96
52) 1,3-Dichloropropane	9.38	76	665482	142.98	ug/l	99
53) Dibromochloromethane	9.59	129	478126	141.84	ug/l	100
54) 1,2-Dibromoethane	9.68	107	438632	146.83	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	1519378	677.22	ug/l	99
56) Bromoform	10.86	173	408417	137.78	ug/l	100
58) 4-Methyl-2-Pentanone	8.66	43	3130163	603.06	ug/l	98
59) 2-Hexanone	9.51	43	2396388	594.97	ug/l	99
61) Tetrachloroethene	9.34	164	481391	132.33	ug/l	99
62) Toluene	8.79	91	1726660	141.75	ug/l	98
64) Chlorobenzene	10.14	112	1153805	146.35	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	447170	139.38	ug/l	100
66) Ethyl Benzene	10.26	91	1984363	144.95	ug/l	100
67) m/p-Xylenes	10.37	106	1556594	299.51	ug/l	99
68) o-Xylene	10.70	106	765427	147.05	ug/l	97
69) Styrene	10.72	104	1316428	150.65	ug/l	99
70) Isopropylbenzene	11.02	105	2120227	152.16	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	637852	146.05	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	531149m	129.12	ug/l	
73) Bromobenzene	11.26	156	587881	157.07	ug/l	93
74) n-propylbenzene	11.37	91	2438532	156.78	ug/l	98
75) 2-Chlorotoluene	11.43	91	1418206	147.84	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	1821463	153.74	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	201987	135.53	ug/l	93
78) 4-Chlorotoluene	11.51	91	1718606	157.53	ug/l	98
79) tert-butylbenzene	12.07	119	2016911	162.36	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	1842425	153.83	ug/l	99
81) sec-Butylbenzene	11.95	105	2206862	158.92	ug/l	99
82) p-Isopropyltoluene	12.07	119	2016911	162.36	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	1091273	164.55	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	1104013	167.25	ug/l	99
85) n-Butylbenzene	12.39	91	1823176	175.00	ug/l	99
86) Hexachloroethane	12.60	117	339597	137.37	ug/l	95
87) 1,2-Dichlorobenzene	12.40	146	1101548	161.26	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	152531	119.91	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	848095	174.82	ug/l	100
90) Hexachlorobutadiene	13.79	225	434475	168.37	ug/l	99
91) Naphthalene	13.84	128	2259779	147.63	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	839958	165.78	ug/l	99

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ClientSampleId :
VSTDICC150

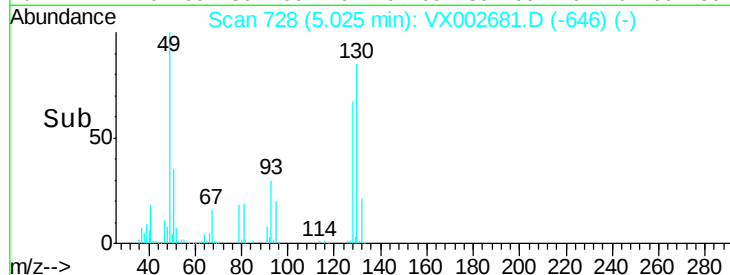
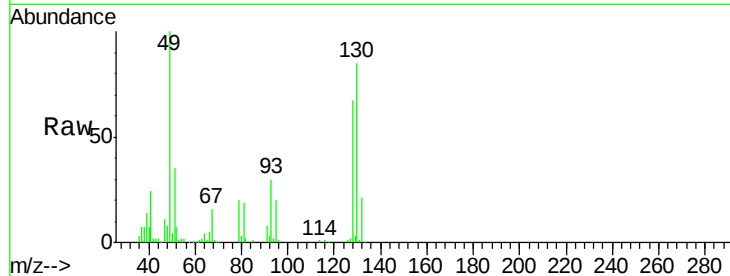
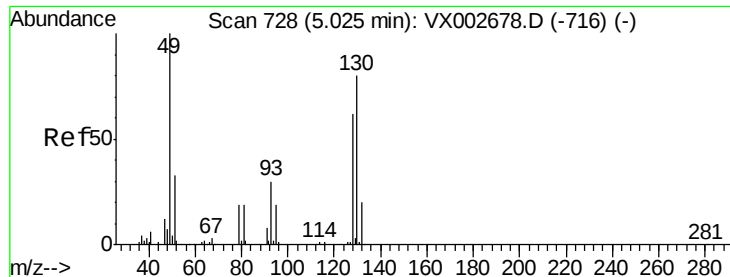
Manual Integrations
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QLast Update : Mon Jun 18 14:58:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



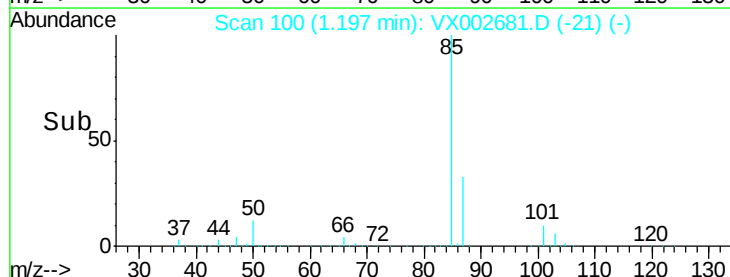
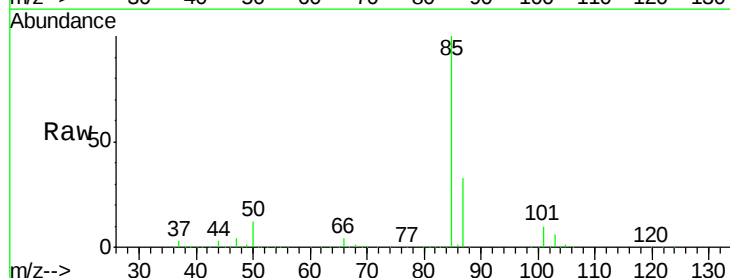
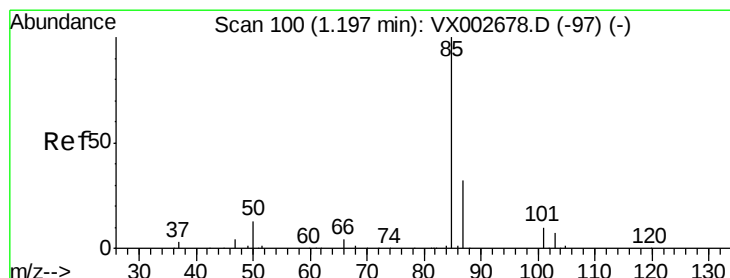
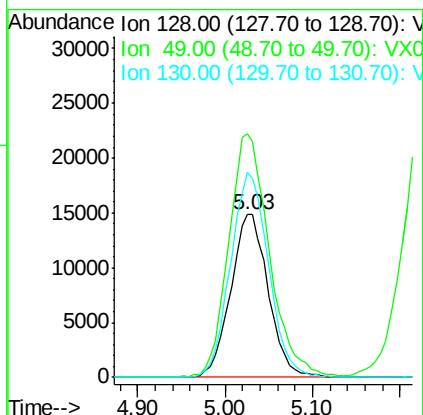
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tot Ion	Ratio	Lower	Upper
128	100		
49	162.1	0.0	423.0
130	127.4	0.0	324.3

Instrument :
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VSTDIC150

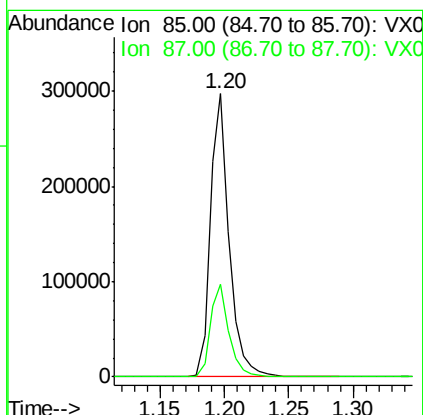
Manual Integrations
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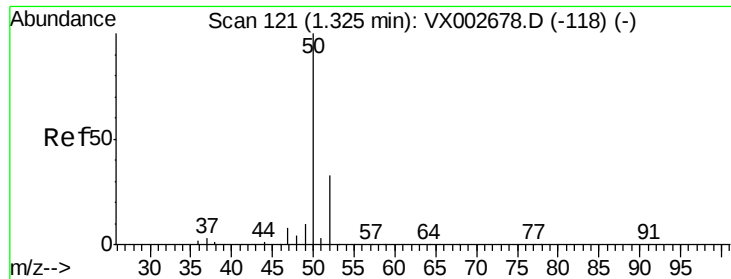
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#2
Dichlorodifluoromethane
Concen: 128.39 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.2	48.5





#3

Chloromethane

Concen: 114.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 319710

Ion Ratio Lower Upper

50 100

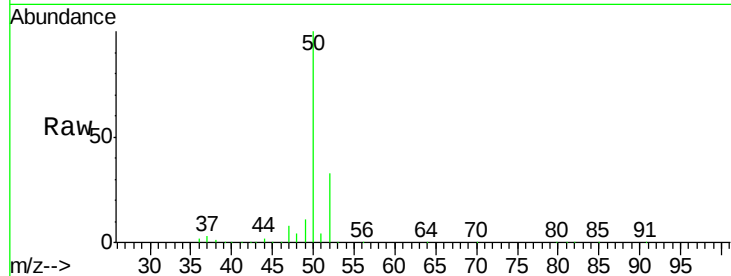
52 32.8 25.6 38.4

Manual Integrations

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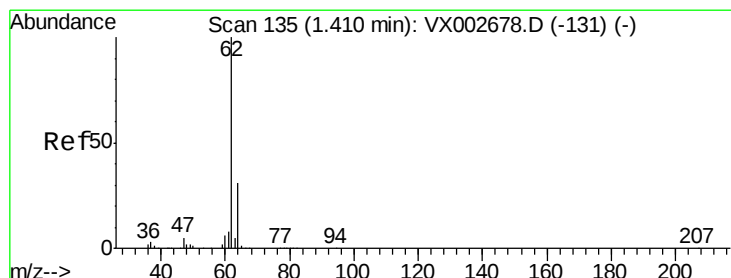
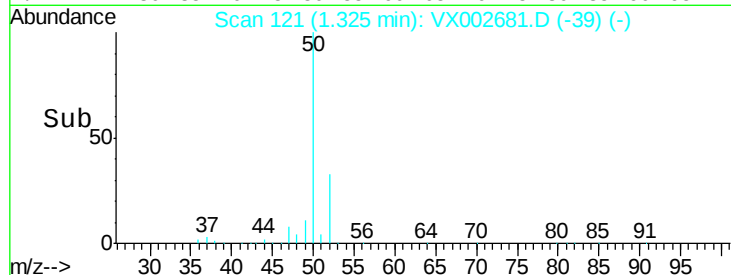
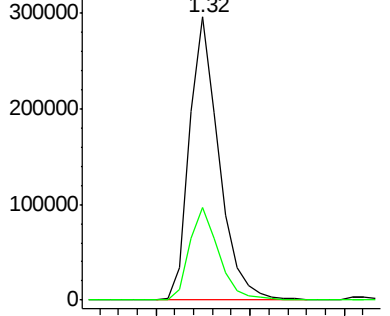
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 133.43 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX002681.D

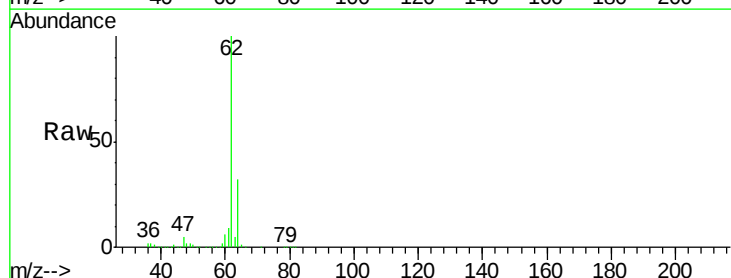
Acq: 18 Jun 2018 14:29

Tgt Ion: 62 Resp: 371285

Ion Ratio Lower Upper

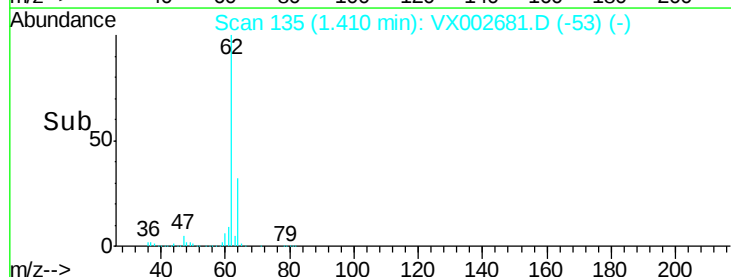
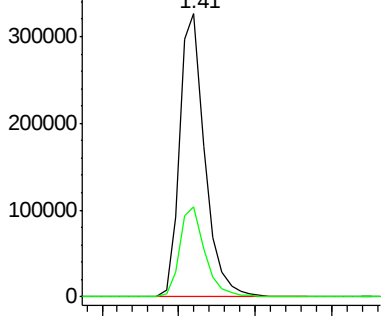
62 100

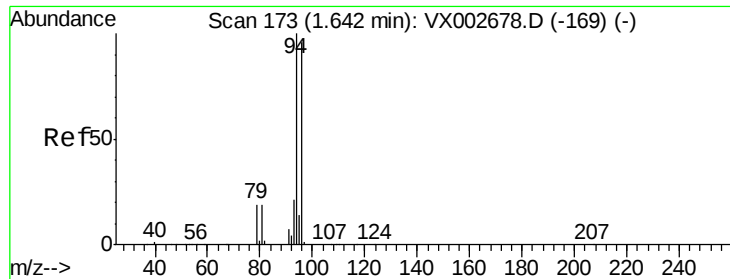
64 31.9 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 135.42 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 211113

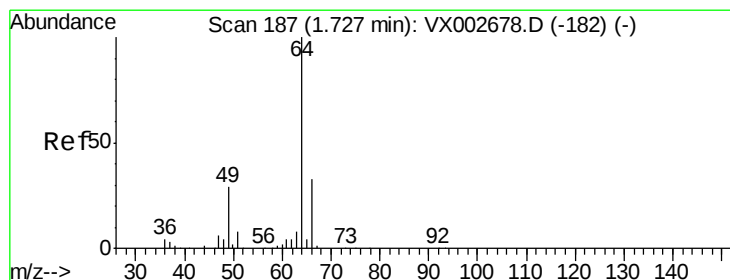
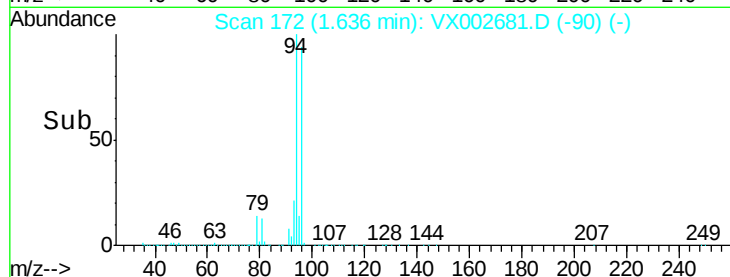
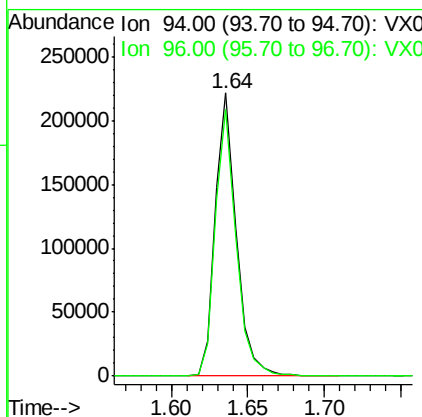
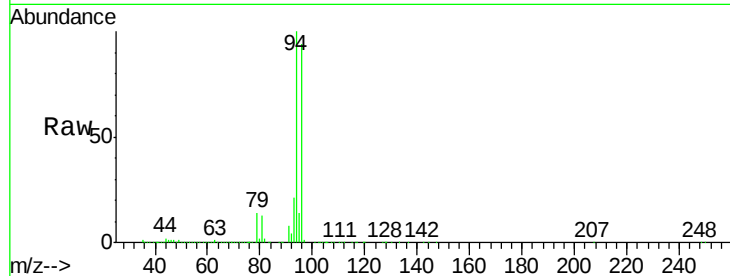
Ion Ratio Lower Upper

94 100

96 94.2 75.7 113.5

Manual Integrations
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#6

Chloroethane

Concen: 154.61 ug/l

RT: 1.71 min Scan# 184

Delta R.T. 0.00 min

Lab File: VX002681.D

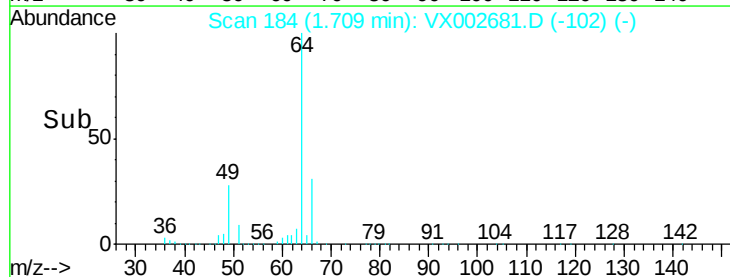
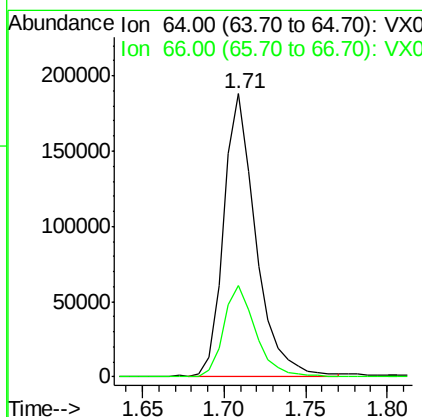
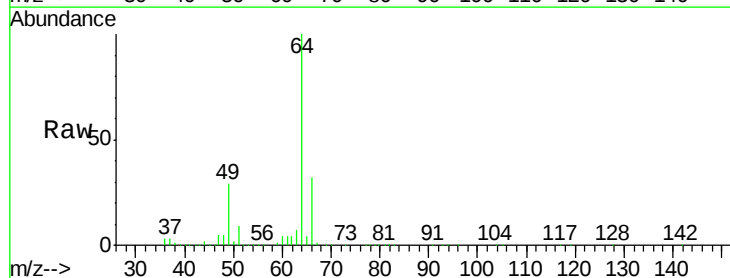
Acq: 18 Jun 2018 14:29

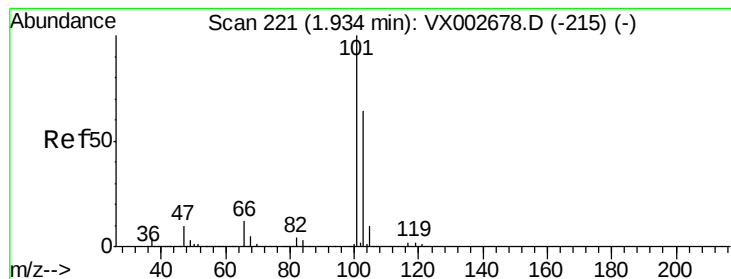
Tgt Ion: 64 Resp: 254504

Ion Ratio Lower Upper

64 100

66 32.4 24.3 36.5





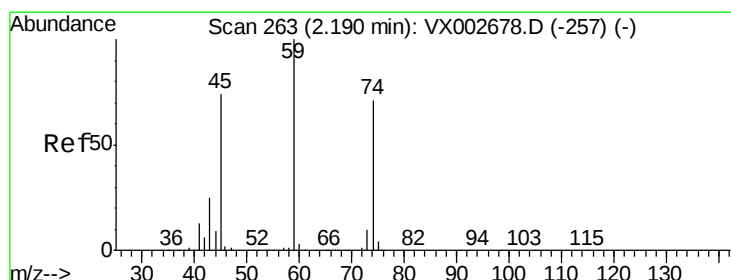
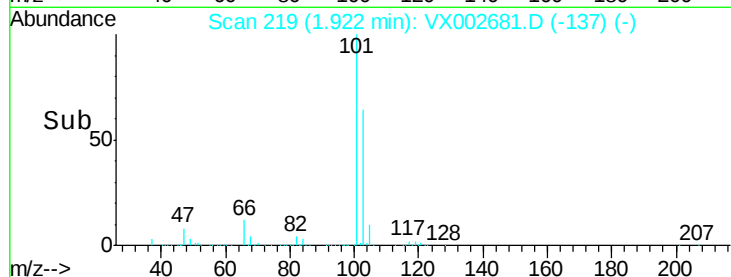
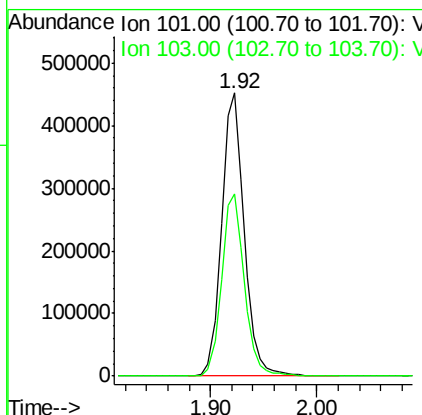
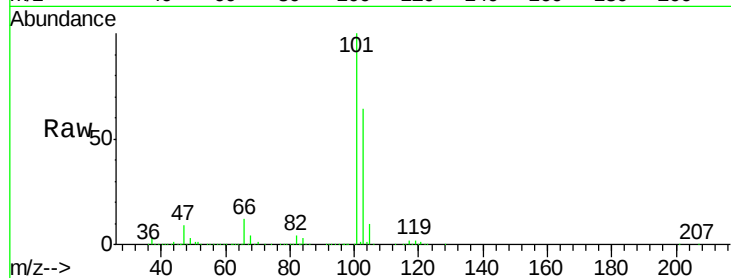
#7
 Trichlorofluoromethane
 Concen: 157.60 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		668839		
103	64.5	51.5	77.3		

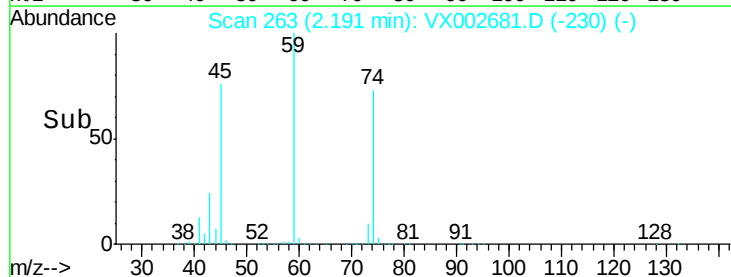
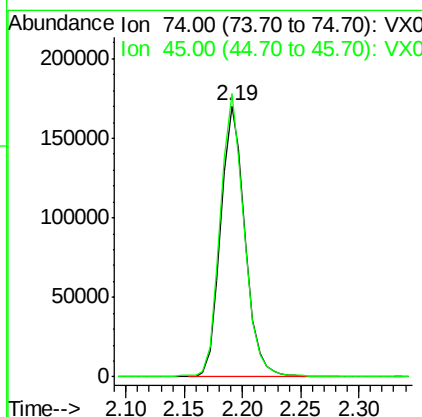
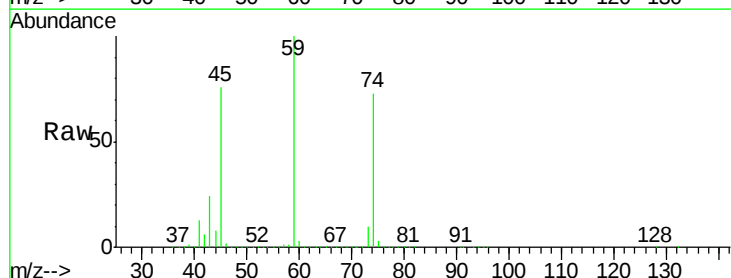
Manual Integrations
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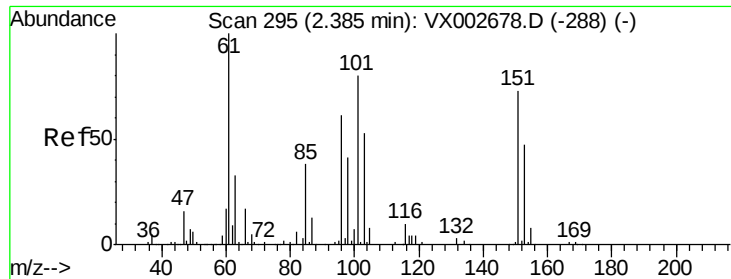
MMDadoda
 6/19/2018 1:05:30 PM



#8
 Diethyl Ether
 Concen: 153.10 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		244545		
45	102.9	20.5	184.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 167.83 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

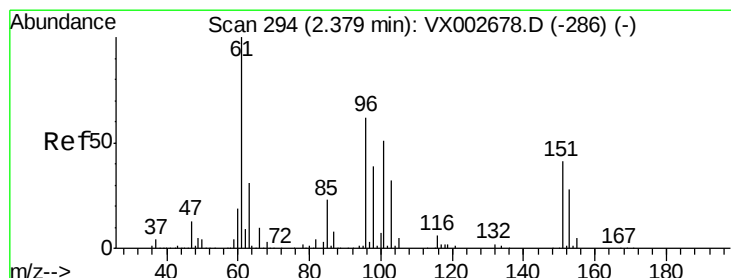
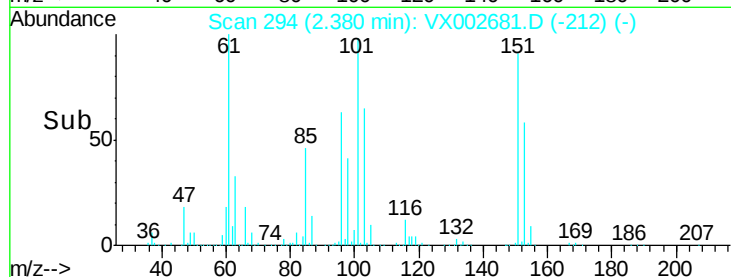
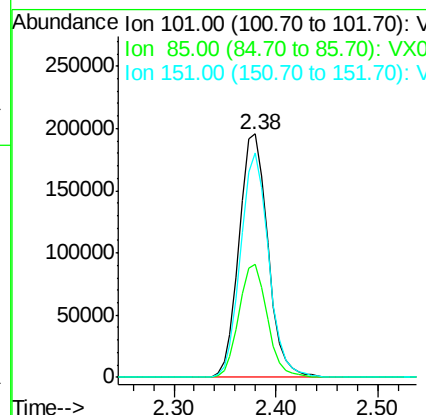
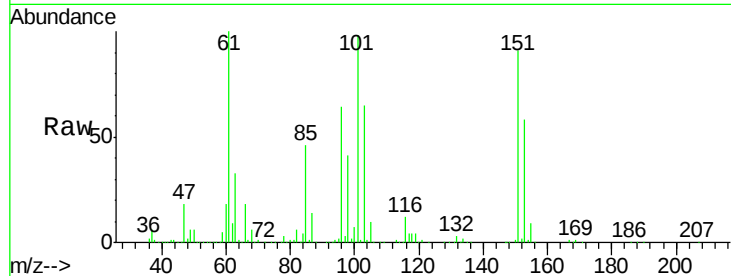
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	383587
Ion Ratio	Lower	Upper	
101	100		
85	45.7	0.0	87.0
151	89.8	0.0	177.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 154.27 ug/l

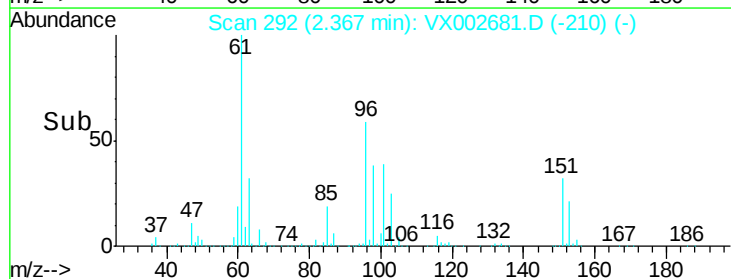
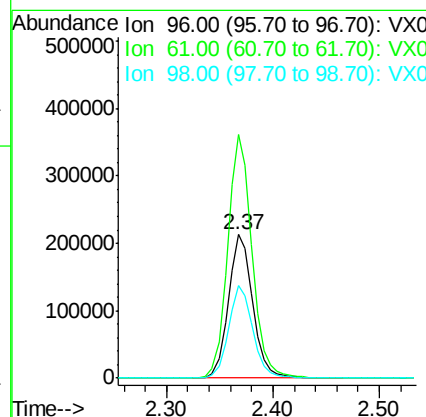
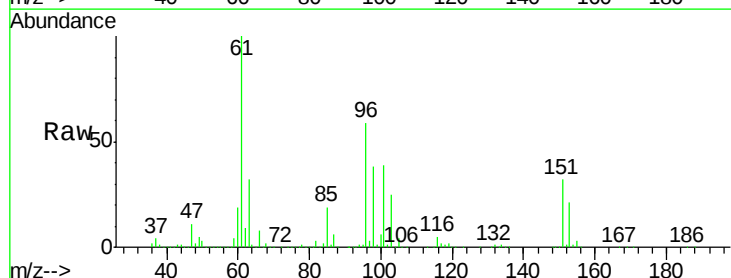
RT: 2.37 min Scan# 292

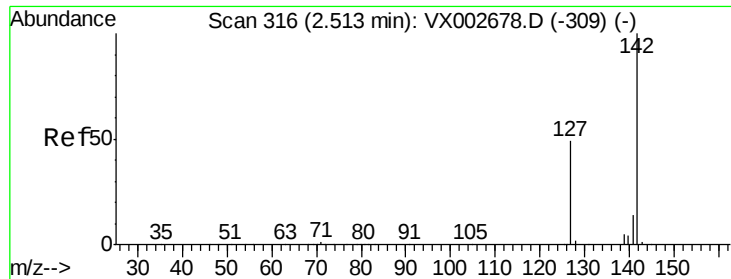
Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Tgt Ion:	96	Resp:	339961
Ion Ratio	Lower	Upper	
96	100		
61	170.0	137.5	206.3
98	64.3	51.4	77.2





