

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001717.D
 Acq On : 14 May 2018 18:43
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:08 AM

Quant Time: May 15 01:26:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	332719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	441862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	383795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	265600	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	420713	89.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.92%	
35) Dibromofluoromethane	5.51	113	364524	93.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.72%	
50) Toluene-d8	8.72	98	1382278	97.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.54%	
62) 4-Bromofluorobenzene	11.14	95	476898	89.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.18%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	325436	76.23	ug/l	100
3) Chloromethane	1.32	50	332898	78.62	ug/l	100
4) Vinyl Chloride	1.40	62	379529	85.33	ug/l	100
5) Bromomethane	1.64	94	158671	61.35	ug/l	97
6) Chloroethane	1.71	64	237583	81.37	ug/l	99
7) Trichlorofluoromethane	1.92	101	543990	81.78	ug/l	98
8) Diethyl Ether	2.19	74	227777	86.75	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	321156	82.13	ug/l	99
10) Methyl Iodide	2.51	142	347533	66.21	ug/l	99
11) Tert butyl alcohol	3.09	59	380116	395.21	ug/l	100
12) 1,1-Dichloroethene	2.37	96	313273	86.84	ug/l	98
13) Acrolein	2.30	56	271199	902.97	ug/l	99
14) Allyl chloride	2.73	41	603957	89.65	ug/l	99
15) Acrylonitrile	3.16	53	977124	437.88	ug/l	99
16) Acetone	2.45	43	815937	387.60	ug/l	99
17) Carbon Disulfide	2.56	76	842877	91.91	ug/l	99
18) Methyl Acetate	2.78	43	518634	91.88	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1083262	86.23	ug/l	99
20) Methylene Chloride	2.85	84	349193	82.90	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	342409	84.87	ug/l	98
22) Diisopropyl ether	3.88	45	1159829	91.68	ug/l	99
23) Vinyl Acetate	3.83	43	3966342	388.42	ug/l	100
24) 1,1-Dichloroethane	3.70	63	610529	86.89	ug/l	100
25) 2-Butanone	4.72	43	1361590	442.63	ug/l	98
26) 2,2-Dichloropropane	4.59	77	512155	93.86	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	403659	92.93	ug/l	99
28) Bromochloromethane	5.03	49	277984	89.91	ug/l	99
29) Tetrahydrofuran	5.18	42	887618	449.69	ug/l	99
30) Chloroform	5.22	83	650800	89.45	ug/l	99
31) Cyclohexane	5.57	56	569016	93.47	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	587192	92.48	ug/l	99
36) 1,1-Dichloropropene	5.80	75	495117	89.40	ug/l	100
37) Ethyl Acetate	4.87	43	528320	87.66	ug/l	100
38) Carbon Tetrachloride	5.79	117	532215	90.68	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	611957	93.46	ug/l	99
40) Benzene	6.15	78	1471064	90.96	ug/l	99
41) Methacrylonitrile	5.07	41	304820	88.13	ug/l	99
42) 1,2-Dichloroethane	6.20	62	514346	83.57	ug/l	100
43) Isopropyl Acetate	6.48	43	864959	93.41	ug/l	99
44) Trichloroethene	7.22	130	451887	90.93	ug/l	98
45) 1,2-Dichloropropane	7.52	63	363012	89.98	ug/l	99
46) Dibromomethane	7.67	93	249946	87.85	ug/l	98
47) Bromodichloromethane	7.90	83	501534	95.33	ug/l	98
48) Methyl methacrylate	7.79	41	458611	91.25	ug/l	98
49) 1,4-Dioxane	7.77	88	181722	1710.02	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	2767276	451.10	ug/l	99
52) Toluene	8.79	92	974333	92.17	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	615429	103.00	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	524977	97.86	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	351336	83.22	ug/l	99
56) Ethyl methacrylate	9.19	69	550103	90.73	ug/l	99
57) 1,3-Dichloropropane	9.38	76	589714	84.64	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1457263	485.31	ug/l	100
59) 2-Hexanone	9.51	43	1949051	420.13	ug/l	99
60) Dibromochloromethane	9.59	129	403372	93.92	ug/l	100
61) 1,2-Dibromoethane	9.68	107	381901	86.43	ug/l	99
64) Tetrachloroethene	9.34	164	472104	89.34	ug/l	99
65) Chlorobenzene	10.15	112	1031098	92.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	385070	97.01	ug/l	99
67) Ethyl Benzene	10.26	91	1701037	93.33	ug/l	99
68) m/p-Xylenes	10.37	106	1359055	188.92	ug/l	99
69) o-Xylene	10.71	106	661456	94.85	ug/l	99
70) Styrene	10.72	104	1106858	97.51	ug/l	100
71) Bromoform	10.87	173	351018	108.13	ug/l	99
73) Isopropylbenzene	11.02	105	1743659	95.04	ug/l	100
74) N-amyl acetate	6.48	43	864959	102.69	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	517349	95.57	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	501576m	93.12	ug/l	
77) Bromobenzene	11.26	156	503979	94.19	ug/l	100
78) n-propylbenzene	11.37	91	1955884	97.72	ug/l	100
79) 2-Chlorotoluene	11.43	91	1155695	94.18	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1458655	95.66	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	170800	120.23	ug/l	95
82) 4-Chlorotoluene	11.52	91	1358866	95.91	ug/l	100
83) tert-Butylbenzene	11.77	119	1496663	98.98	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1516197	96.72	ug/l	100
85) sec-Butylbenzene	11.95	105	1781675	97.75	ug/l	100
86) p-Isopropyltoluene	12.07	119	1656651	99.29	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	929918	97.36	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	936217	96.06	ug/l	100
89) n-Butylbenzene	12.40	91	1437079	103.26	ug/l	99
90) Hexachloroethane	12.60	117	280868	110.59	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	922384	95.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	122126	103.08	ug/l	97

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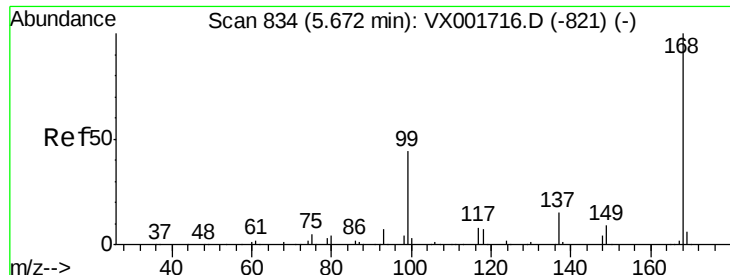
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	749544	104.45	ug/l	99
94) Hexachlorobutadiene	13.79	225	396404	101.05	ug/l	100
95) Naphthalene	13.84	128	2037055	103.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	742438	101.27	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:168 Resp: 332719

Ion Ratio Lower Upper

168 100

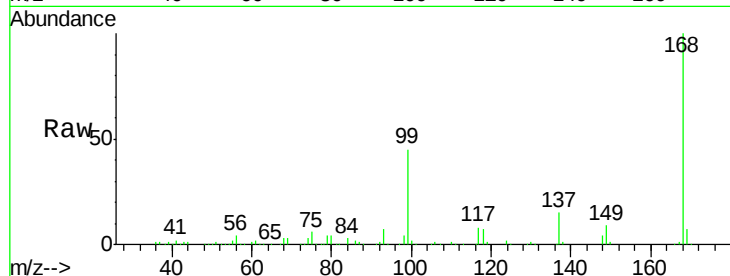
99 45.0 35.0 52.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

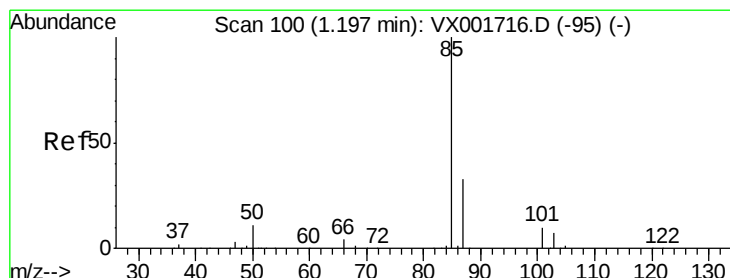
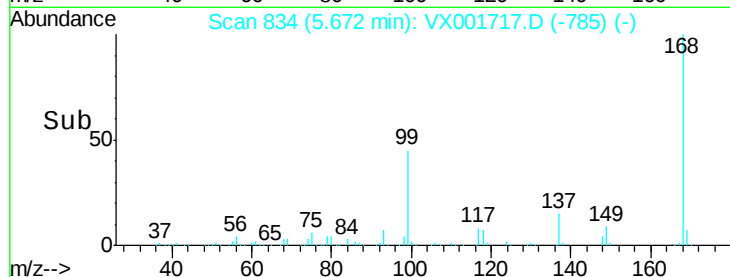
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 76.23 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001717.D

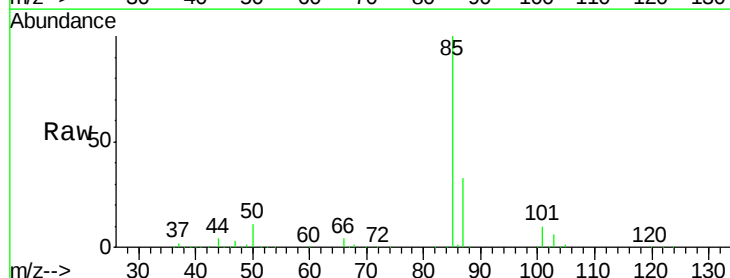
Acq: 14 May 2018 18:43

Tgt Ion: 85 Resp: 325436

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

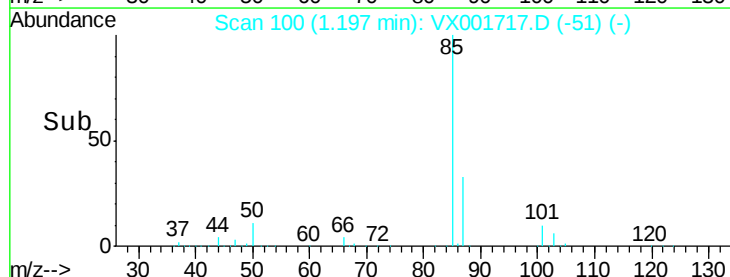
300000

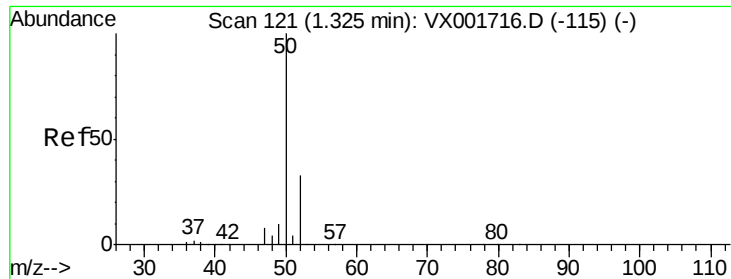
200000

100000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 78.62 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 332898

Ion Ratio Lower Upper

50 100

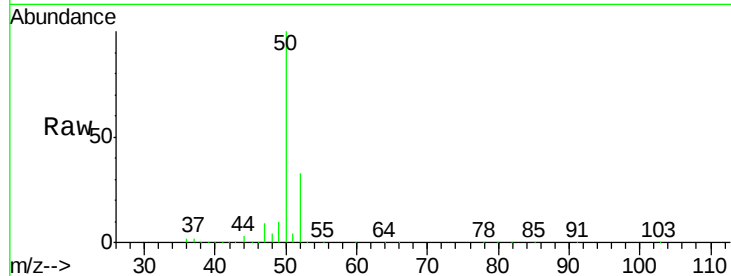
52 32.9 26.3 39.5

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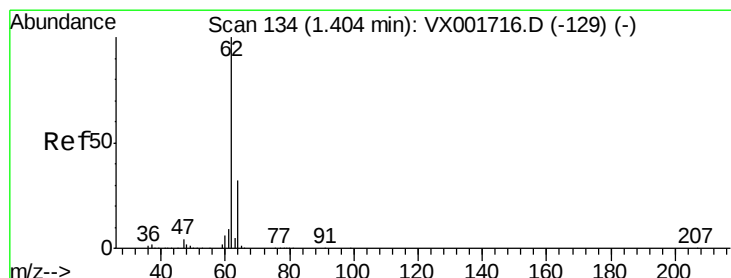
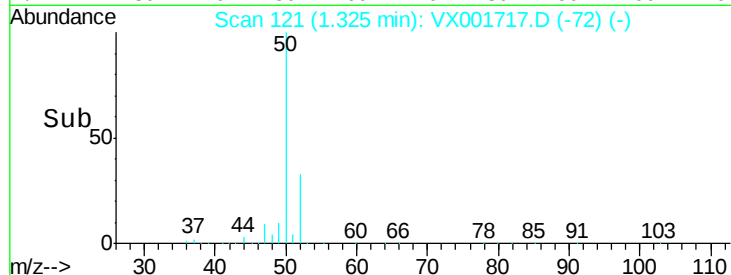
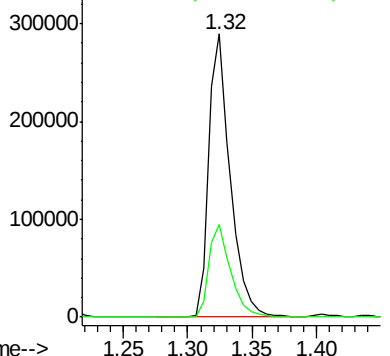
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 85.33 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001717.D

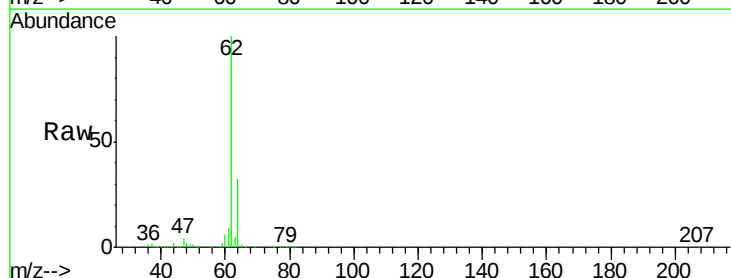
Acq: 14 May 2018 18:43

Tgt Ion: 62 Resp: 379529

Ion Ratio Lower Upper

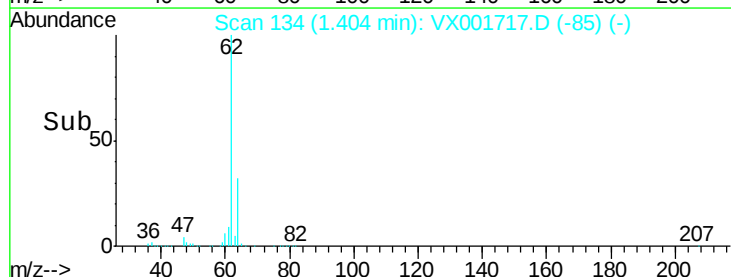
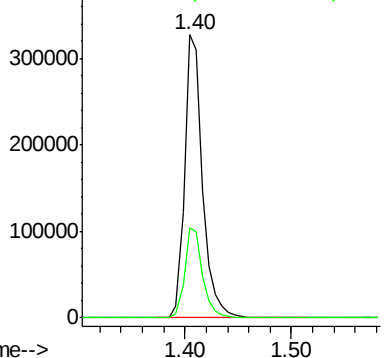
62 100

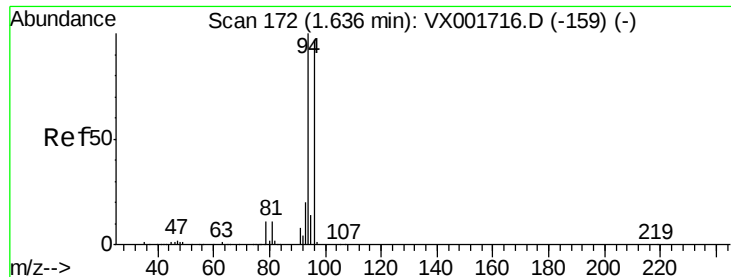
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 61.35 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 158671

Ion Ratio Lower Upper

94 100

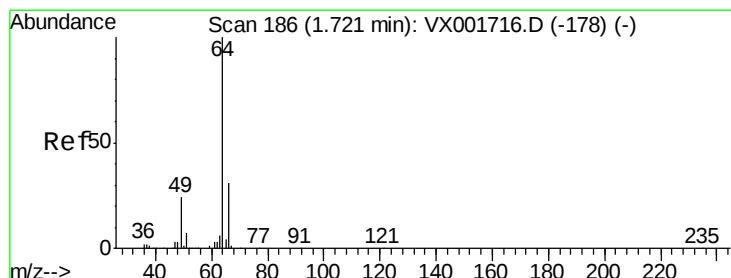
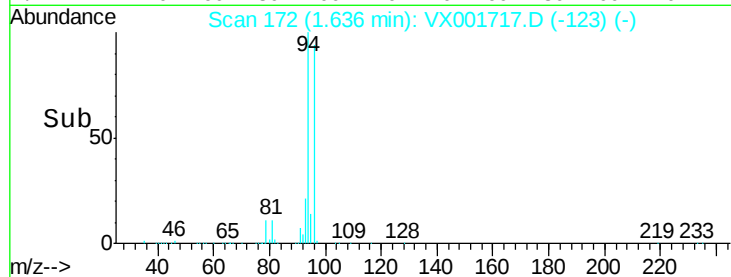
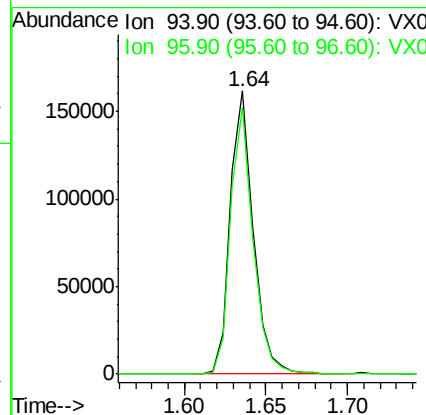
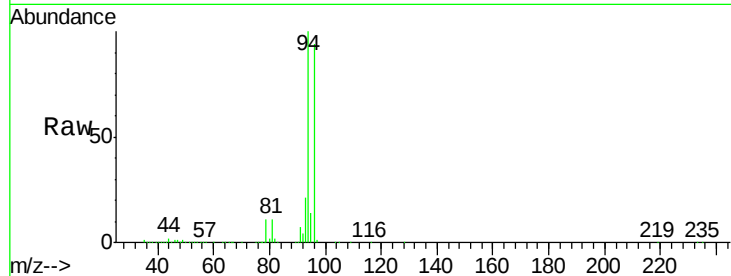
96 94.2 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 81.37 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX001717.D

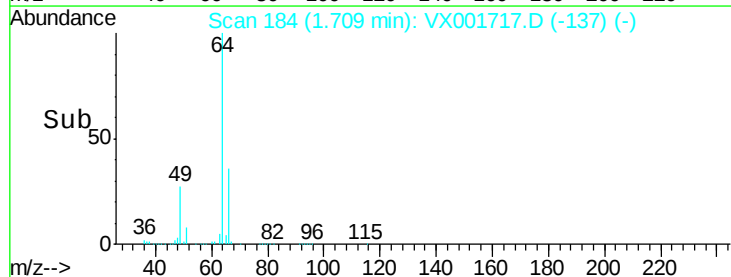
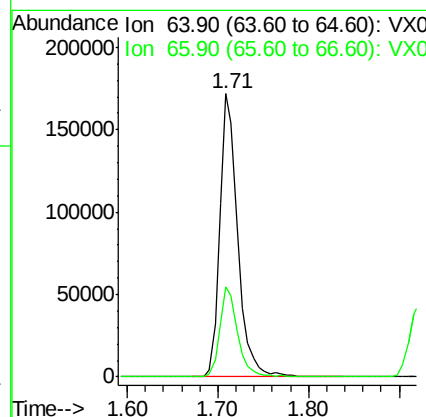
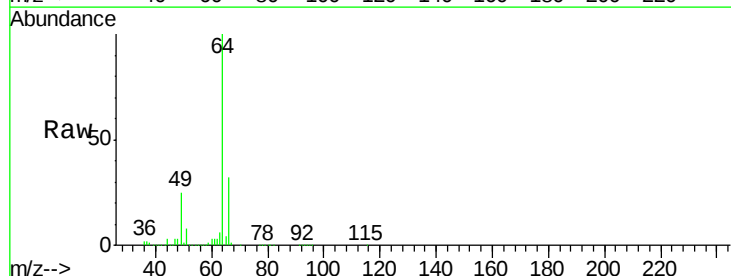
Acq: 14 May 2018 18:43

Tgt Ion: 64 Resp: 237583

Ion Ratio Lower Upper

64 100

66 31.8 25.2 37.8





#7

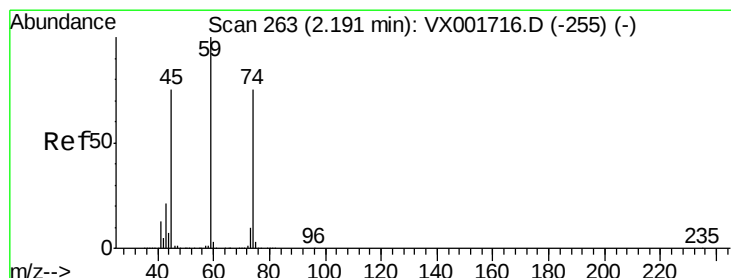
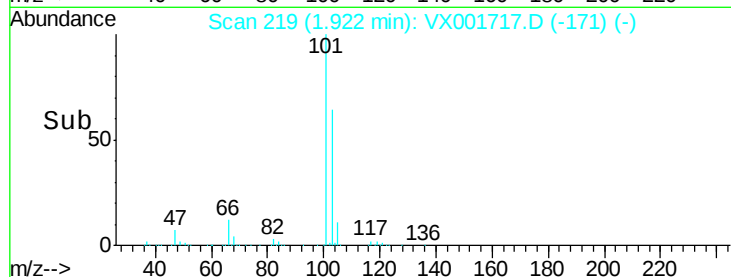
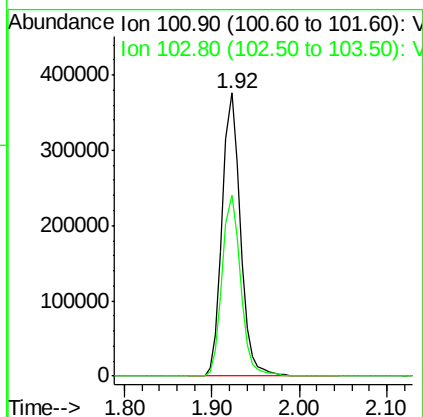
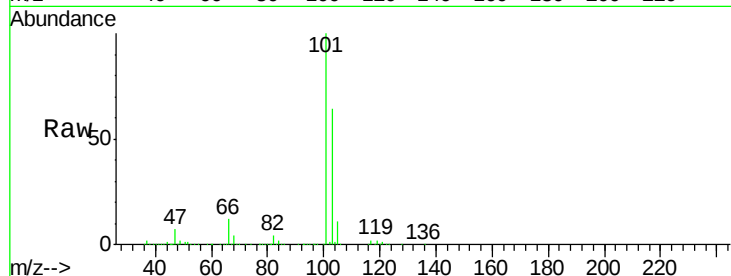
Trichlorofluoromethane
Concen: 81.78 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	543990		
103	64.0	52.6	78.8	

Manual Integrations
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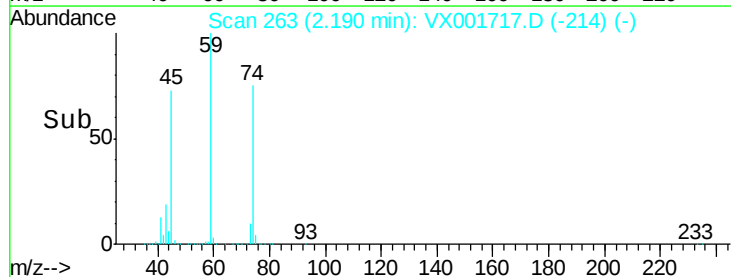
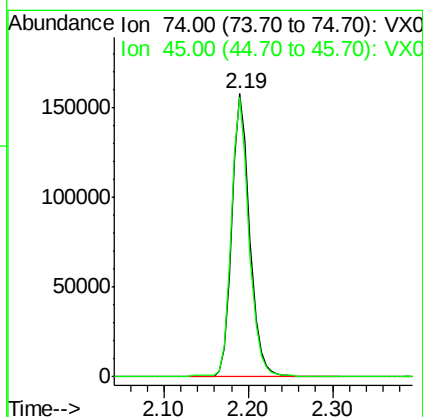
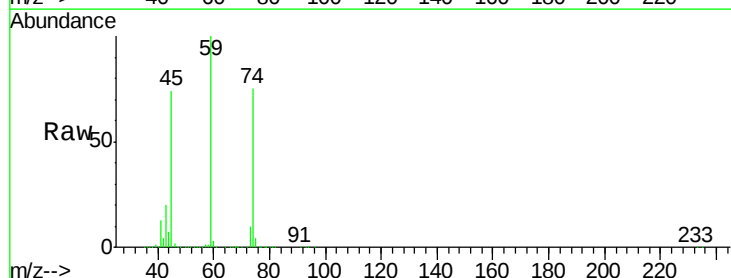
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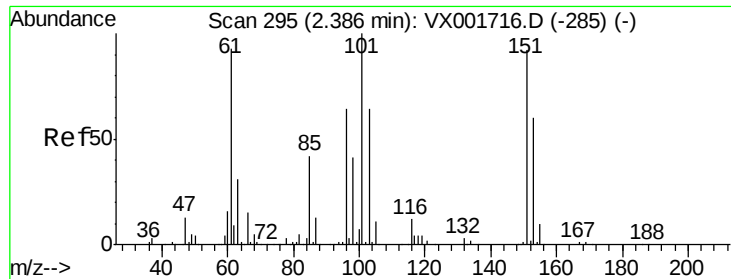