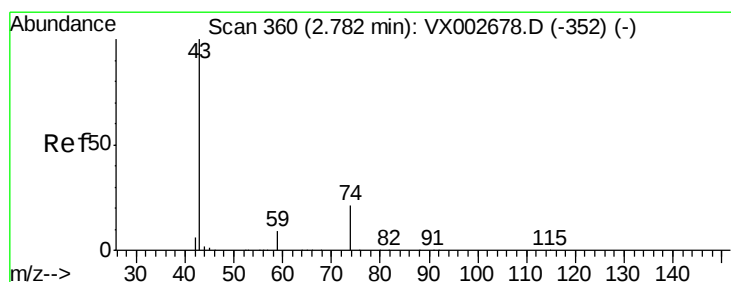
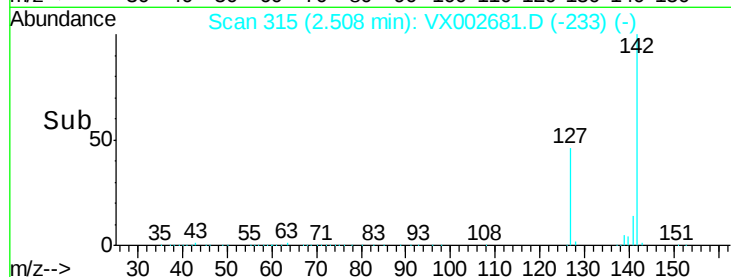
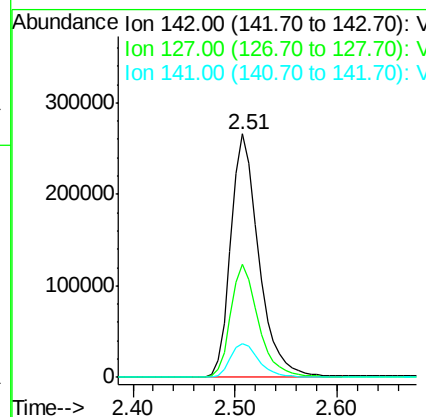
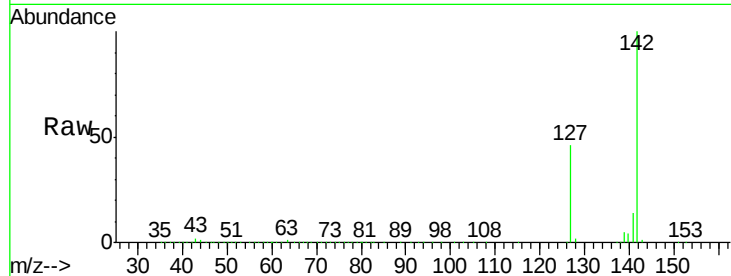
#11
Methyl Iodide
Concen: 147.33 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.2	23.2	69.6
141	14.0	7.4	22.2

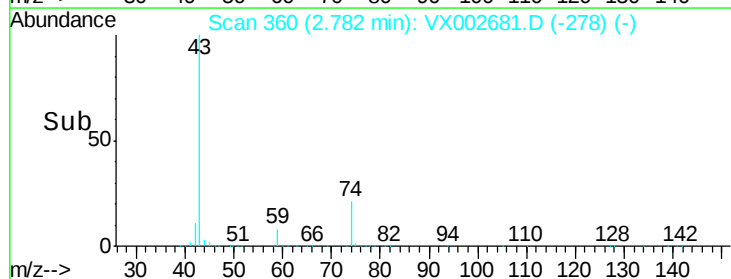
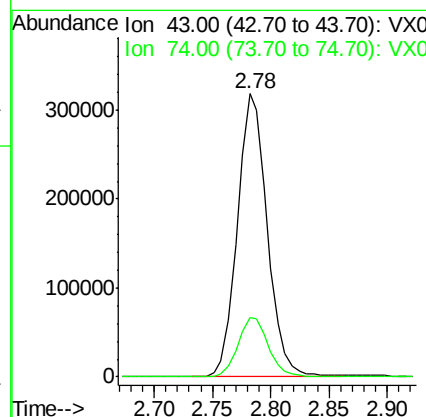
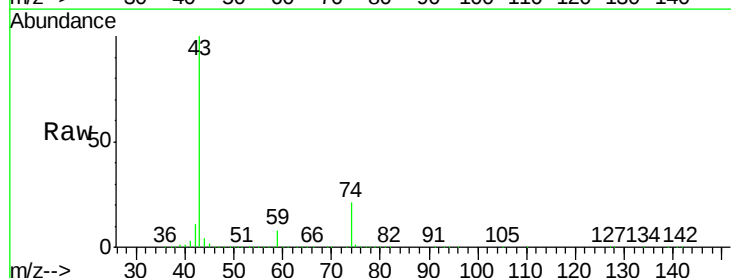
Manual Integrations
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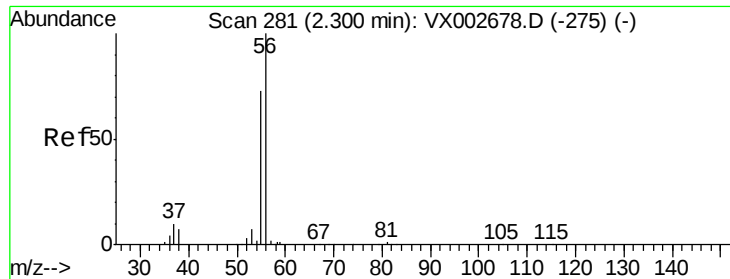
MMDadoda
6/19/2018 1:05:30 PM



#12
Methyl Acetate
Concen: 158.88 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	16.4	24.6





#13

Acrolein

Concen: 563.54 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 171381

Ion Ratio Lower Upper

56 100

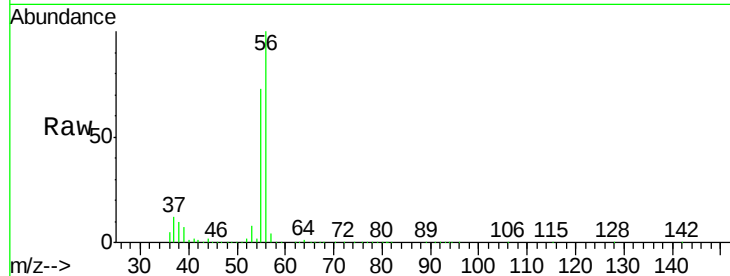
55 72.9 57.3 85.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

120000

100000

80000

60000

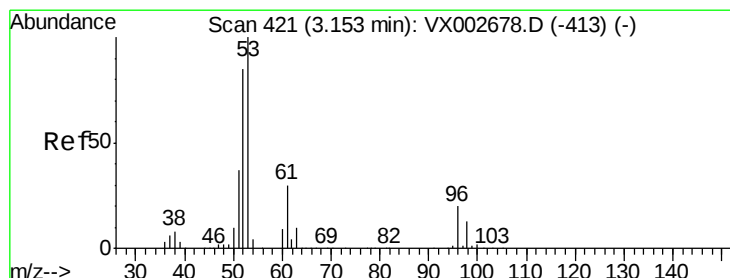
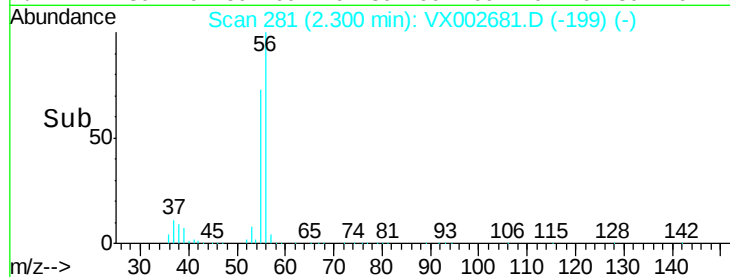
40000

20000

0

2.25 2.30 2.35 2.40

Time-->



#14

Acrylonitrile

Concen: 716.60 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

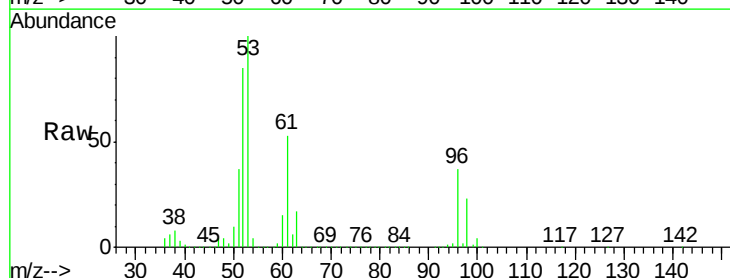
Tgt Ion: 53 Resp: 1053076

Ion Ratio Lower Upper

53 100

52 84.0 41.5 124.6

51 37.3 17.9 53.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

600000

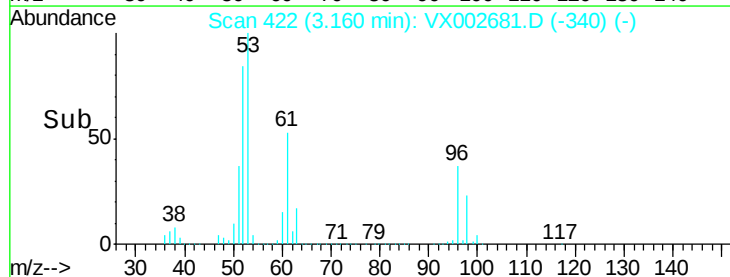
400000

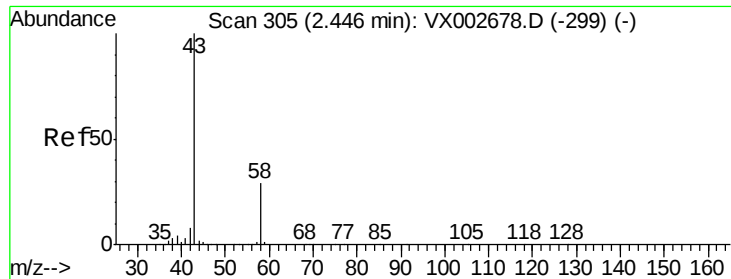
200000

0

3.10 3.16 3.20 3.30

Time-->





#15

Acetone

Concen: 703.11 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 275448

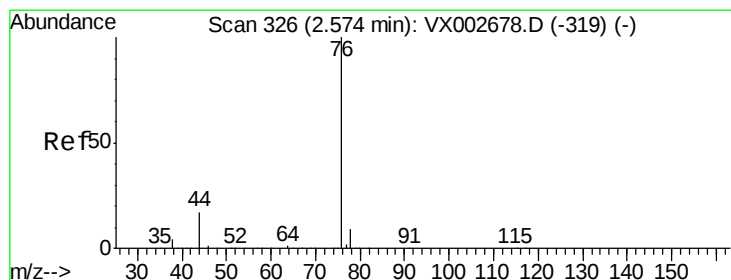
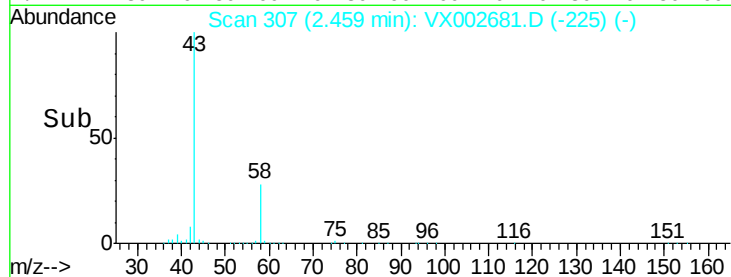
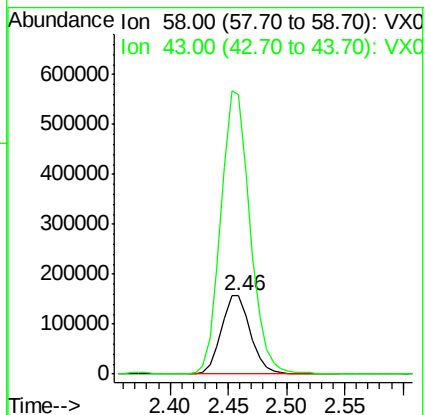
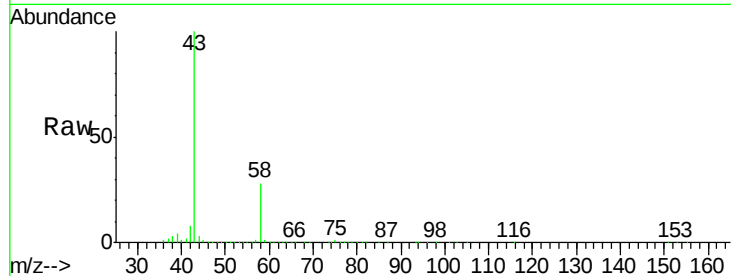
Ion Ratio Lower Upper

58 100

43 358.0 278.8 418.2

Manual Integrations
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#16

Carbon Disulfide

Concen: 139.83 ug/l

RT: 2.56 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX002681.D

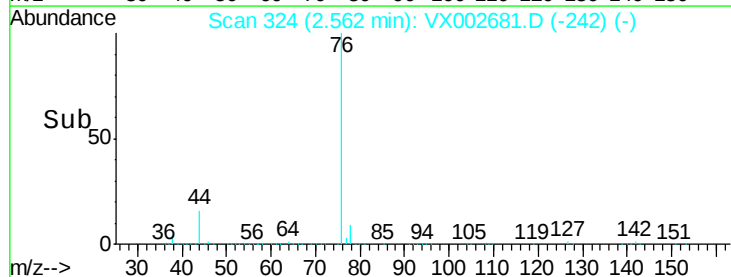
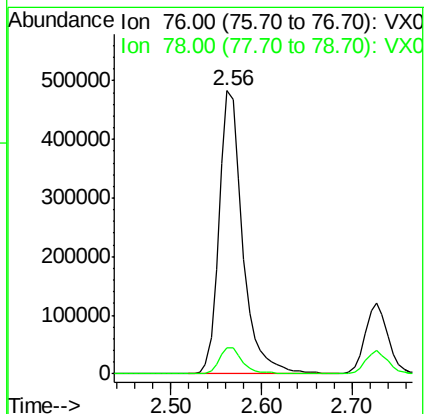
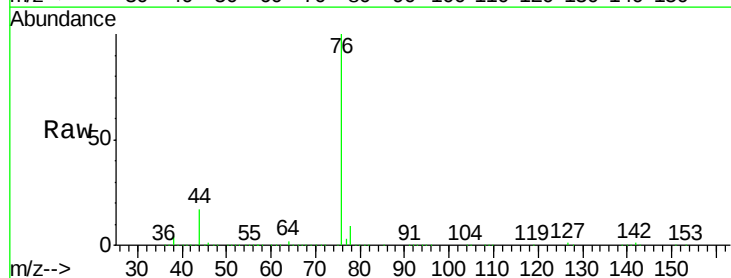
Acq: 18 Jun 2018 14:29

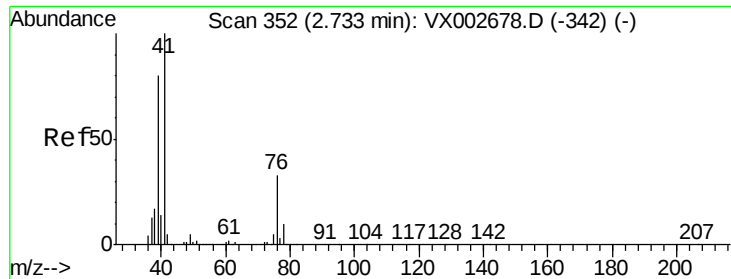
Tgt Ion: 76 Resp: 879887

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





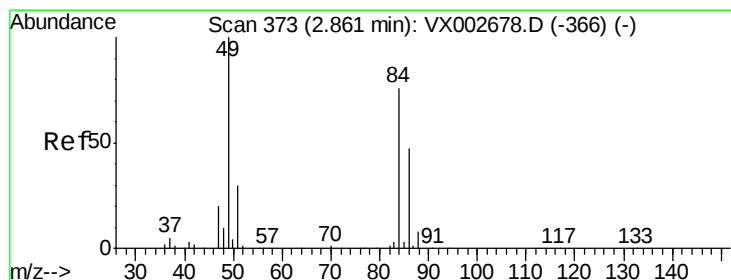
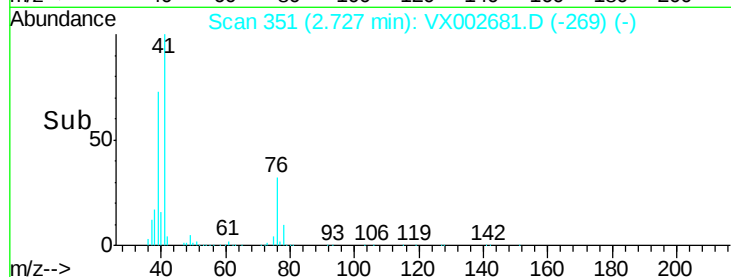
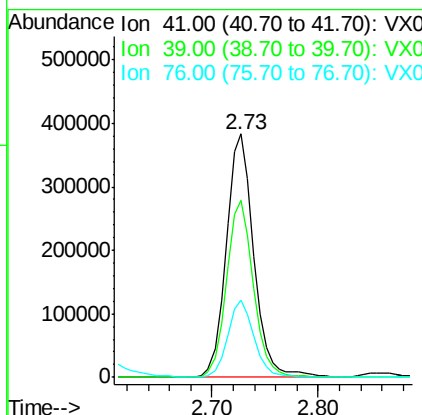
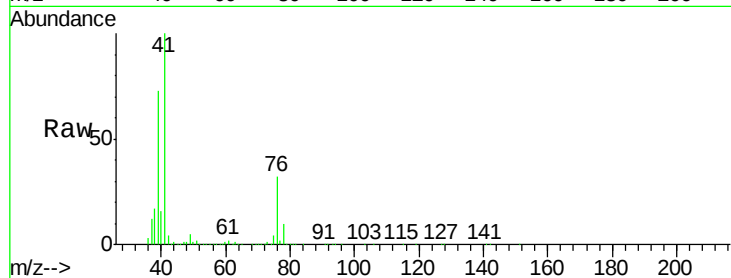
#17
Allvl chloride
Concen: 151.44 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion:	41	Resp:	688788
Ion	Ratio	Lower	Upper
41	100		
39	72.6	34.6	103.8
76	31.7	15.0	45.1

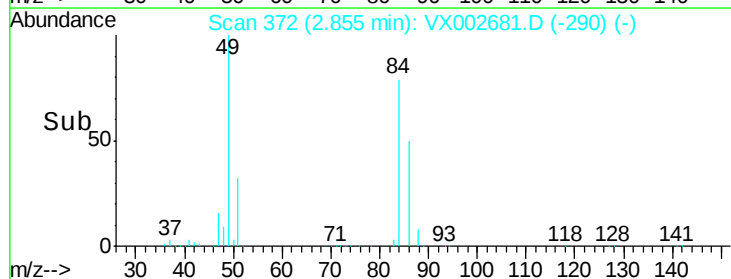
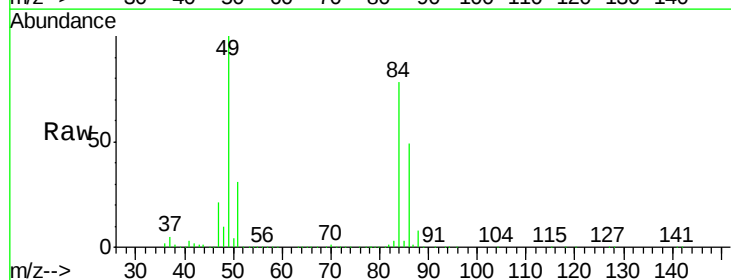
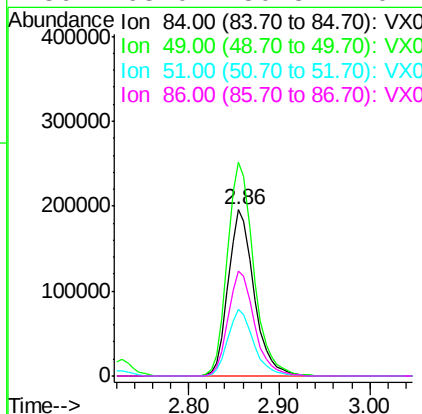
Manual Integrations
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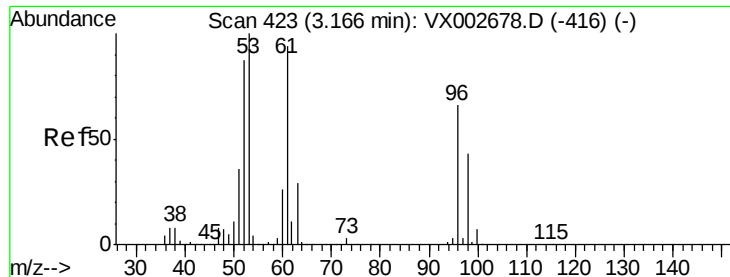
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#18
Methylene Chloride
Concen: 156.51 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion:	84	Resp:	387633
Ion	Ratio	Lower	Upper
84	100		
49	128.4	104.7	157.1
51	39.8	31.0	46.4
86	63.0	50.8	76.2





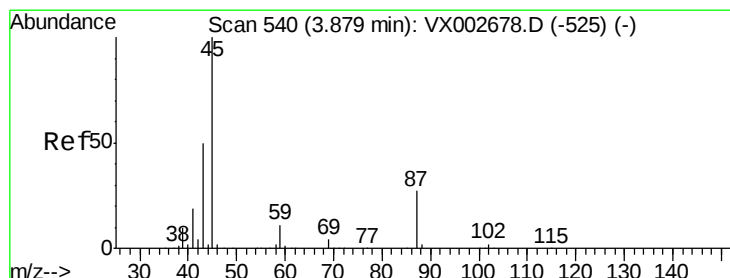
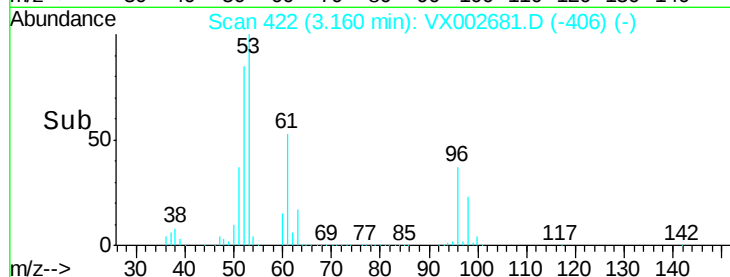
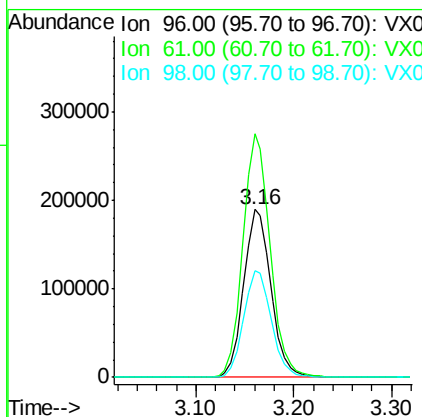
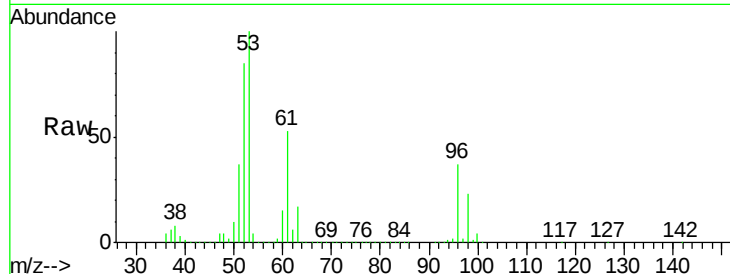
#19
trans-1,2-Dichloroethene
Concen: 157.55 ug/l
RT: 3.16 min Scan# 422
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	114.6	172.0
98	63.3	51.3	76.9

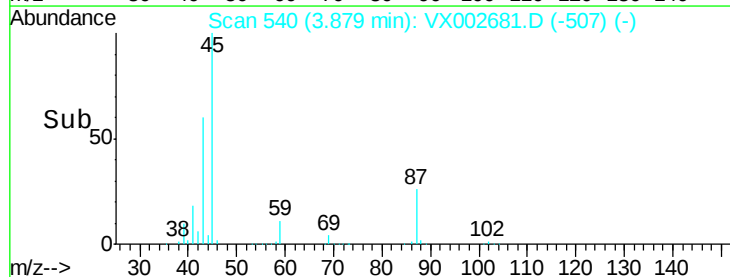
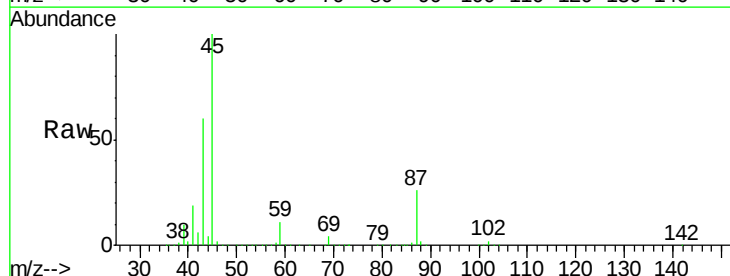
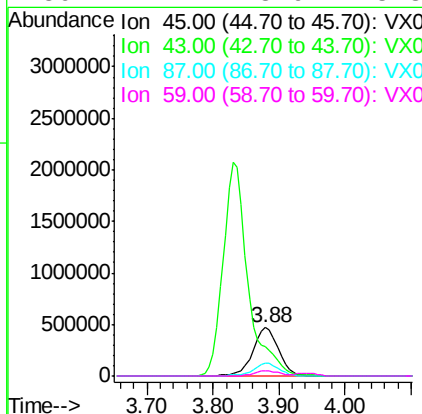
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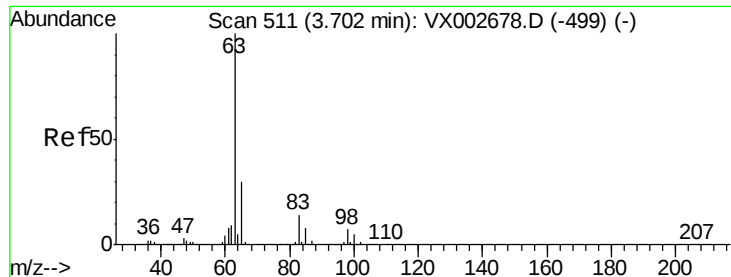
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#20
Diisopropyl ether
Concen: 146.98 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.9	45.6	68.4
87	26.3	20.7	31.1
59	11.1	8.9	13.3





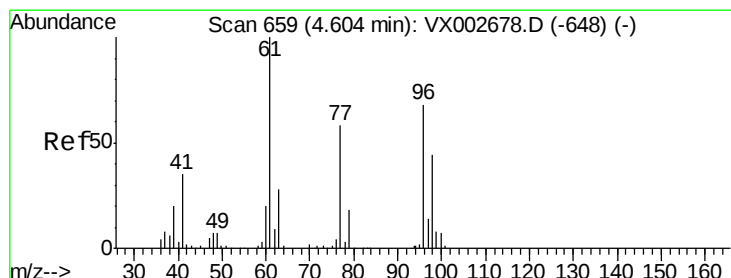
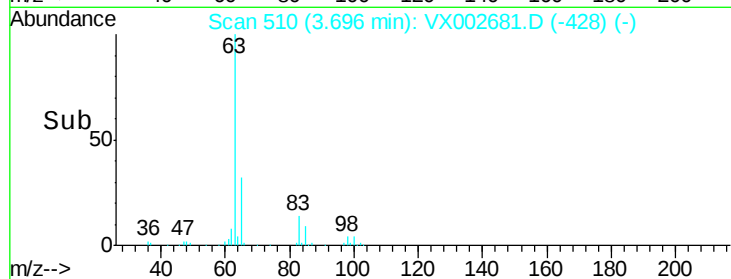
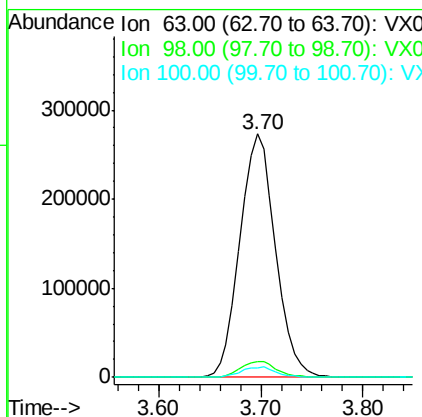
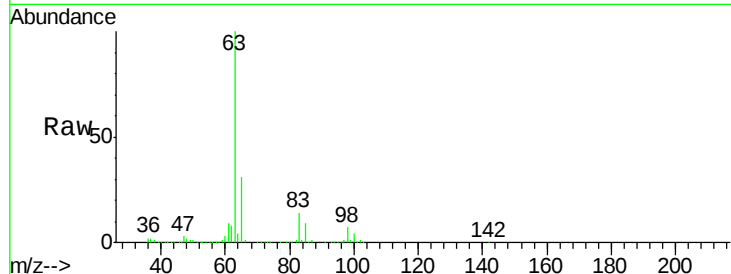
#21
 1,1-Dichloroethane
 Concen: 143.34 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.6	3.1	9.3
100	4.1	2.2	6.6

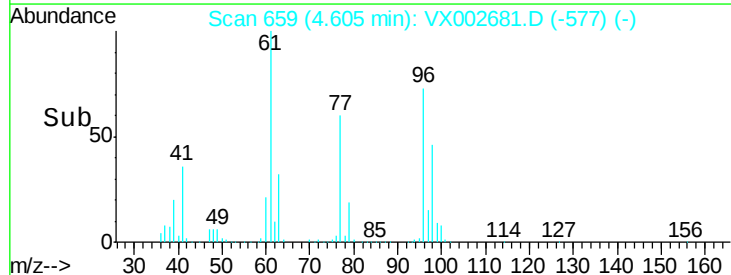
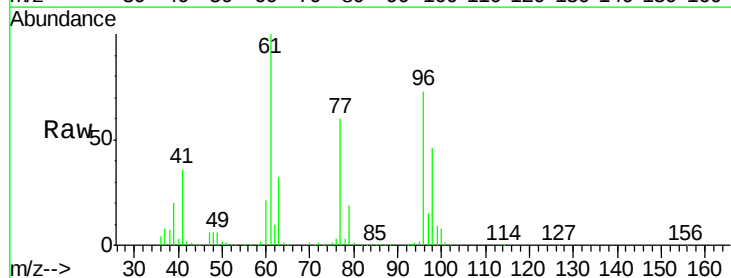
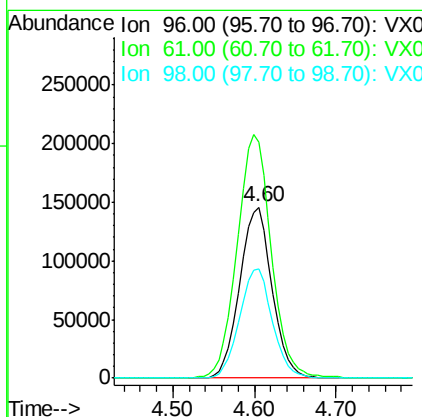
Manual Integrations
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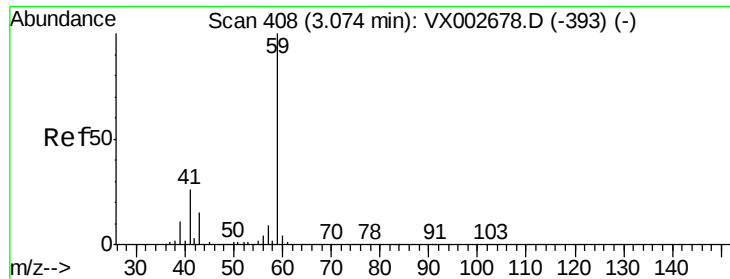
MMDadoda
 6/19/2018 1:05:30 PM



#22
 cis-1,2-Dichloroethene
 Concen: 144.45 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	150.2	160.2	240.2#
98	64.8	54.1	81.1





#23

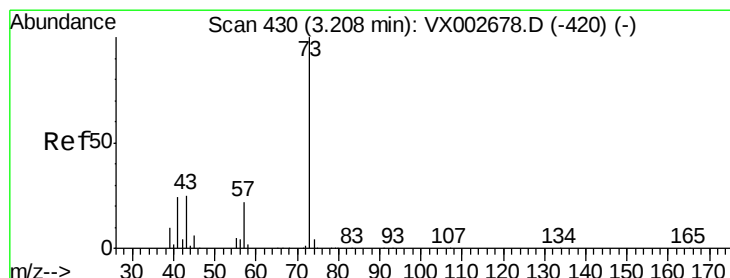
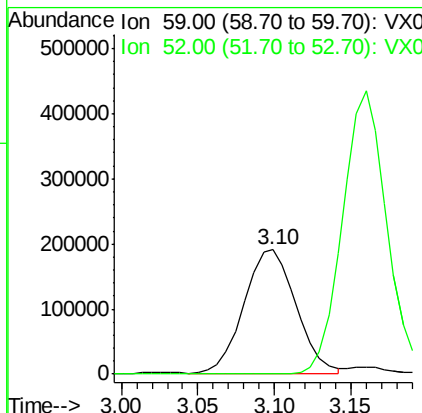
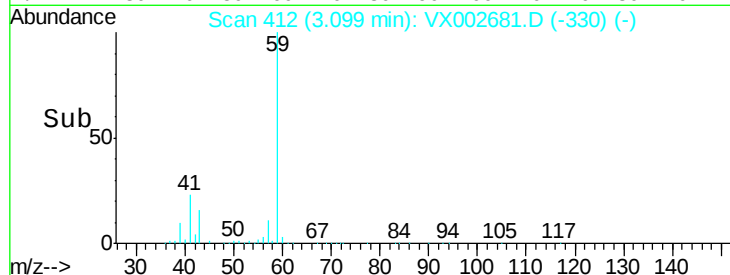
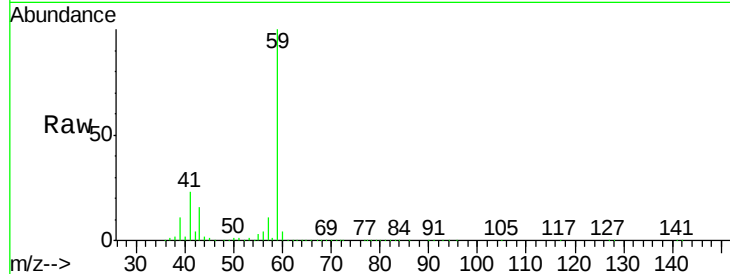
tert-Butyl Alcohol
Concen: 588.50 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 448563
Ion Ratio Lower Upper
59 100
52 0.3 0.2 0.2#

Manual Integrations
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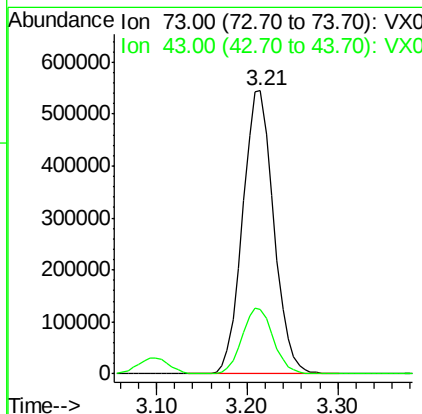
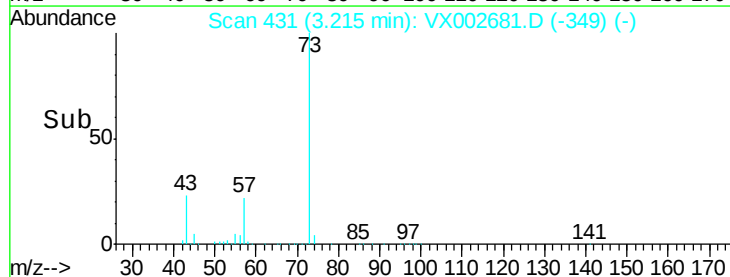
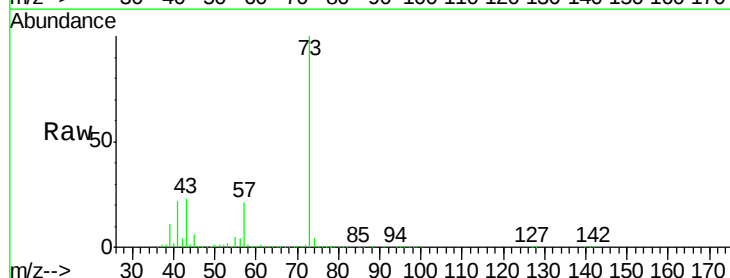
MMDadoda
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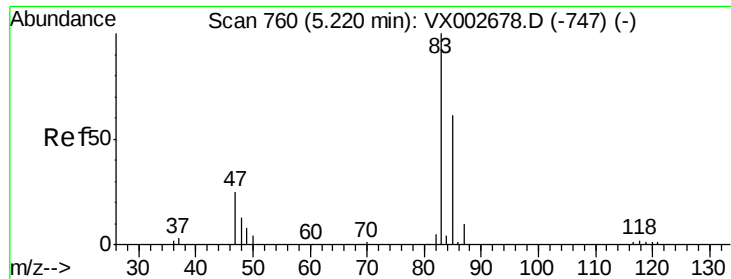


#24

Methyl tert-Butyl Ether
Concen: 150.40 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion: 73 Resp: 1293658
Ion Ratio Lower Upper
73 100
43 23.3 19.0 28.4





#25

Chloroform

Concen: 144.06 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 700193

Ion Ratio Lower Upper

83 100

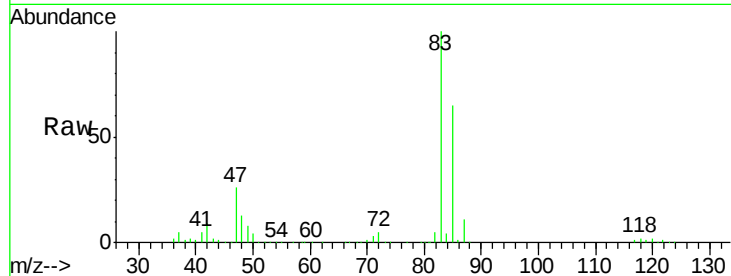
85 64.7 51.9 77.9

Manual Integrations

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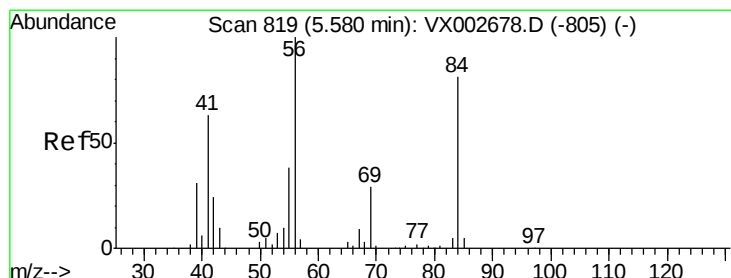
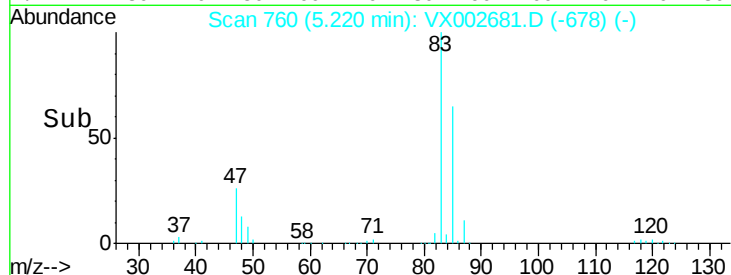
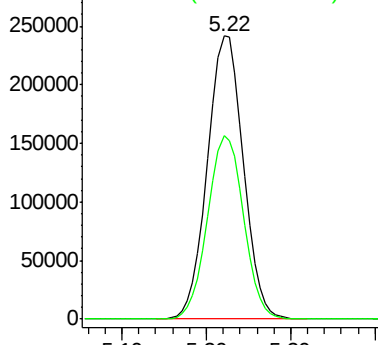
MMDadoda

6/19/2018 1:05:30 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 137.47 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

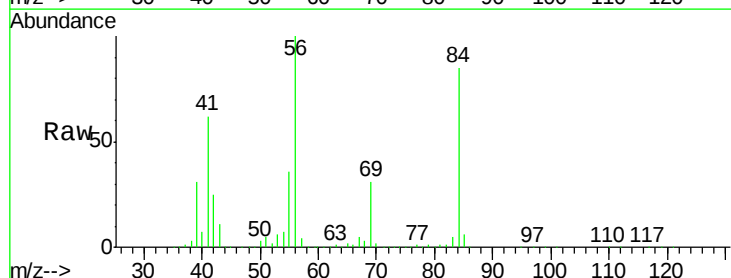
Tgt Ion: 56 Resp: 584855

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

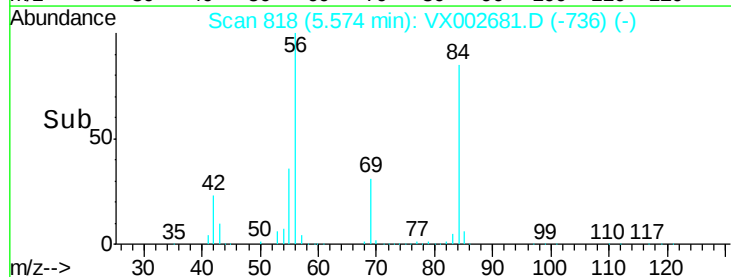
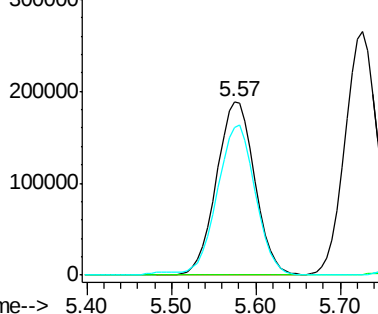
84 86.0 64.9 97.3

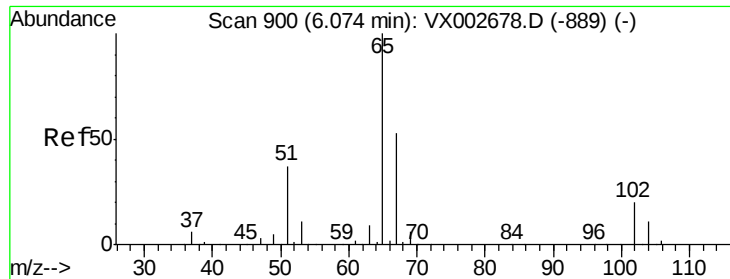


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.14 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Tot Ion: 65 Resp: 101572

Ion Ratio Lower Upper

65 100

67 52.3 40.9 61.3

Instrument :

MSVOA_X

ClientSampleId :

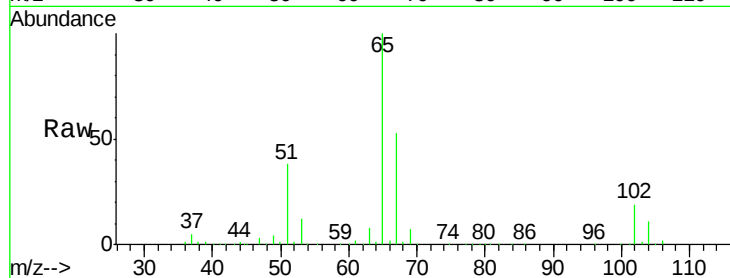
VSTDIC150

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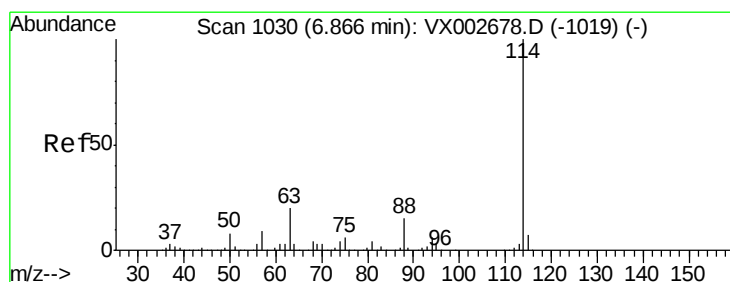
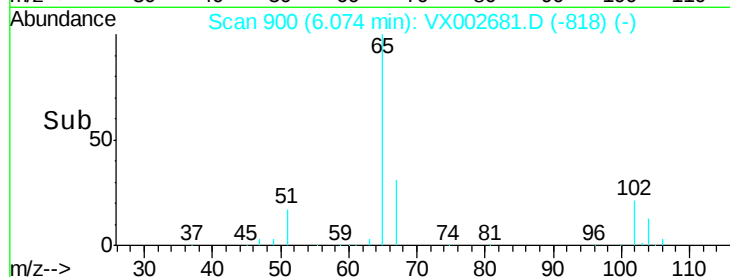
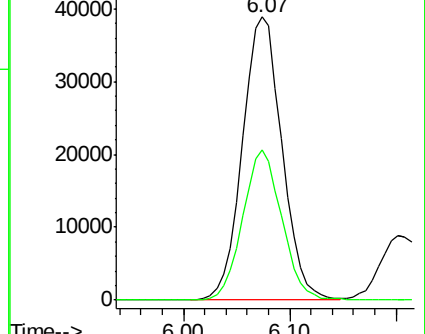
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

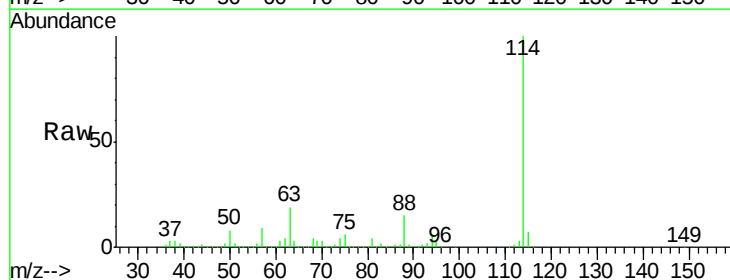
Tgt Ion: 114 Resp: 250790

Ion Ratio Lower Upper

114 100

63 19.8 17.1 25.7

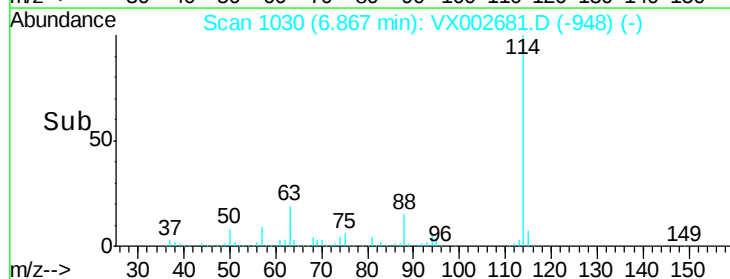
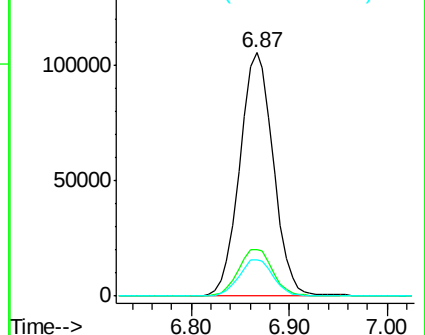
88 15.2 12.6 19.0

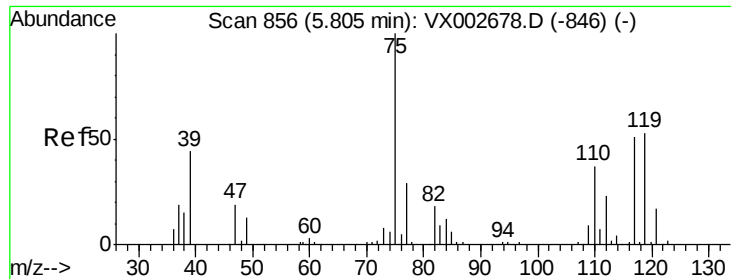


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





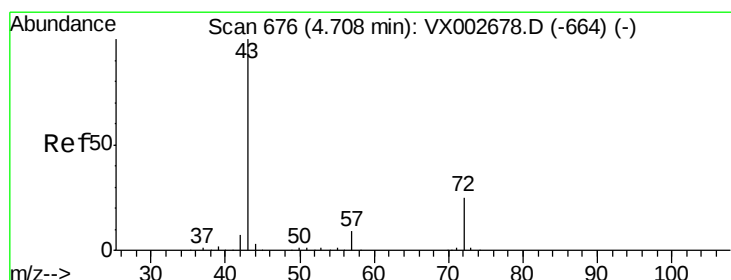
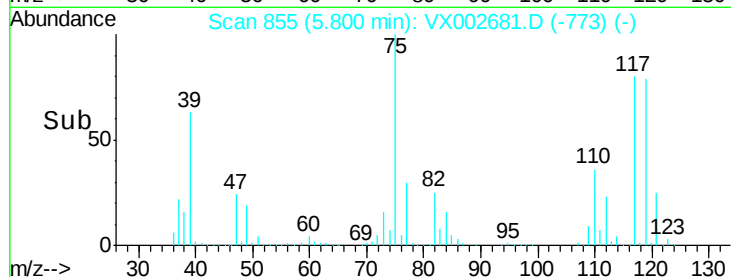
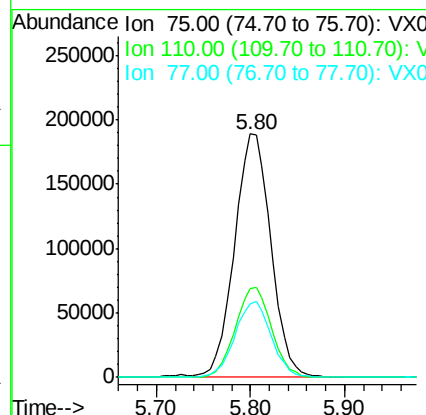
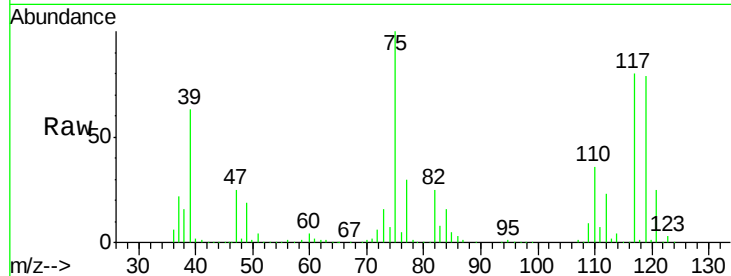
#29
 1,1-Dichloropropene
 Concen: 144.42 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100	506734		
110	36.9	0.0	71.4	
77	30.8	0.0	60.6	

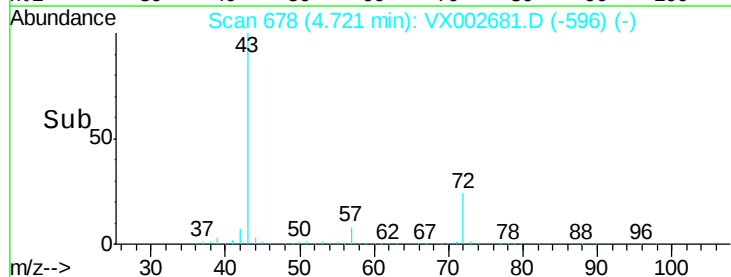
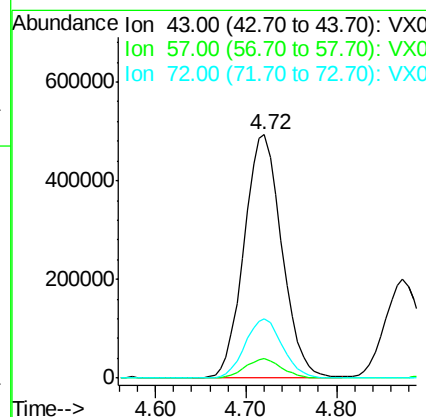
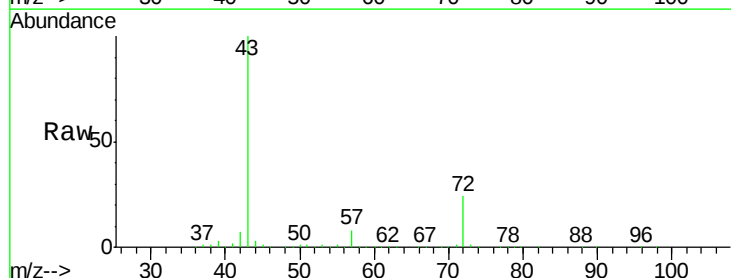
Manual Integrations
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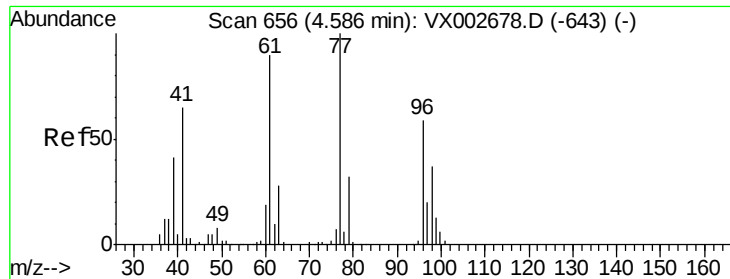
MMDadoda
 6/19/2018 1:05:30 PM



#30
 2-Butanone
 Concen: 581.07 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1422148		
57	7.8	6.1	9.1	
72	24.2	18.1	27.1	





#31

2,2-Dichloropropane

Concen: 174.80 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 539031

Ion Ratio Lower Upper

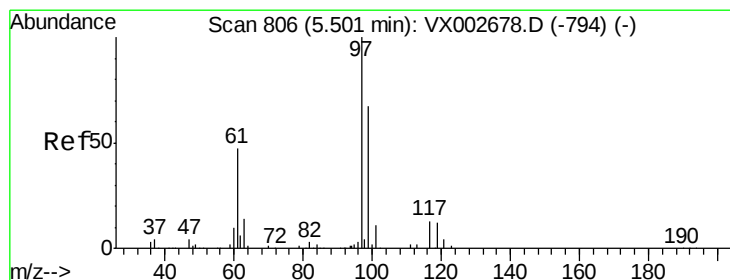
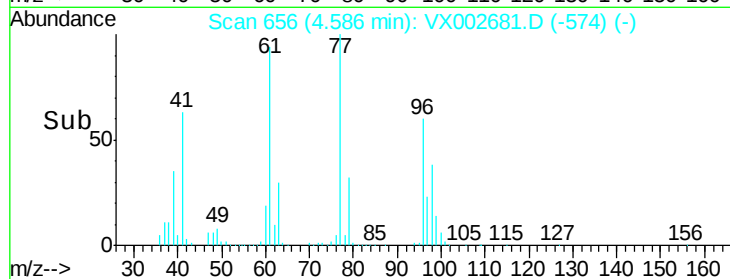
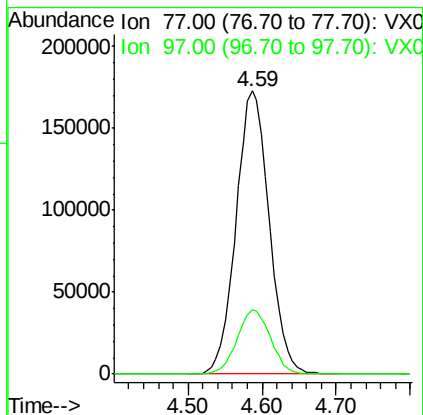
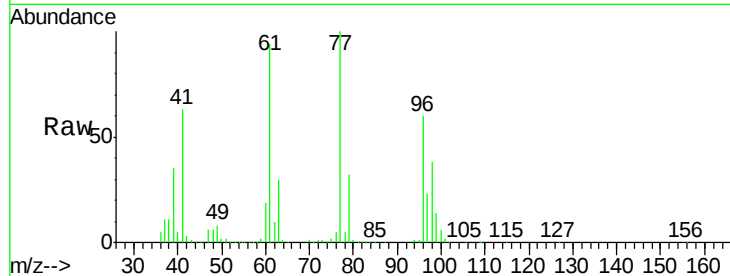
77 100

97 23.0 18.7 28.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 137.31 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

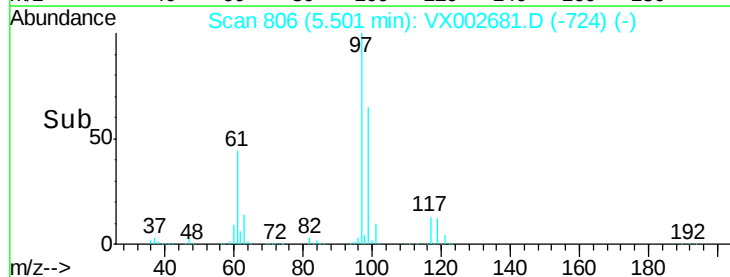
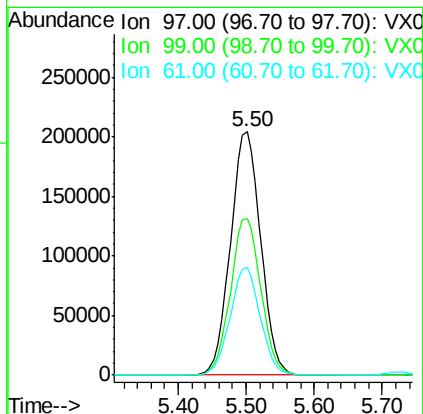
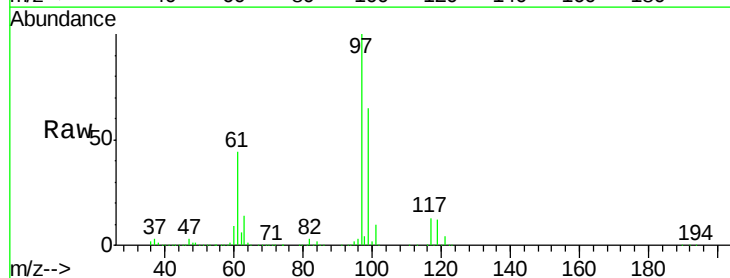
Tgt Ion: 97 Resp: 629258

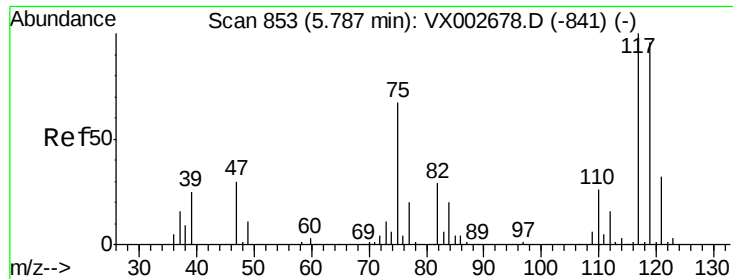
Ion Ratio Lower Upper

97 100

99 64.7 51.7 77.5

61 44.1 36.4 54.6





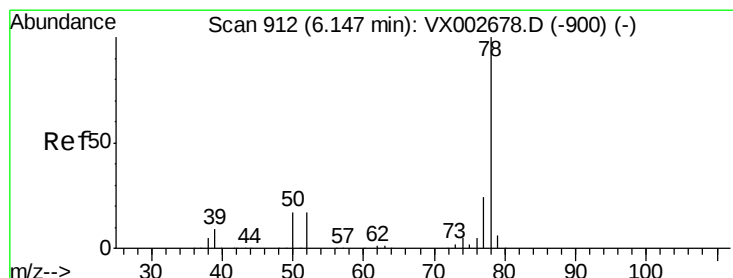
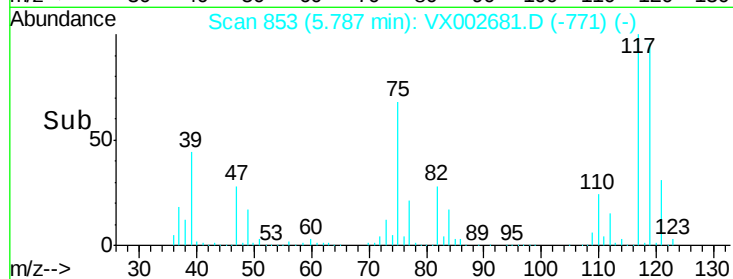
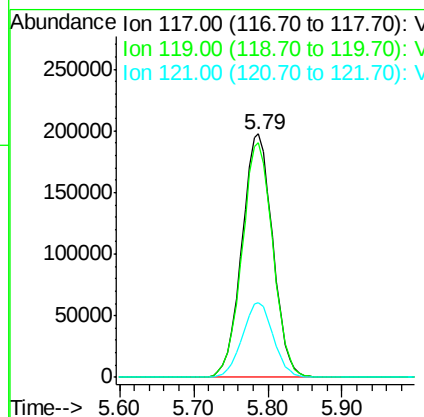
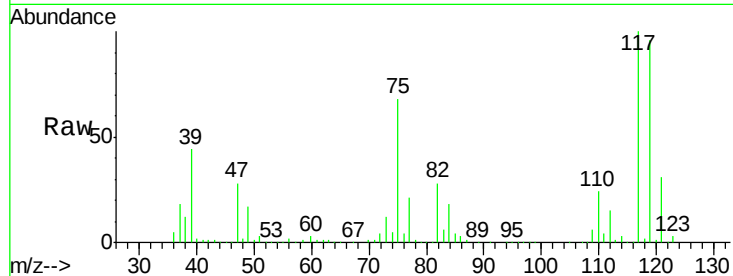
#33
Carbon Tetrachloride
Concen: 137.69 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.4	73.3	109.9
121	30.6	23.6	35.4