#8

Diethyl Ether
Concen: 86.75 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	227777		
45	98.1	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 82.13 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 321156

Ion Ratio Lower Upper

101 100

85 41.7 33.7 50.5

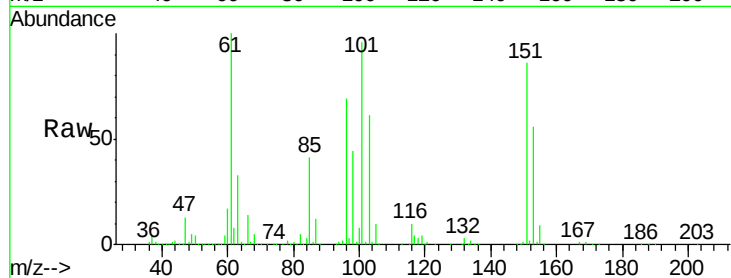
151 90.7 73.0 109.6

Manual Integrations

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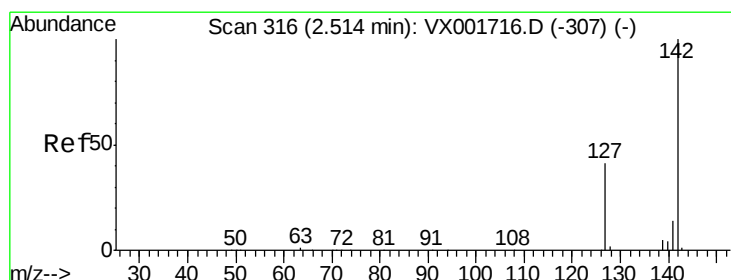
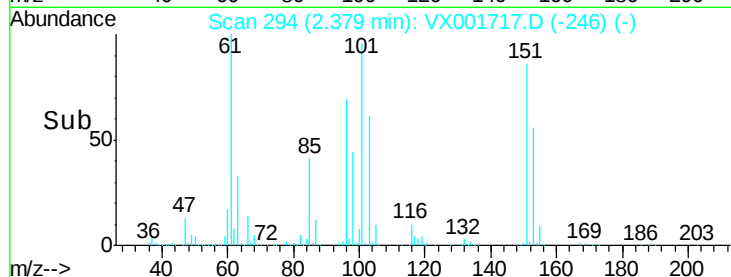
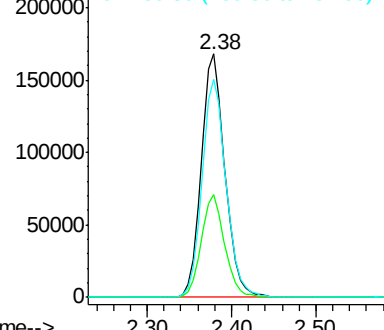
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 66.21 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

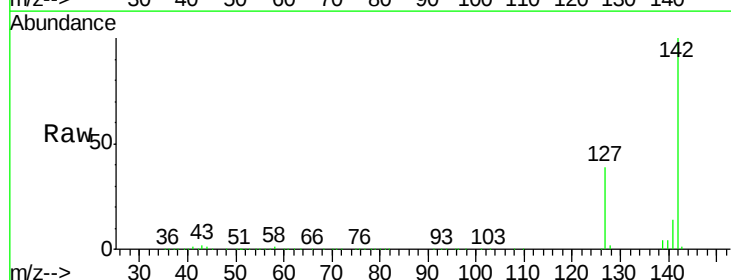
Tgt Ion:142 Resp: 347533

Ion Ratio Lower Upper

142 100

127 39.7 32.5 48.7

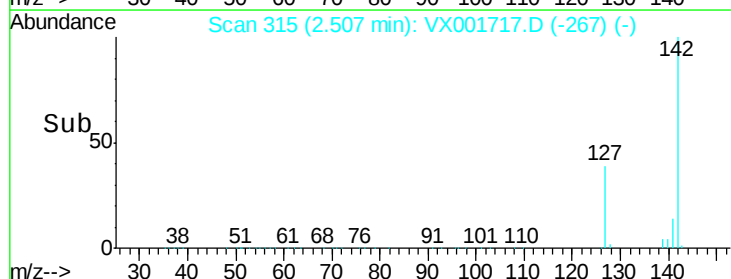
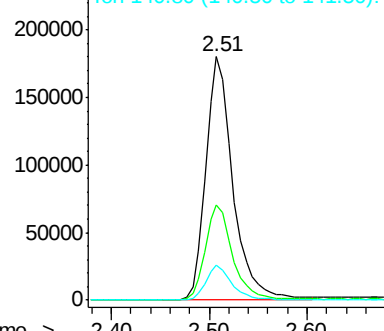
141 14.1 11.4 17.0

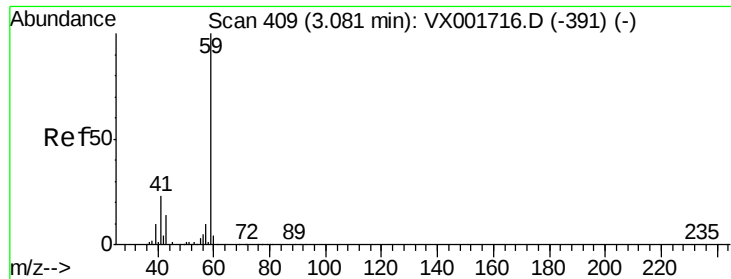


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





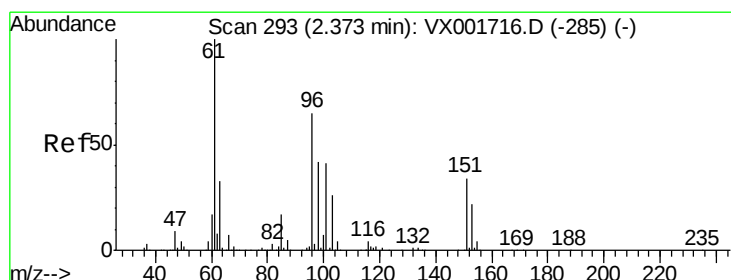
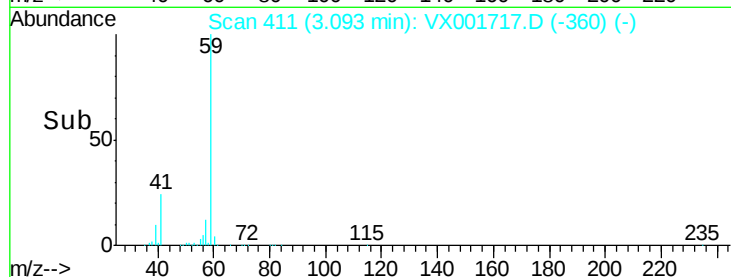
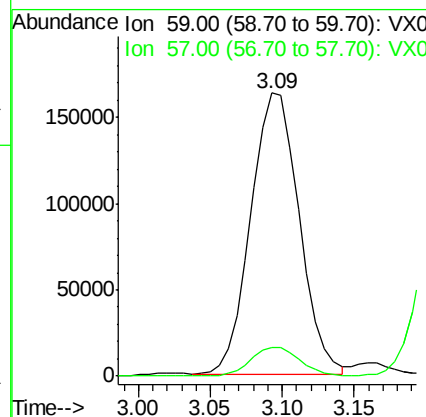
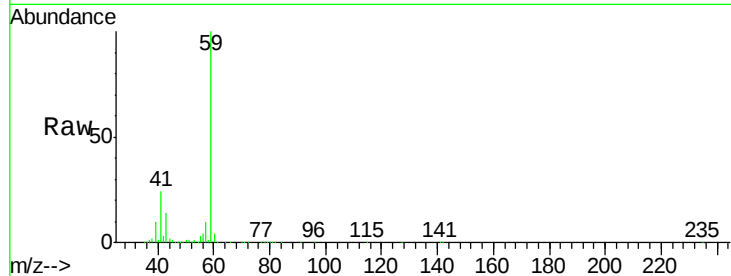
#11
Tert butyl alcohol
Concen: 395.21 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

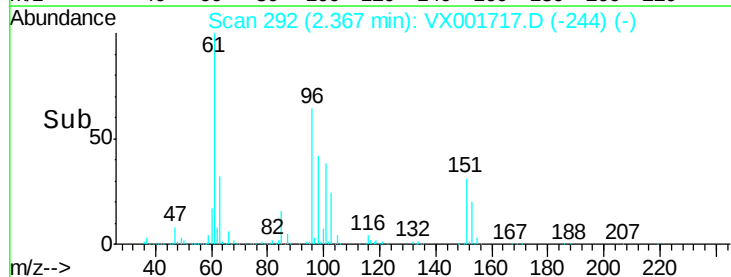
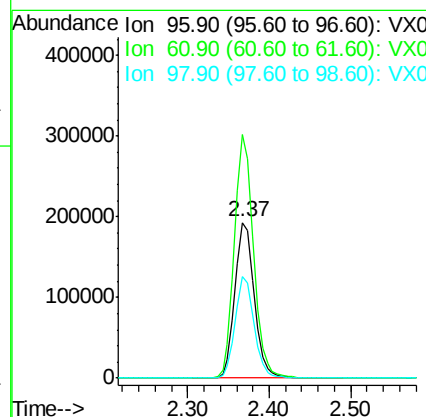
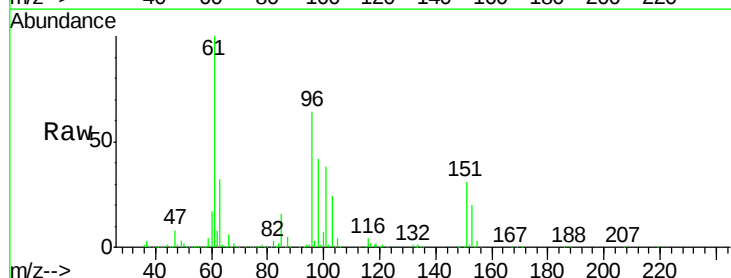
Manual Integrations
APPROVED

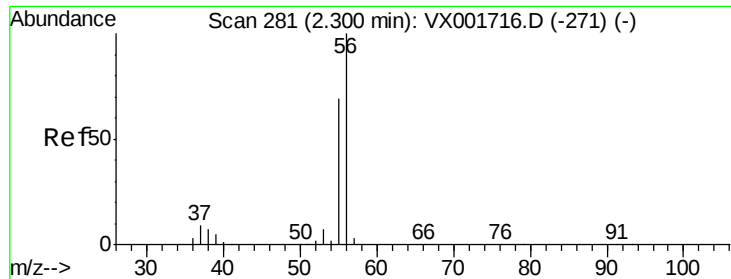
MMDadoda
5/16/2018 11:54:08 AM



#12
1,1-Dichloroethene
Concen: 86.84 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	122.2	183.2
98	65.0	51.4	77.0





#13

Acrolein

Concen: 902.97 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 271199

Ion Ratio Lower Upper

56 100

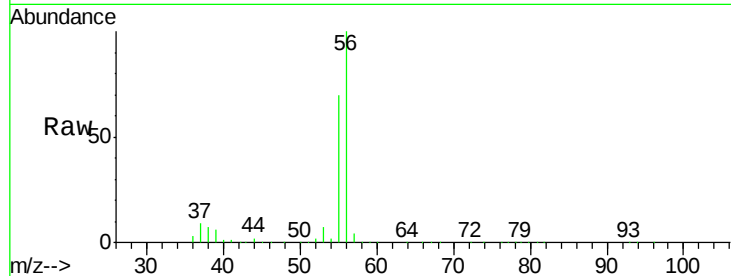
55 70.7 56.2 84.2

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

200000

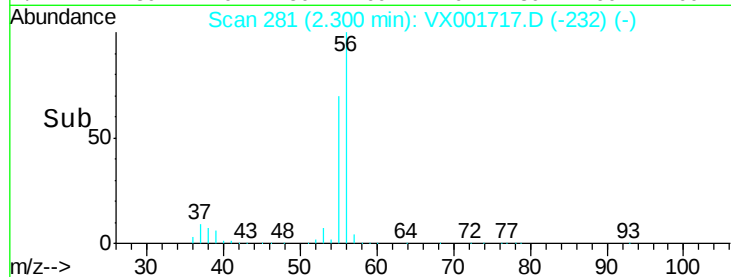
150000

100000

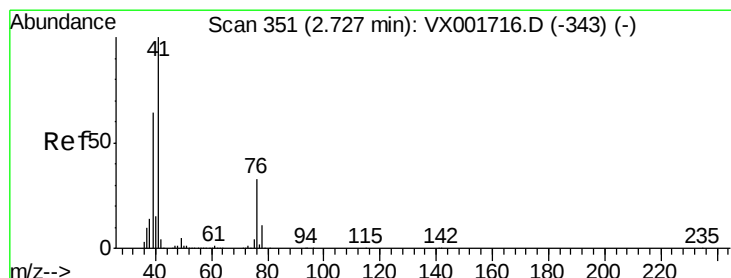
50000

0

Time-->



Time-->



#14

Allyl chloride

Concen: 89.65 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

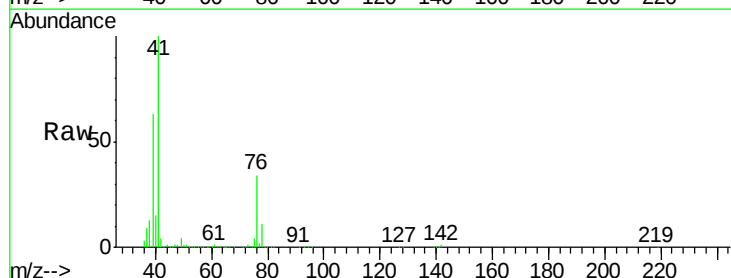
Tgt Ion: 41 Resp: 603957

Ion Ratio Lower Upper

41 100

39 61.0 49.8 74.6

76 32.2 25.8 38.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

400000

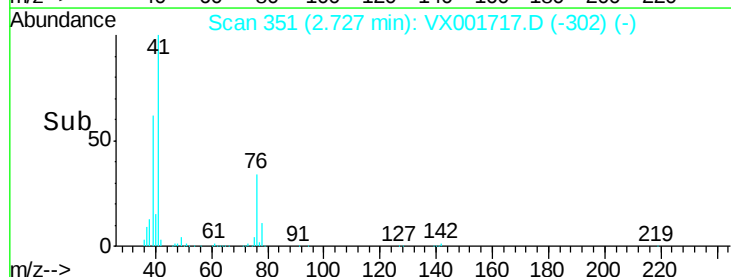
300000

200000

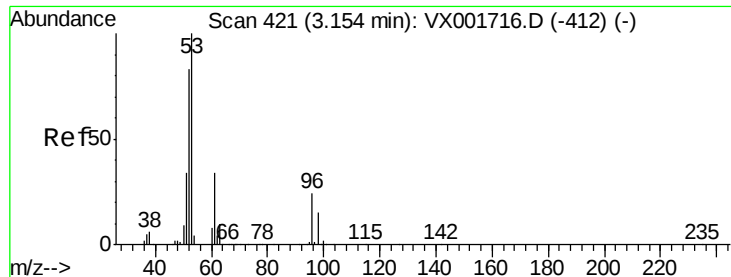
100000

0

Time-->



Time-->



#15

Acrylonitrile

Concen: 437.88 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

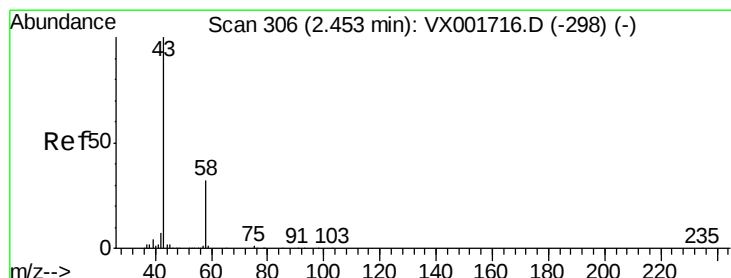
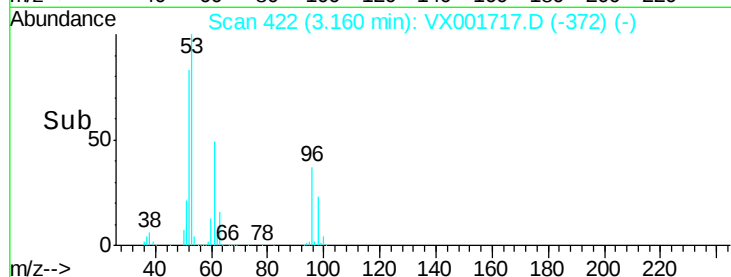
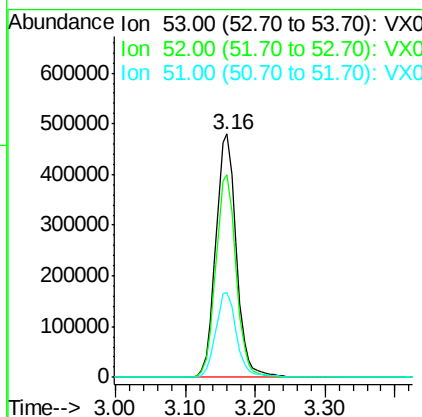
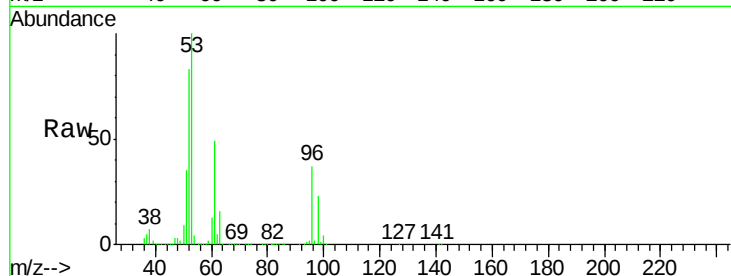
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	977124
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.6	98.4
51	35.4	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 387.60 ug/l

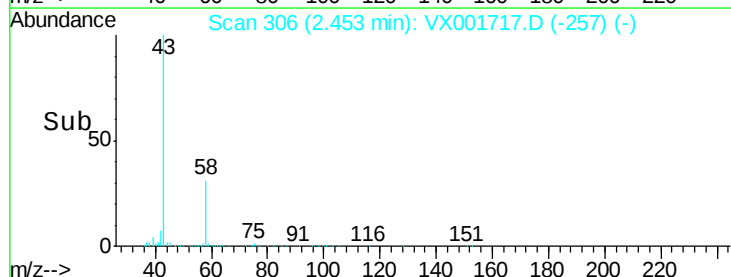
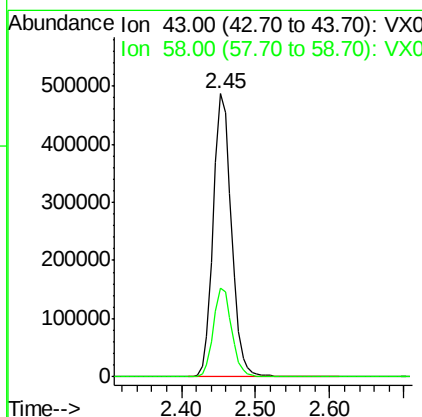
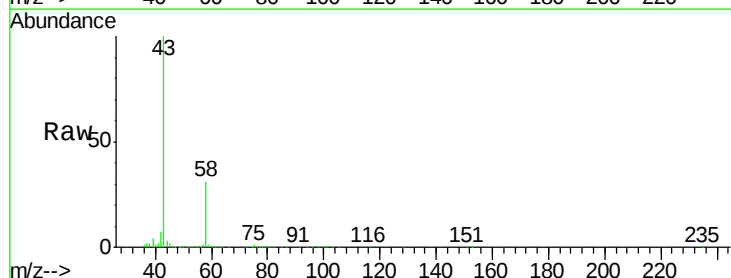
RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Tgt Ion:	43	Resp:	815937
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.3	37.9





#17

Carbon Disulfide

Concen: 91.91 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 842877

Ion Ratio Lower Upper

76 100

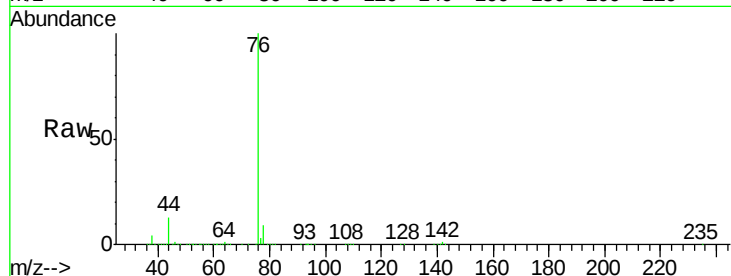
78 9.1 7.6 11.4

Manual Integrations

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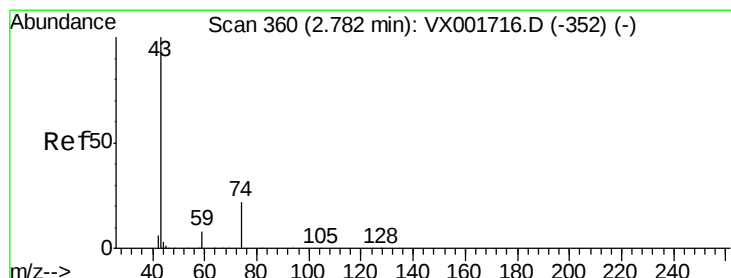
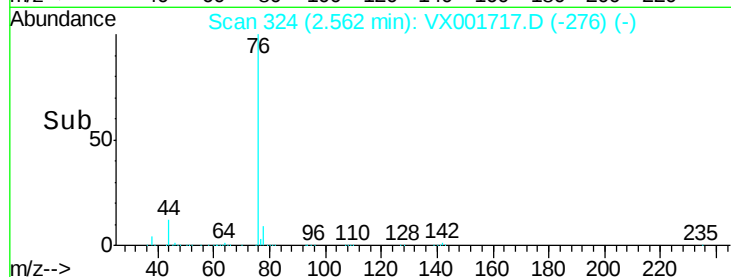
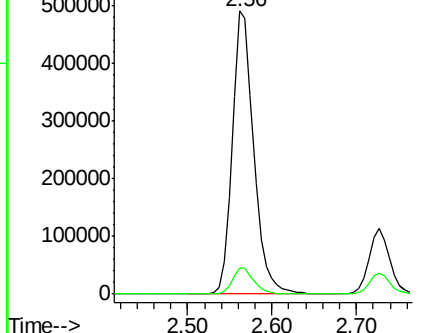
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 91.88 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001717.D

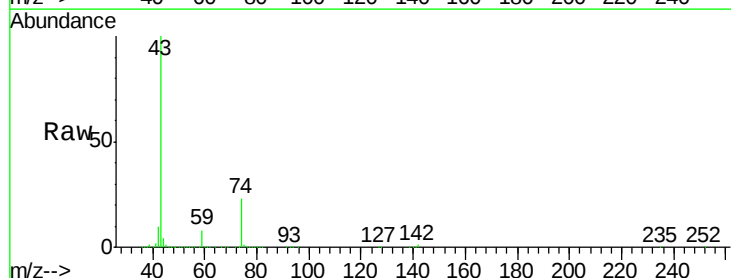
Acq: 14 May 2018 18:43

Tgt Ion: 43 Resp: 518634

Ion Ratio Lower Upper

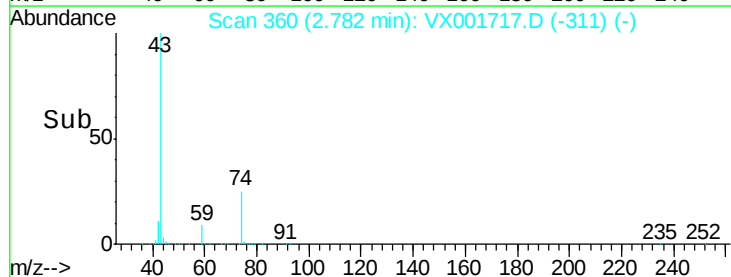
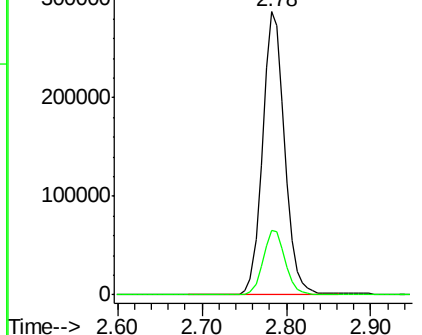
43 100

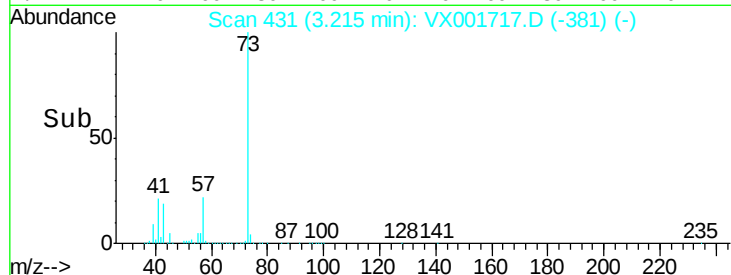
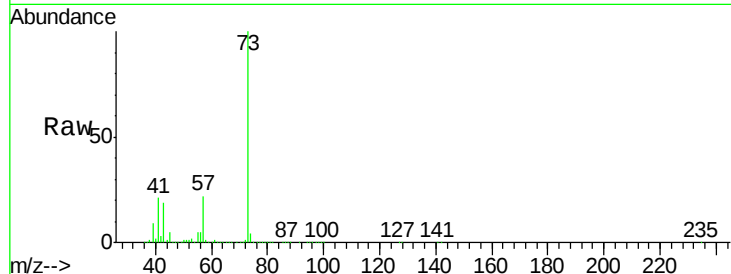
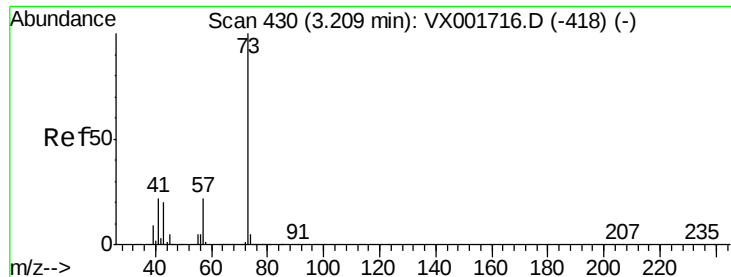
74 23.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





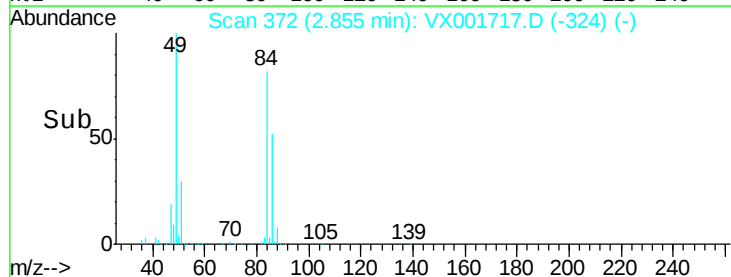
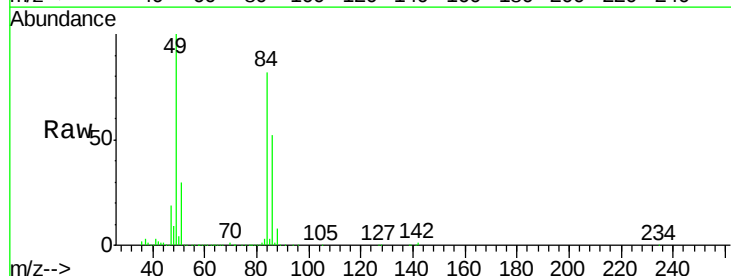
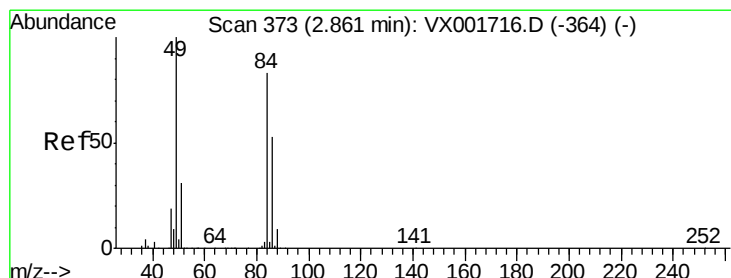
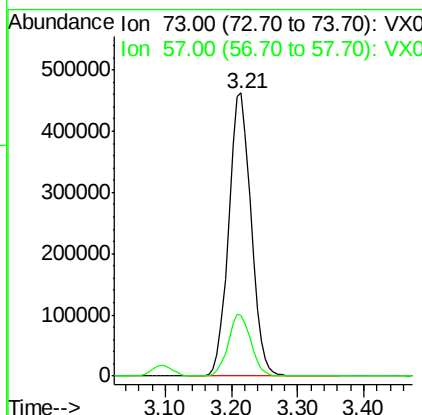
#19
Methyl tert-butyl Ether
Concen: 86.23 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tot Ion: 73 Resp: 1083262
Ion Ratio Lower Upper
73 100
57 21.6 17.5 26.3

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

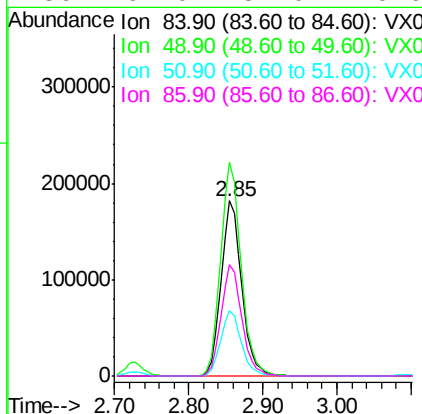
Manual Integrations
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#20
Methylene Chloride
Concen: 82.90 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion: 84 Resp: 349193
Ion Ratio Lower Upper
84 100
49 122.2 96.3 144.5
51 37.1 29.8 44.6
86 64.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 84.87 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

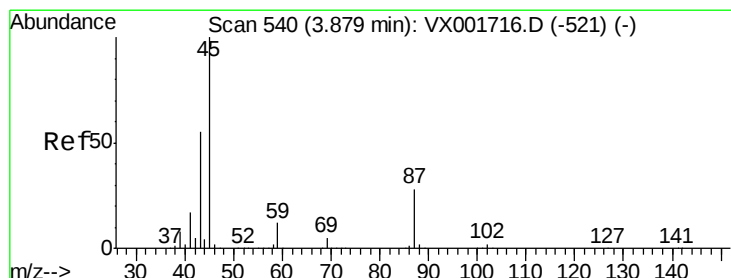
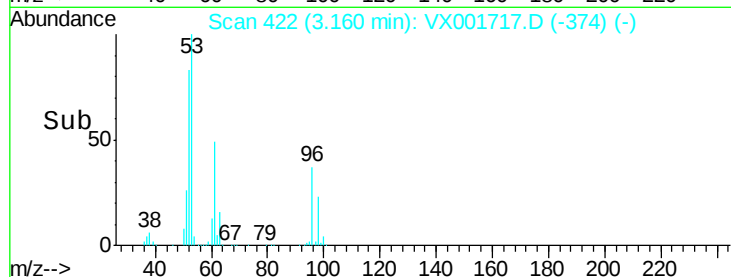
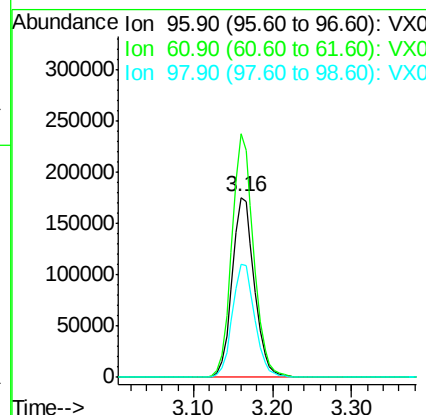
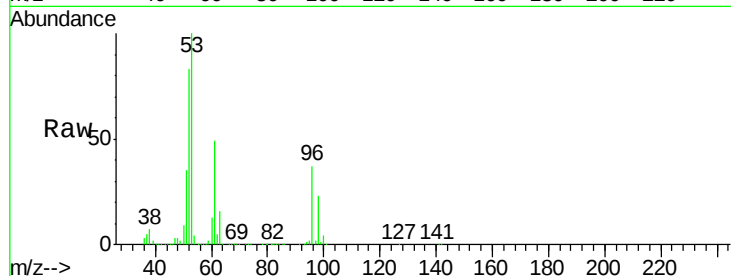
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	342409
Ion	Ratio	Lower	Upper
96	100		
61	135.1	105.8	158.8
98	63.1	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 91.68 ug/l

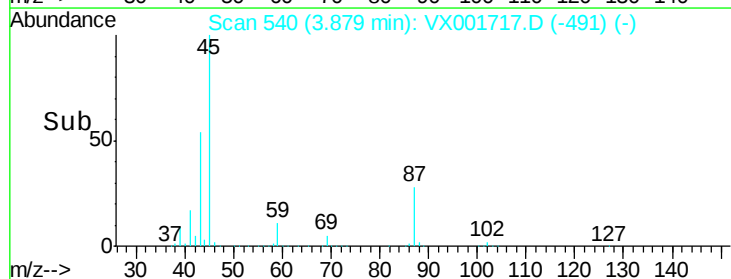
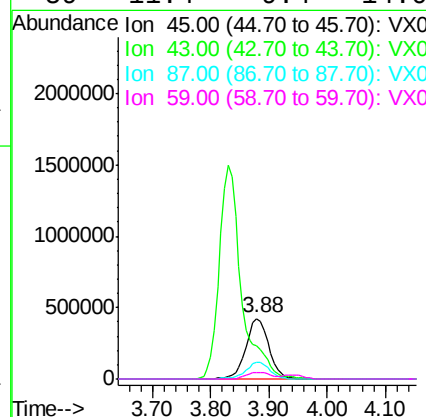
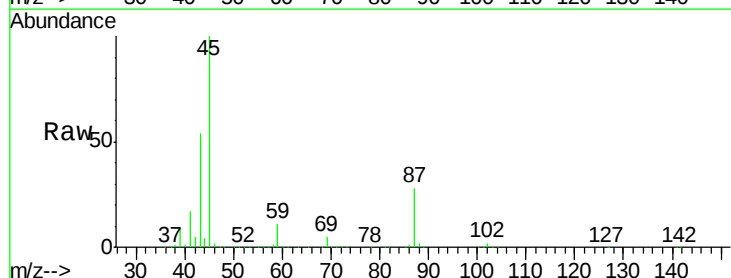
RT: 3.88 min Scan# 540

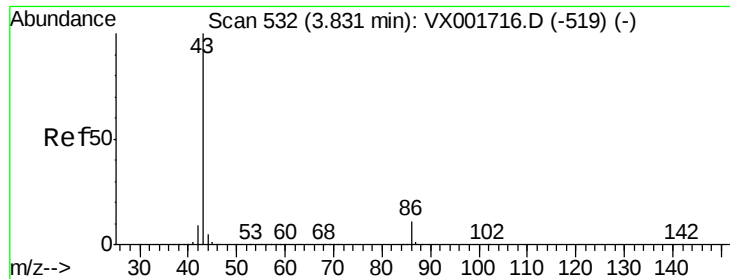
Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Tgt Ion:	45	Resp:	1159829
Ion	Ratio	Lower	Upper
45	100		
43	54.0	44.3	66.5
87	28.2	22.6	33.8
59	11.4	9.4	14.0





#23

Vinyl Acetate

Concen: 388.42 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3966342

Ion Ratio Lower Upper

43 100

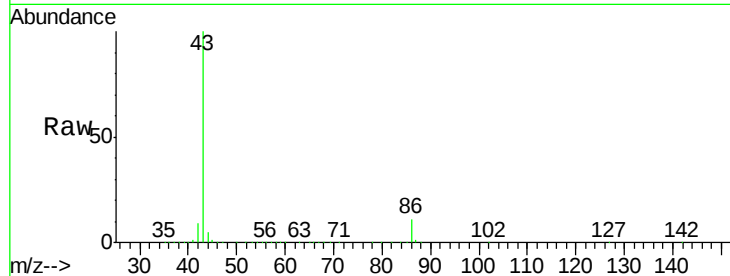
86 11.0 8.7 13.1

Manual Integrations

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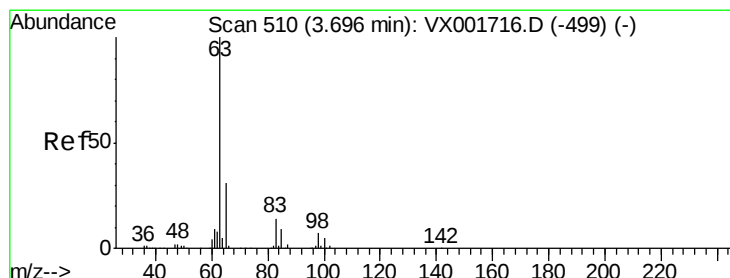
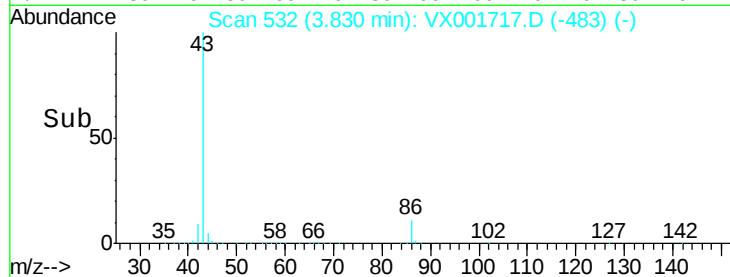
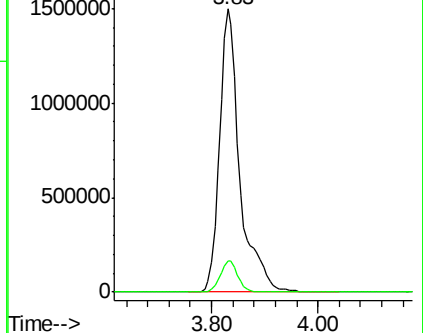
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 86.89 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

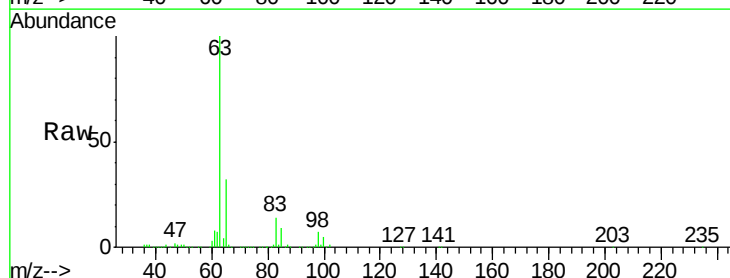
Tgt Ion: 63 Resp: 610529

Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

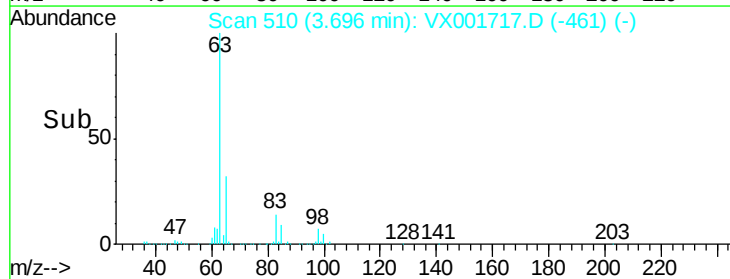
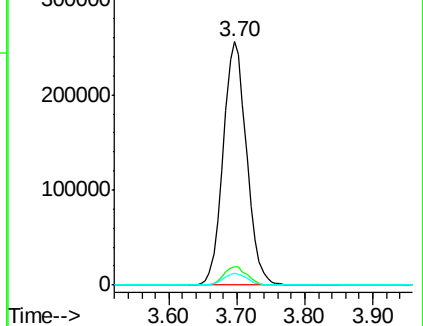
100 4.8 2.4 7.2

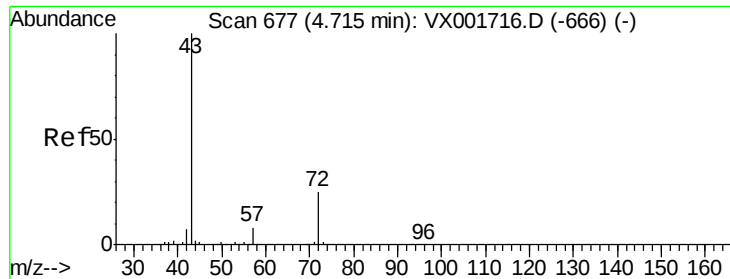


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 442.63 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Tot Ion: 43 Resp: 1361590

Ion Ratio Lower Upper

43 100

72 25.5 19.8 29.6

Instrument :

MSVOA_X

ClientSampleId :

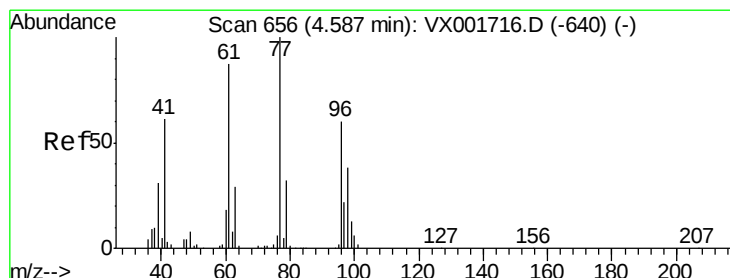
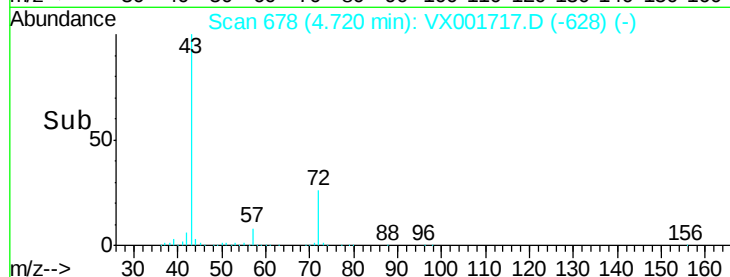
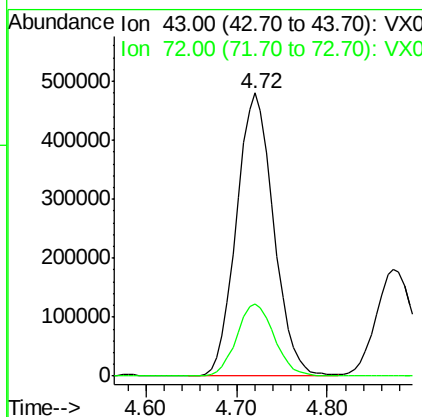
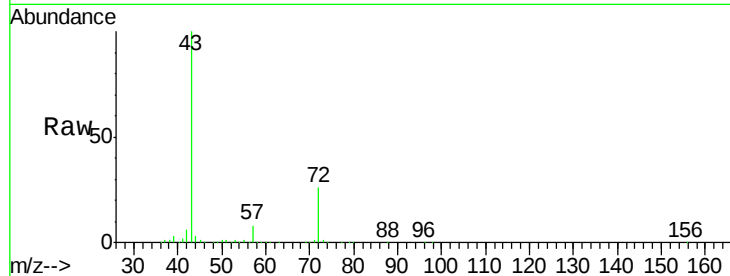
VSTDIC100

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 93.86 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001717.D

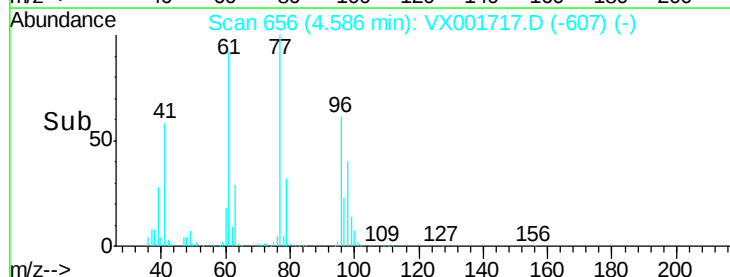
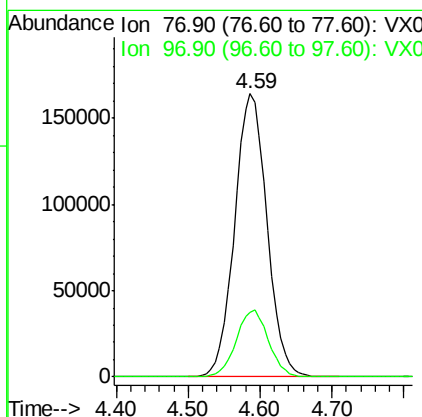
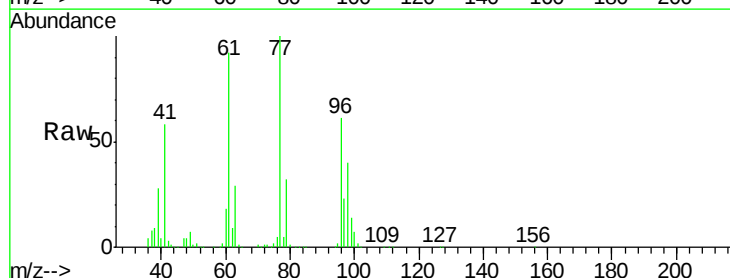
Acq: 14 May 2018 18:43

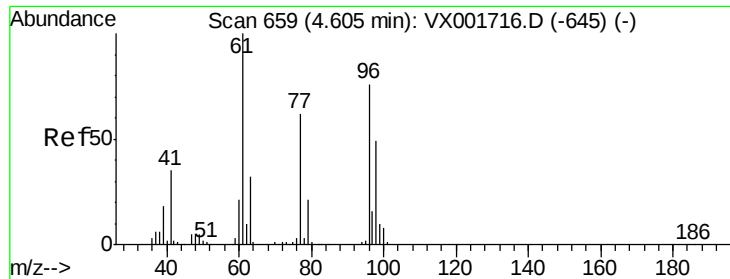
Tgt Ion: 77 Resp: 512155

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.8





#27

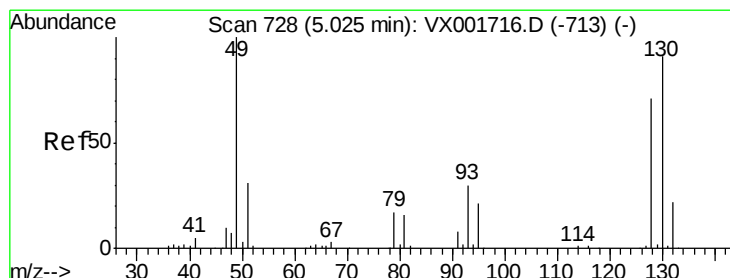
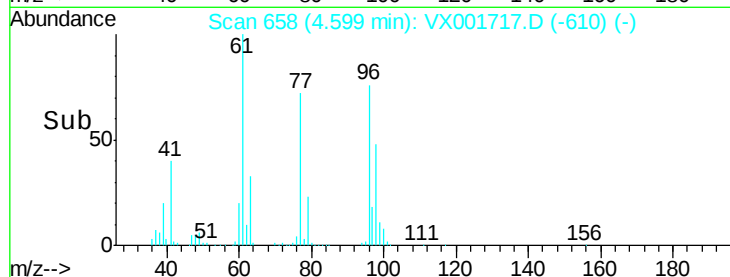
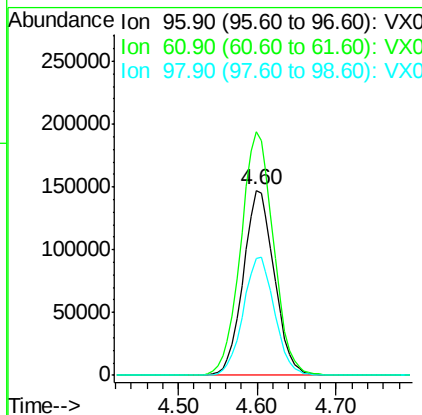
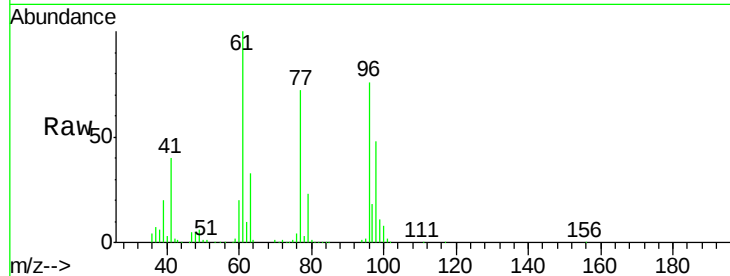
cis-1,2-Dichloroethene
 Concen: 92.93 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	403659		
61	138.8	0.0	280.4	
98	64.6	0.0	128.4	