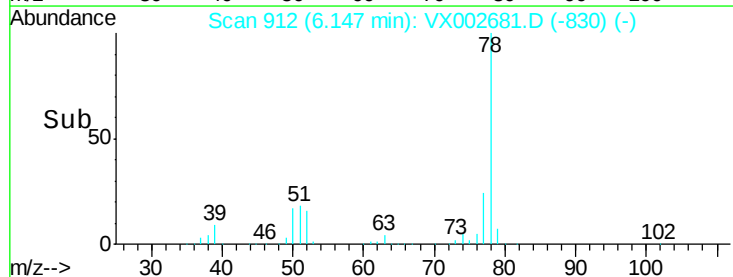
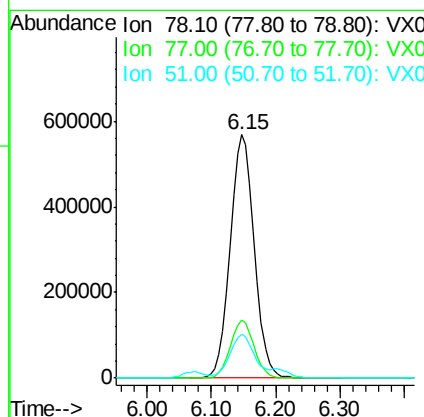
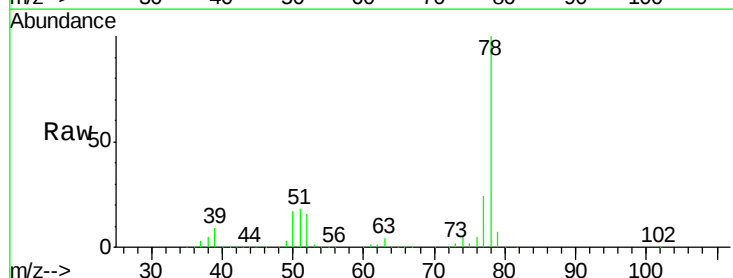
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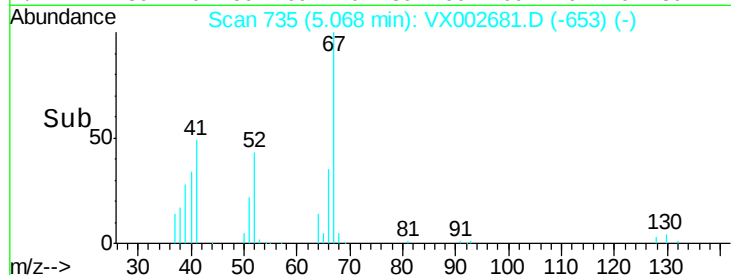
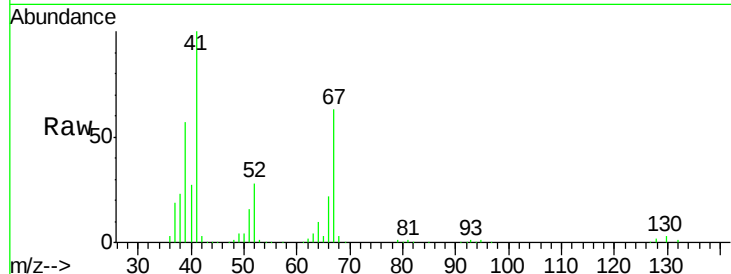
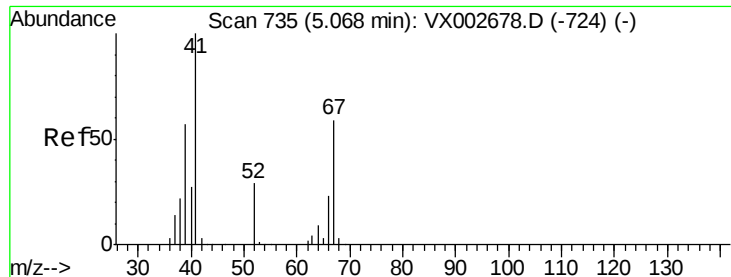
MMDadoda
6/19/2018 1:05:30 PM



#34
Benzene
Concen: 140.77 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

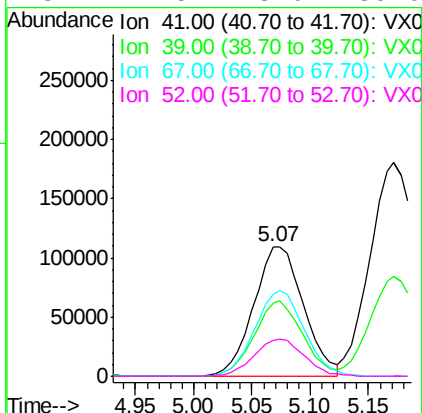
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0
51	18.0	13.8	20.6





#35
Methacrylonitrile
Concen: 120.10 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

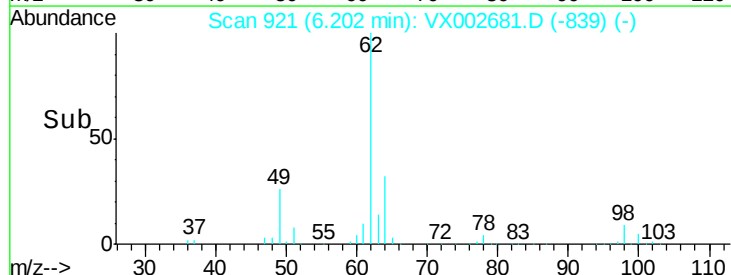
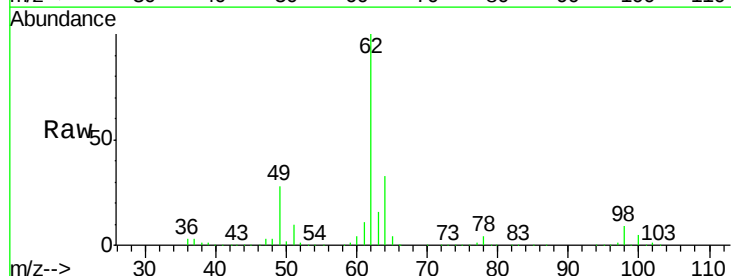
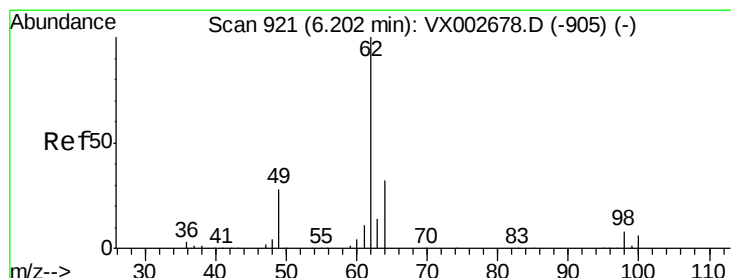
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	56.5	28.8	86.5		
67	63.4	30.4	91.2		
52	27.5	13.0	39.0		



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

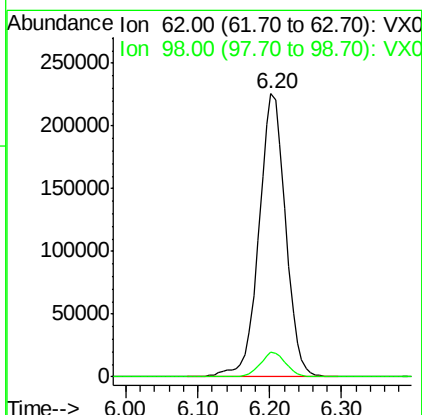
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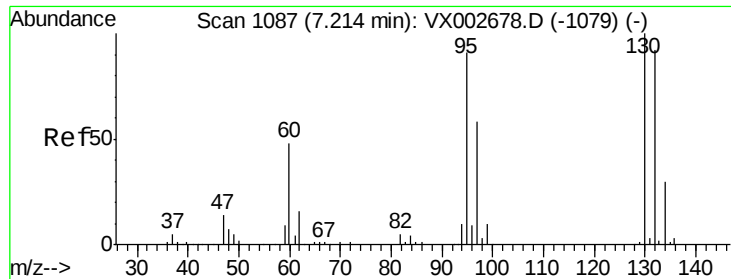
MMDadoda
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#36
1,2-Dichloroethane
Concen: 140.55 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.4	6.5	9.7		





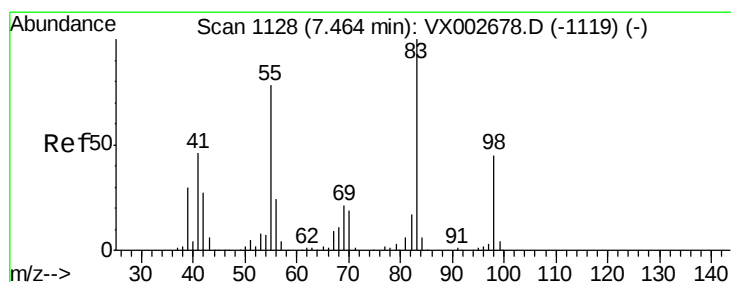
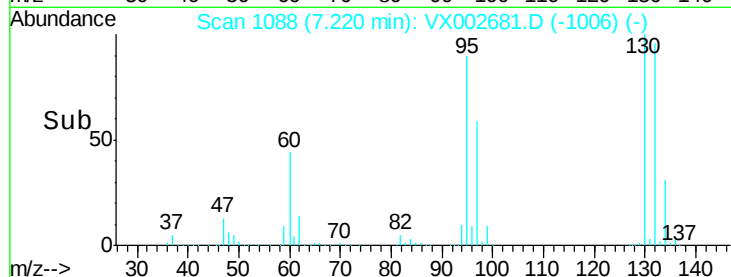
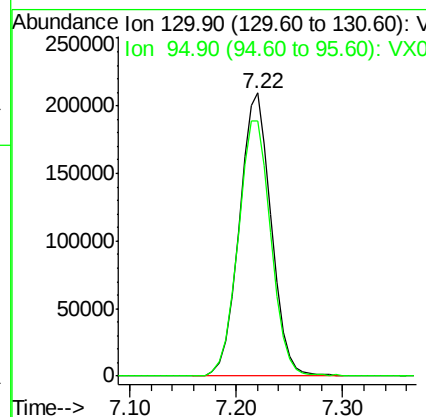
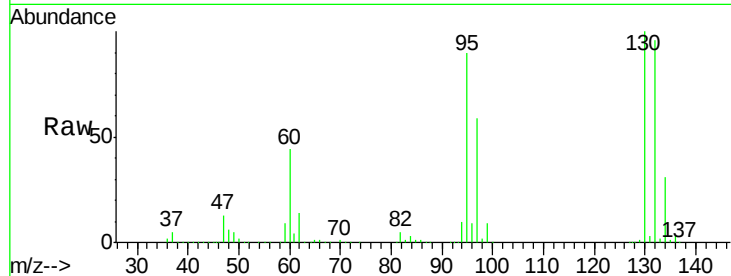
#37
 Trichloroethene
 Concen: 146.09 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 439092
 Ion Ratio Lower Upper
 130 100
 95 90.3 81.5 122.3

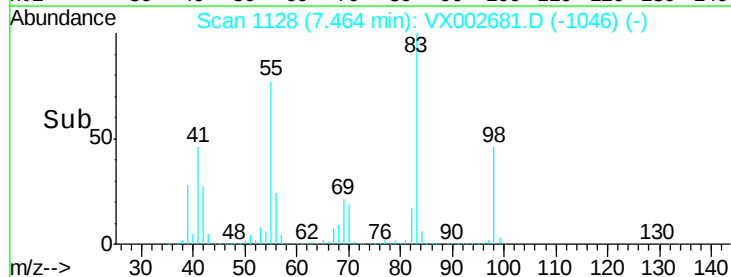
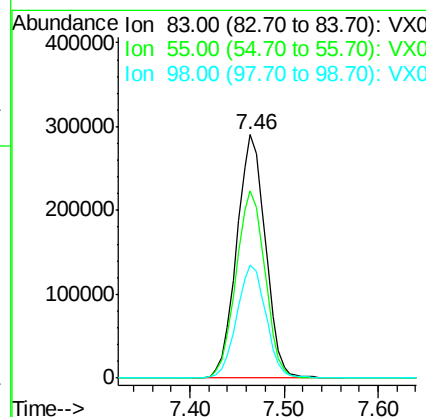
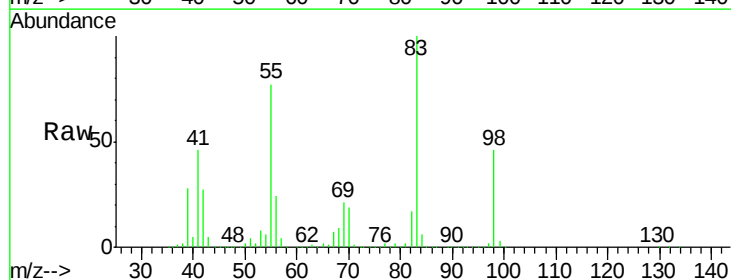
Manual Integrations
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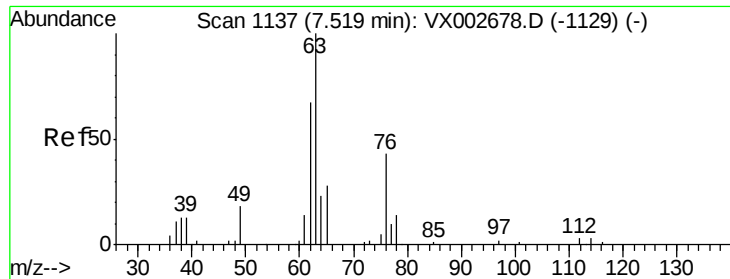
MMDadoda
 6/19/2018 1:05:30 PM



#38
 Methylcyclohexane
 Concen: 151.24 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Tgt Ion: 83 Resp: 619162
 Ion Ratio Lower Upper
 83 100
 55 77.3 40.6 121.8
 98 46.9 23.5 70.5





#39

1,2-Dichloropropane

Concen: 136.41 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 390794

Ion Ratio Lower Upper

63 100

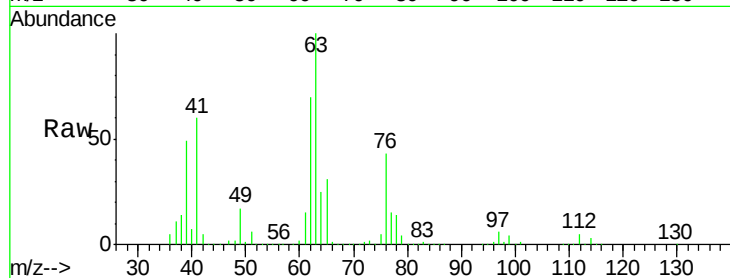
65 30.8 23.3 34.9

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

200000

150000

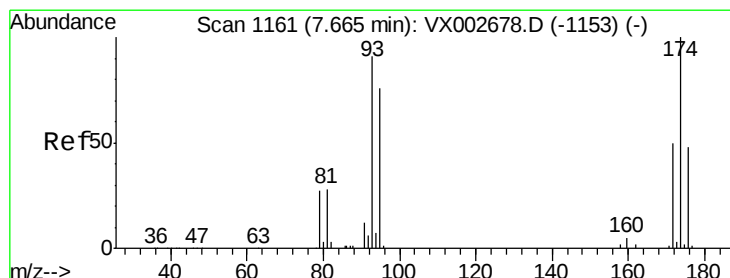
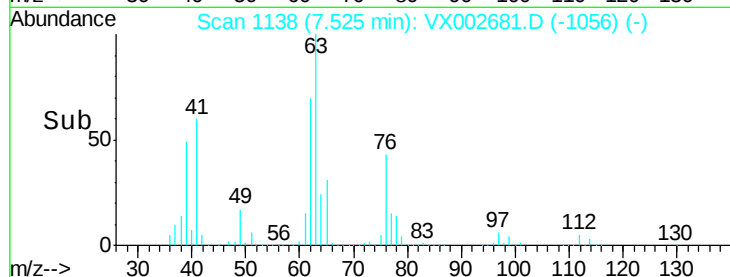
100000

50000

0

7.45 7.50 7.55 7.60

Time-->



#40

Dibromomethane

Concen: 142.71 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

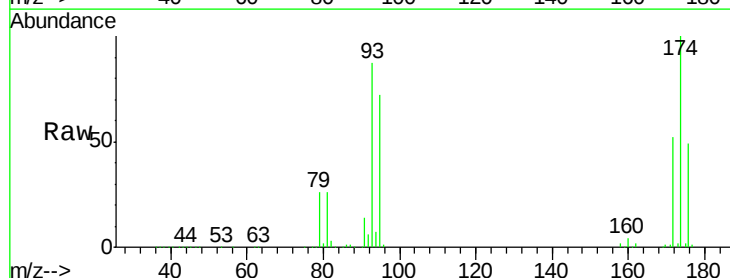
Tgt Ion: 93 Resp: 274298

Ion Ratio Lower Upper

93 100

95 82.7 0.0 162.6

174 119.0 0.0 229.4



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

200000

150000

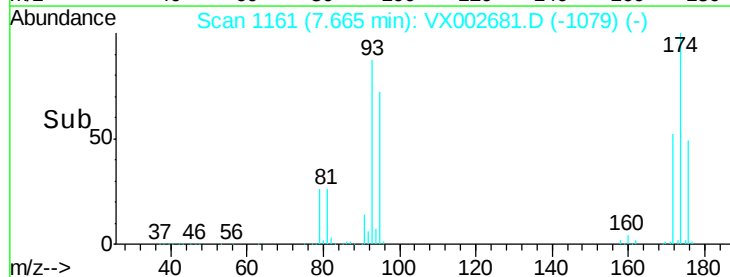
100000

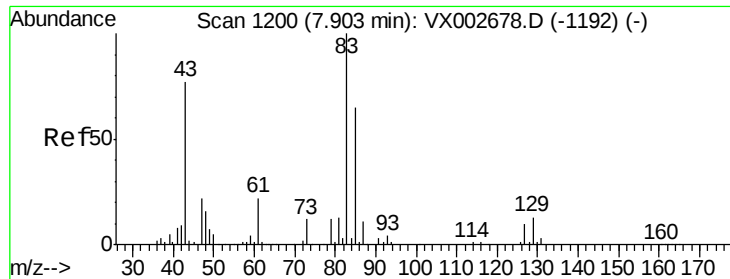
50000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#41

Bromodichloromethane

Concen: 136.38 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

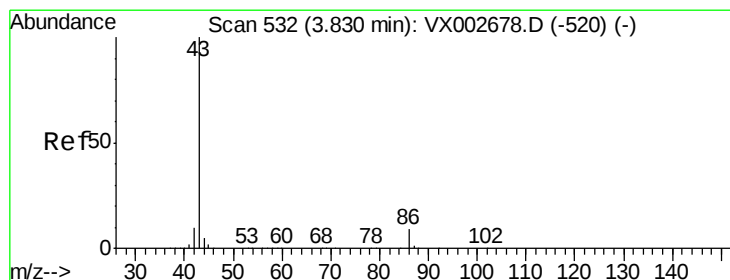
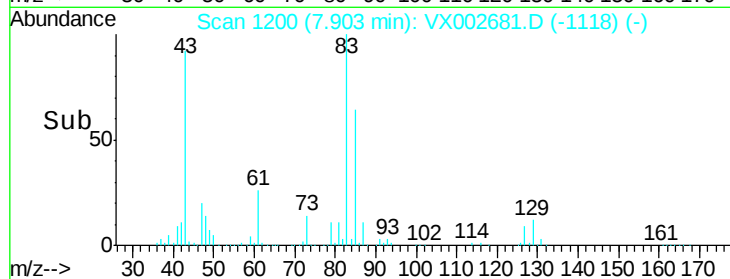
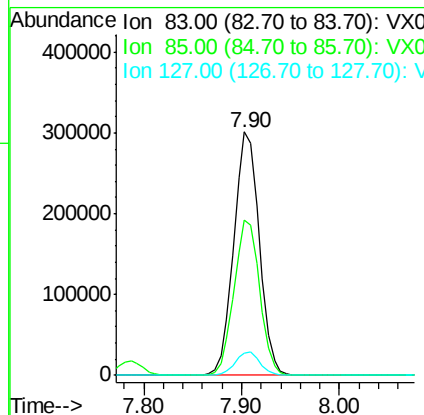
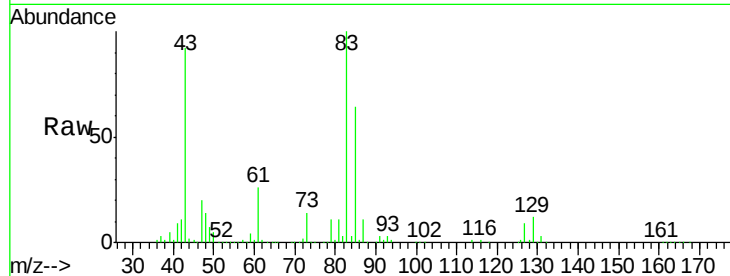
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	543822
Ion Ratio	Lower	Upper	
83	100		
85	63.8	49.8	74.8
127	9.4	7.3	10.9

Manual Integrations
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6/19/2018 1:05:30 PM



#42

Vinyl Acetate

Concen: 703.10 ug/l

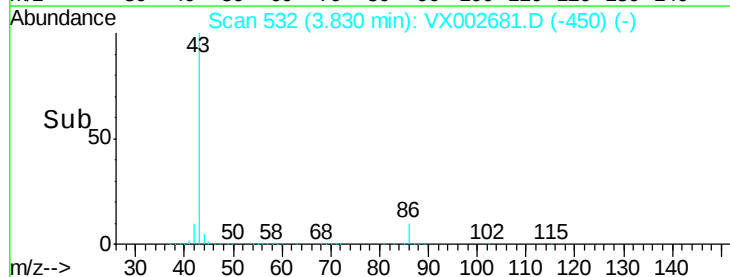
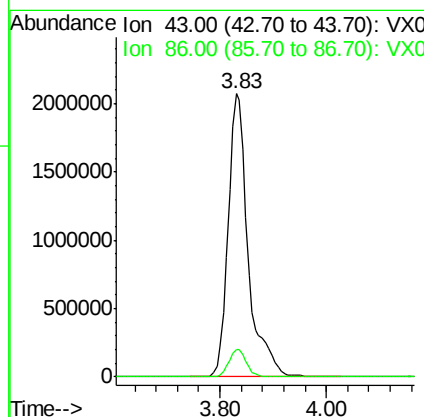
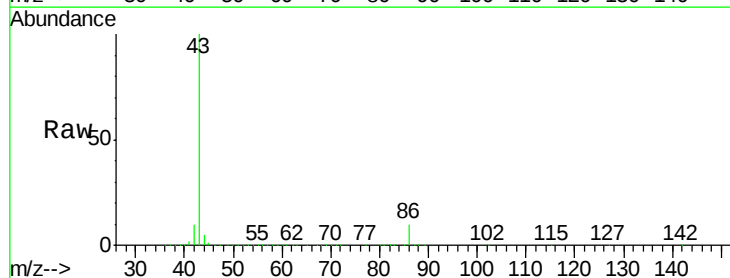
RT: 3.83 min Scan# 532

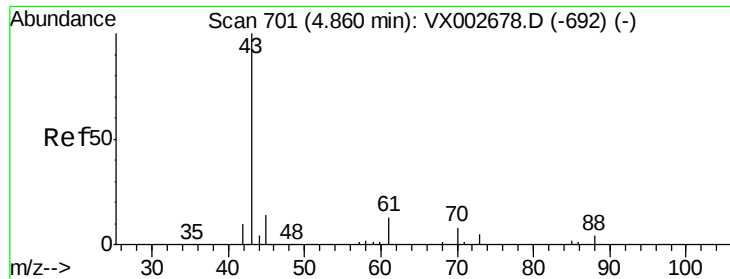
Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Tgt Ion:	43	Resp:	5444119
Ion Ratio	Lower	Upper	
43	100		
86	8.6	6.7	10.1





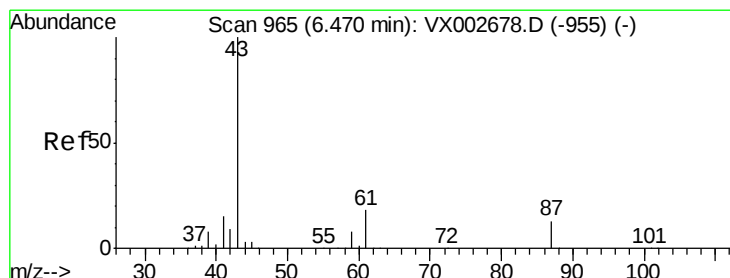
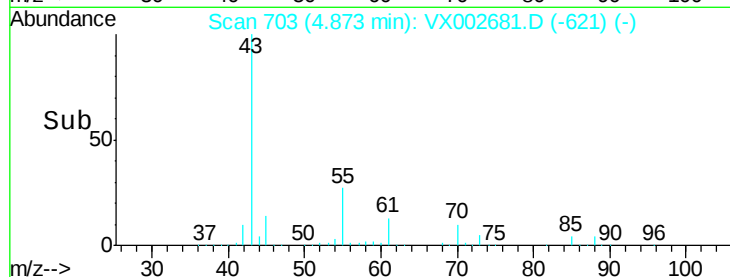
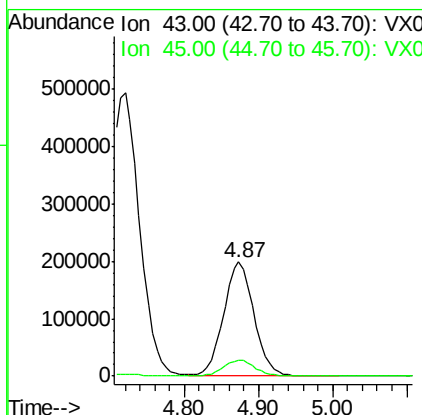
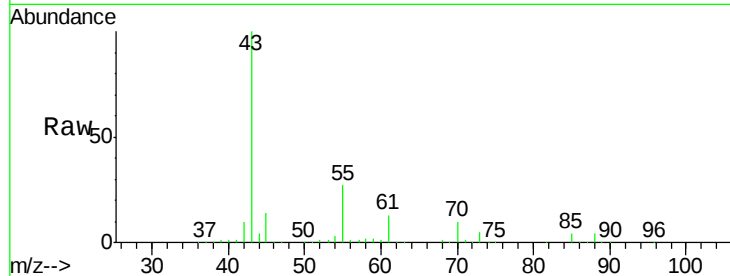
#43
Ethyl Acetate
Concen: 118.20 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 567846
Ion Ratio Lower Upper
43 100
45 14.7 11.0 16.4

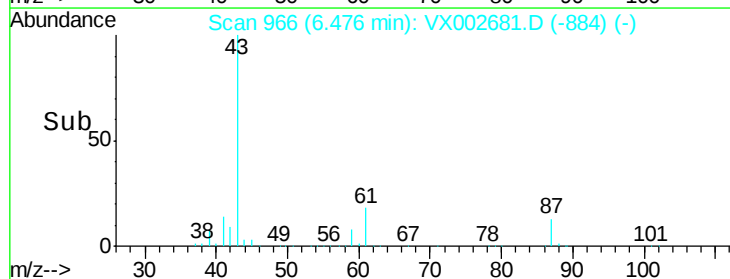
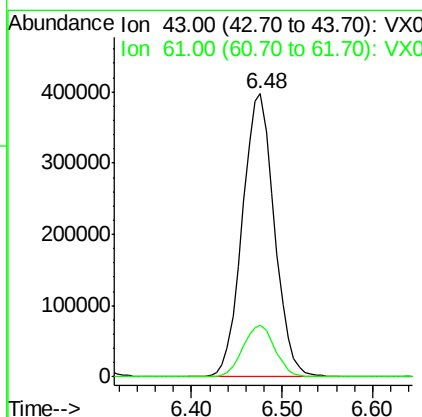
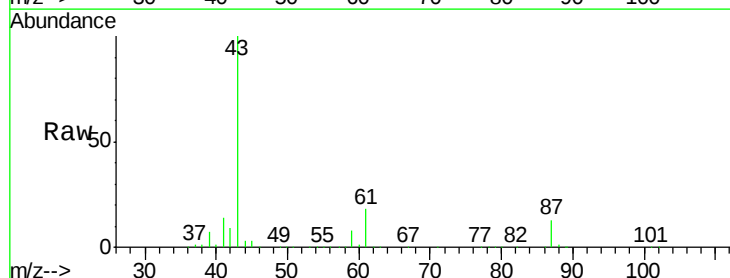
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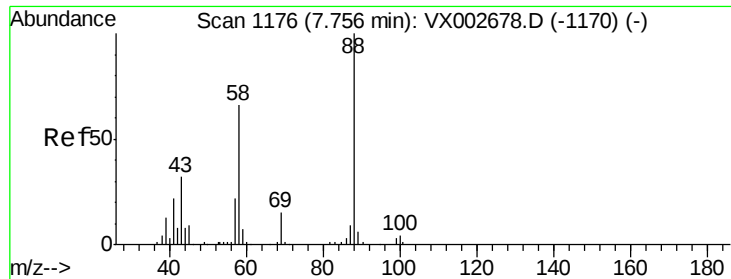
MMDadoda
6/19/2018 1:05:30 PM



#44
Isopropyl Acetate
Concen: 121.32 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion: 43 Resp: 969159
Ion Ratio Lower Upper
43 100
61 18.3 14.5 21.7





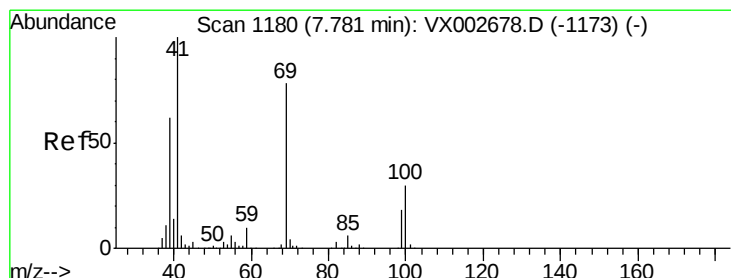
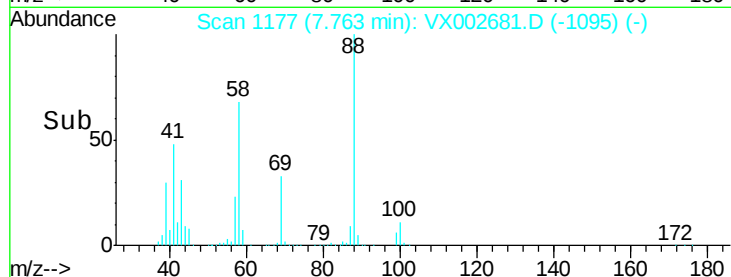
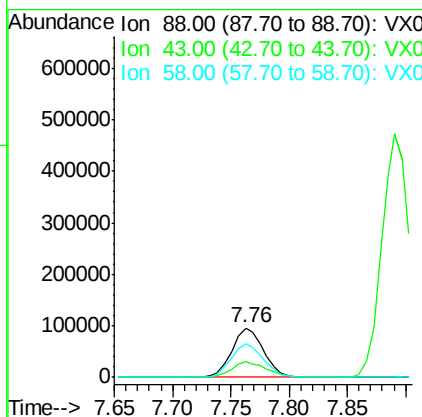
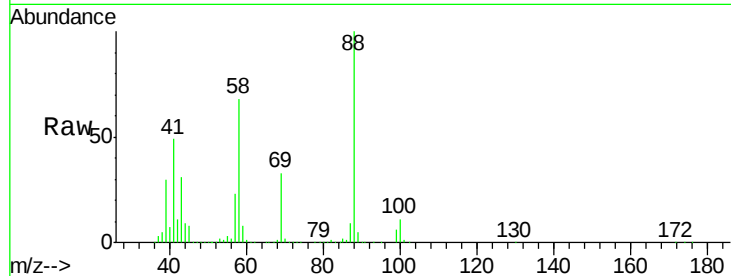
#45
1,4-Dioxane
Concen: 2377.28 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	43.2	64.8#
58	69.4	60.2	90.2