Manual Integrations
 APPROVED

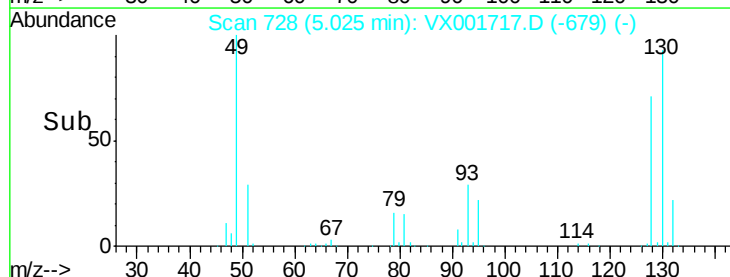
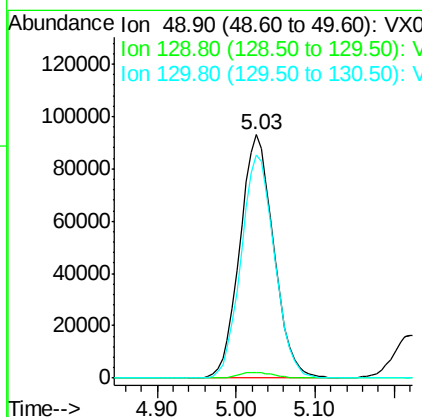
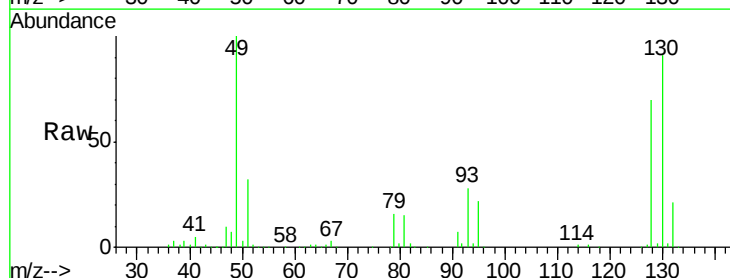
MMDadoda
 5/16/2018 11:54:08 AM

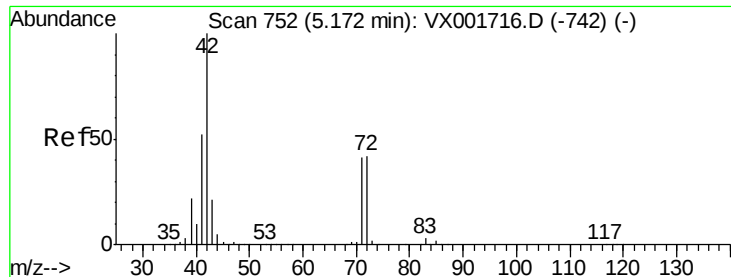


#28

Bromochloromethane
 Concen: 89.91 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	277984		
129	2.4	0.0	5.0	
130	90.7	71.8	107.6	





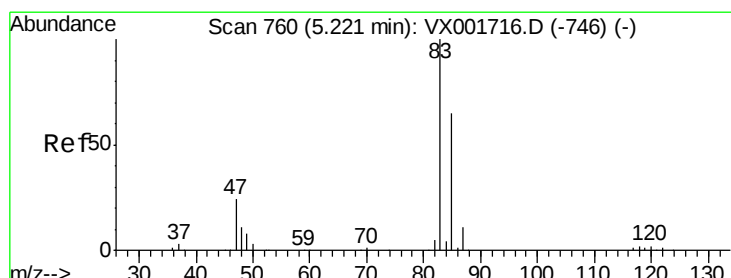
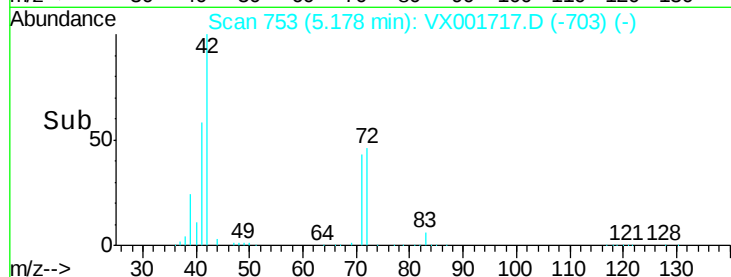
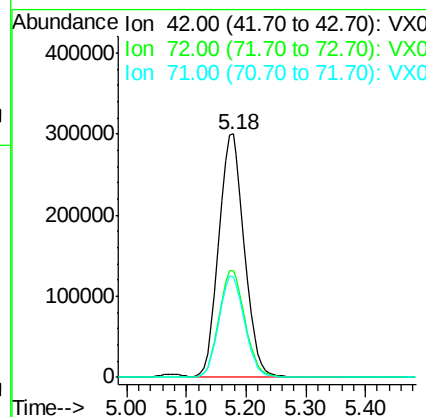
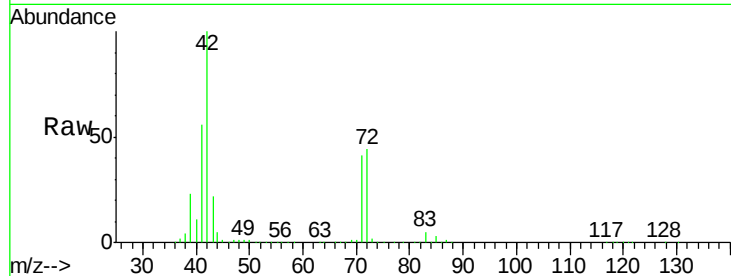
#29
Tetrahydrofuran
Concen: 449.69 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.4	53.2
71	41.7	33.2	49.8

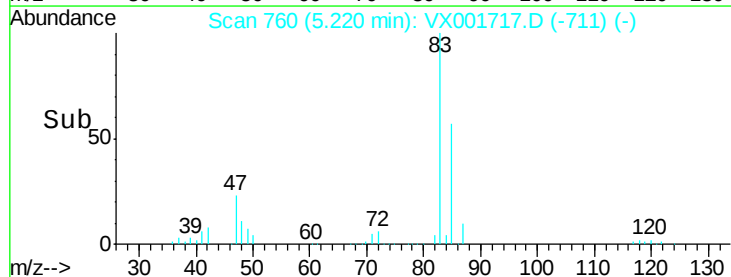
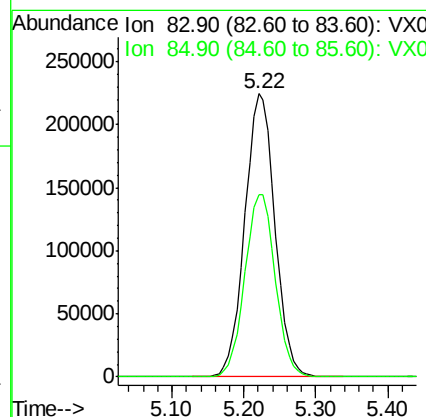
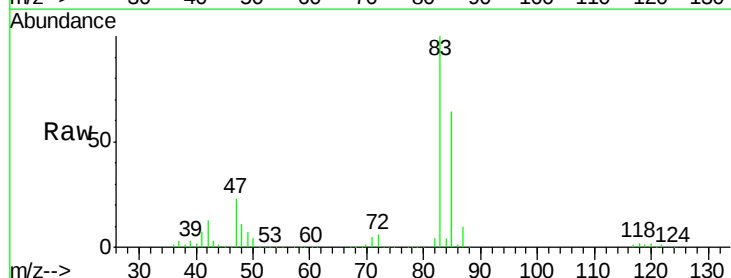
Manual Integrations
APPROVED

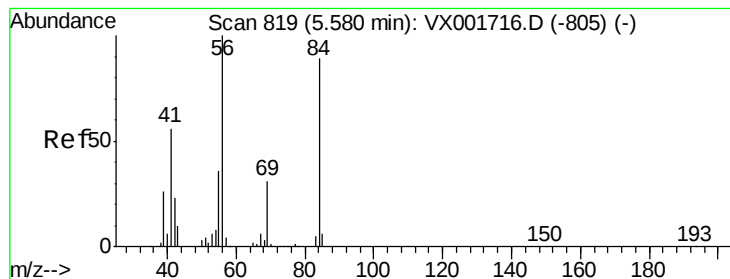
MMDadoda
5/16/2018 11:54:08 AM



#30
Chloroform
Concen: 89.45 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.3	78.5





#31

Cyclohexane

Concen: 93.47 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

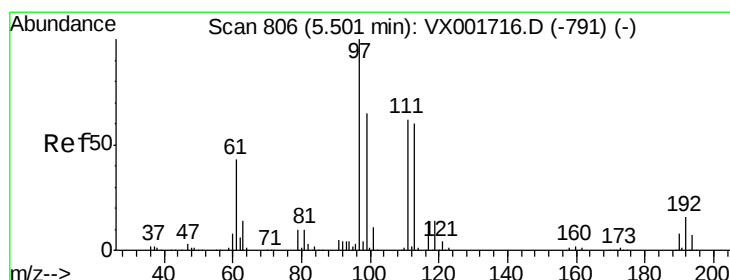
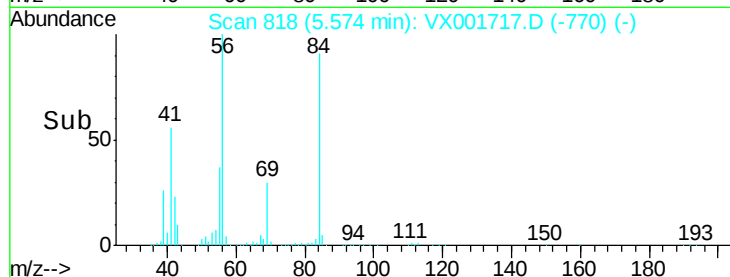
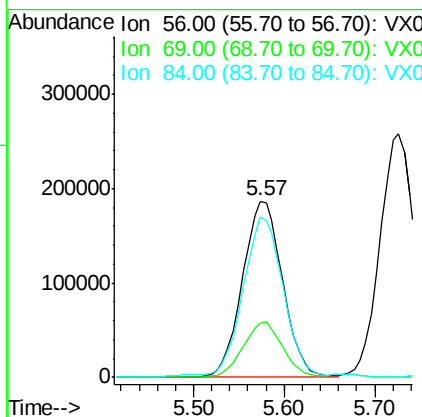
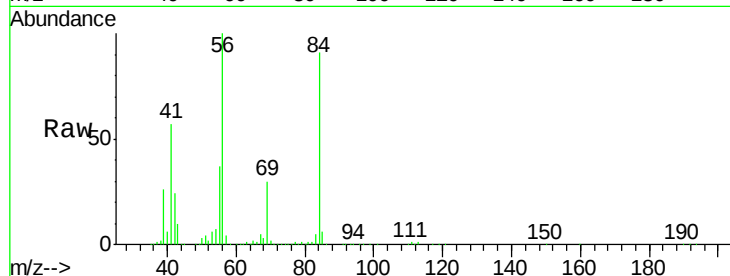
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	569016
Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.0	37.6
84	89.8	71.0	106.4

Manual Integrations
APPROVED

MMDadoda
5/16/2018 11:54:08 AM



#32

1,1,1-Trichloroethane

Concen: 92.48 ug/l

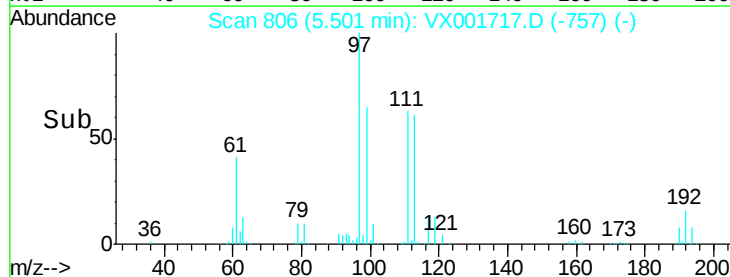
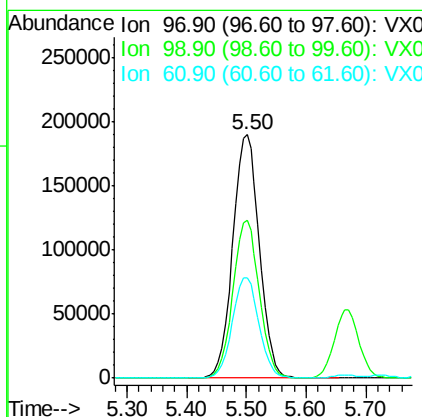
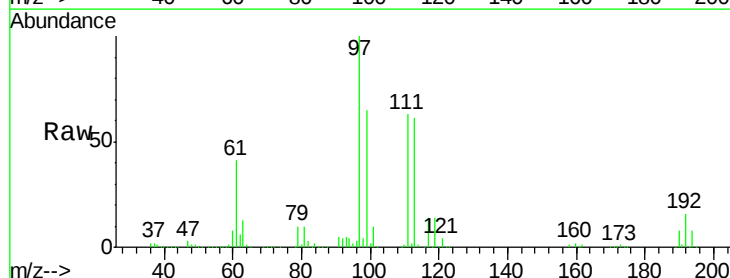
RT: 5.50 min Scan# 806

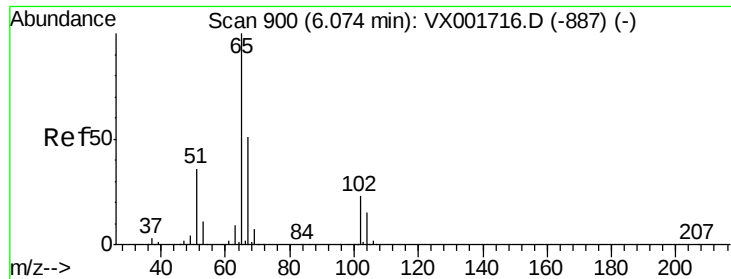
Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Tgt Ion:	97	Resp:	587192
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	41.6	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 89.46 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 420713

Ion Ratio Lower Upper

65 100

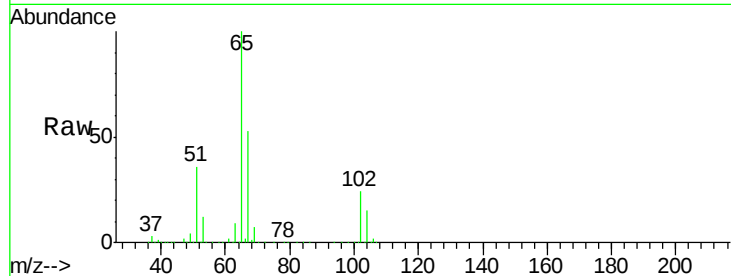
67 52.5 0.0 102.8

Manual Integrations

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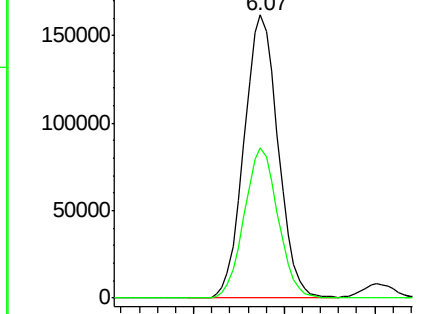
MMDadoda

5/16/2018 11:54:08 AM

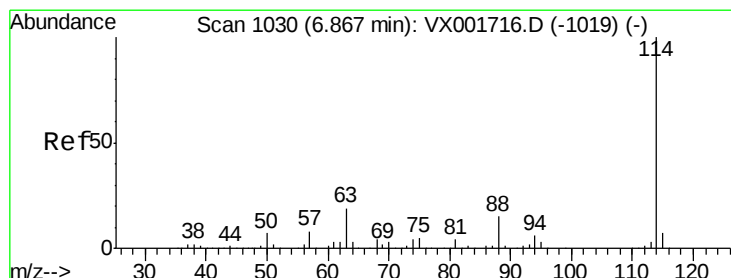
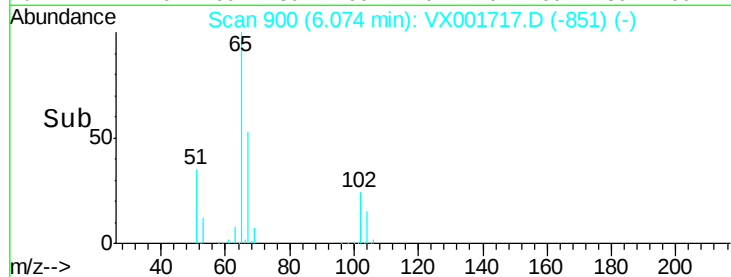


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

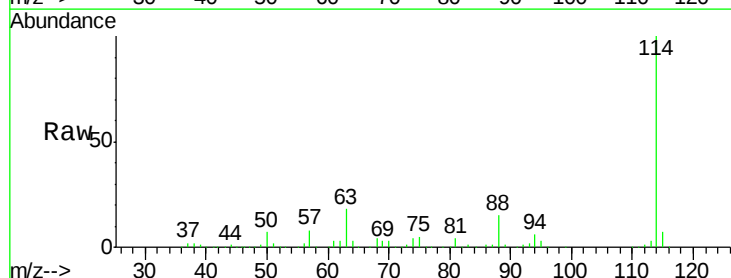
Tgt Ion: 114 Resp: 441862

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

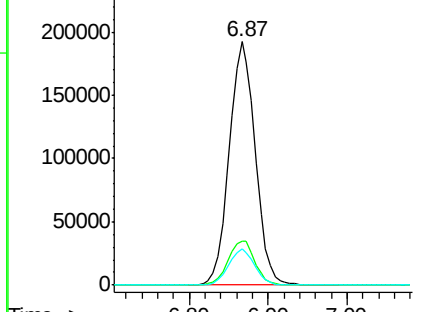
88 15.0 0.0 29.8



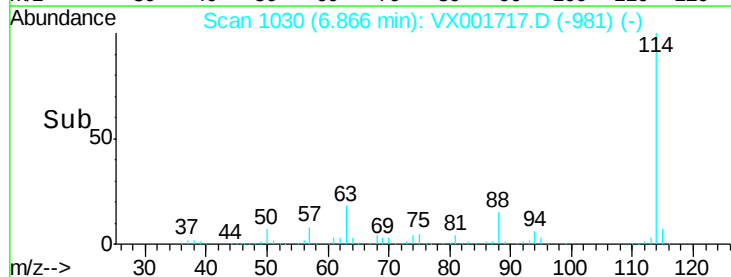
Abundance Ion 113.90 (113.60 to 114.60): V

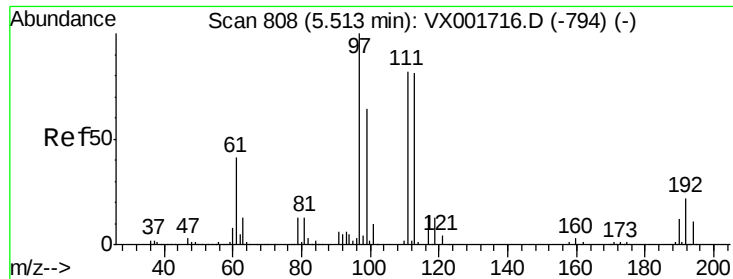
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->





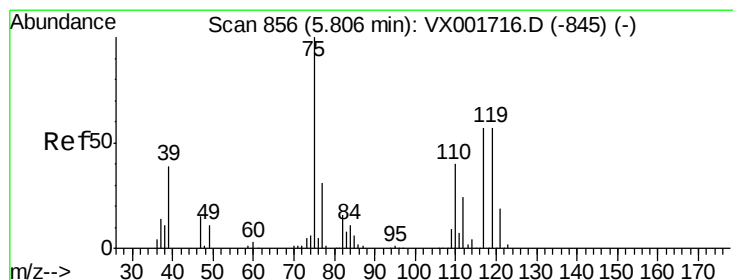
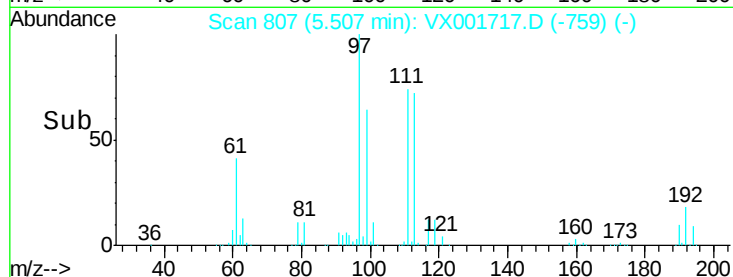
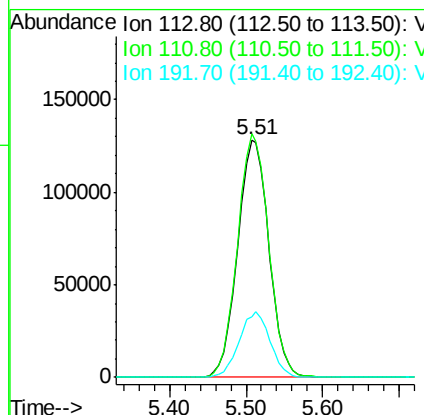
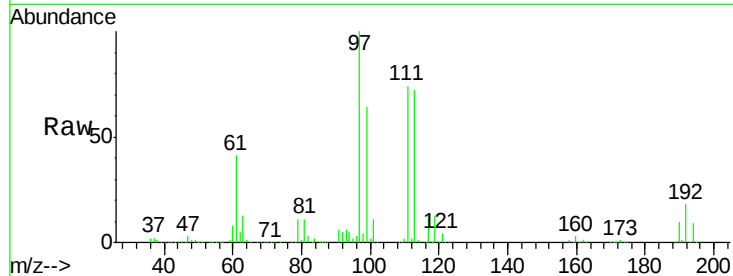
#35
Dibromofluoromethane
Concen: 93.86 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	364524		
111	101.9	82.0	123.0	
192	27.2	21.6	32.4	

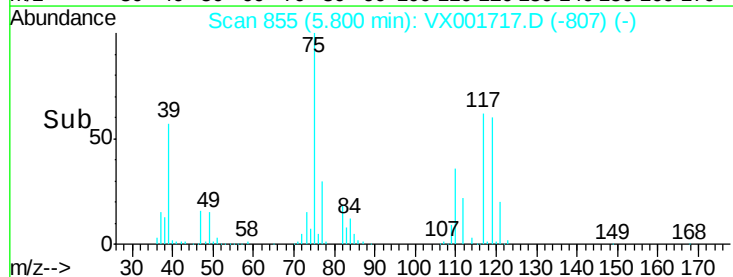
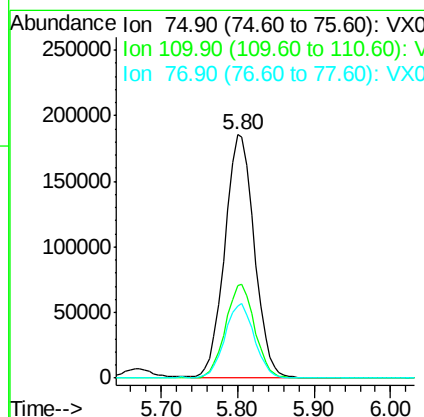
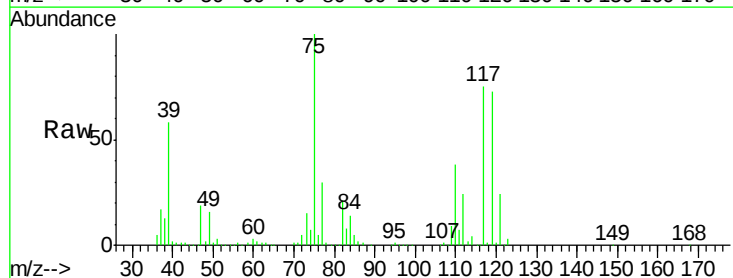
Manual Integrations
APPROVED

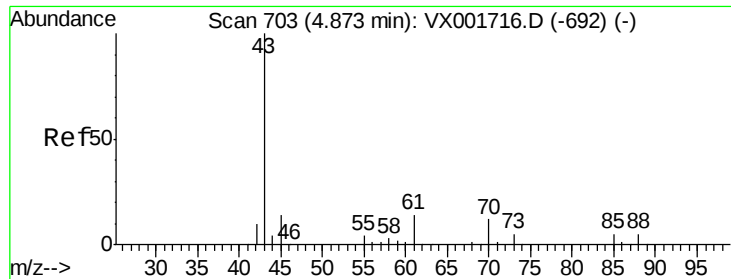
MMDadoda
5/16/2018 11:54:08 AM



#36
1,1-Dichloropropene
Concen: 89.40 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	495117		
110	38.2	19.1	57.1	
77	30.5	24.6	37.0	





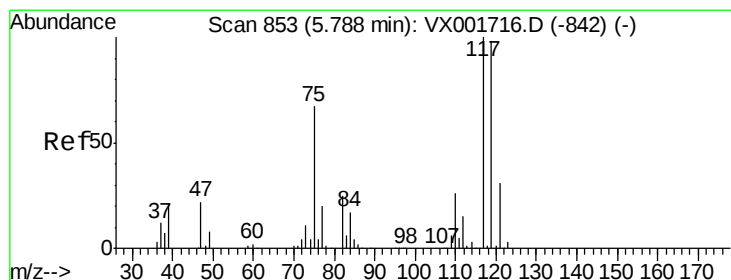
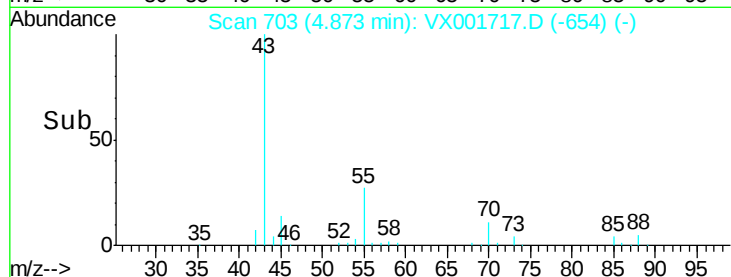
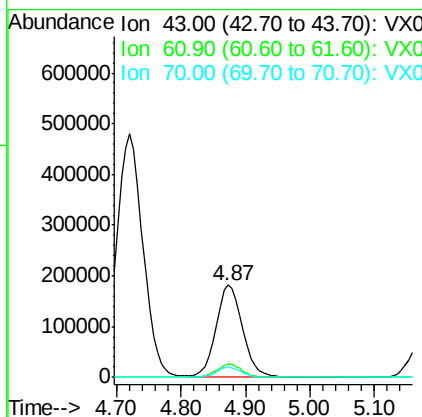
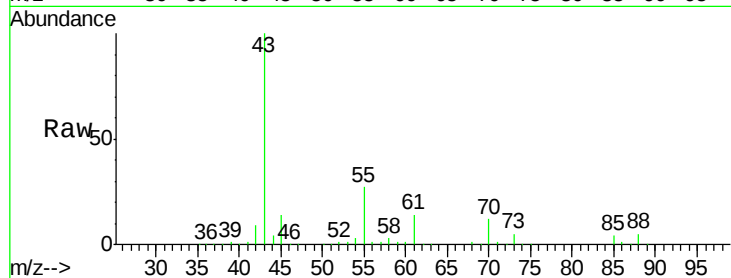
#37
Ethyl Acetate
Concen: 87.66 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	10.8	8.8	13.2

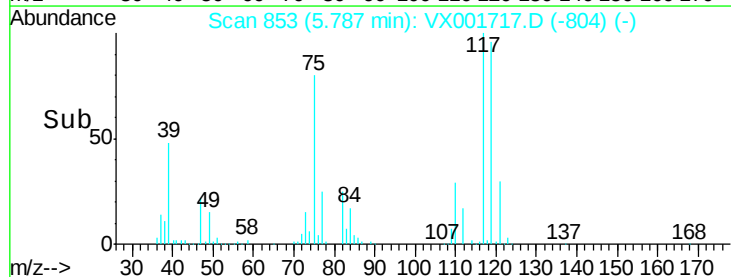
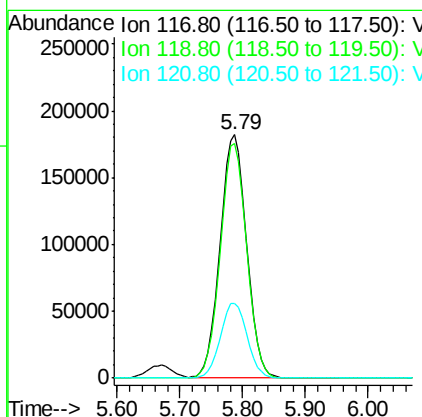
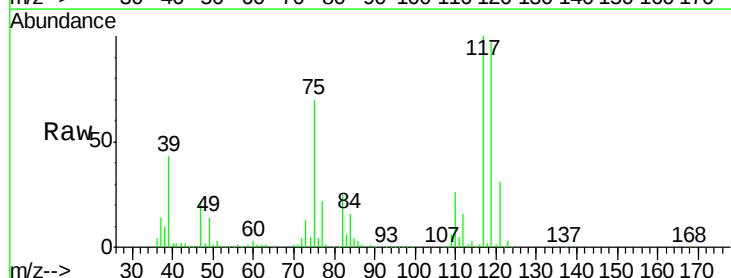
Manual Integrations
APPROVED

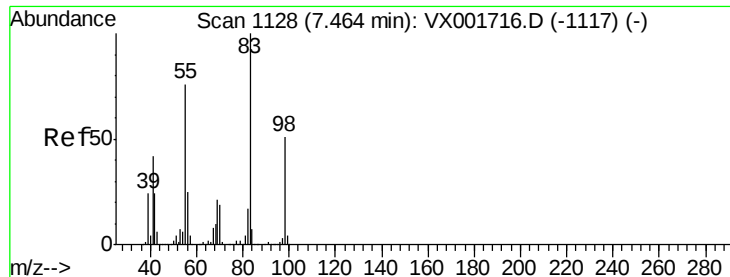
MMDadoda
5/16/2018 11:54:08 AM



#38
Carbon Tetrachloride
Concen: 90.68 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.6	116.4
121	30.7	24.6	36.8





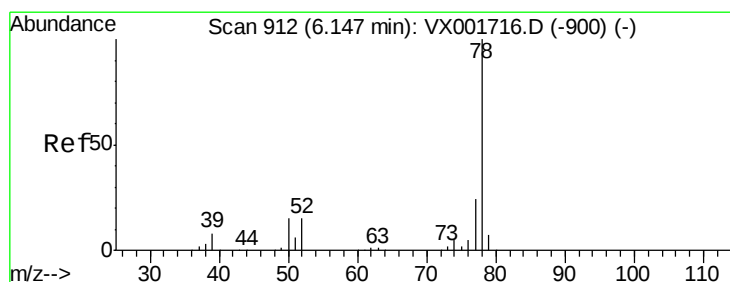
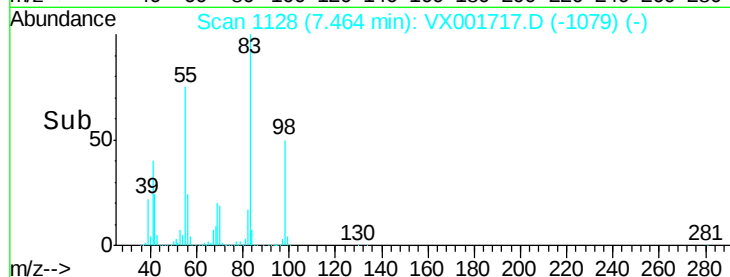
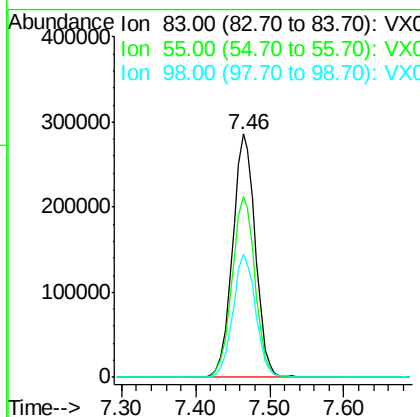
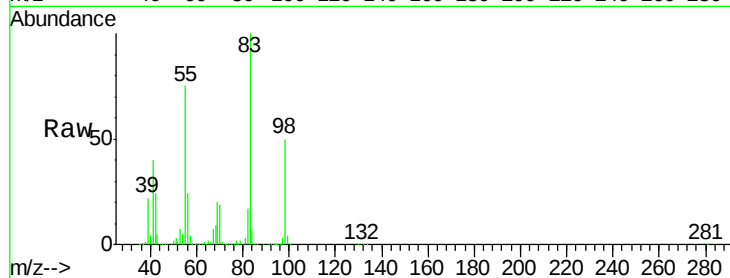
#39
Methvlcvclohexane
Concen: 93.46 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.6	90.8
98	50.5	40.4	60.6

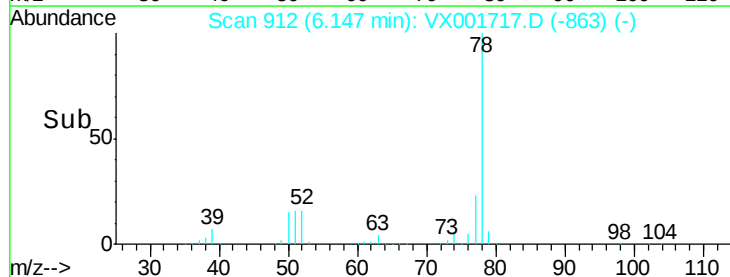
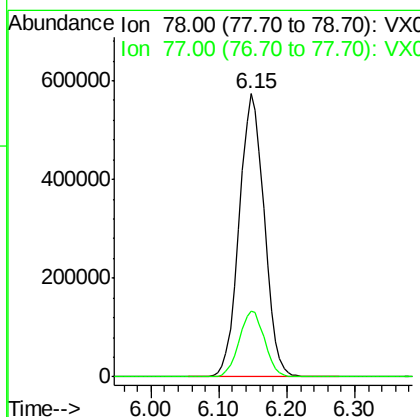
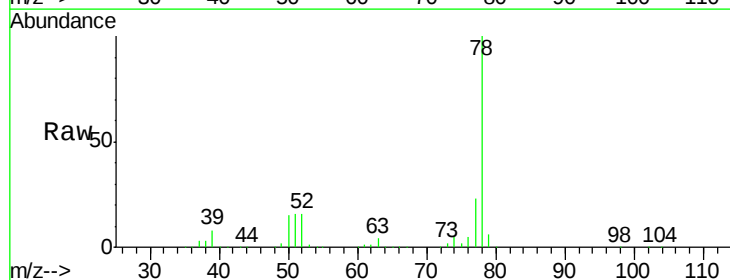
Manual Integrations
APPROVED

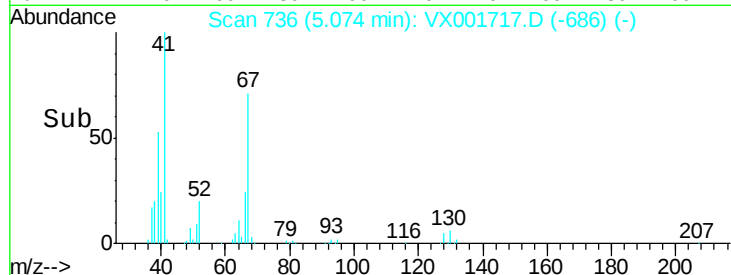
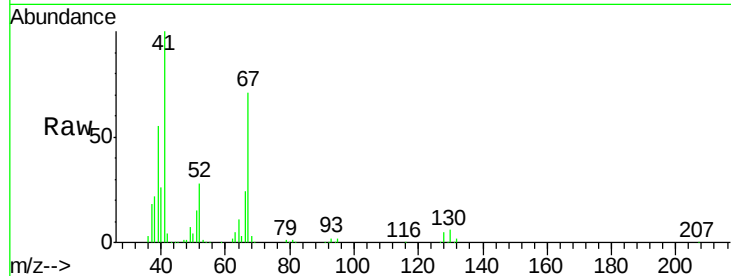
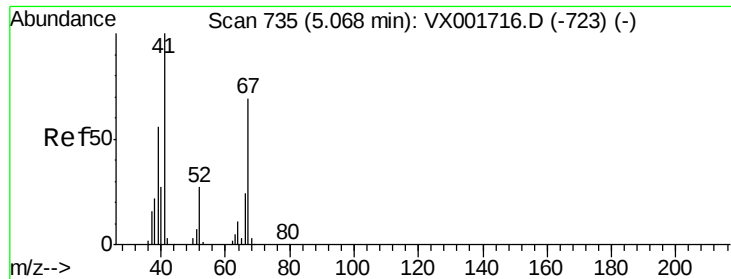
MMDadoda
5/16/2018 11:54:08 AM



#40
Benzene
Concen: 90.96 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





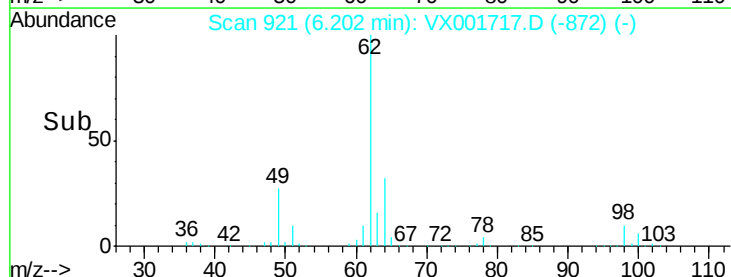
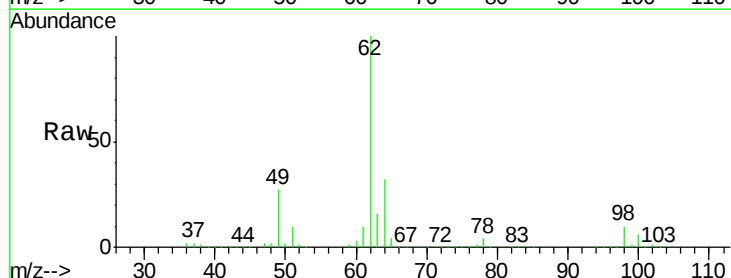
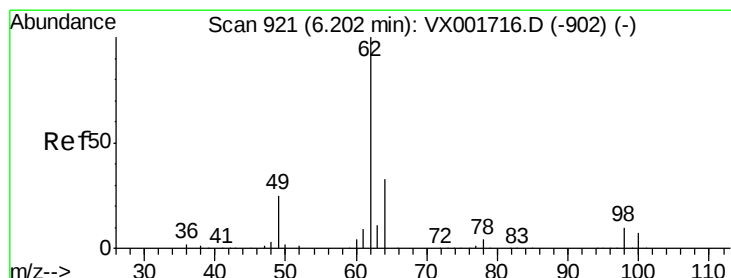
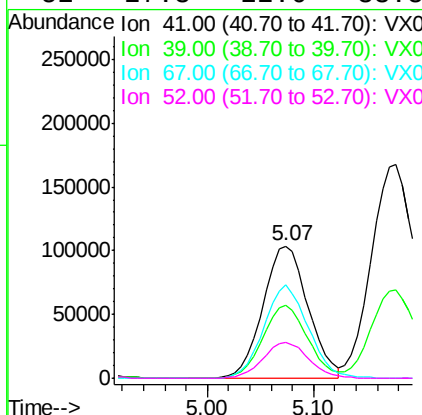
#41
Methacrylonitrile
Concen: 88.13 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		304820		
39	54.3	44.2	66.4		
67	69.4	56.0	84.0		
52	27.3	22.6	33.8		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

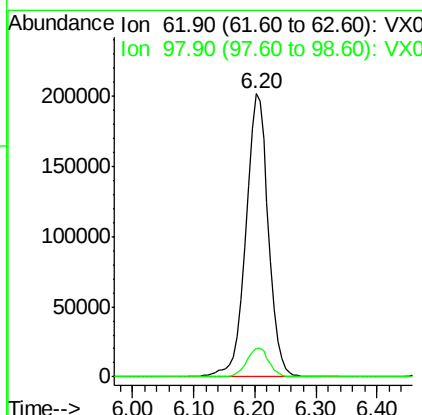
Manual Integrations
APPROVED

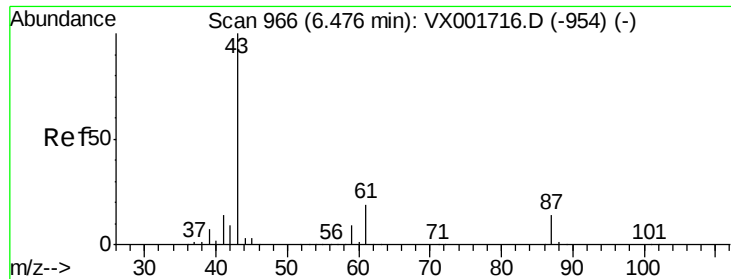
MMDadoda
5/16/2018 11:54:08 AM



#42
1,2-Dichloroethane
Concen: 83.57 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		514346		
98	10.2	0.0	20.0		





#43

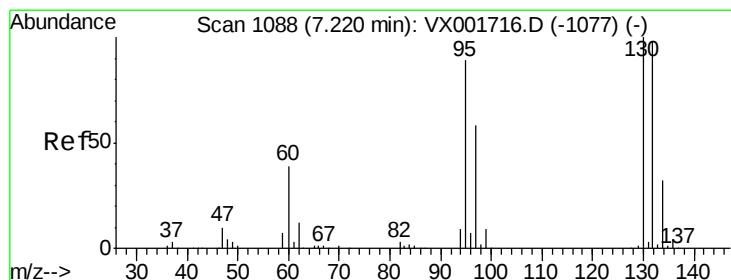
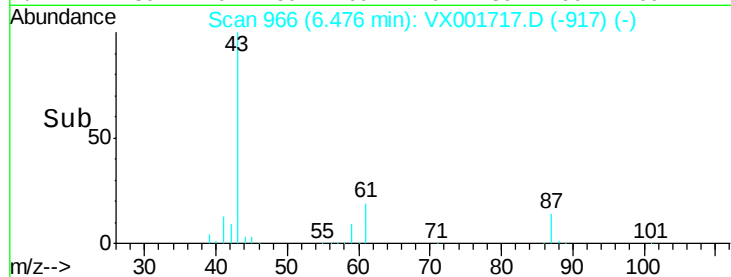
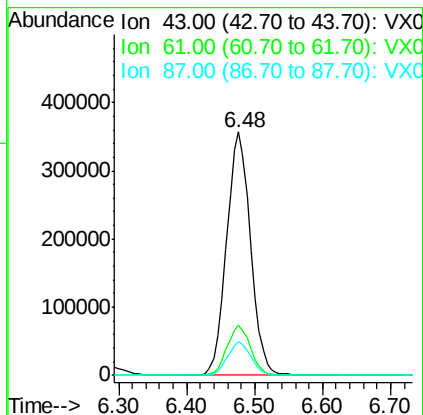
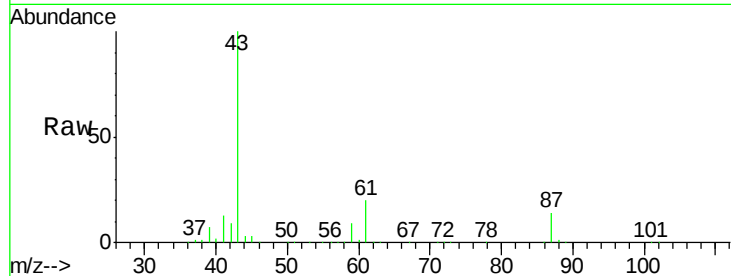
Isopropyl Acetate
 Concen: 93.41 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.8	23.8
87	13.6	11.0	16.4

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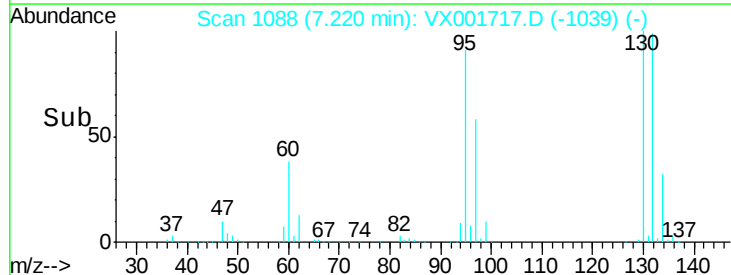
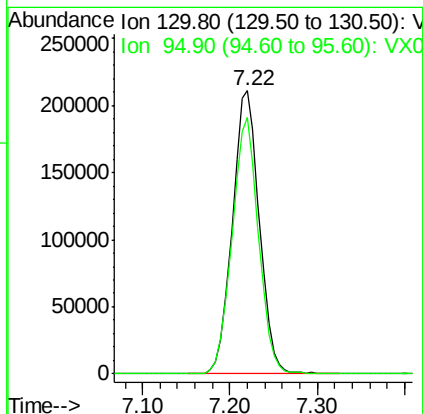
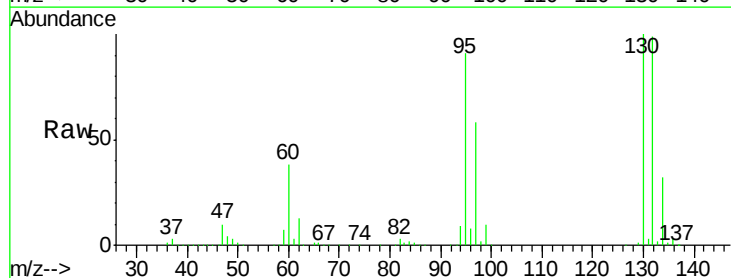
MMDadoda
 5/16/2018 11:54:08 AM

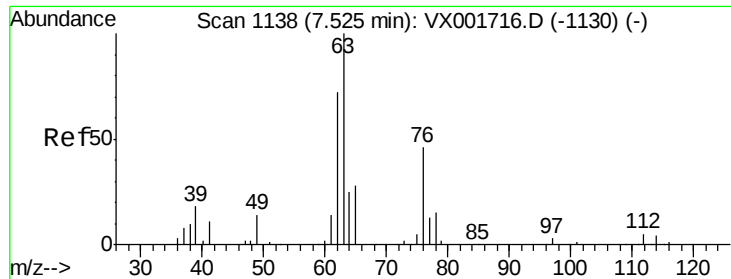


#44

Trichloroethene
 Concen: 90.93 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	177.2





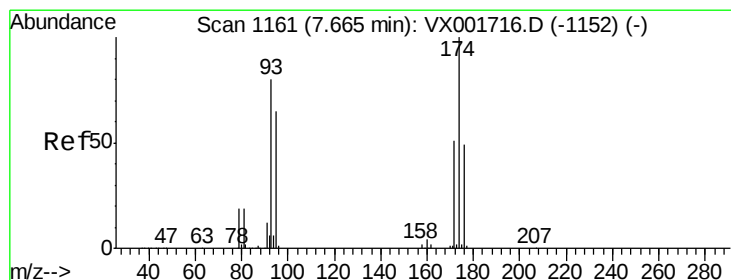
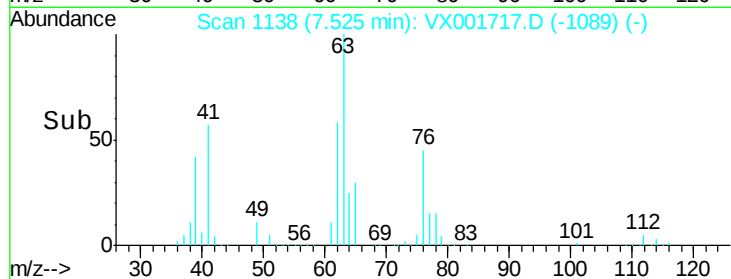
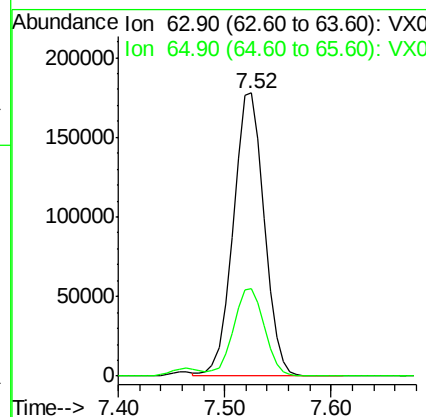
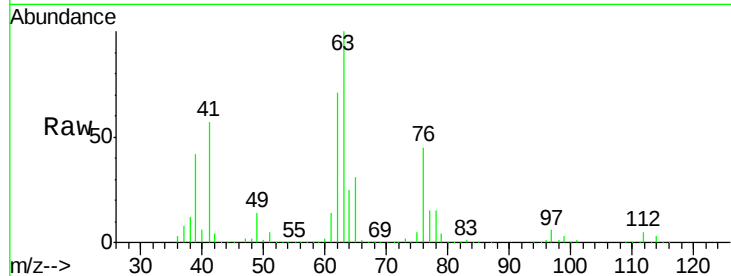
#45
 1,2-Dichloropropane
 Concen: 89.98 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.2