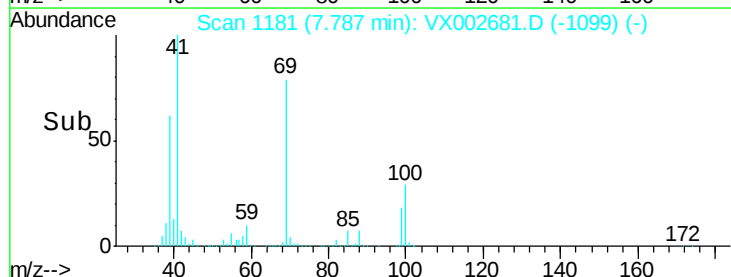
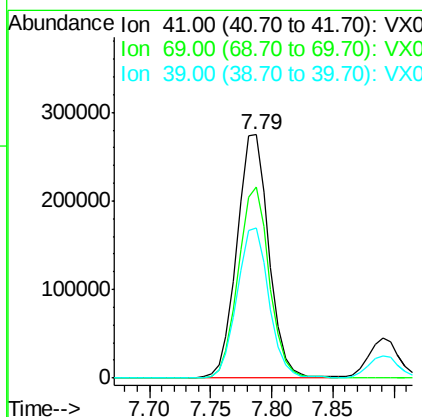
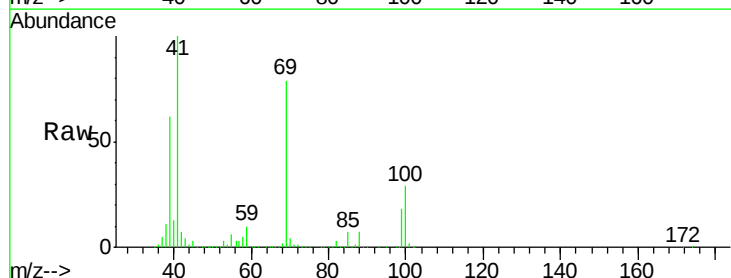
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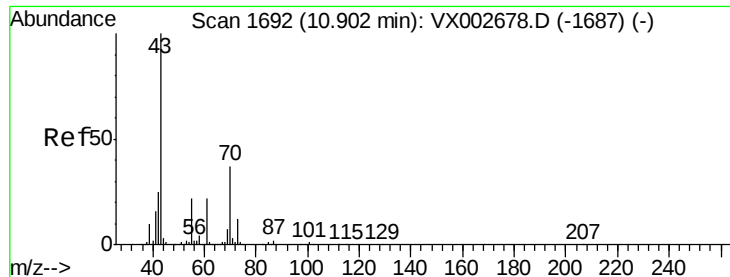
MMDadoda
6/19/2018 1:05:30 PM



#46
Methyl methacrylate
Concen: 122.85 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.7	37.0	110.9
39	61.6	29.6	88.9





#47

n-amvl Acetate

Concen: 134.14 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 985823

Ion Ratio Lower Upper

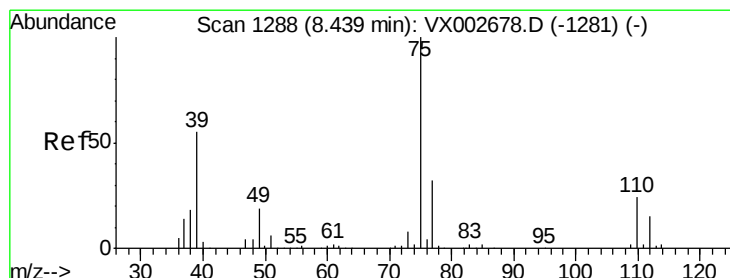
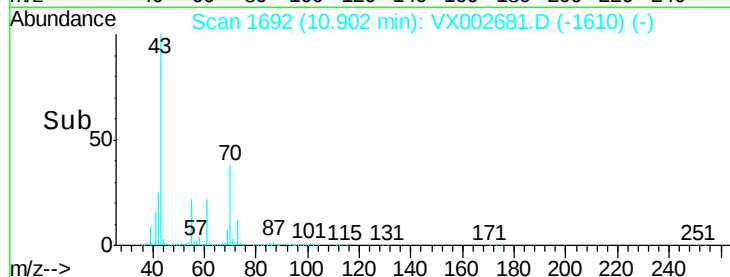
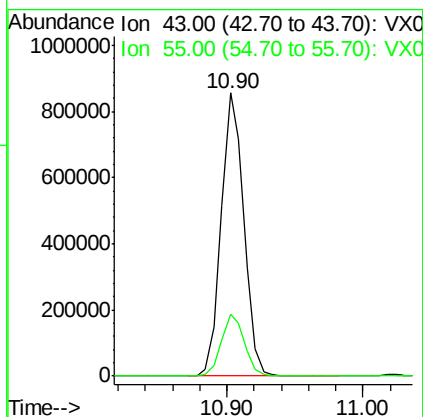
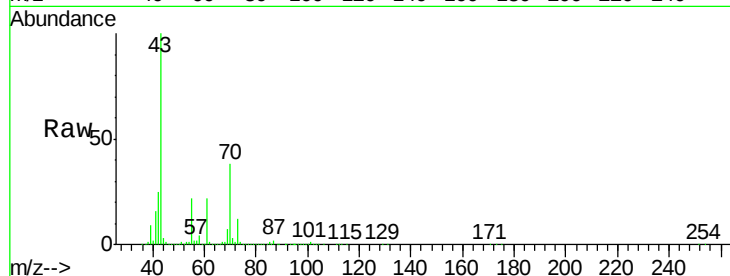
43 100

55 22.2 0.1 0.1#

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 144.41 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002681.D

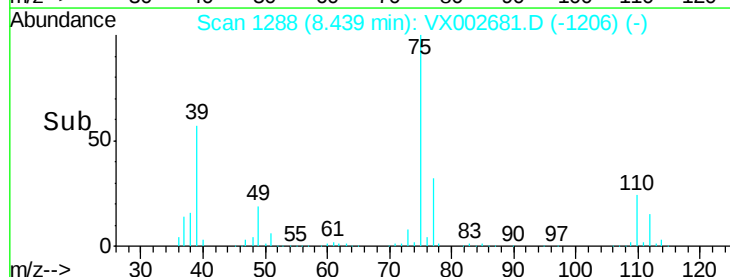
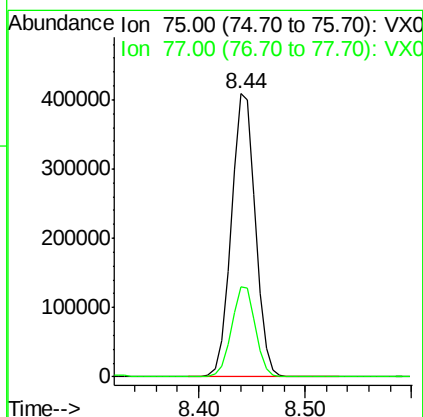
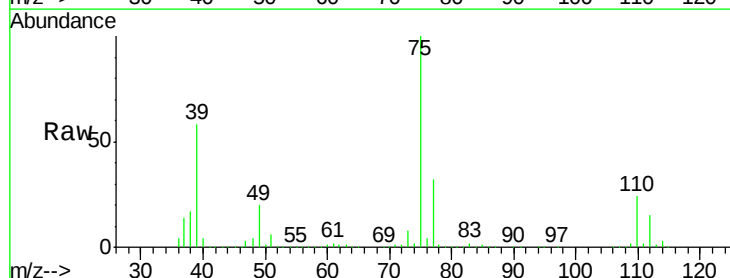
Acq: 18 Jun 2018 14:29

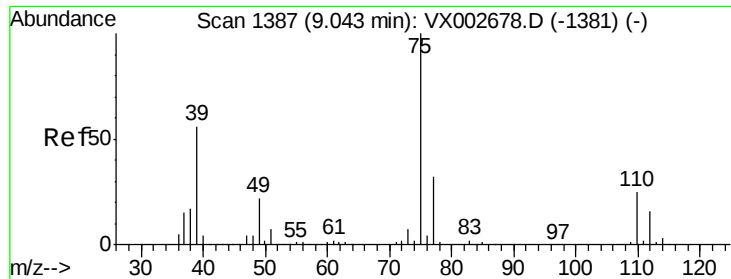
Tgt Ion: 75 Resp: 647079

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4





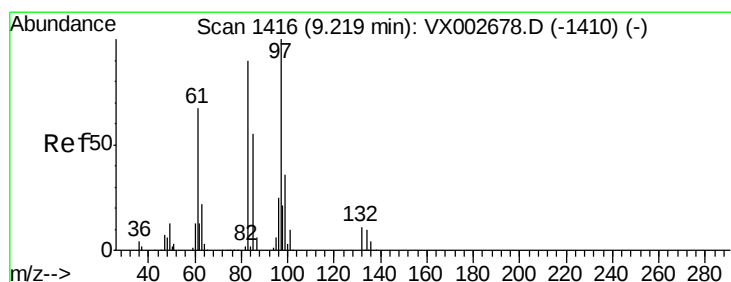
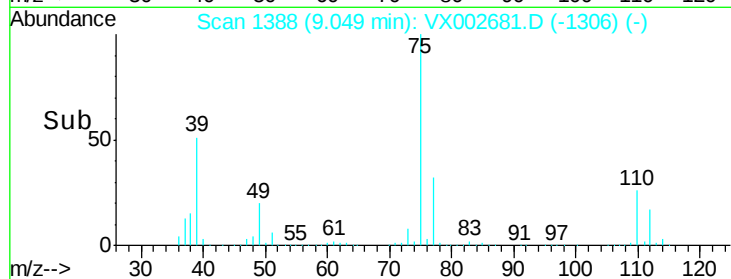
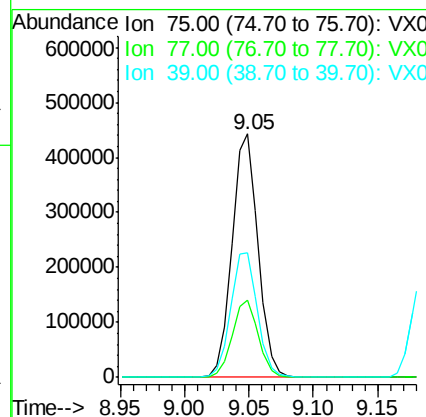
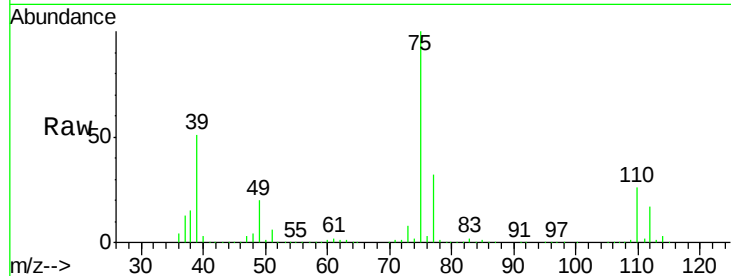
#49
 cis-1,3-Dichloropropene
 Concen: 144.27 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
39	51.2	42.3	63.5

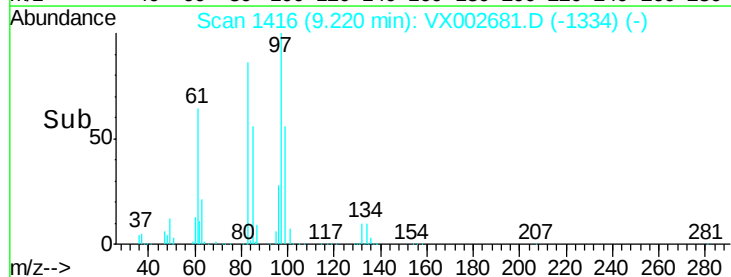
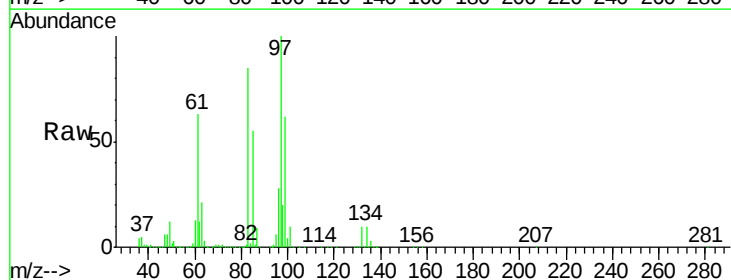
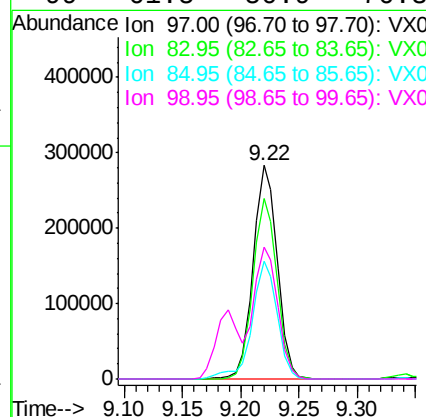
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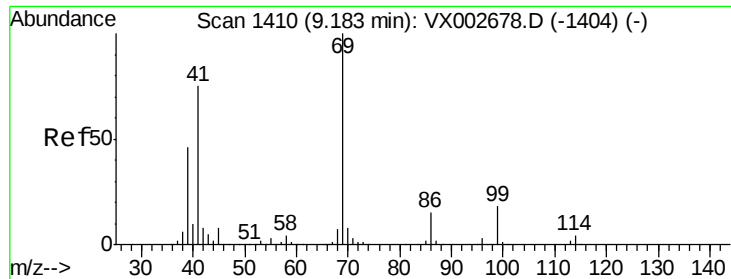
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#50
 1,1,2-Trichloroethane
 Concen: 149.02 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.8	106.2
85	55.0	43.5	65.3
99	61.5	50.9	76.3





#51

Ethyl methacrylate

Concen: 135.79 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

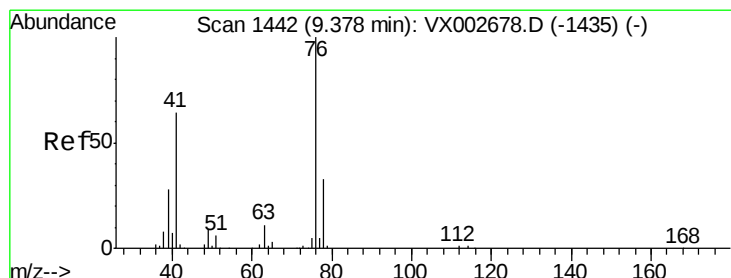
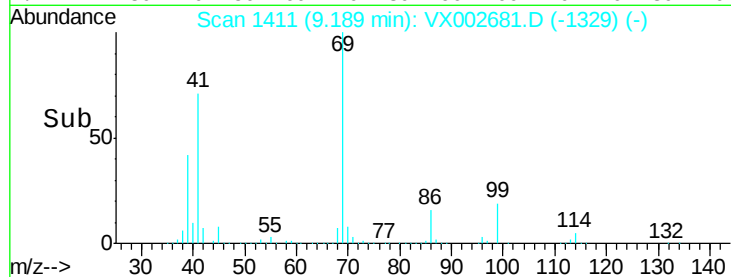
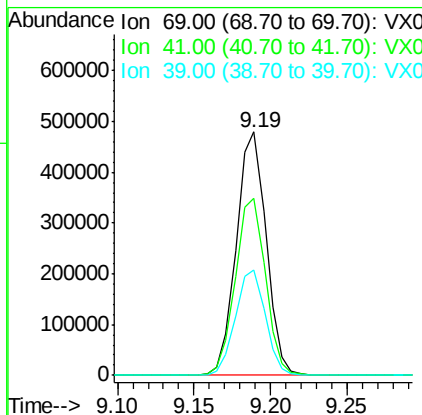
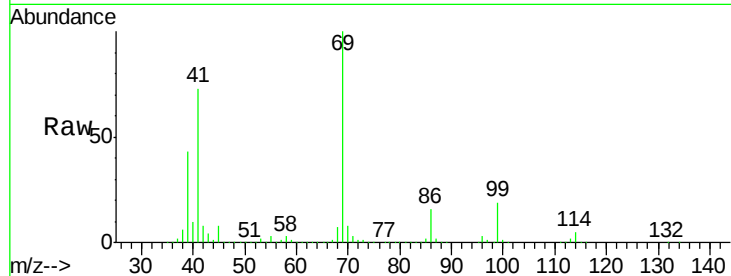
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	649066
Ion Ratio	Lower	Upper	
69	100		
41	72.6	39.1	117.3
39	43.1	21.7	65.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 142.98 ug/l

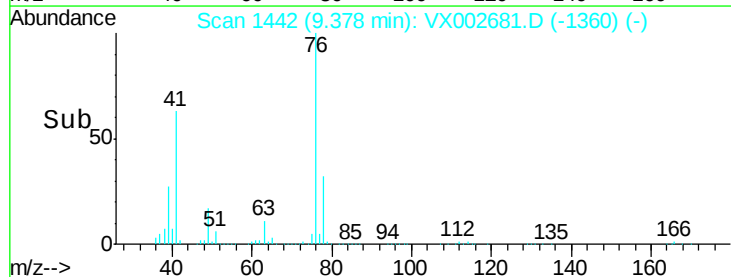
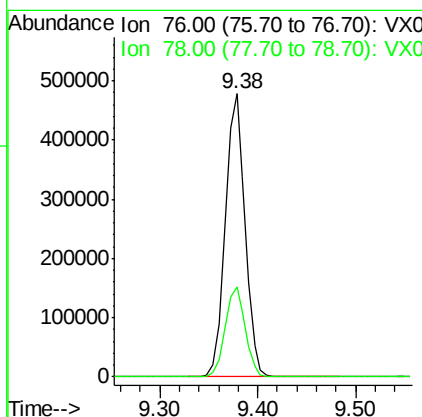
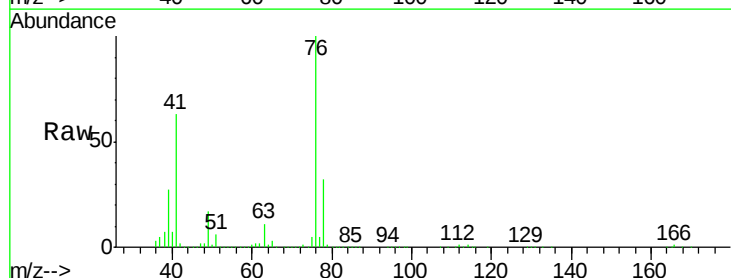
RT: 9.38 min Scan# 1442

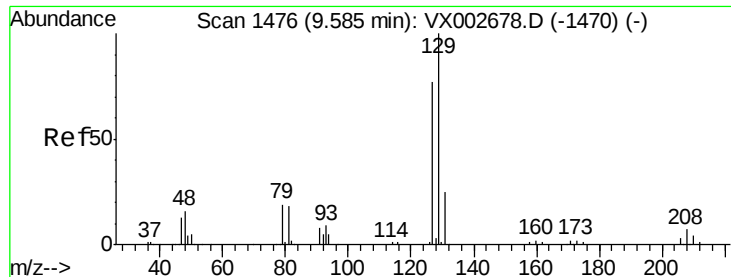
Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Tgt Ion:	76	Resp:	665482
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	63.4





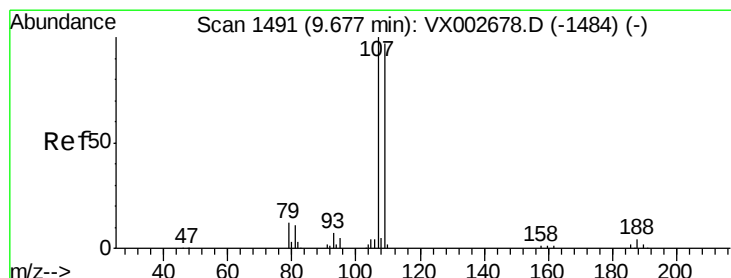
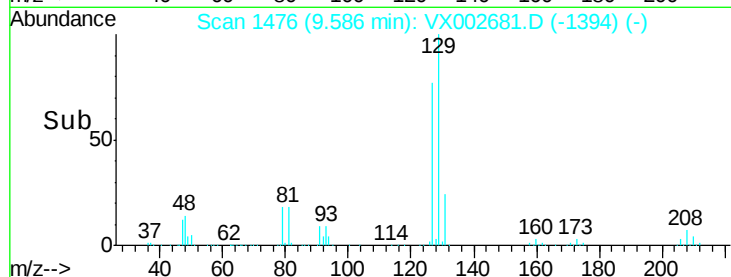
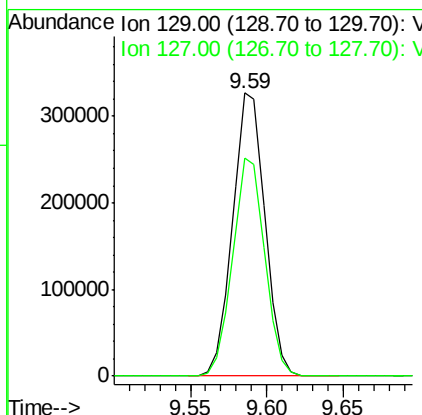
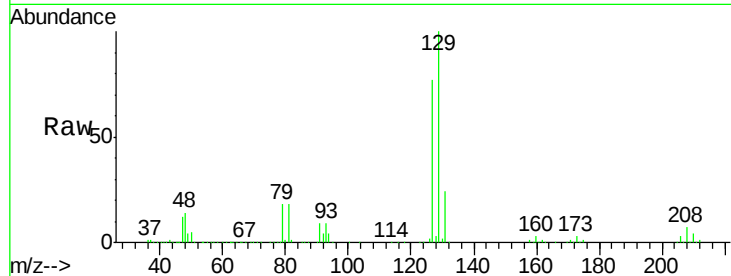
#53
 Dibromochloromethane
 Concen: 141.84 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3

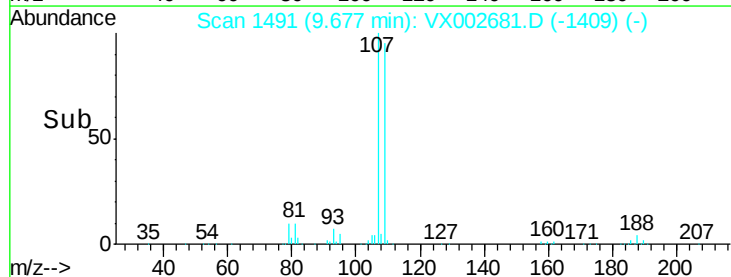
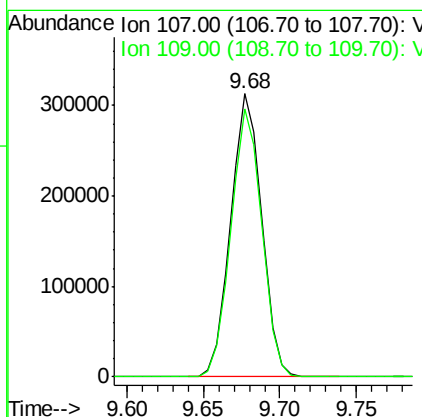
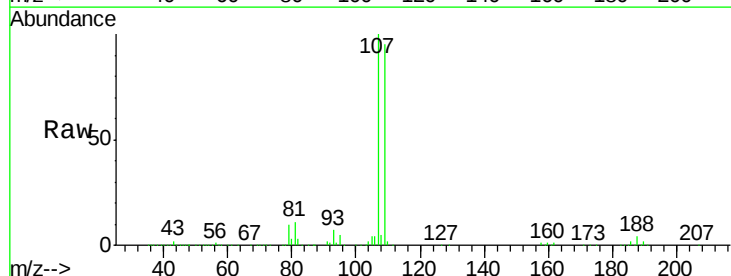
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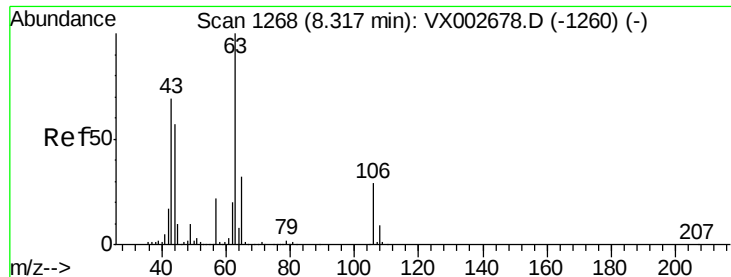
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#54
 1,2-Dibromoethane
 Concen: 146.83 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.5	113.3





#55

2-Chloroethyl vinyl ether

Concen: 677.22 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1519378

Ion Ratio Lower Upper

63 100

65 32.2 25.6 38.4

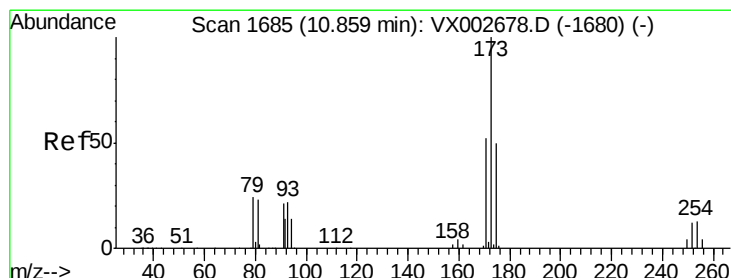
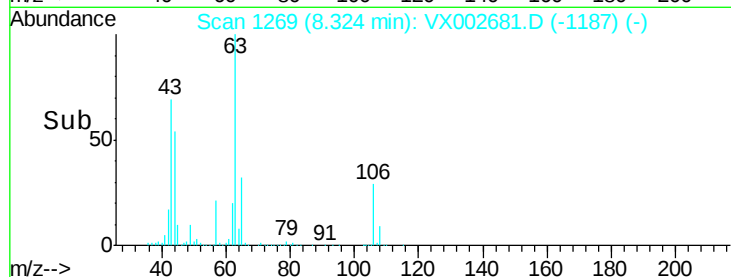
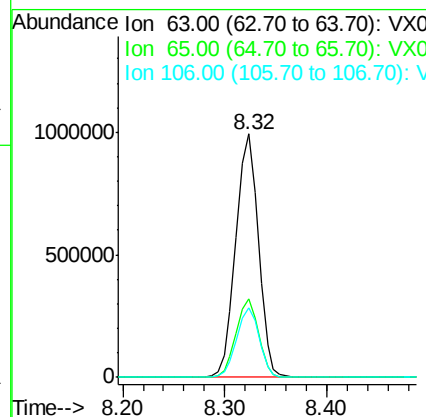
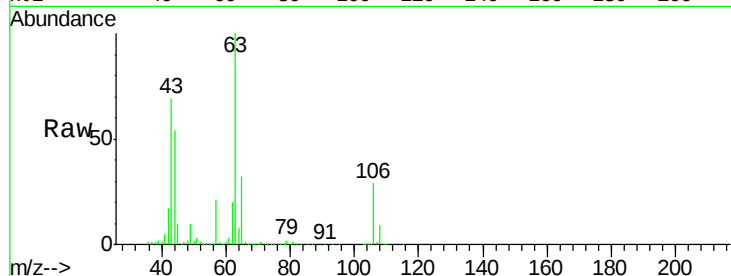
106 28.4 21.6 32.4

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#56

Bromoform

Concen: 137.78 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

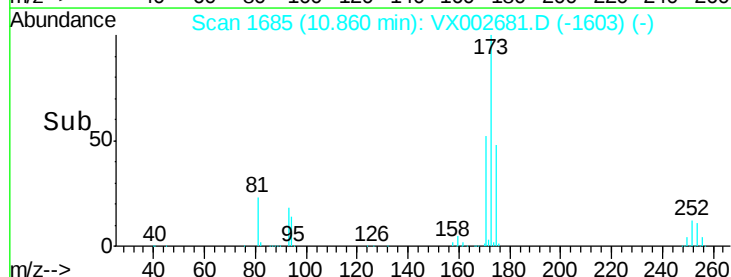
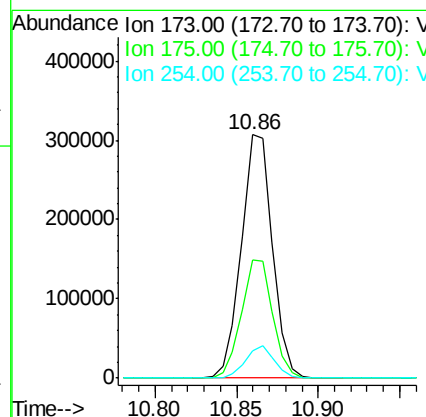
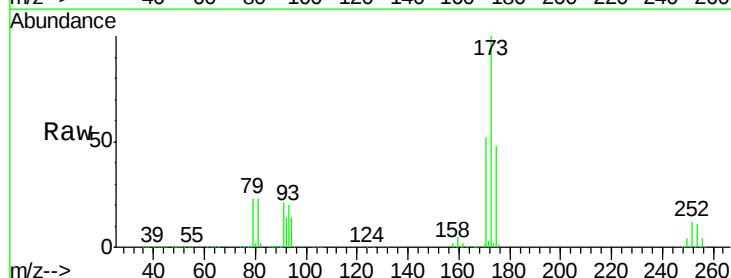
Tgt Ion: 173 Resp: 408417

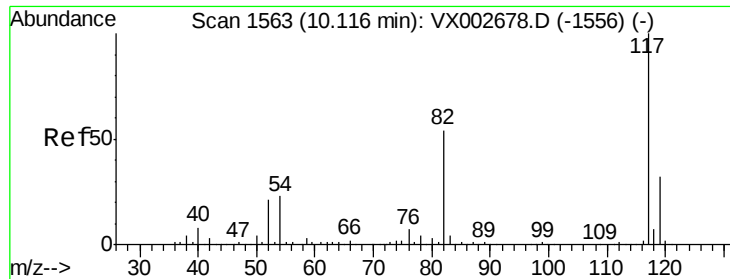
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 12.4 9.6 14.4





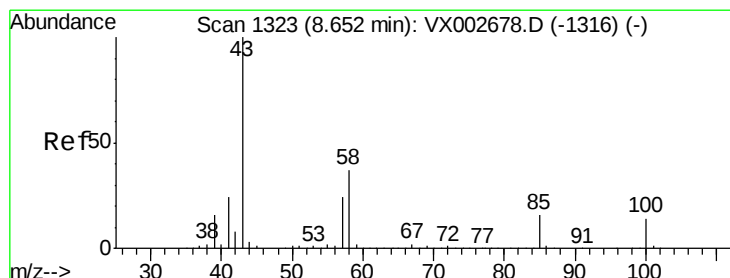
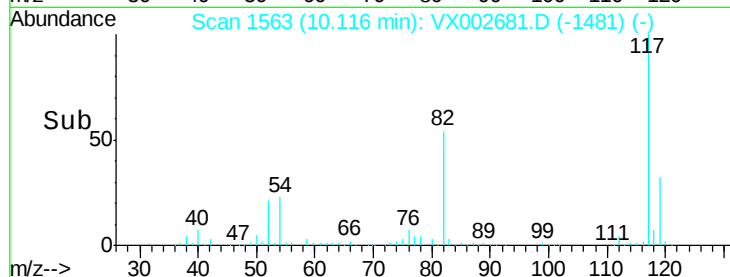
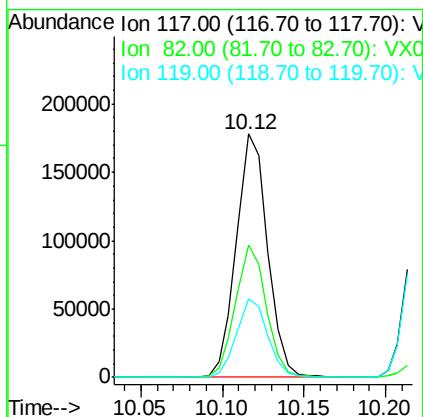
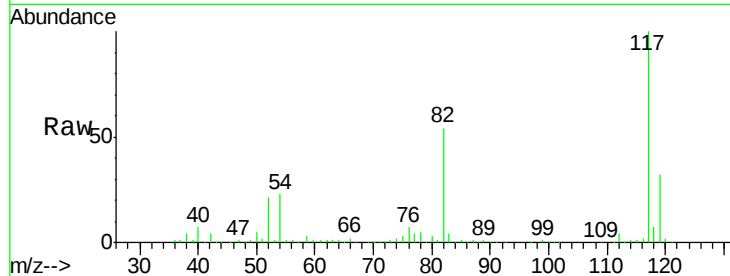
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.3	66.5
119	32.4	25.7	38.5

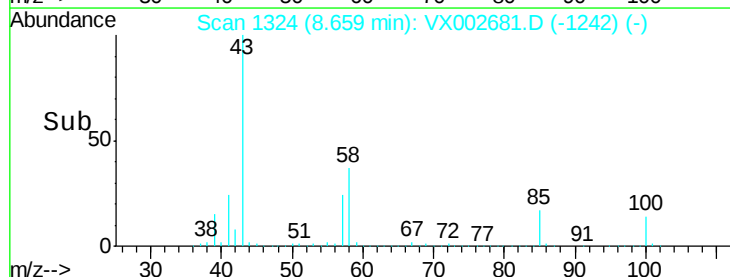
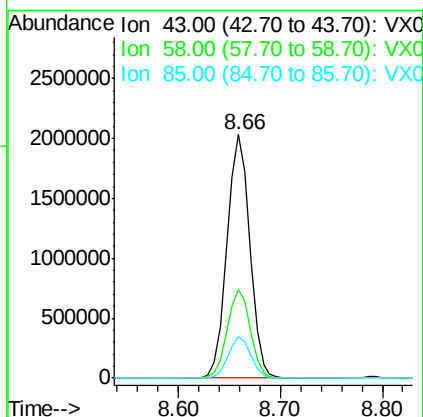
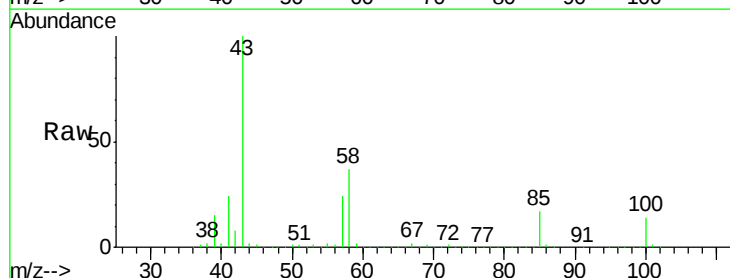
Manual Integrations
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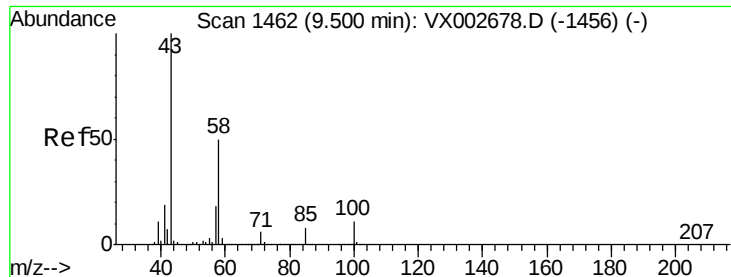
MMDadoda
6/19/2018 1:05:30 PM



#58
4-Methyl-2-Pentanone
Concen: 603.06 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	28.2	42.4
85	16.8	12.4	18.6





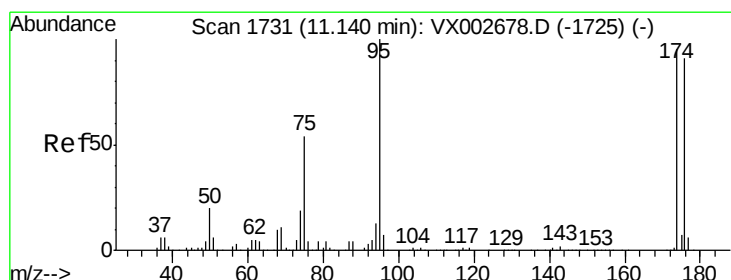
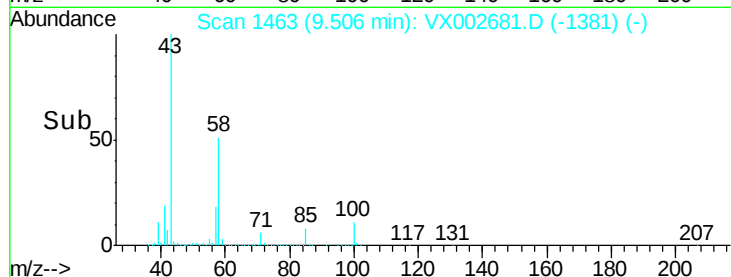
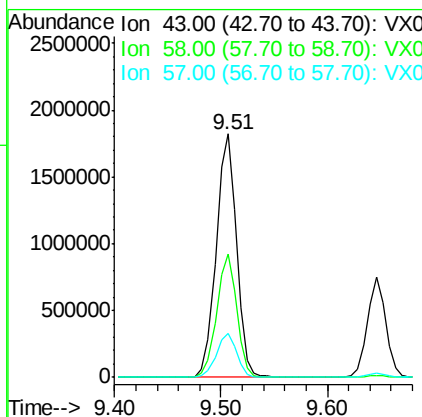
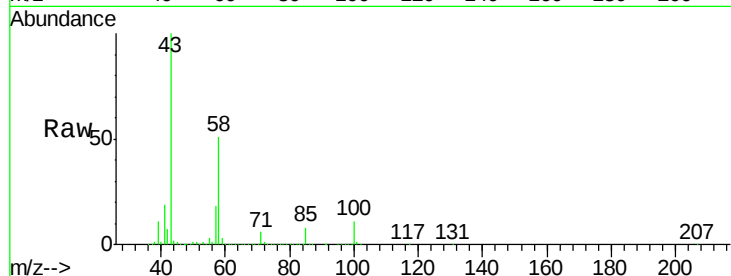
#59
2-Hexanone
Concen: 594.97 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.3	39.6	59.4
57	18.1	14.1	21.1

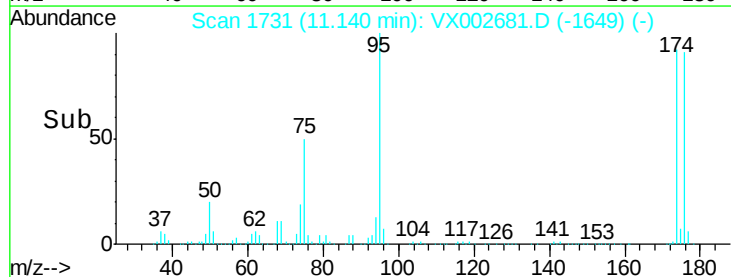
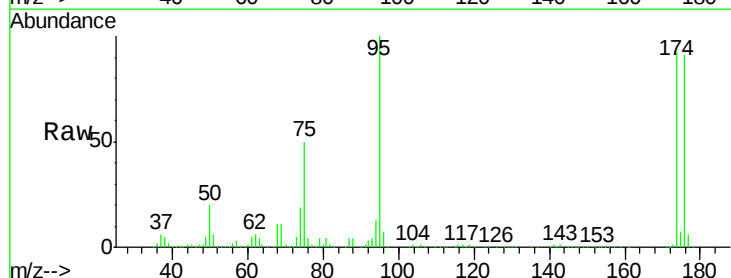
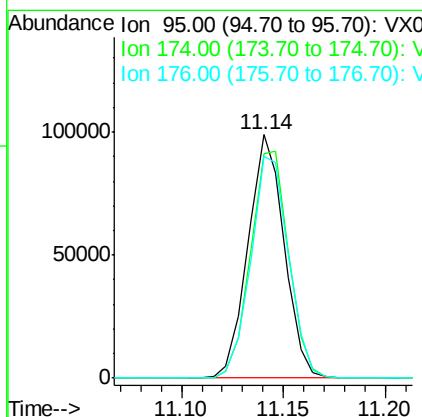
Manual Integrations
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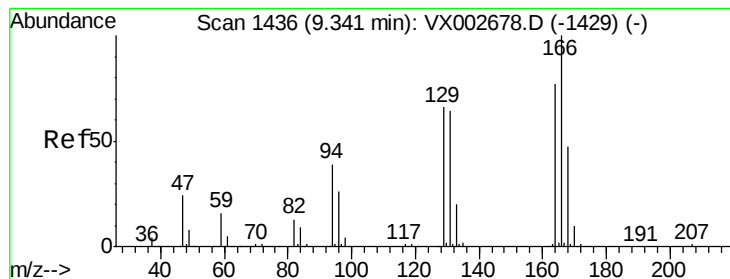
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.89 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.3	71.8	107.6
176	95.6	70.1	105.1





#61

Tetrachloroethene

Concen: 132.33 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 481391

Ion Ratio Lower Upper

164 100

166 128.0 102.4 153.6

129 86.6 70.1 105.1

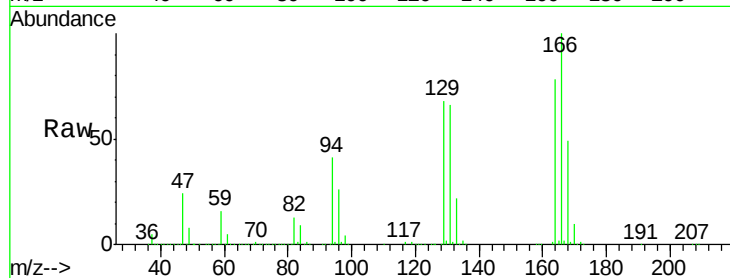
131 84.8 69.1 103.7

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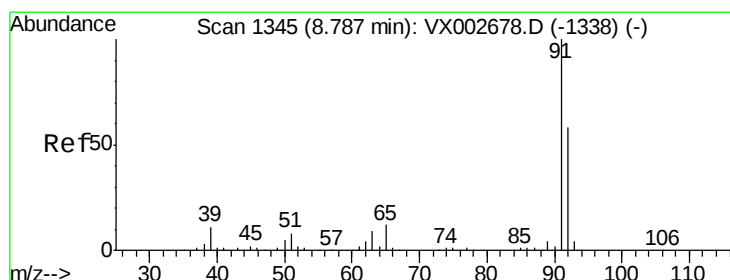
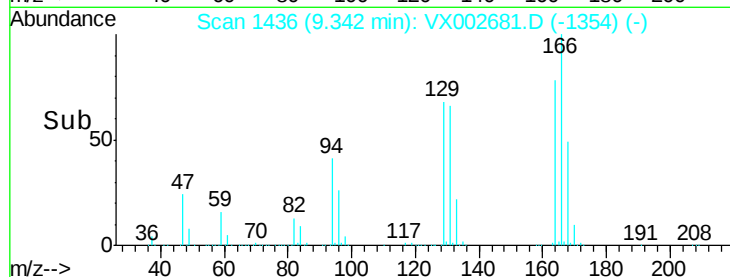
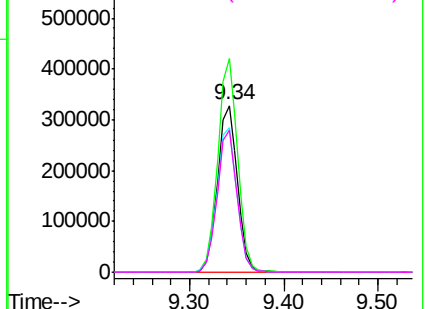


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 141.75 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX002681.D

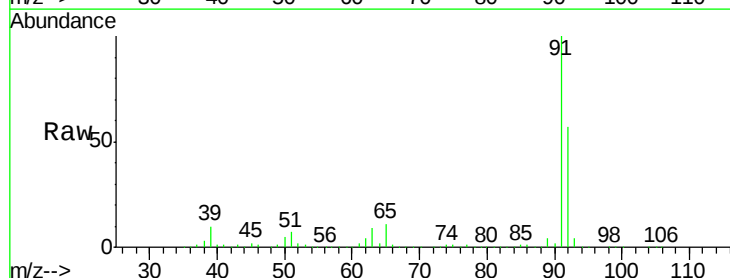
Acq: 18 Jun 2018 14:29

Tgt Ion: 91 Resp: 1726660

Ion Ratio Lower Upper

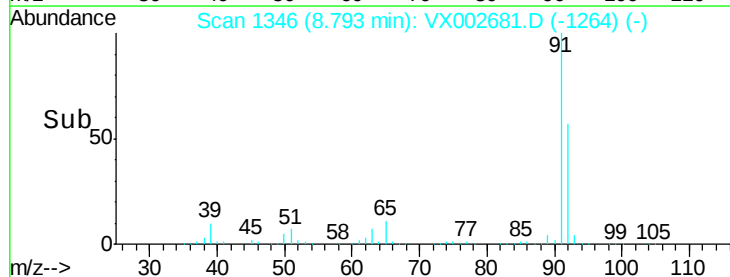
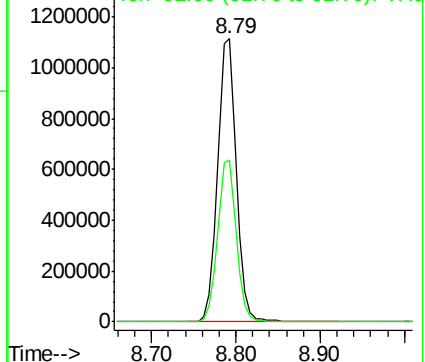
91 100

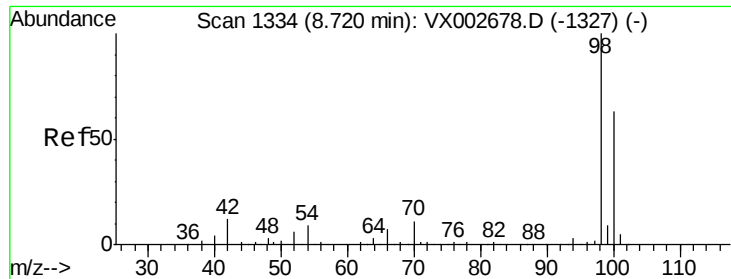
92 56.9 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 28.97 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 307958

Ion Ratio Lower Upper

98 100

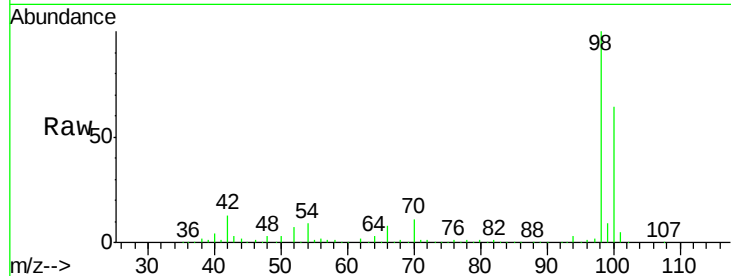
100 65.0 50.8 76.2

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Abundance Ion 98.00 (97.70 to 98.70): VX002678.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX002678.D (-1327) (-)

300000

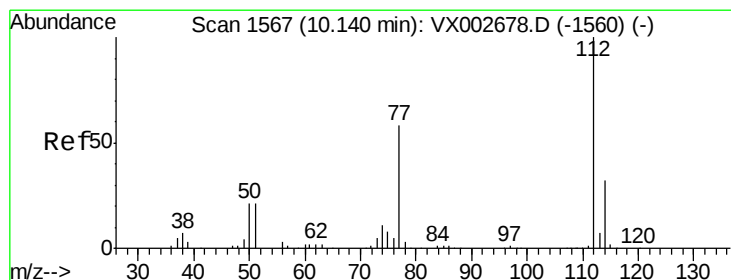
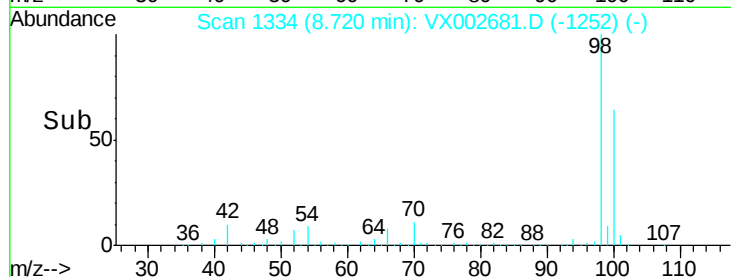
200000

100000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 146.35 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002681.D

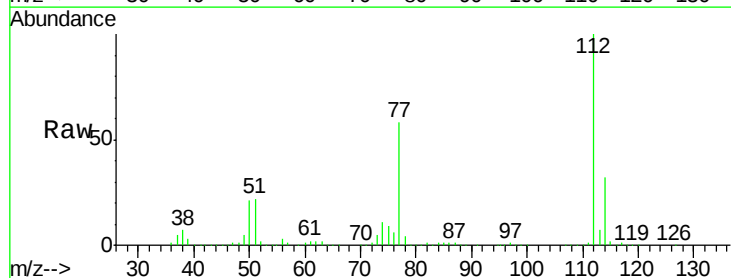
Acq: 18 Jun 2018 14:29

Tgt Ion: 112 Resp: 1153805

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VX002678.D (-1560) (-)

Ion 114.00 (113.70 to 114.70): VX002678.D (-1560) (-)

800000

600000

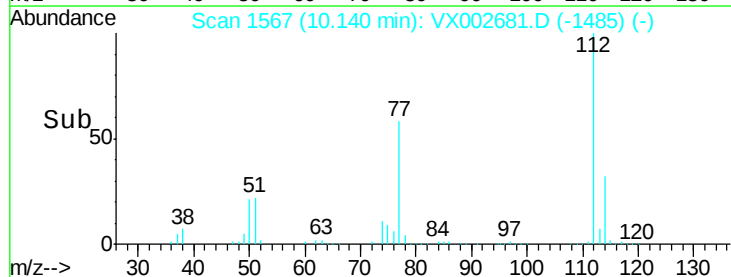
400000

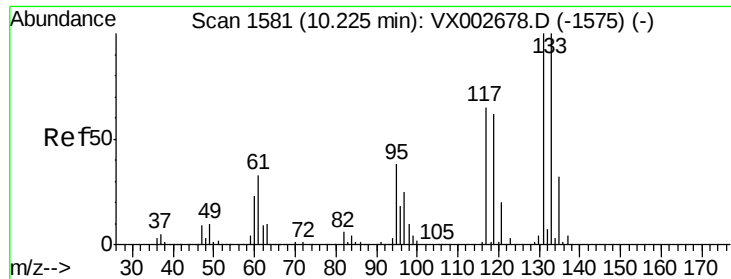
200000

0

10.10 10.20 10.30

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 139.38 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:131 Resp: 447170

Ion Ratio Lower Upper

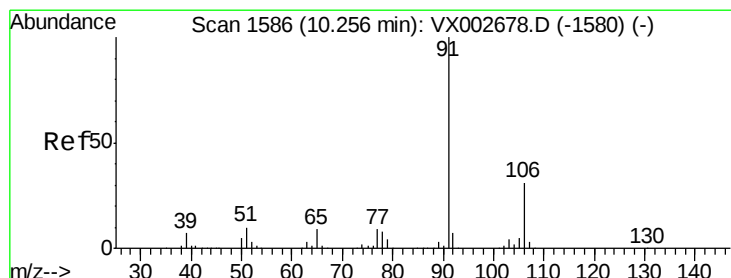
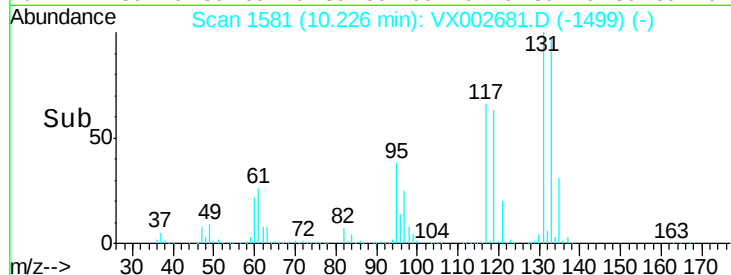
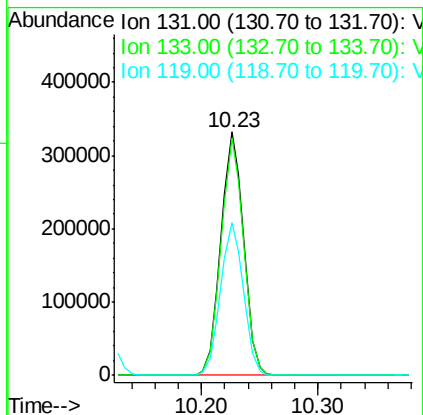
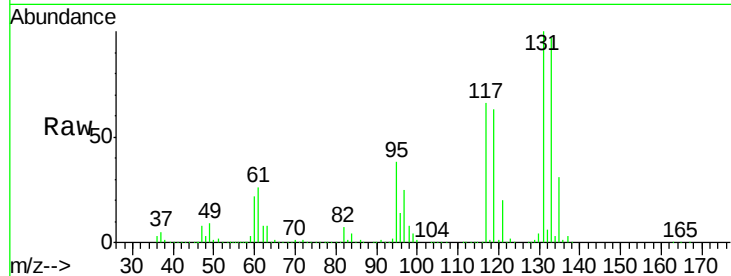
131 100

133 96.2 0.0 191.2

119 62.9 0.0 125.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 144.95 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002681.D

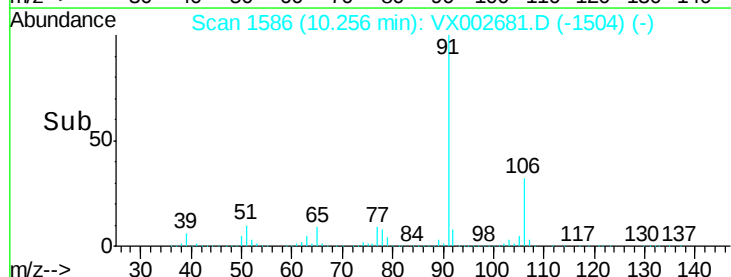
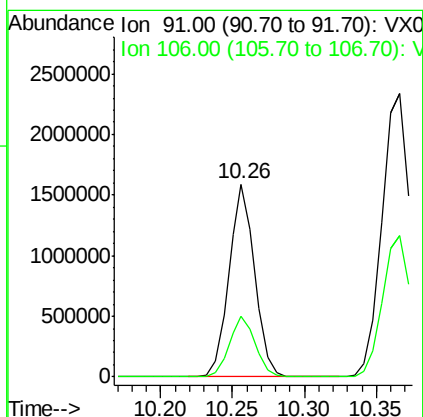
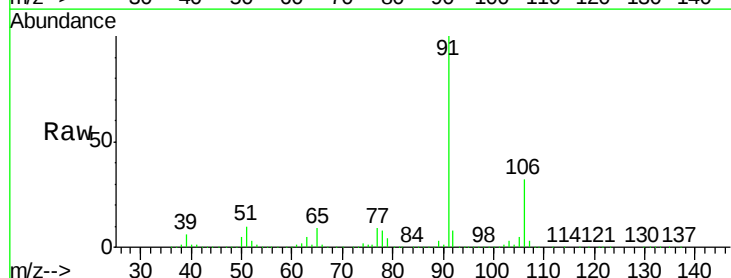
Acq: 18 Jun 2018 14:29

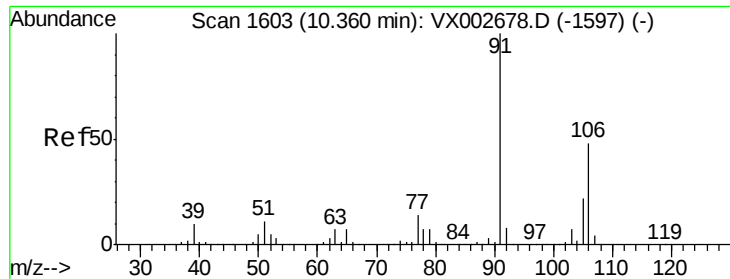
Tgt Ion: 91 Resp: 1984363

Ion Ratio Lower Upper

91 100

106 31.6 25.2 37.8





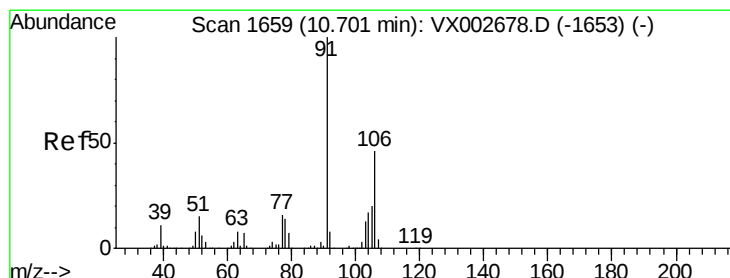
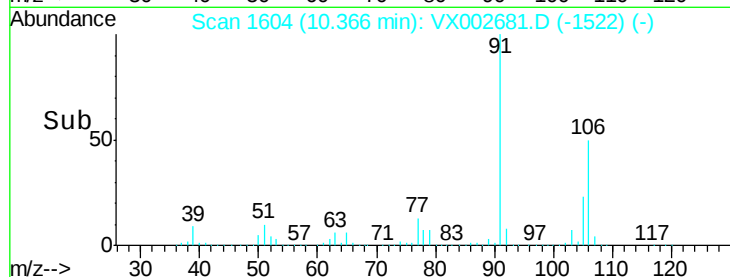
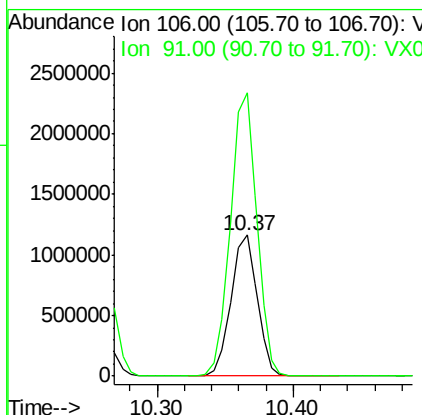
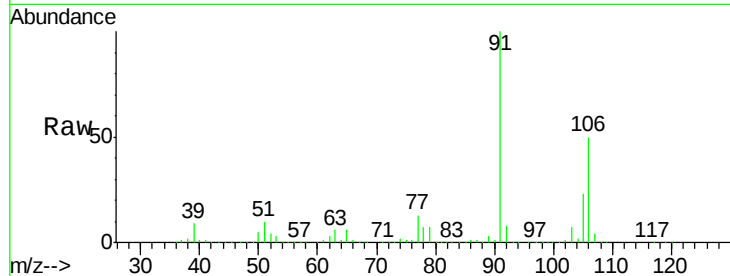
#67
m/p-Xvlenes
Concen: 299.51 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1556594
Ion Ratio Lower Upper
106 100
91 203.0 164.1 246.1

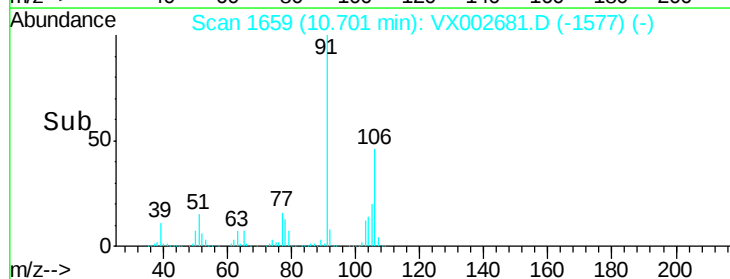
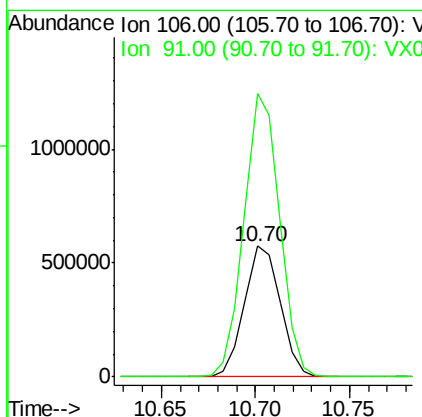
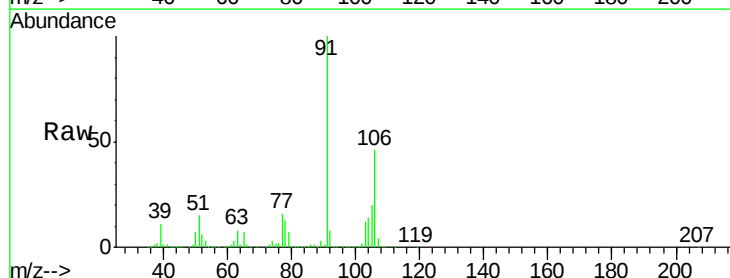
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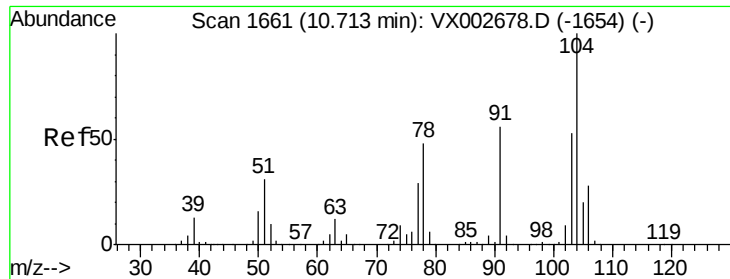
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#68
o-Xylene
Concen: 147.05 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion:106 Resp: 765427
Ion Ratio Lower Upper
106 100
91 214.2 109.1 327.3