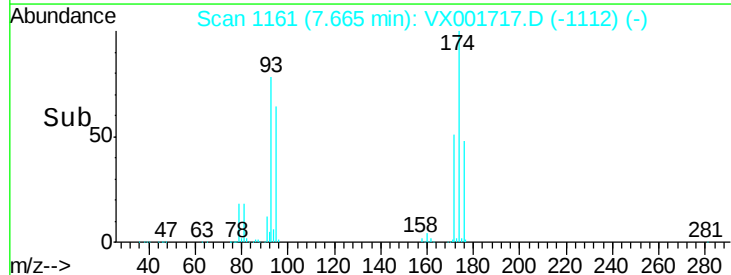
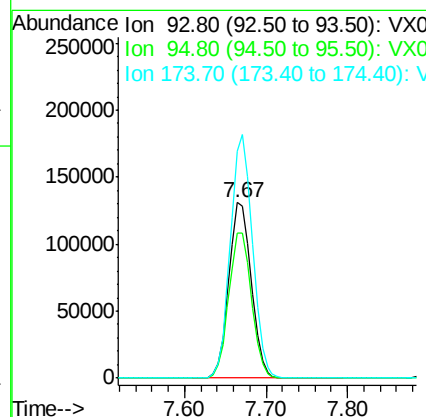
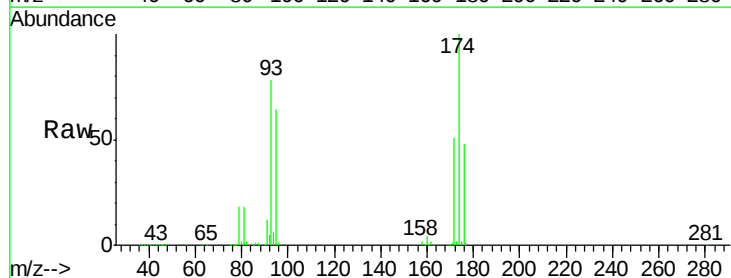
Manual Integrations
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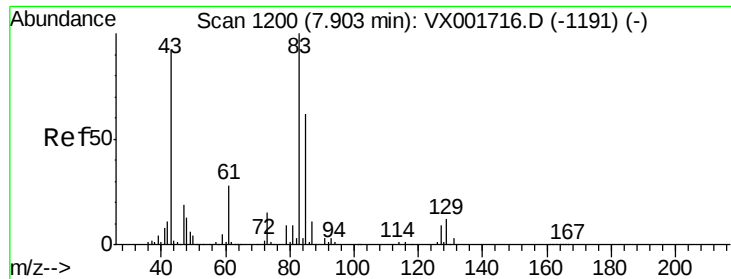
MMDadoda
 5/16/2018 11:54:08 AM



#46
 Dibromomethane
 Concen: 87.85 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.9	98.9
174	135.5	106.2	159.2





#47

Bromodichloromethane

Concen: 95.33 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

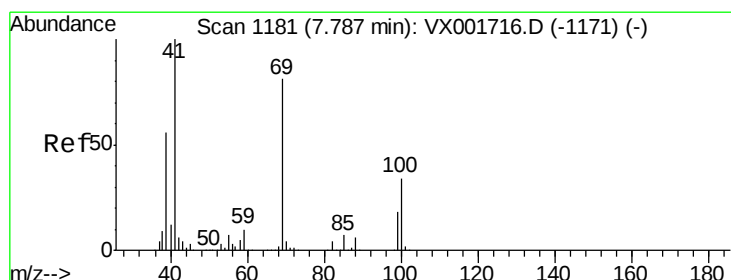
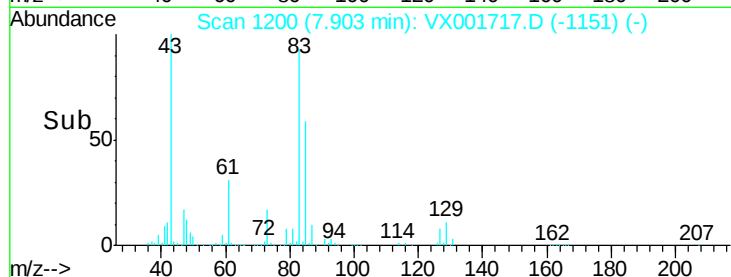
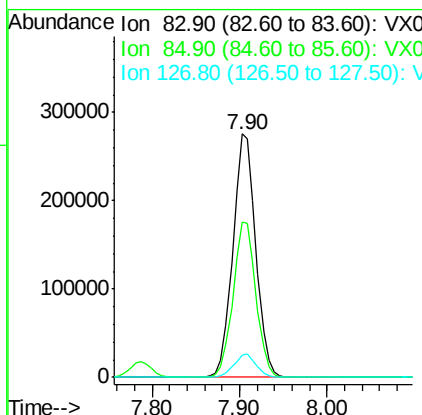
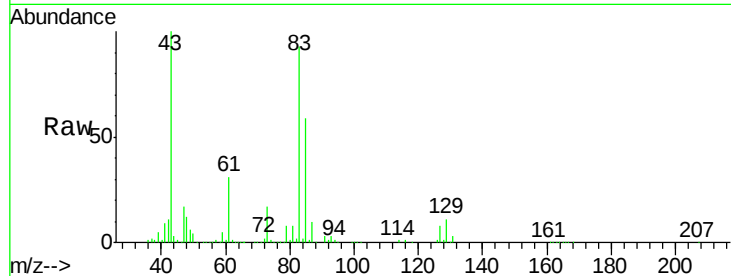
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	501534
Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.6	74.4
127	9.1	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 91.25 ug/l

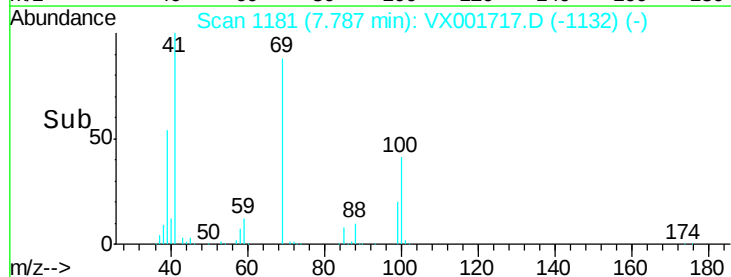
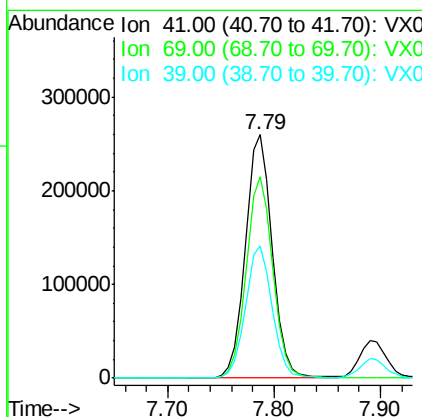
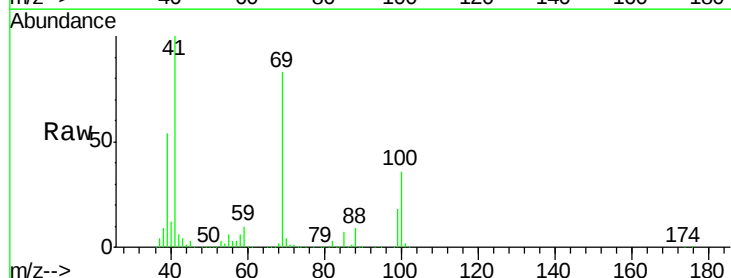
RT: 7.79 min Scan# 1181

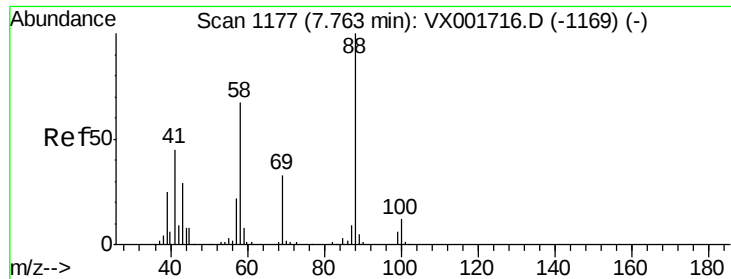
Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Tgt Ion:	41	Resp:	458611
Ion	Ratio	Lower	Upper
41	100		
69	82.6	65.2	97.8
39	54.2	44.5	66.7





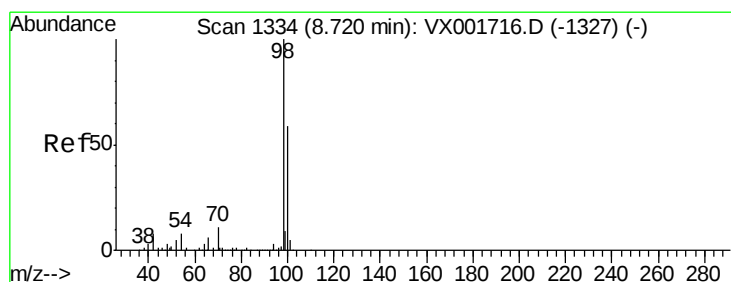
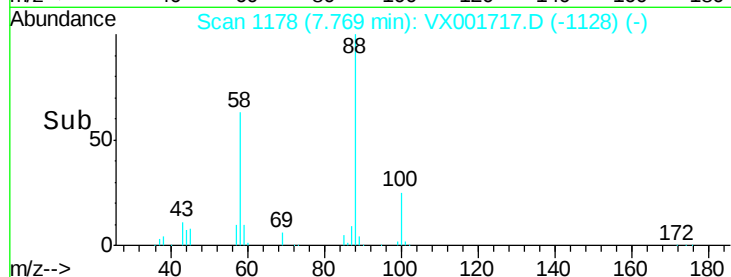
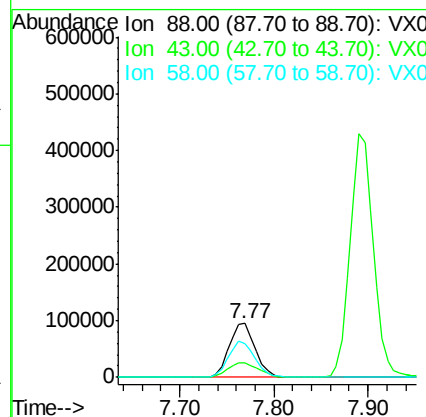
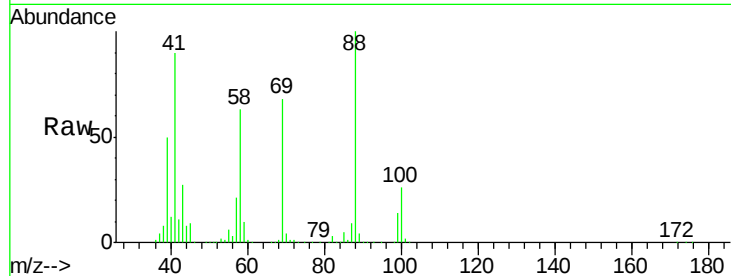
#49
1,4-Dioxane
Concen: 1710.02 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	181722		
43	31.6	27.3	40.9	
58	68.0	55.9	83.9	

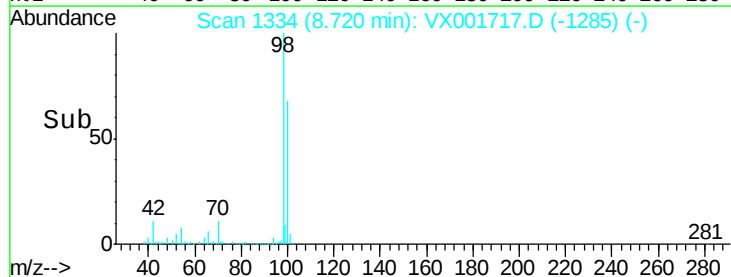
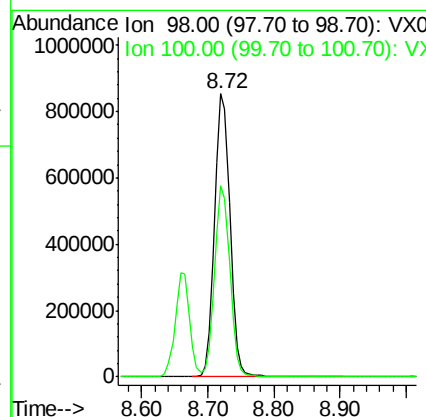
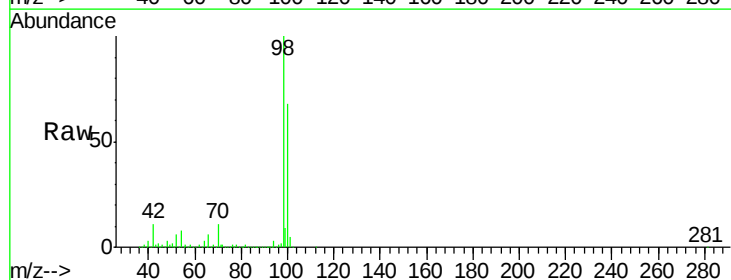
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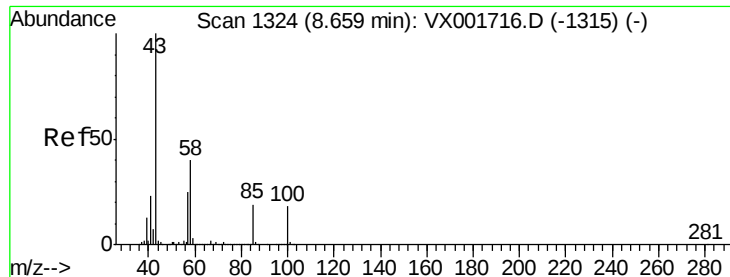
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#50
Toluene-d8
Concen: 97.27 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1382278		
100	67.3	54.0	81.0	





#51

4-Methyl-2-Pentanone

Concen: 451.10 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2767276

Ion Ratio Lower Upper

43 100

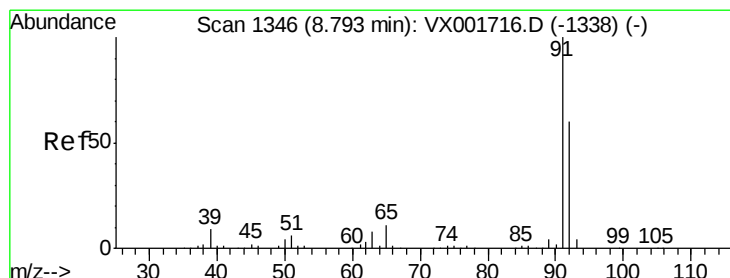
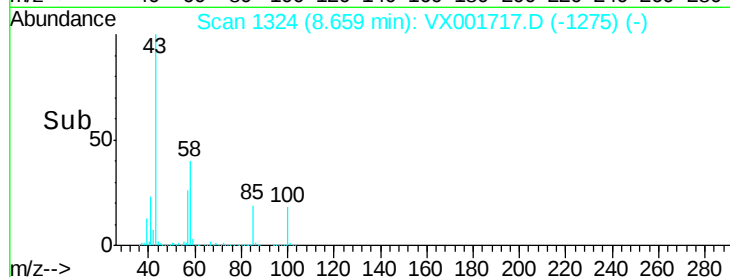
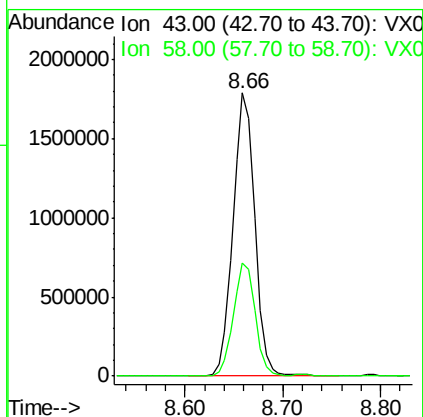
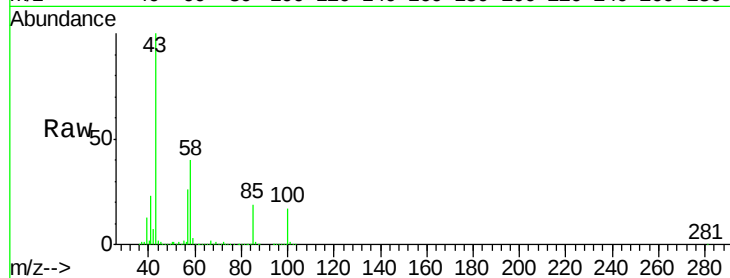
58 39.9 31.4 47.0

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#52

Toluene

Concen: 92.17 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001717.D

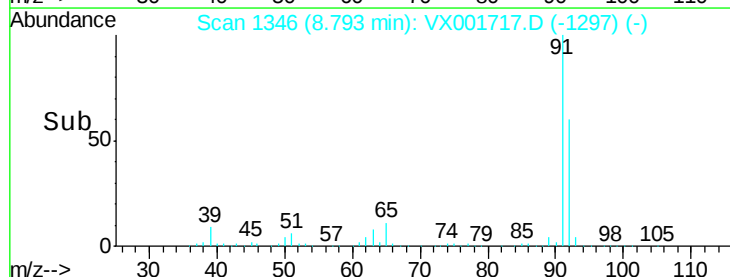
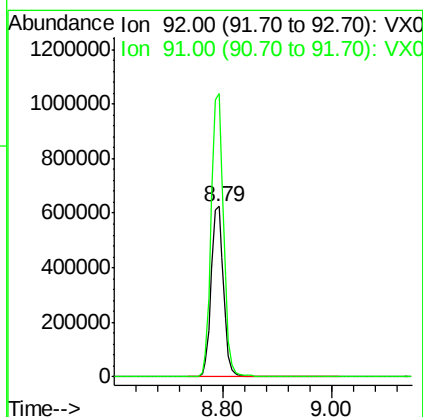
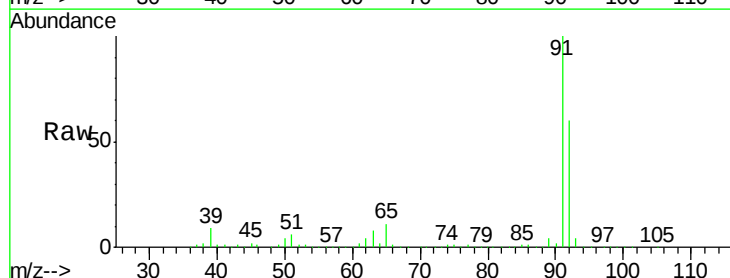
Acq: 14 May 2018 18:43

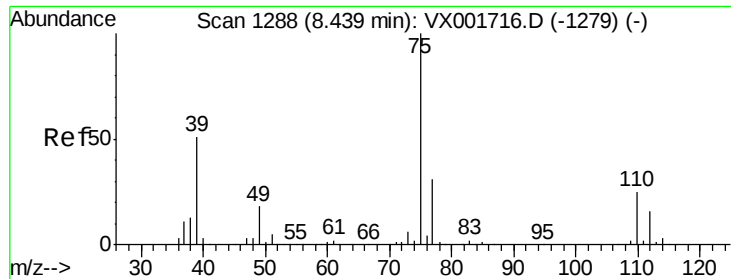
Tgt Ion: 92 Resp: 974333

Ion Ratio Lower Upper

92 100

91 167.5 135.5 203.3





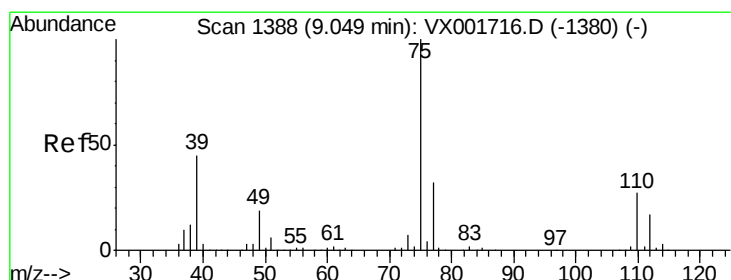
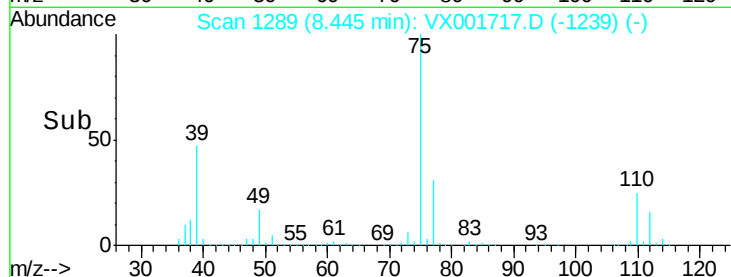
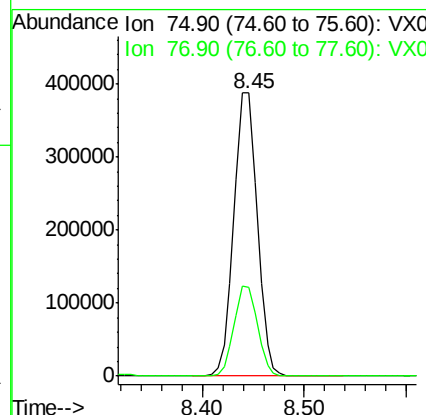
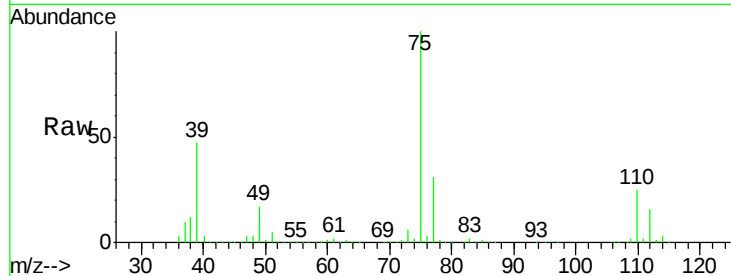
#53
t-1,3-Dichloropropene
Concen: 103.00 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 615429
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

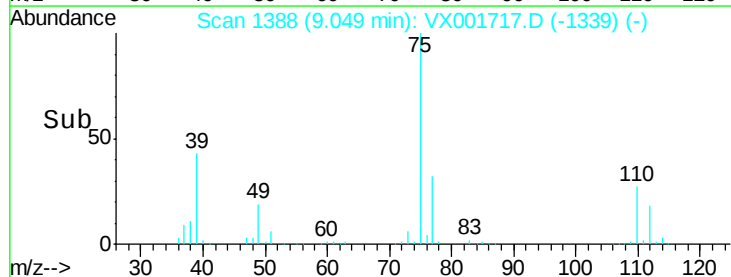
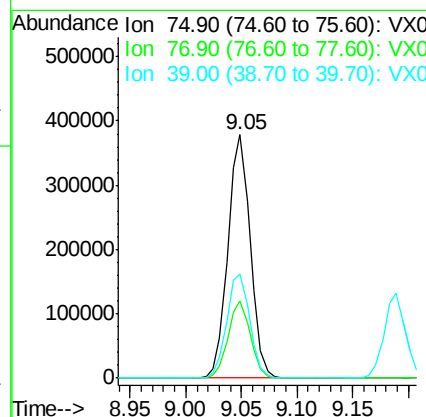
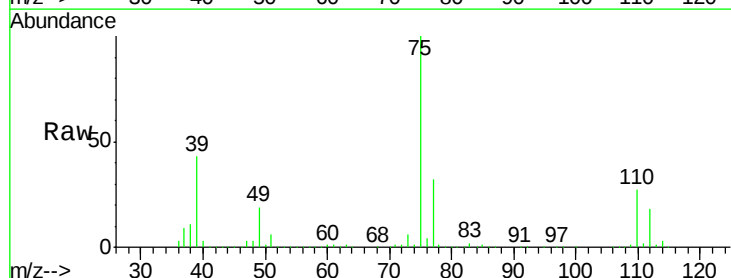
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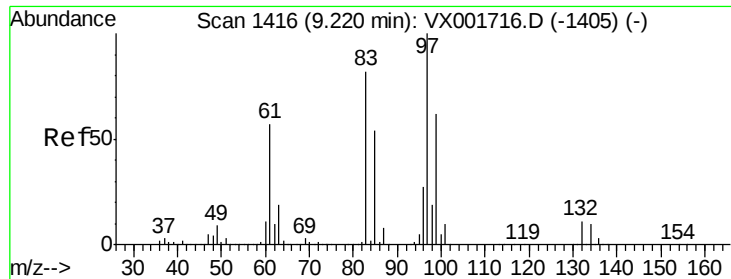
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#54
cis-1,3-Dichloropropene
Concen: 97.86 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion: 75 Resp: 524977
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
39 42.8 36.1 54.1