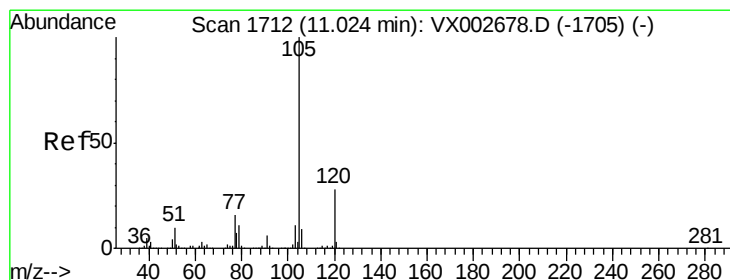
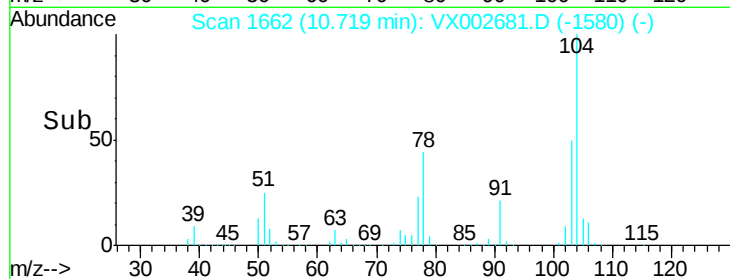
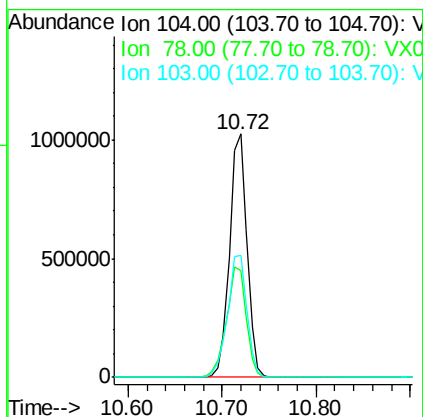
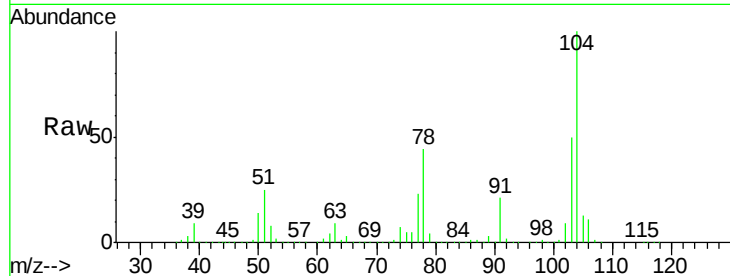
#69
Stvrene
Concen: 150.65 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 1316428
Ion Ratio Lower Upper
104 100
78 51.1 41.8 62.8
103 55.9 44.9 67.3

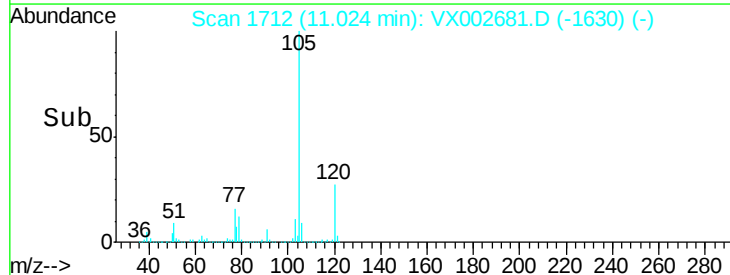
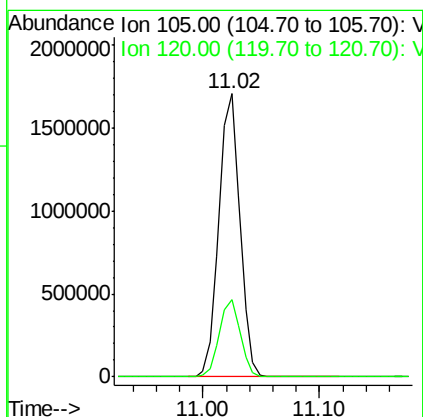
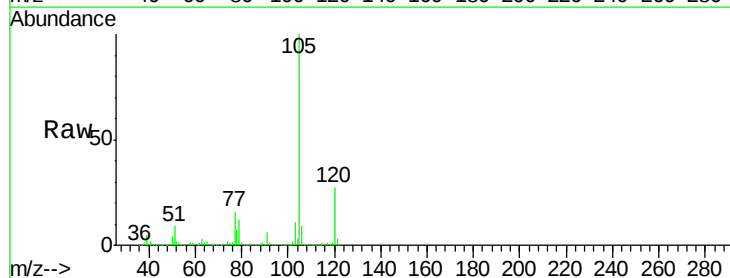
Manual Integrations
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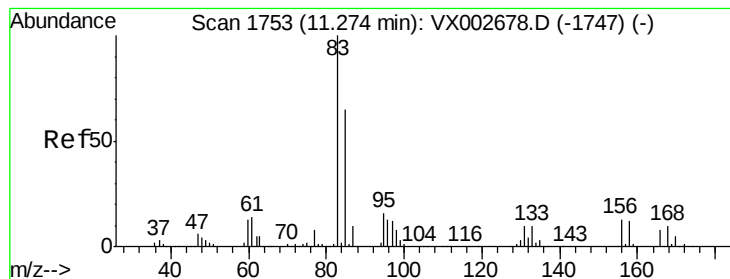
MMDadoda
6/19/2018 1:05:30 PM



#70
Isopropylbenzene
Concen: 152.16 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion:105 Resp: 2120227
Ion Ratio Lower Upper
105 100
120 27.0 19.0 35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 146.05 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 637852

Ion Ratio Lower Upper

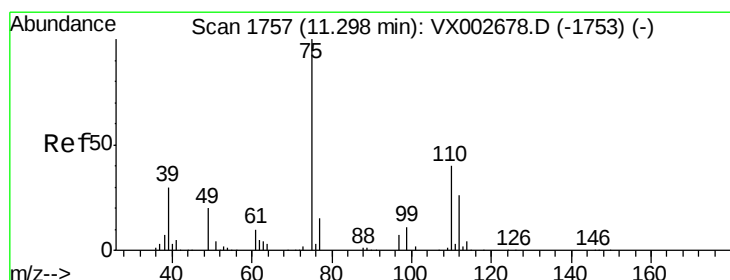
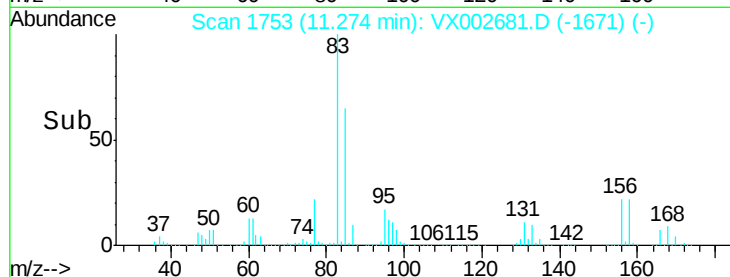
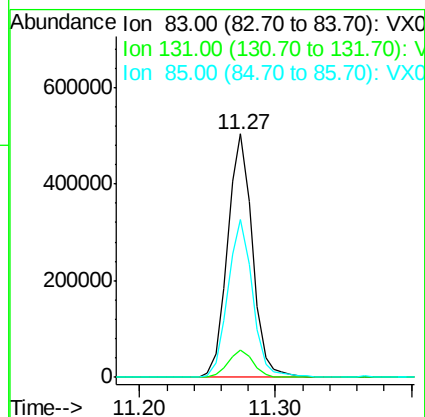
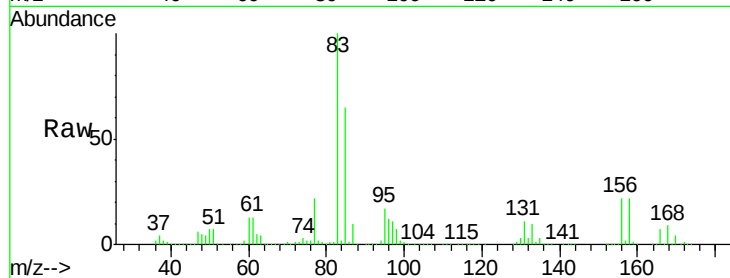
83 100

131 11.2 5.4 16.2

85 64.6 32.4 97.2

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#72

1,2,3-Trichloropropane

Concen: 129.12 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX002681.D

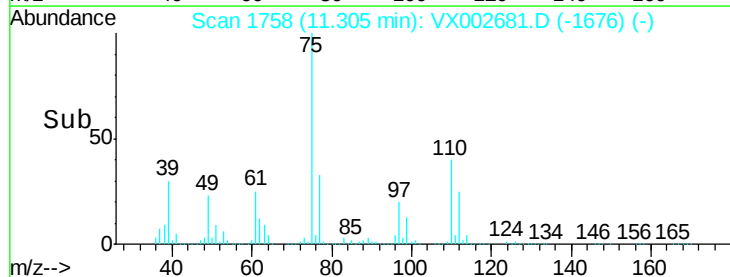
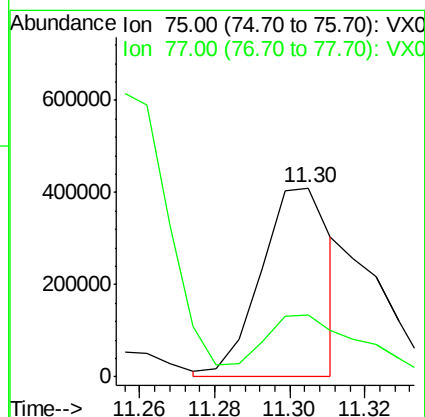
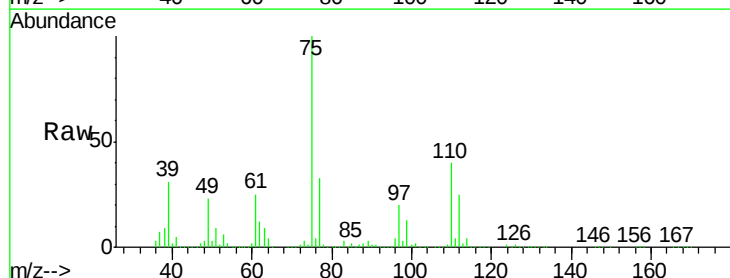
Acq: 18 Jun 2018 14:29

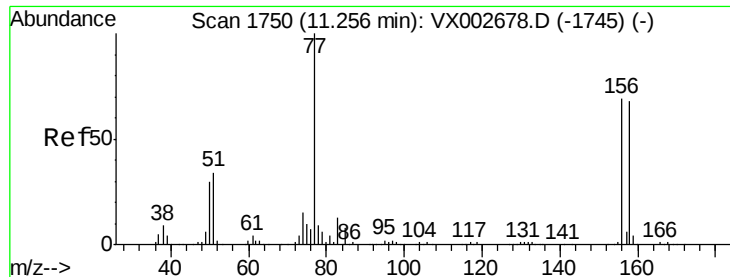
Tgt Ion: 75 Resp: 531149

Ion Ratio Lower Upper

75 100

77 44.5 0.0 71.8





#73

Bromobenzene

Concen: 157.07 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

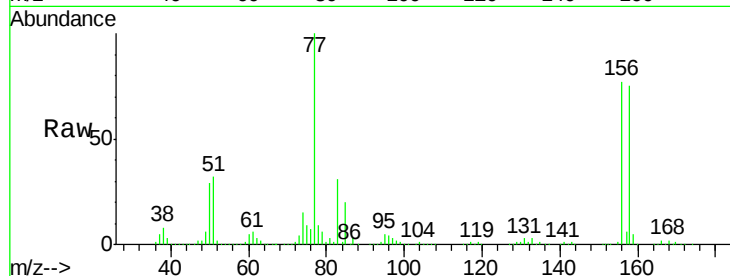
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	587881
Ion Ratio	Lower	Upper	
156	100		
77	136.7	0.0	301.0
158	96.8	0.0	196.2

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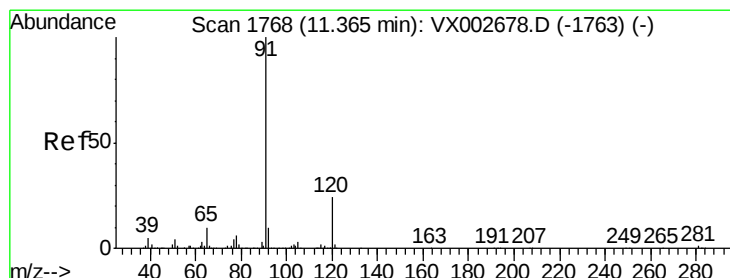
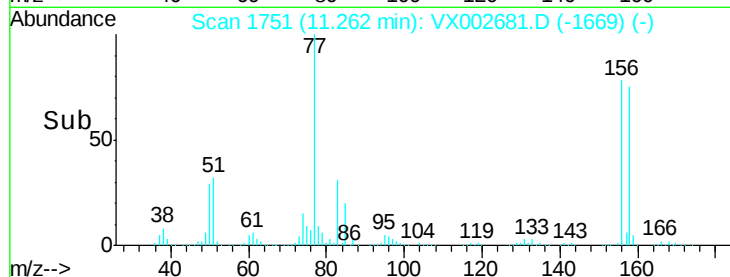
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V

11.26

Time-->



#74

n-propylbenzene

Concen: 156.78 ug/l

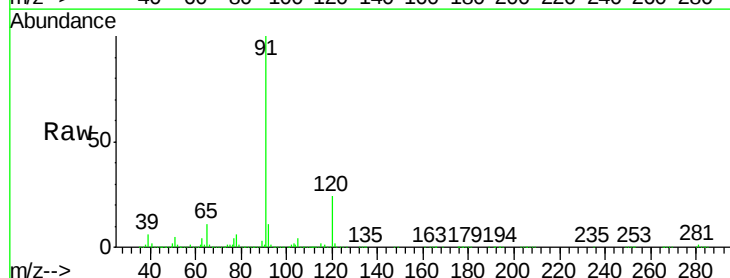
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Tgt Ion:	91	Resp:	2438532
Ion Ratio	Lower	Upper	
91	100		
120	23.9	0.0	46.2

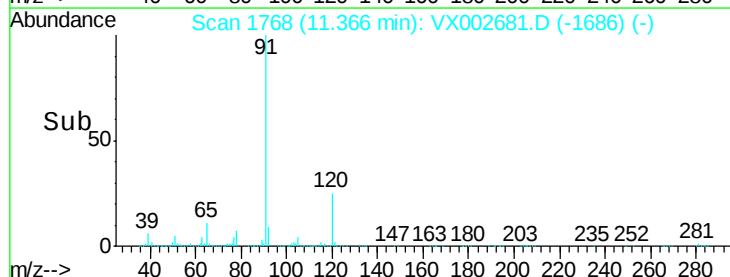


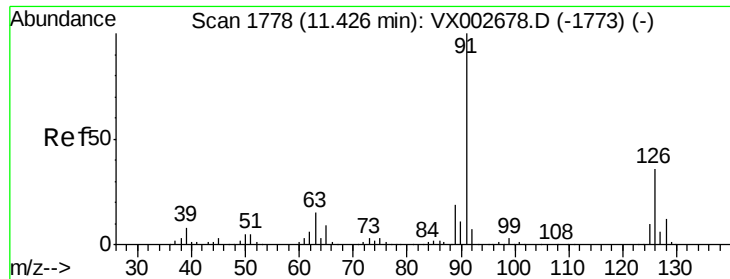
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.37

Time-->





#75

2-Chlorotoluene

Concen: 147.84 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1418206

Ion Ratio Lower Upper

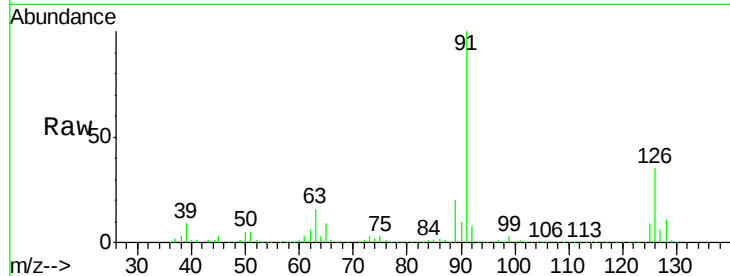
91 100

126 35.9 0.0 69.4

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Abundance Ion 91.00 (90.70 to 91.70): VX002678.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX002678.D (-1773) (-)

2000000

1500000

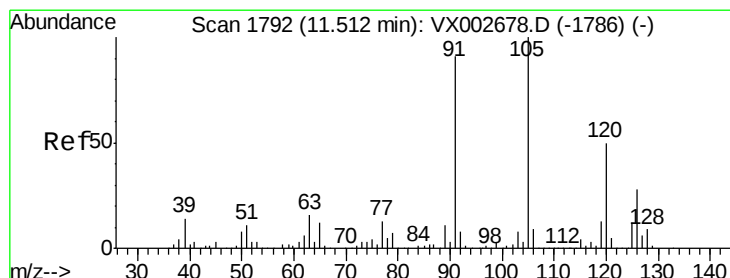
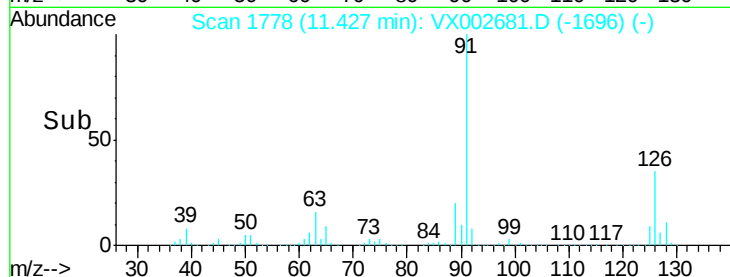
1000000

500000

0

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 153.74 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002681.D

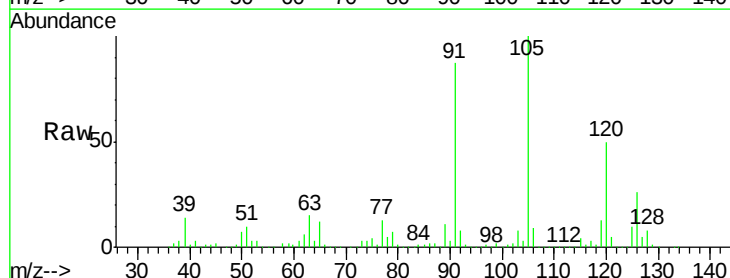
Acq: 18 Jun 2018 14:29

Tgt Ion: 105 Resp: 1821463

Ion Ratio Lower Upper

105 100

120 49.3 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX002678.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002678.D (-1786) (-)

1500000

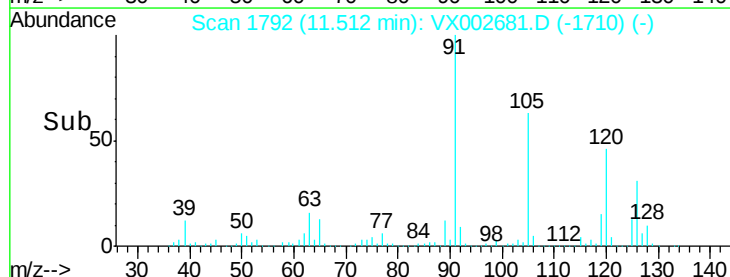
1000000

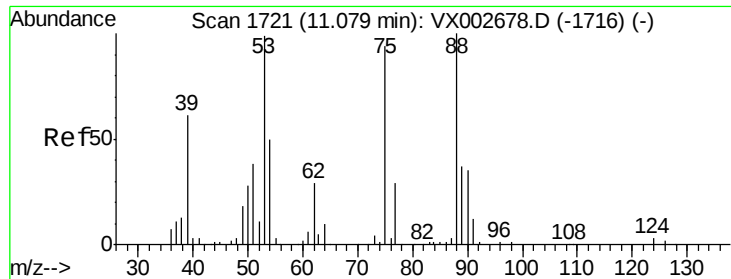
500000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 135.53 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 201987

Ion Ratio Lower Upper

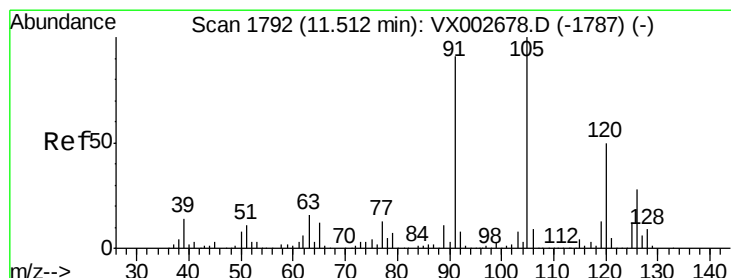
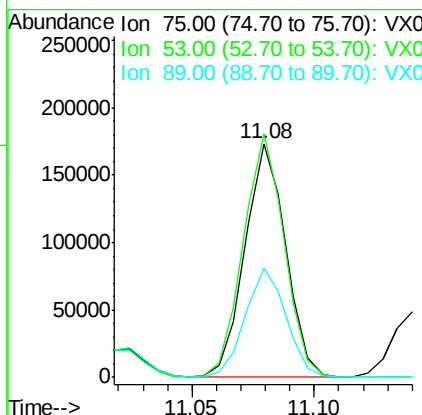
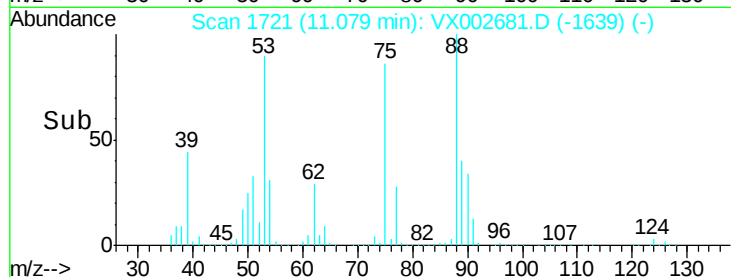
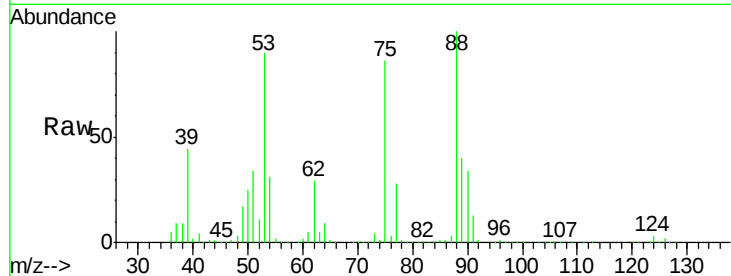
75 100

53 104.4 48.3 144.9

89 46.7 21.8 65.4

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#78

4-Chlorotoluene

Concen: 157.53 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002681.D

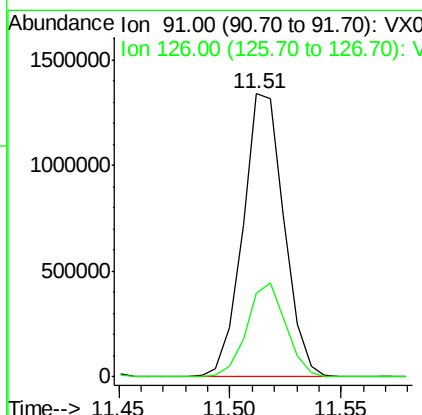
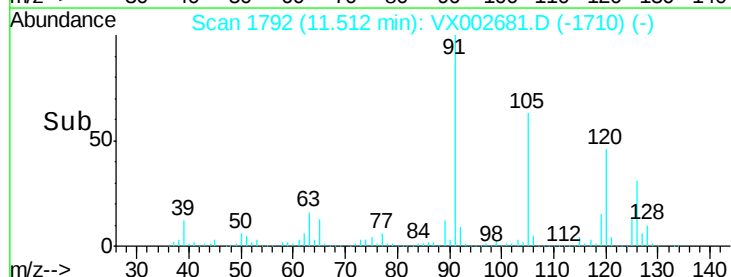
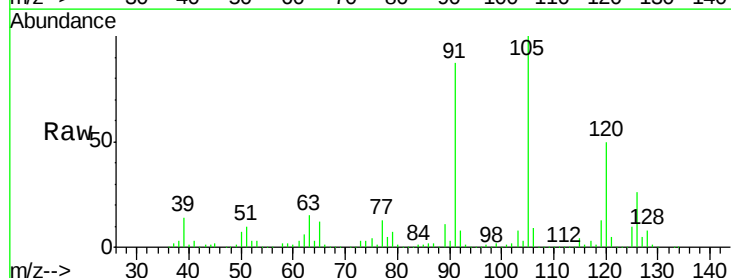
Acq: 18 Jun 2018 14:29

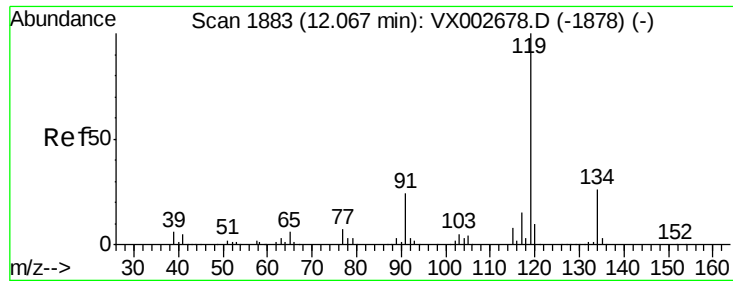
Tgt Ion: 91 Resp: 1718606

Ion Ratio Lower Upper

91 100

126 31.6 0.0 61.0





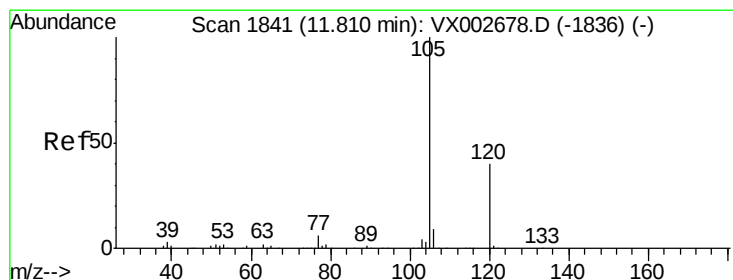
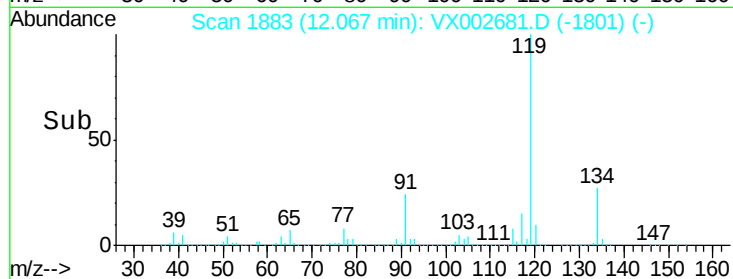
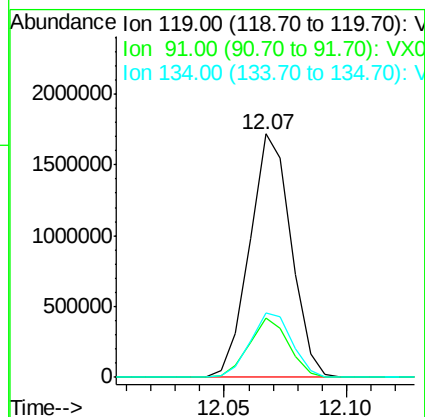
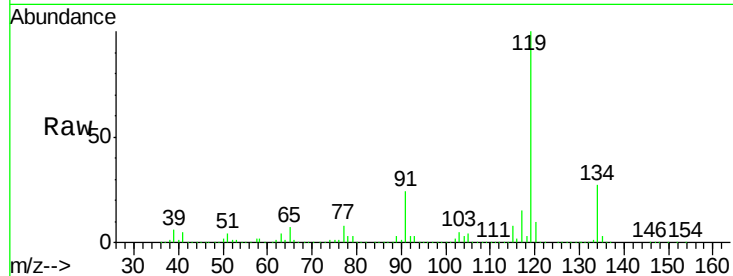
#79
tert-butylbenzene
Concen: 162.36 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	23.7	0.0	48.0
134	27.0	0.0	52.6

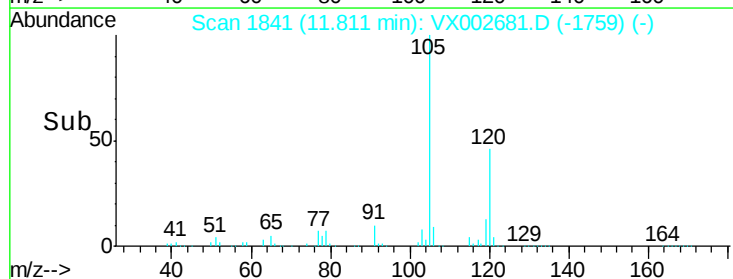
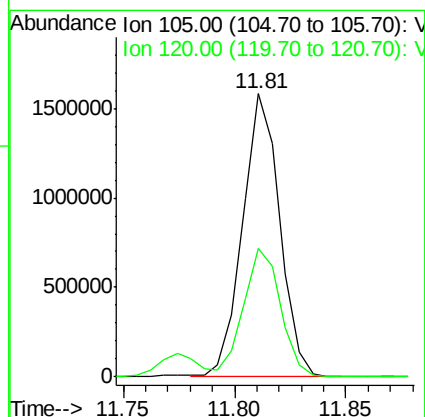
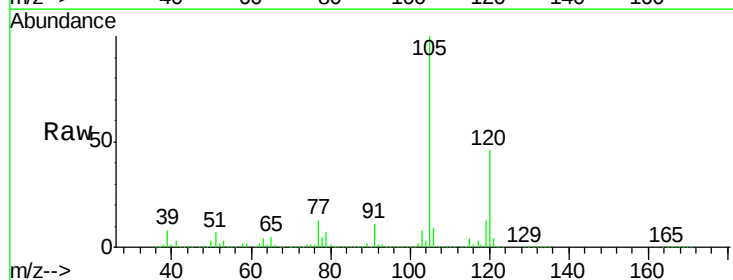
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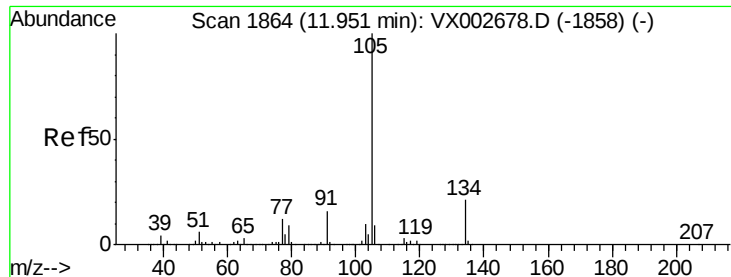
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 153.83 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	0.0	89.2