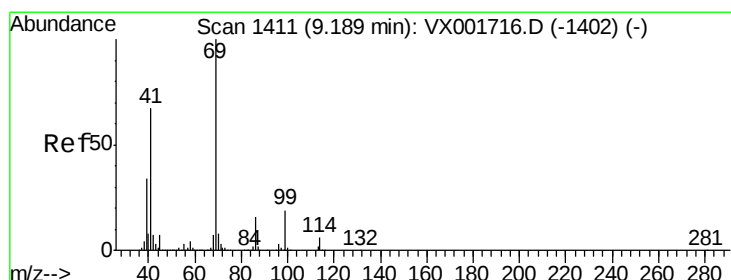
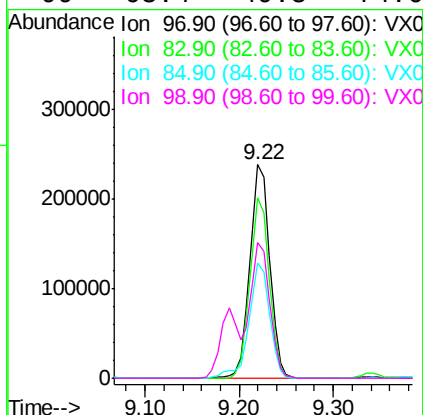
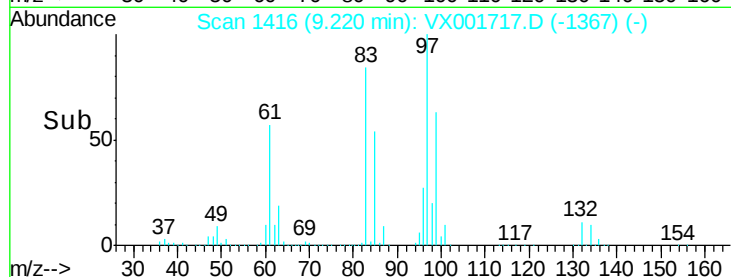
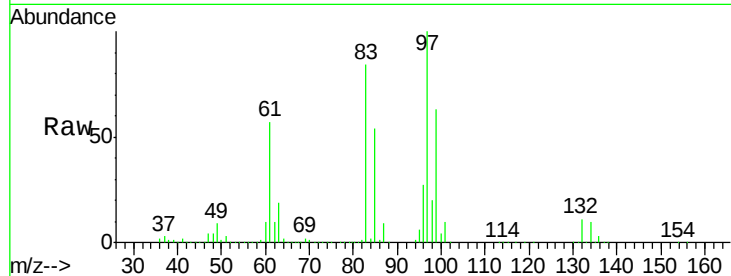
#55
 1,1,2-Trichloroethane
 Concen: 83.22 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		351336		
83	84.3	65.8	98.8		
85	54.2	43.4	65.0		
99	63.4	49.8	74.6		

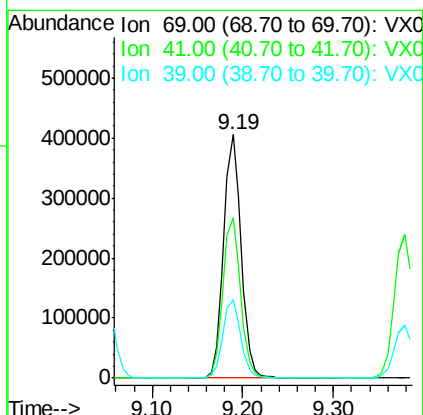
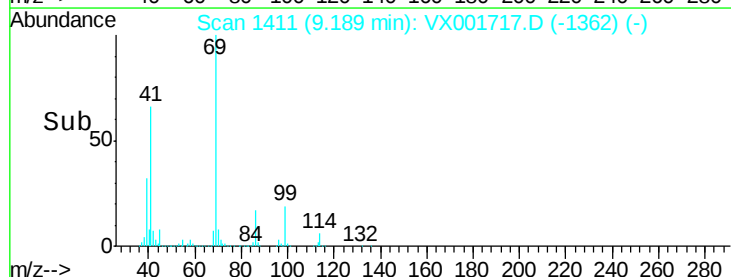
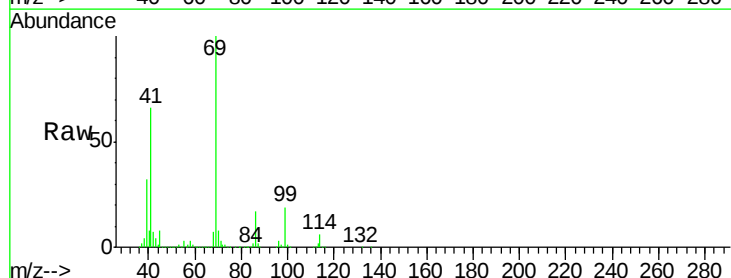
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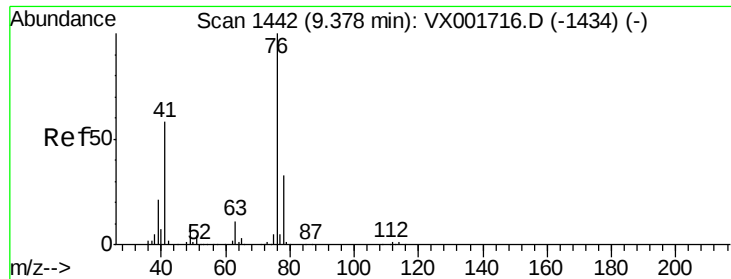
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#56
 Ethyl methacrylate
 Concen: 90.73 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		550103		
41	66.5	53.5	80.3		
39	32.7	27.2	40.8		





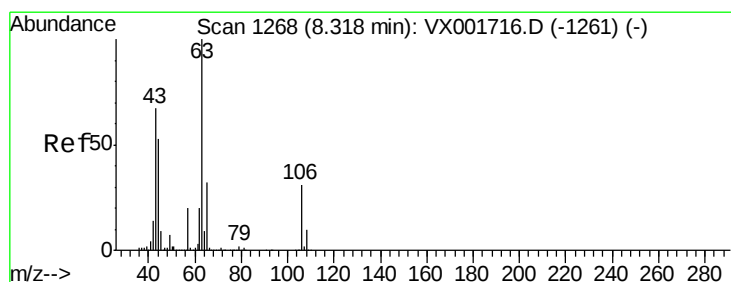
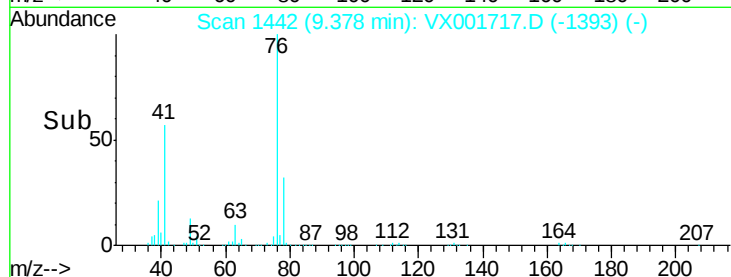
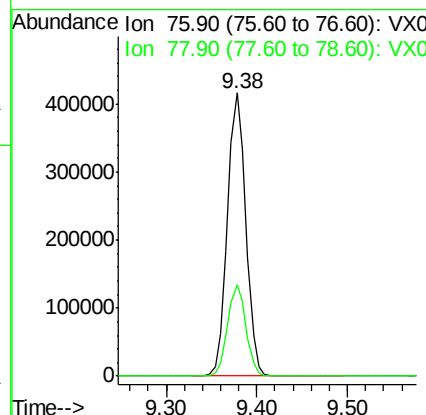
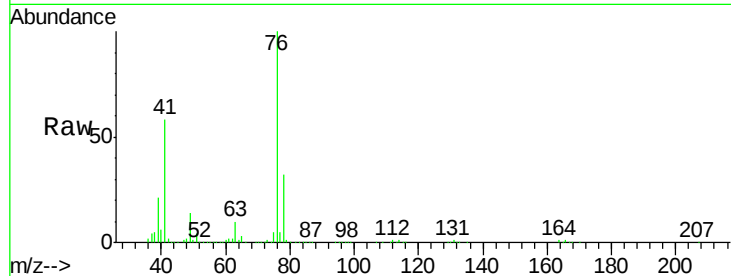
#57
 1,3-Dichloropropane
 Concen: 84.64 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

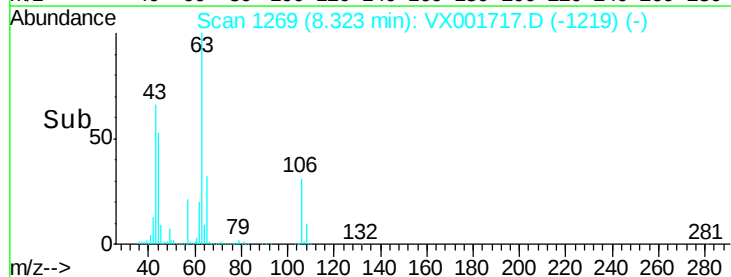
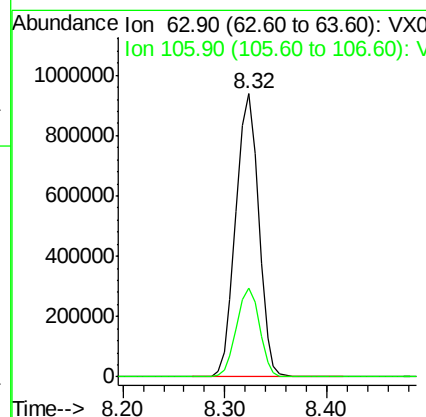
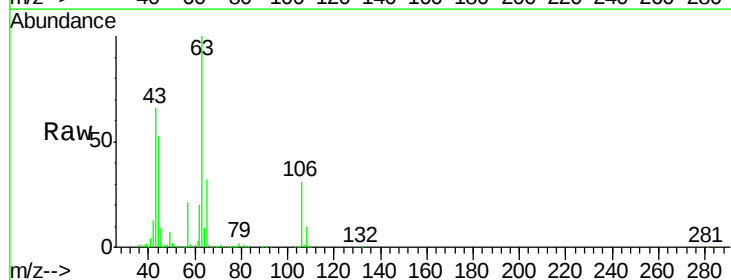
Manual Integrations
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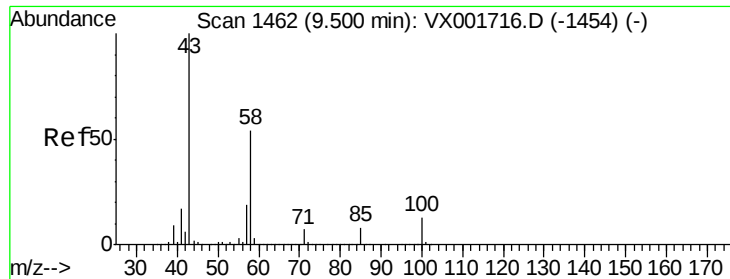
MMDadoda
 5/16/2018 11:54:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 485.31 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.5	25.1	37.7





#59

2-Hexanone

Concen: 420.13 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.01 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Tot Ion: 43 Resp: 1949051

Ion Ratio Lower Upper

43 100

58 56.0 27.7 83.1

Instrument :

MSVOA_X

ClientSampleId :

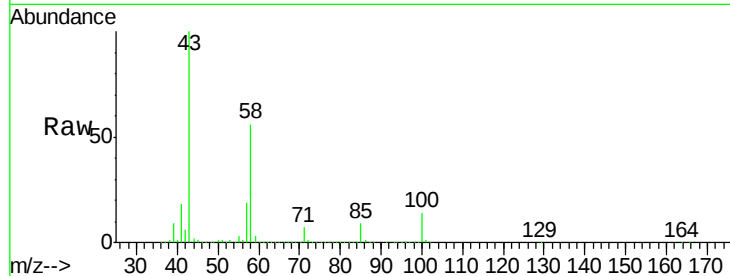
VSTDIC100

Manual Integrations

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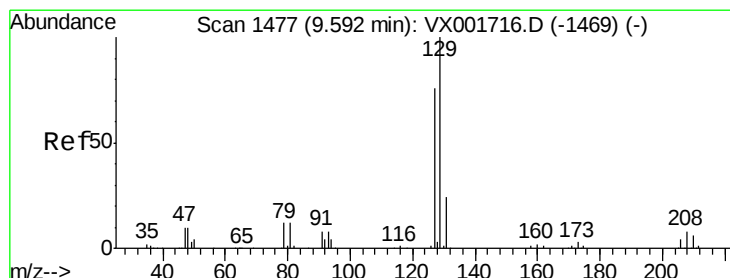
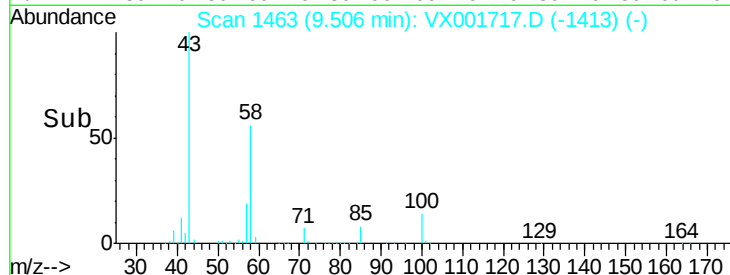
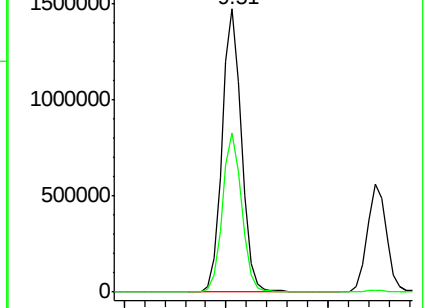
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX001717.D (-1454) (-)

Ion 58.00 (57.70 to 58.70): VX001717.D (-1454) (-)



#60

Dibromochloromethane

Concen: 93.92 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX001717.D

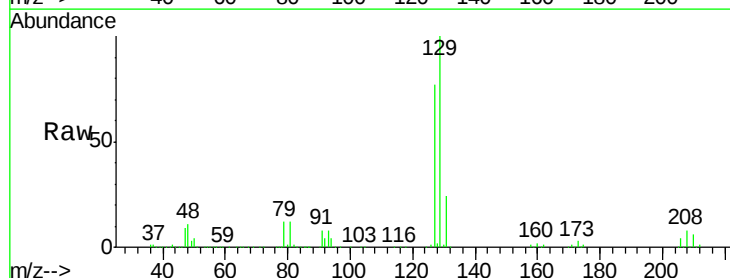
Acq: 14 May 2018 18:43

Tgt Ion:129 Resp: 403372

Ion Ratio Lower Upper

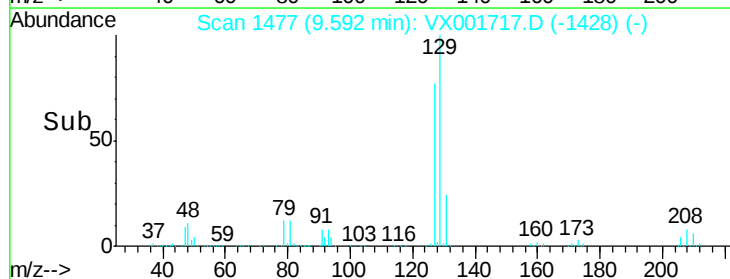
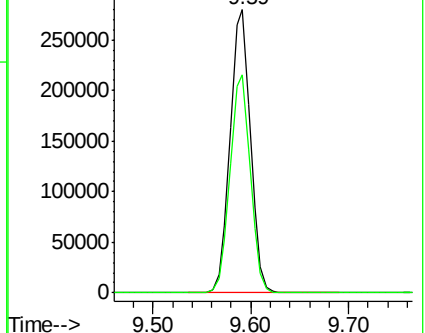
129 100

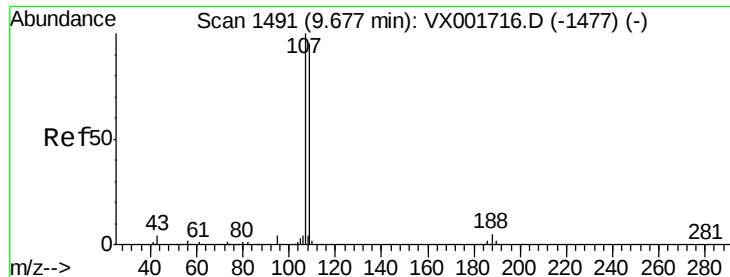
127 77.0 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): VX001717.D (-1469) (-)

Ion 126.80 (126.50 to 127.50): VX001717.D (-1469) (-)





#61

1,2-Dibromoethane

Concen: 86.43 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 381901

Ion Ratio Lower Upper

107 100

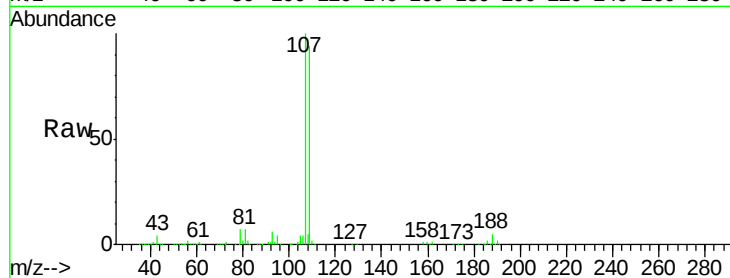
109 94.5 76.2 114.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

250000

200000

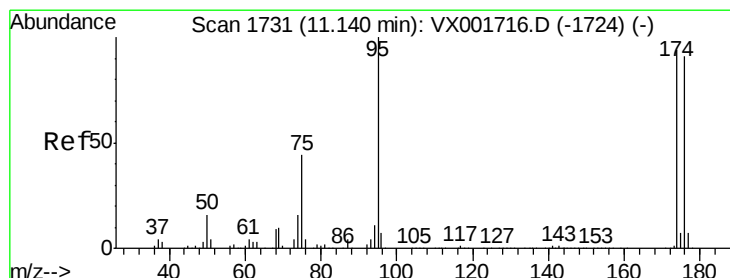
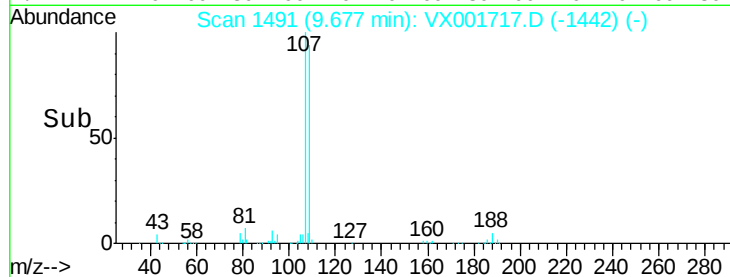
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 89.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

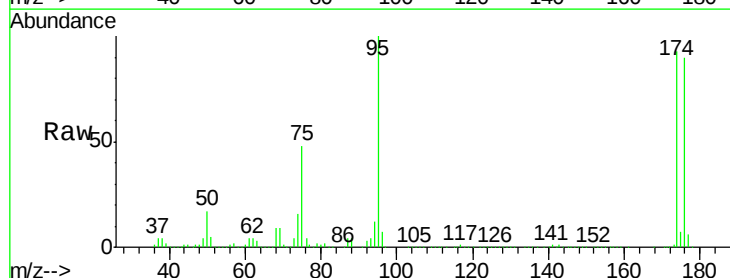
Tgt Ion: 95 Resp: 476898

Ion Ratio Lower Upper

95 100

174 102.6 0.0 201.8

176 99.9 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

400000

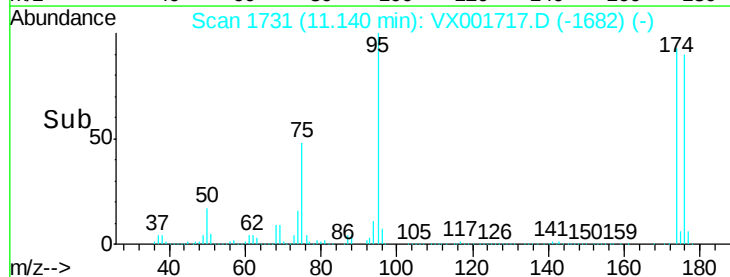
300000

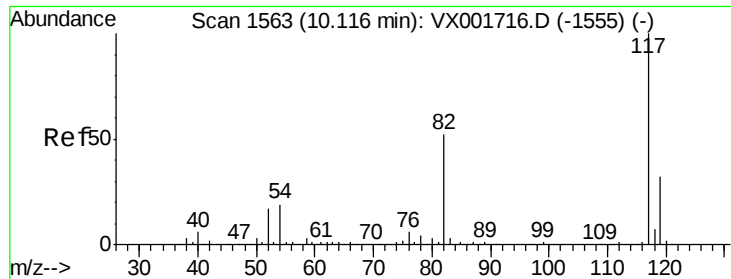
200000

100000

0

Time-->





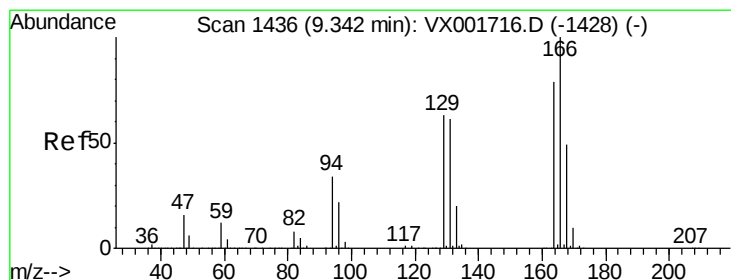
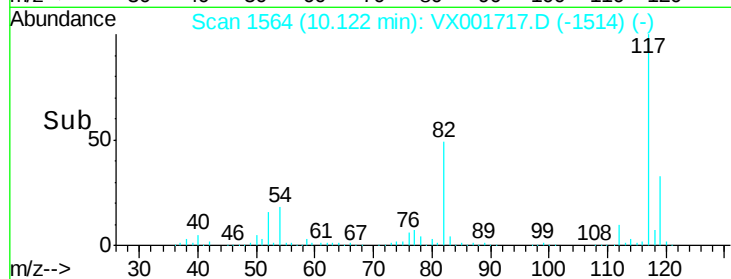
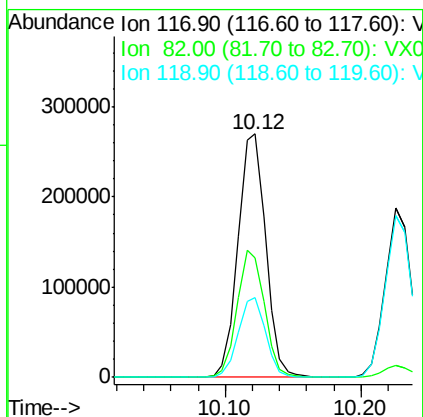
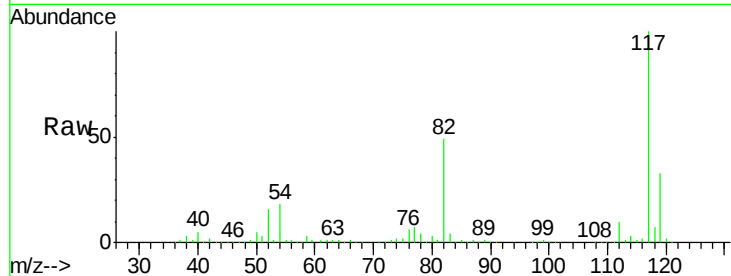
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.2	41.4	62.2
119	33.0	25.6	38.4