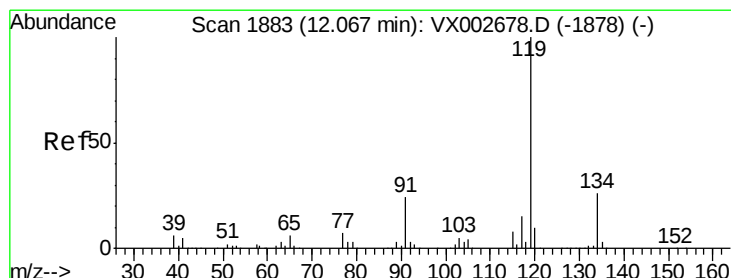
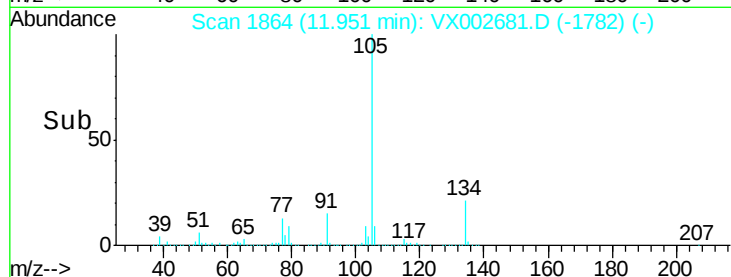
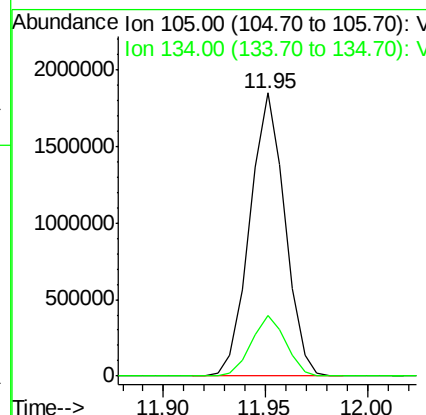
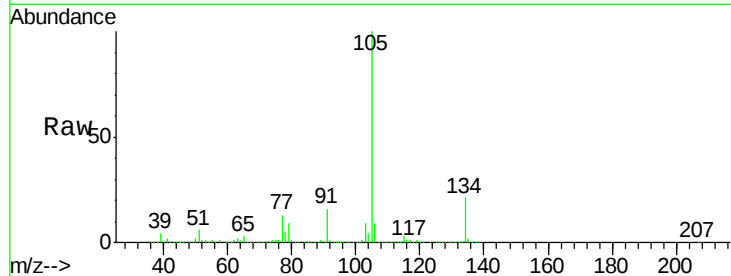
#81
 sec-Butylbenzene
 Concen: 158.92 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2206862
 Ion Ratio Lower Upper
 105 100
 134 21.1 0.0 41.6

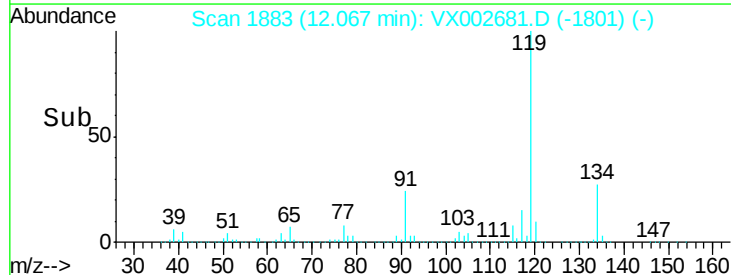
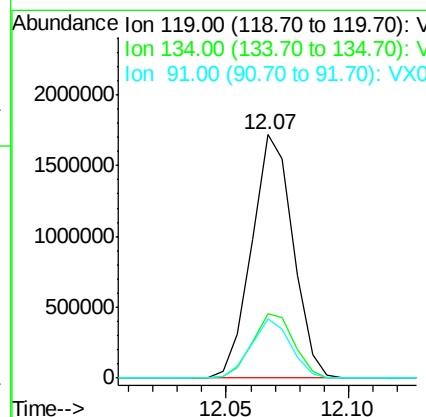
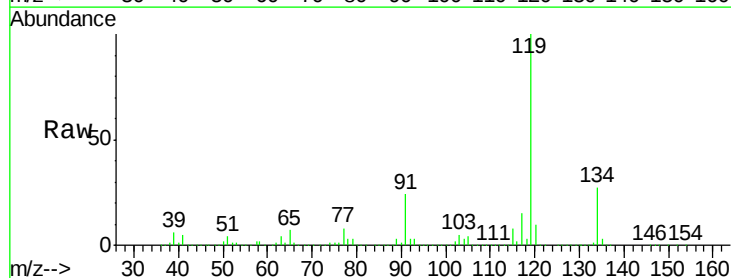
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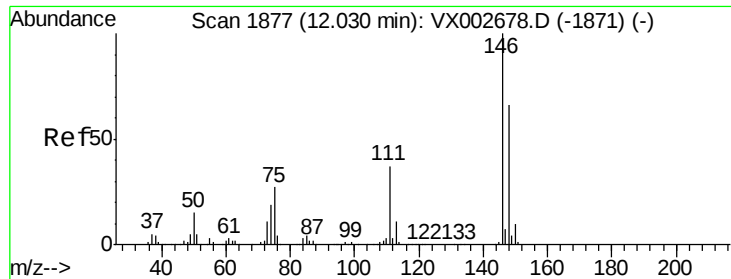
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#82
 p-Isopropyltoluene
 Concen: 162.36 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Tgt Ion:119 Resp: 2016911
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 52.6
 91 23.7 0.0 48.0





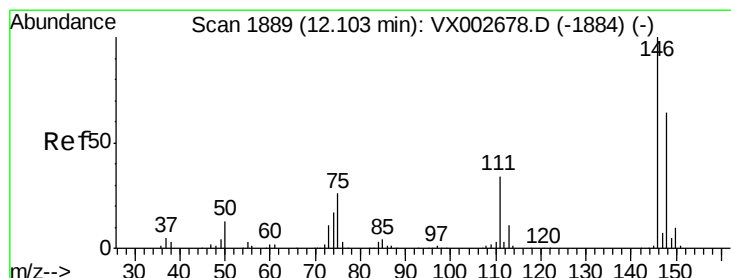
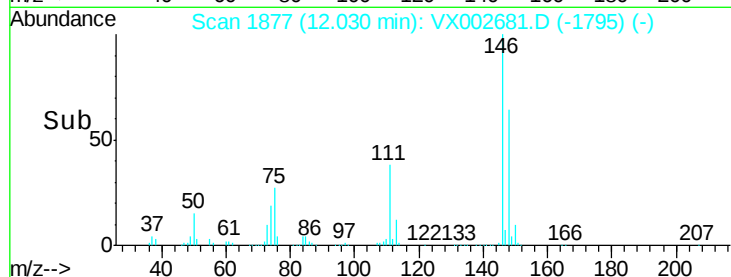
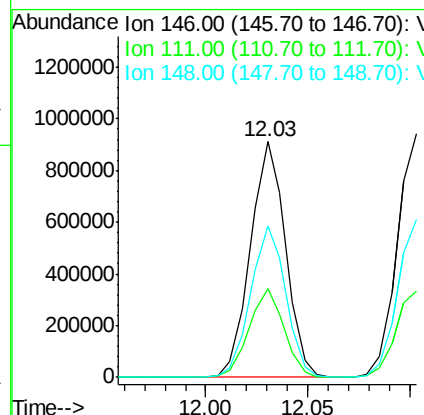
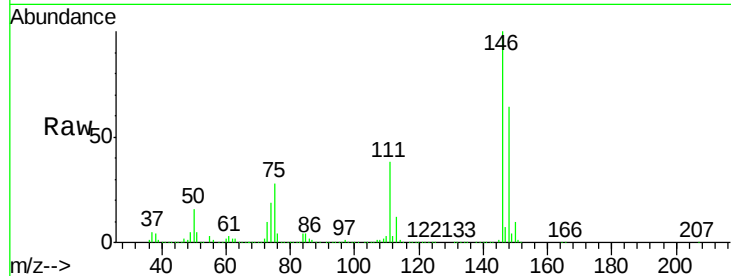
#83
 1,3-Dichlorobenzene
 Concen: 164.55 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1091273
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.1 57.5
 148 64.2 31.9 95.7

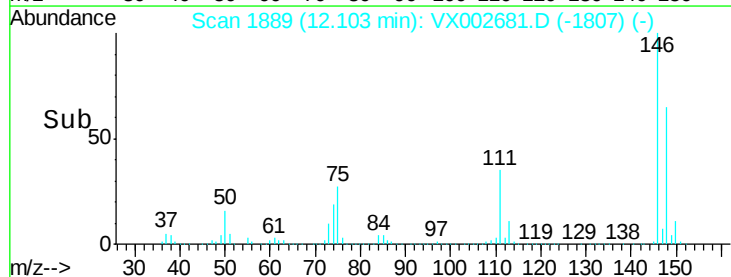
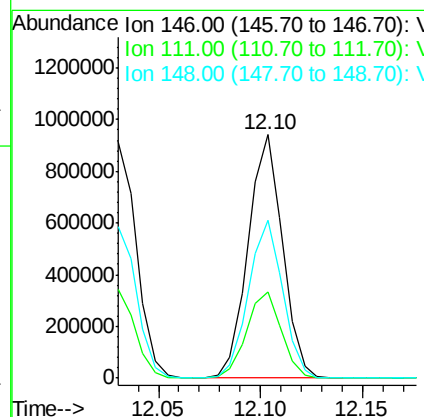
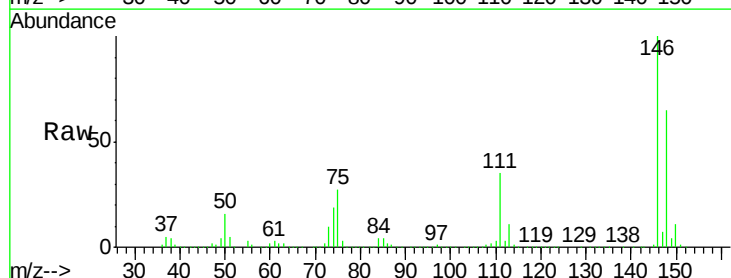
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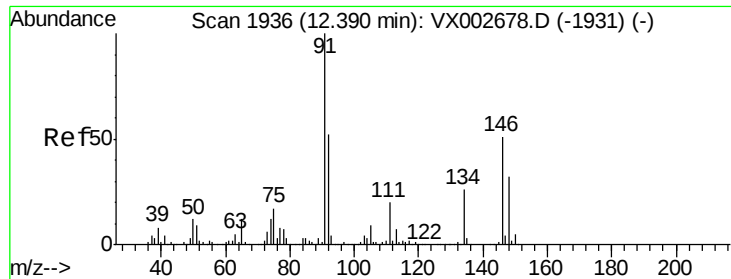
MMDadoda
 6/19/2018 1:05:30 PM



#84
 1,4-Dichlorobenzene
 Concen: 167.25 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Tgt Ion:146 Resp: 1104013
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.5 55.5
 148 64.5 32.0 96.0





#85

n-Butylbenzene

Concen: 175.00 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002681.D

Acq: 18 Jun 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1823176

Ion Ratio Lower Upper

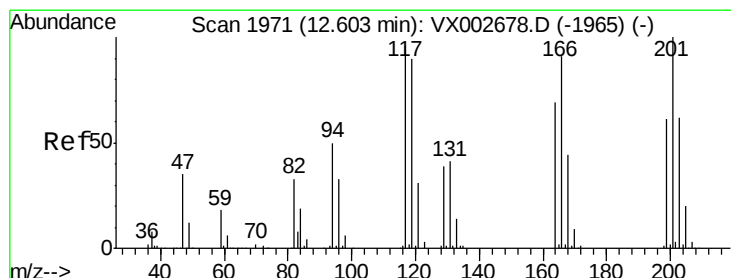
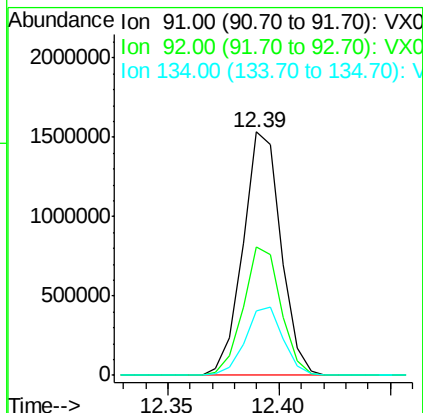
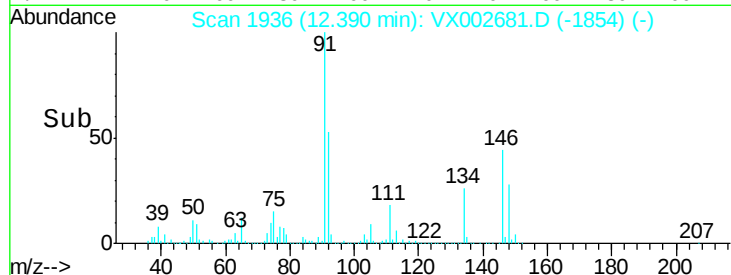
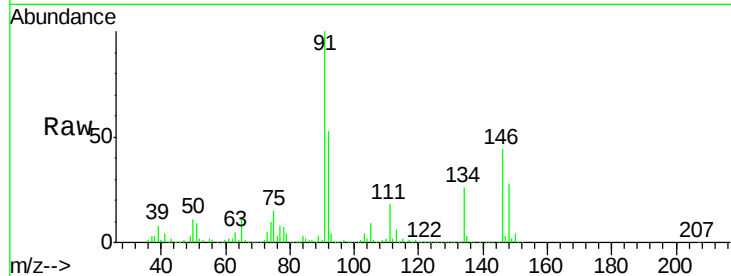
91 100

92 52.4 0.0 105.2

134 27.8 0.0 53.2

Manual Integrations
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#86

Hexachloroethane

Concen: 137.37 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX002681.D

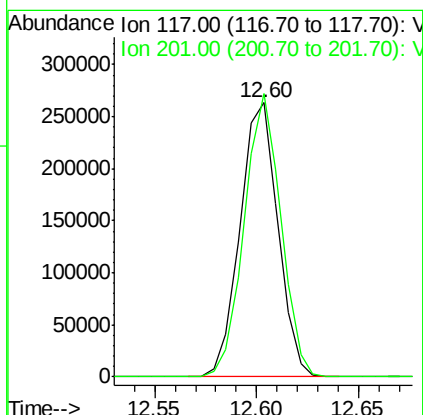
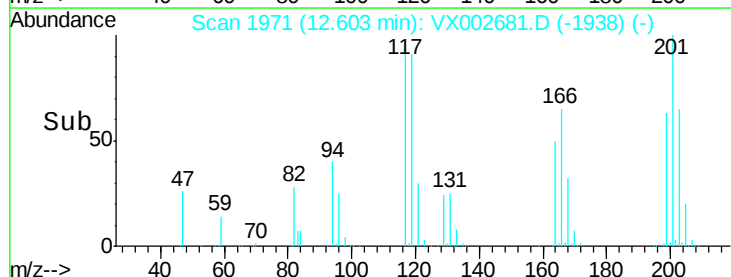
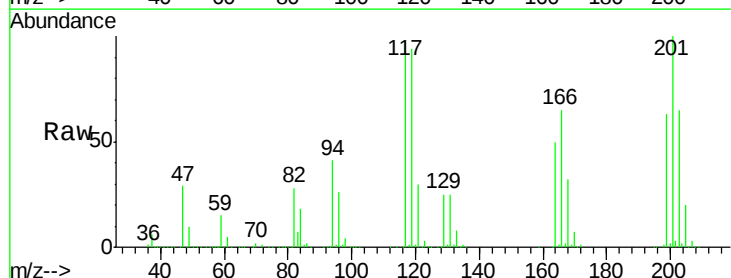
Acq: 18 Jun 2018 14:29

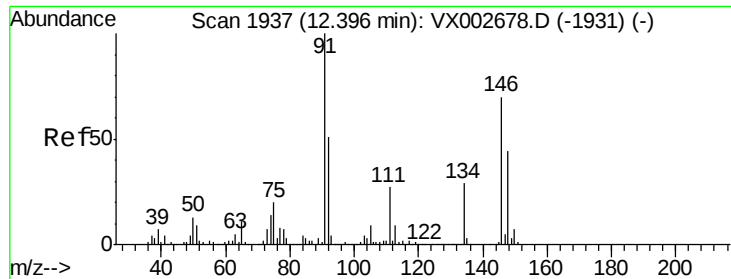
Tgt Ion: 117 Resp: 339597

Ion Ratio Lower Upper

117 100

201 99.7 47.6 142.8





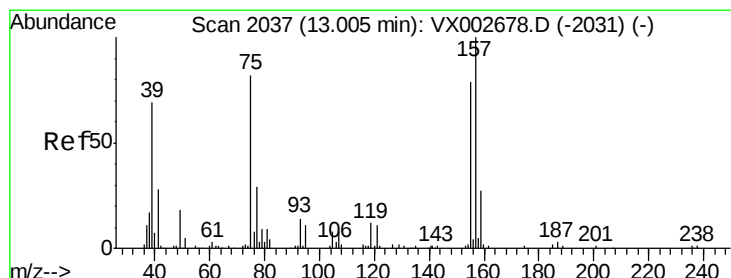
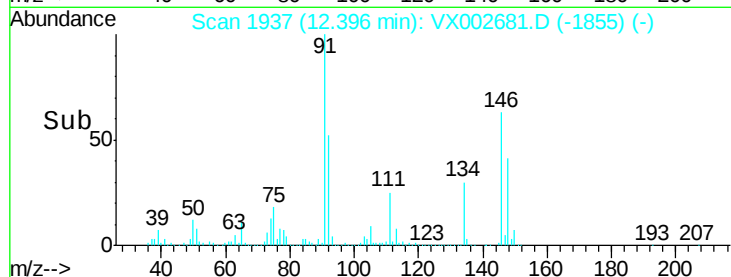
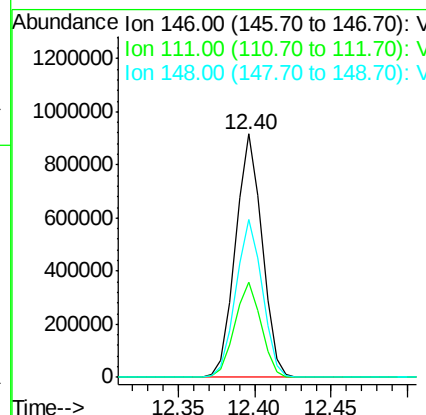
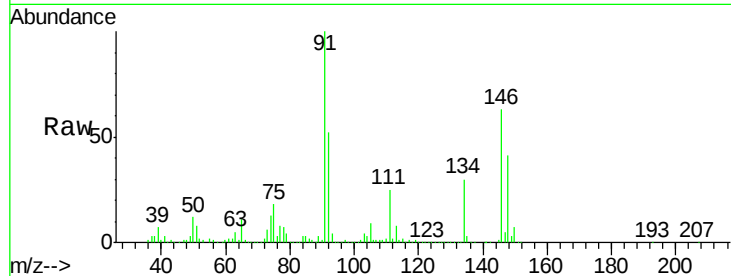
#87
 1,2-Dichlorobenzene
 Concen: 161.26 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	59.9
148	64.4	32.8	98.3

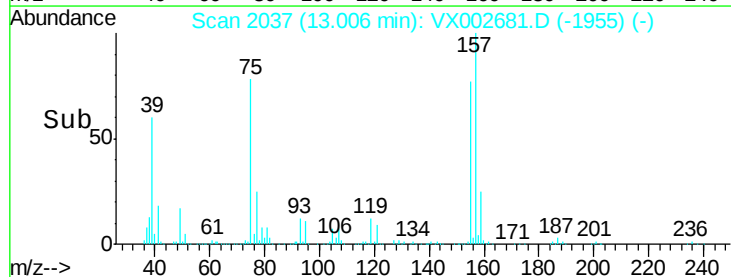
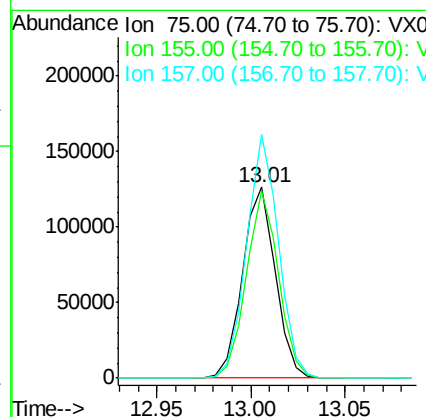
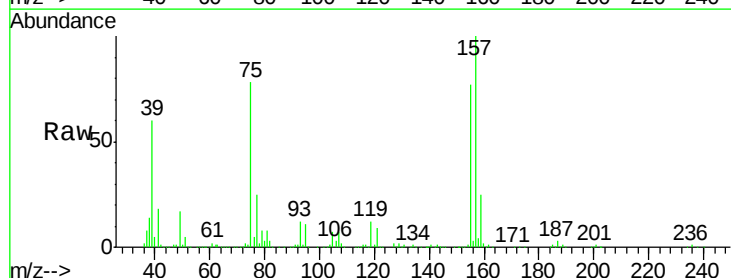
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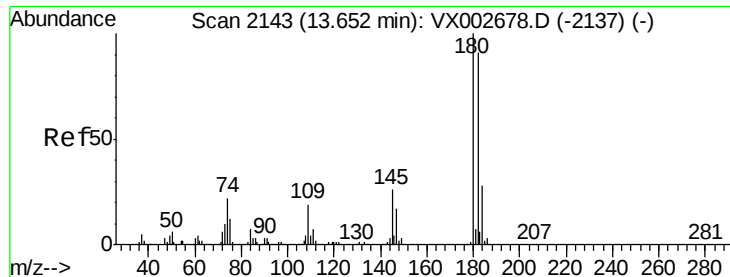
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 119.91 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002681.D
 Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	73.1	109.7
157	124.0	93.1	139.7





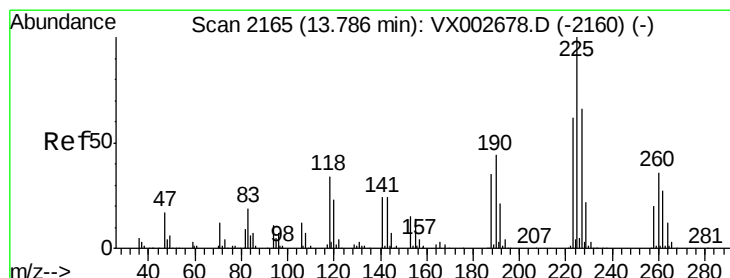
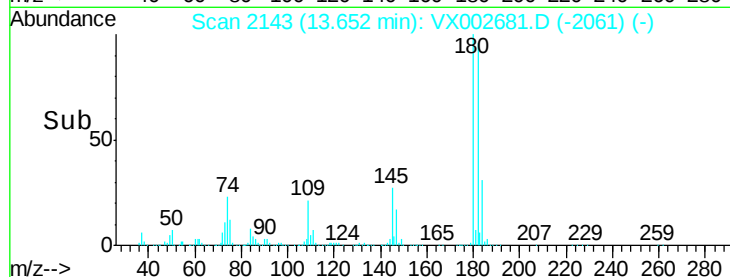
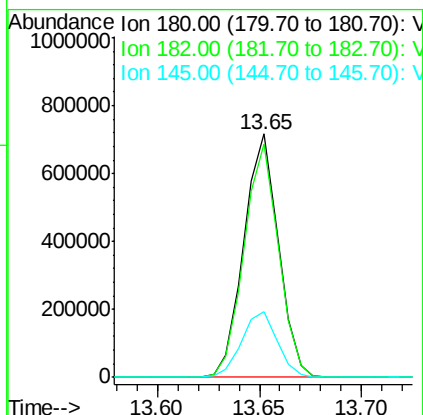
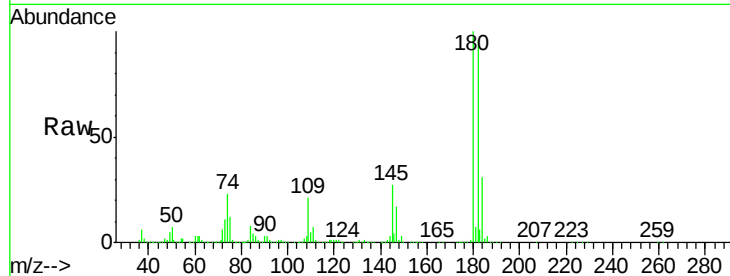
#89
1,2,4-Trichlorobenzene
Concen: 174.82 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	848095		
182	95.5	76.4	114.6	
145	27.8	22.9	34.3	

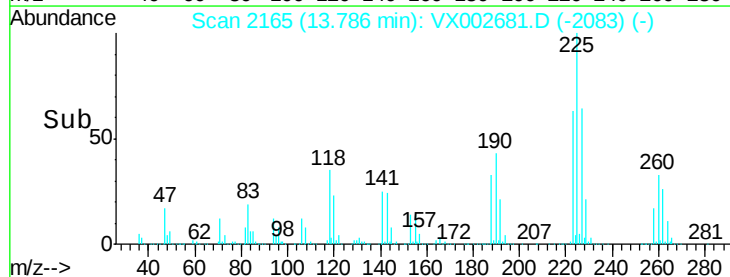
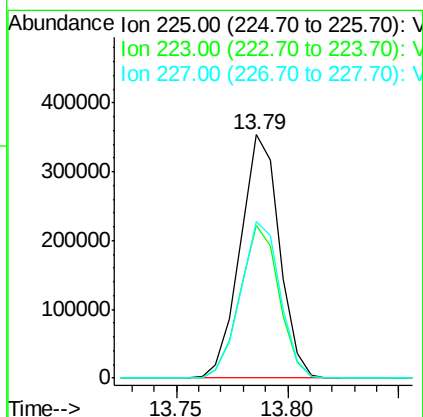
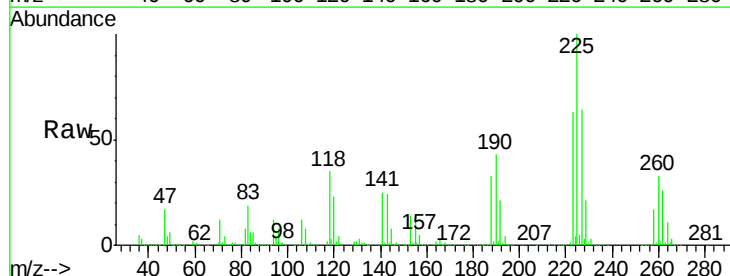
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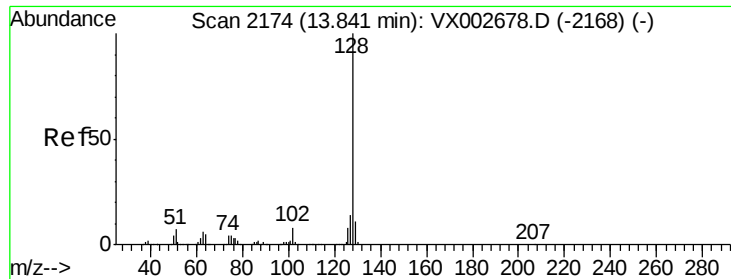
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#90
Hexachlorobutadiene
Concen: 168.37 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	434475		
223	62.5	0.0	122.4	
227	65.0	0.0	128.0	





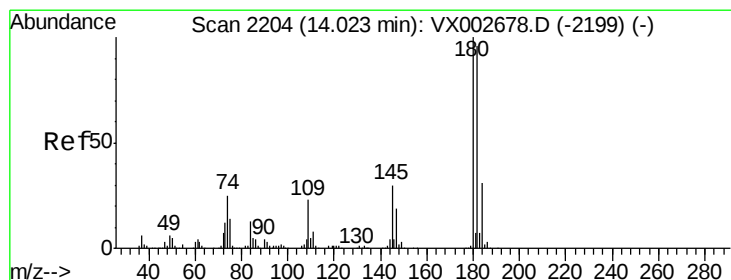
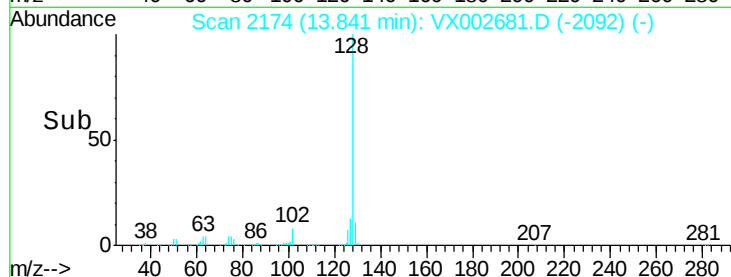
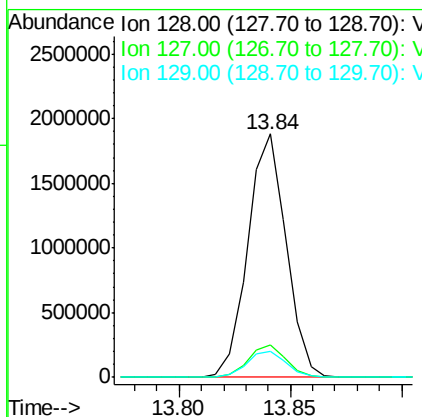
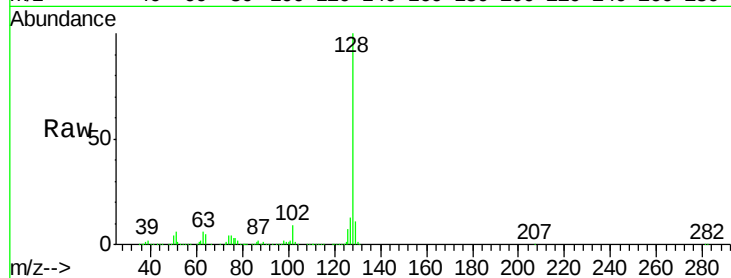
#91
Naphthalene
Concen: 147.63 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.9	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 165.78 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX002681.D
Acq: 18 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	191.0
145	29.4	0.0	60.6