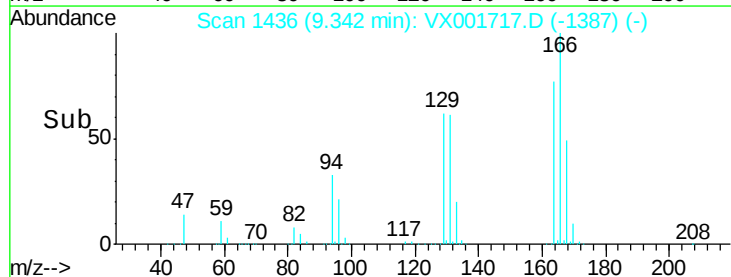
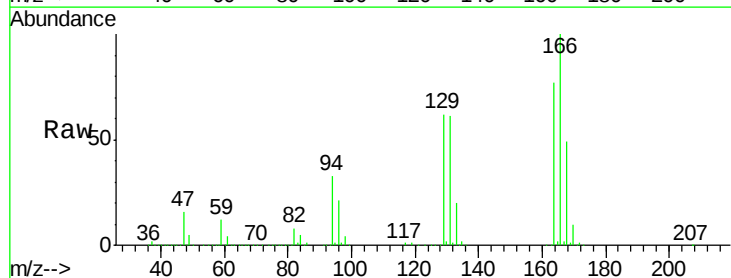
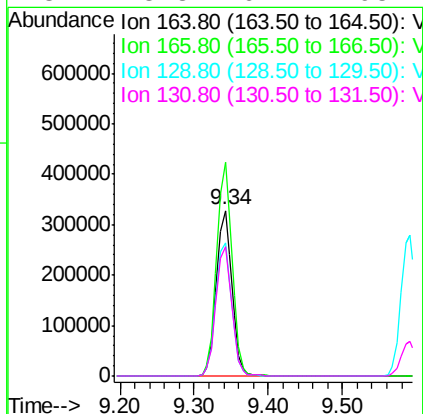
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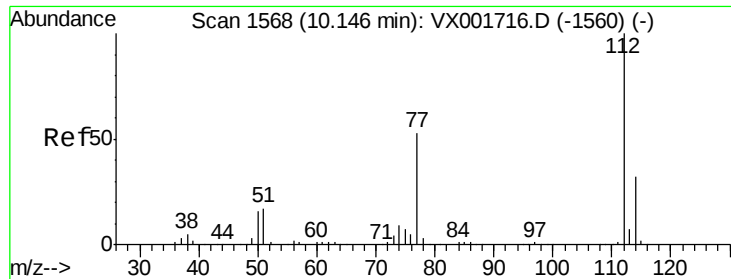
MMDadoda
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#64
Tetrachloroethene
Concen: 89.34 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.8	152.8
129	80.8	63.8	95.6
131	78.3	62.2	93.2





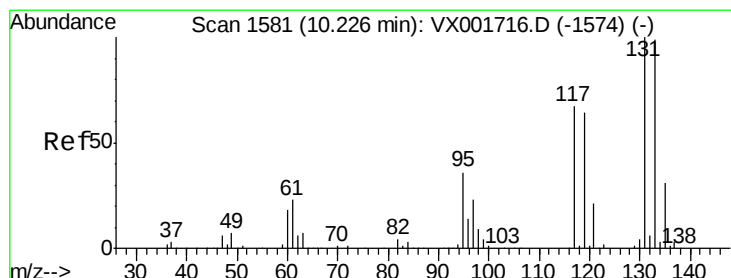
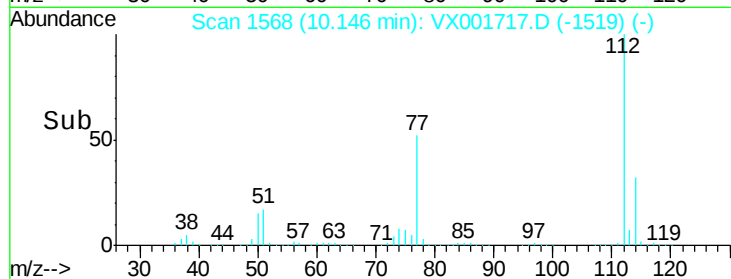
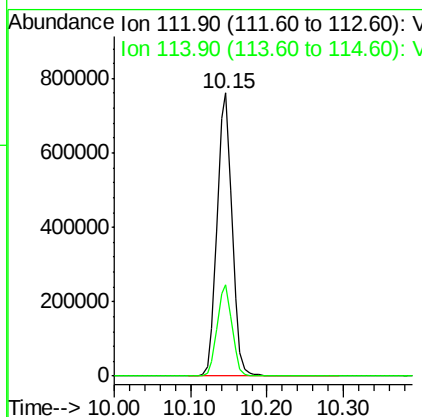
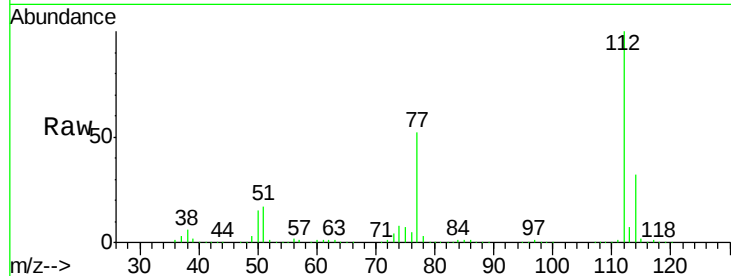
#65
Chlorobenzene
Concen: 92.63 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1031098
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

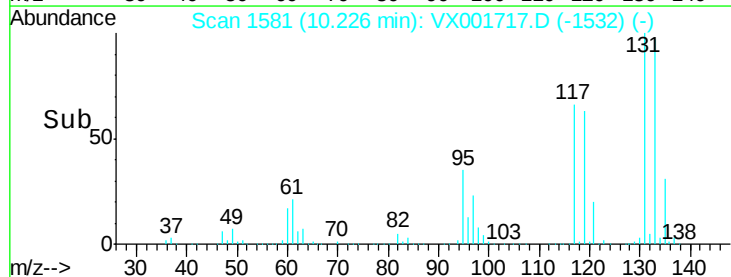
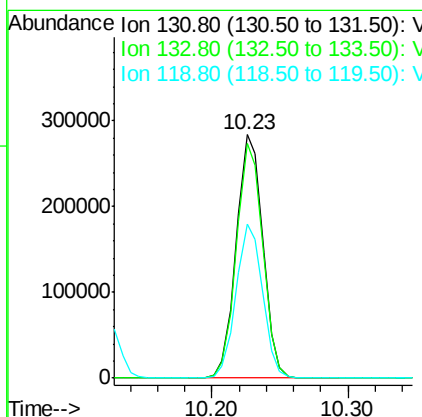
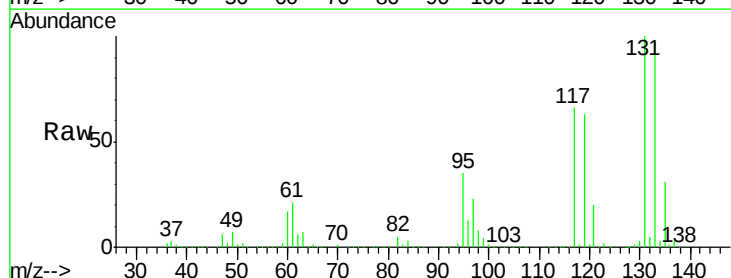
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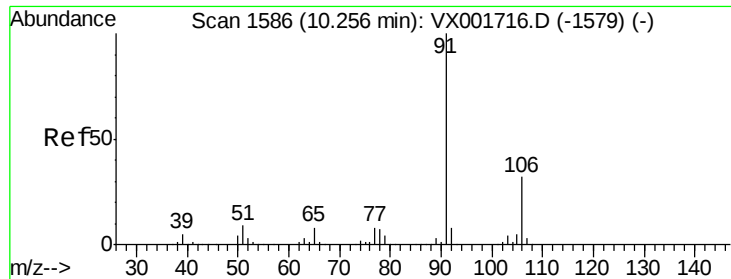
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#66
1,1,1,2-Tetrachloroethane
Concen: 97.01 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion:131 Resp: 385070
Ion Ratio Lower Upper
131 100
133 95.9 48.5 145.6
119 63.2 31.9 95.5





#67

Ethyl Benzene

Concen: 93.33 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1701037

Ion Ratio Lower Upper

91 100

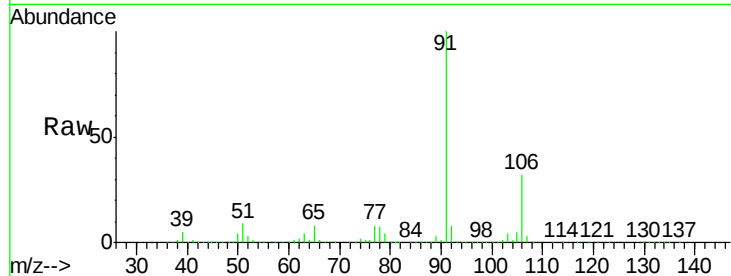
106 32.4 25.7 38.5

Manual Integrations

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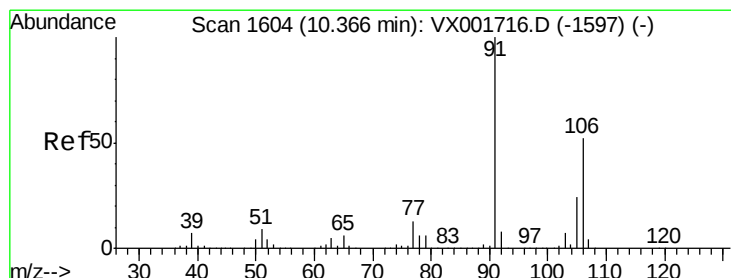
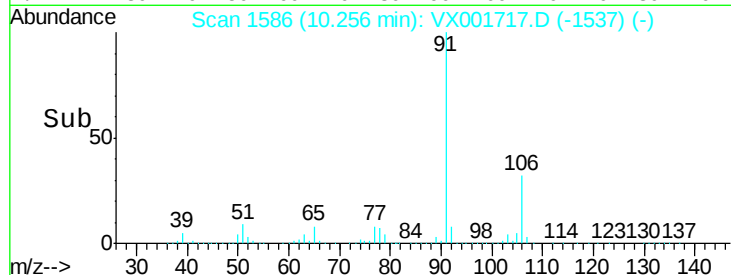
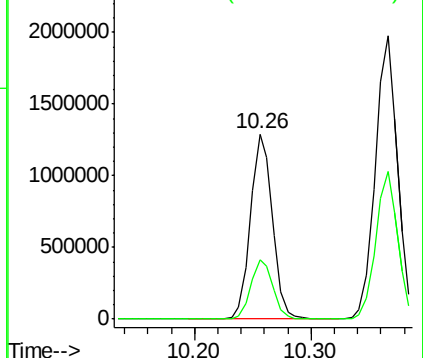
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 188.92 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001717.D

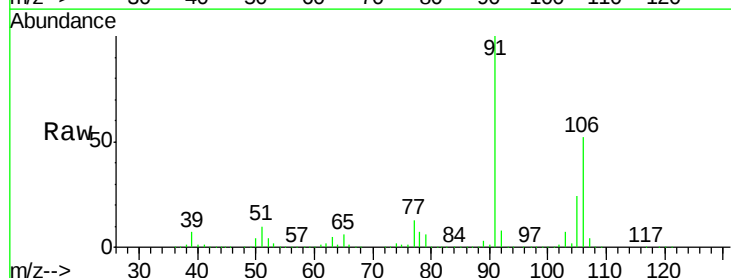
Acq: 14 May 2018 18:43

Tgt Ion: 106 Resp: 1359055

Ion Ratio Lower Upper

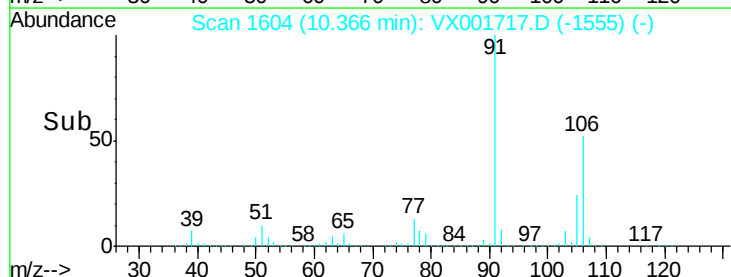
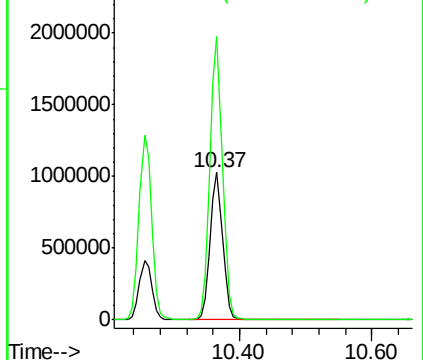
106 100

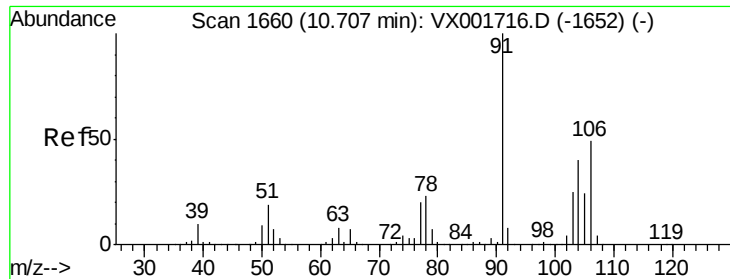
91 193.2 155.4 233.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





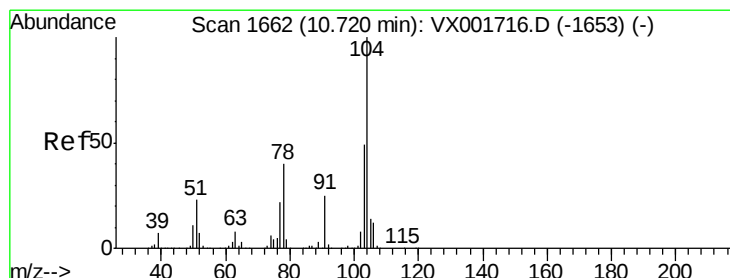
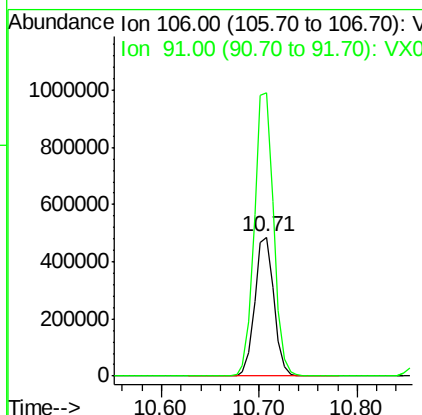
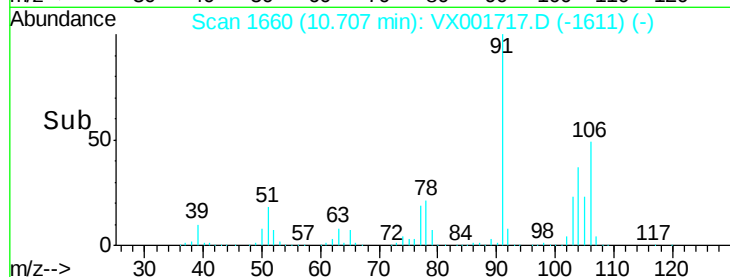
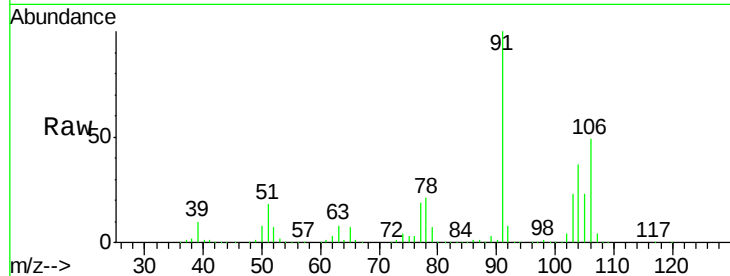
#69
o-Xylene
Concen: 94.85 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 661456
Ion Ratio Lower Upper
106 100
91 205.4 103.4 310.2

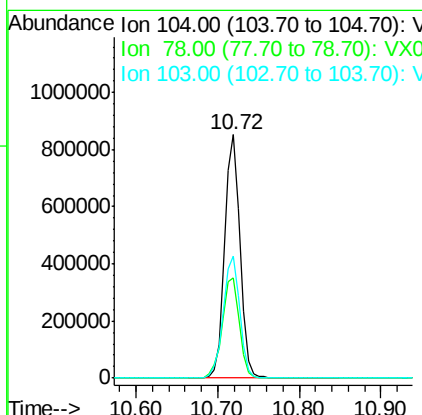
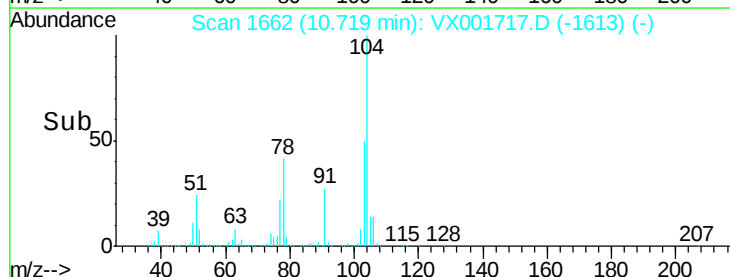
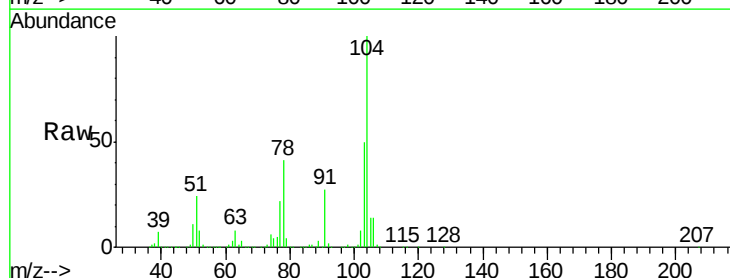
Manual Integrations
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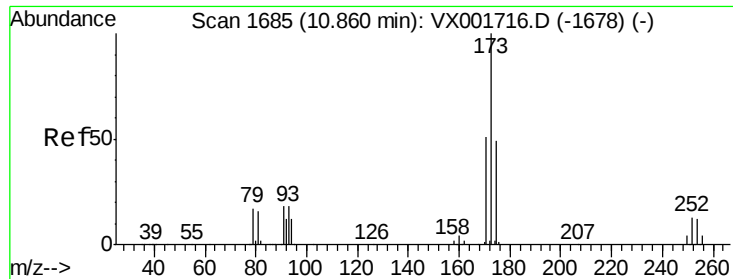
MMDadoda
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#70
Styrene
Concen: 97.51 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion:104 Resp: 1106858
Ion Ratio Lower Upper
104 100
78 46.6 37.3 55.9
103 54.6 43.7 65.5





#71

Bromoform

Concen: 108.13 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

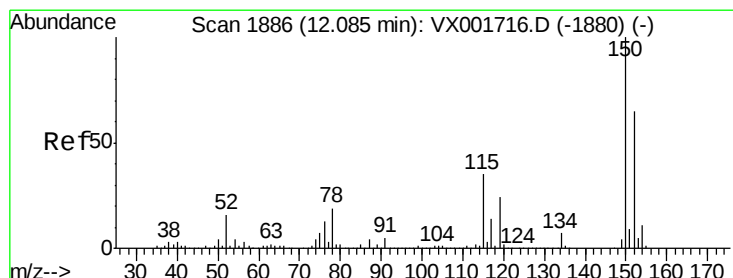
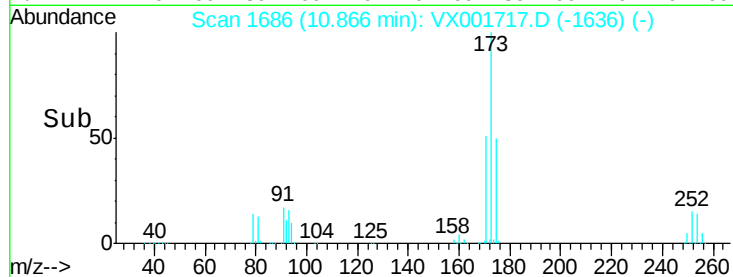
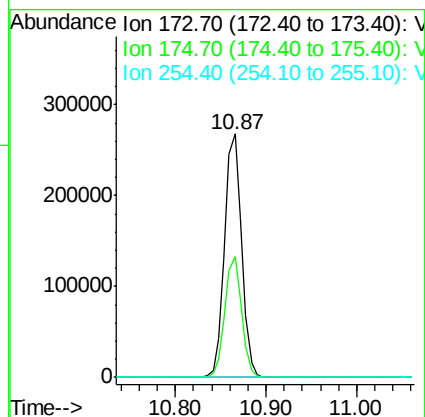
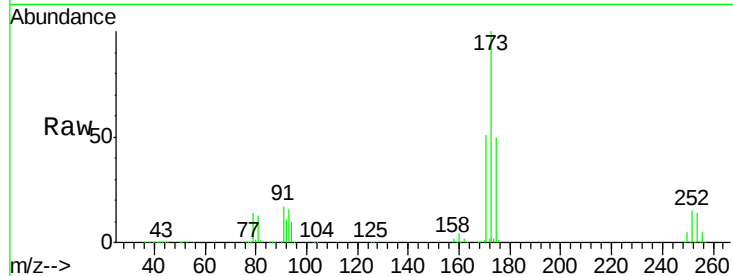
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

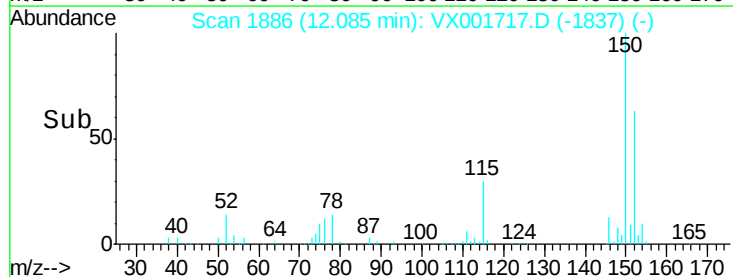
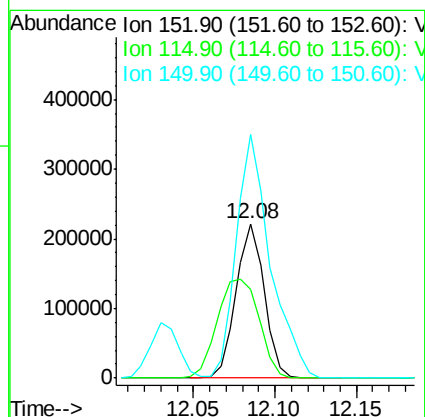
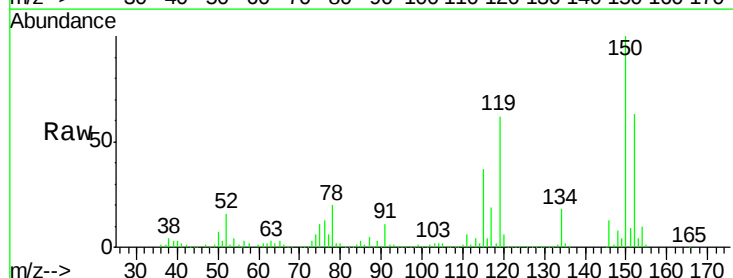
RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	95.8	37.4	112.2
150	191.5	0.0	344.8





#73

Isopropylbenzene

Concen: 95.04 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1743659

Ion Ratio Lower Upper

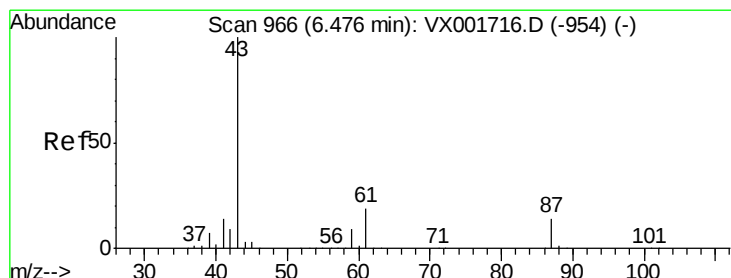
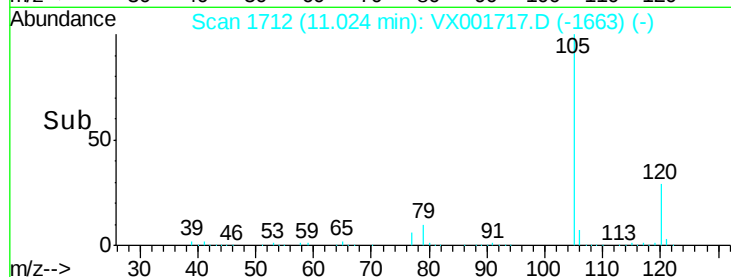
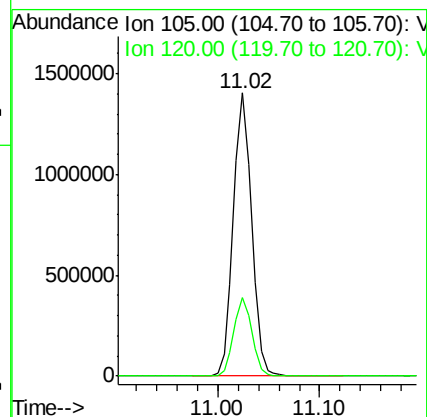
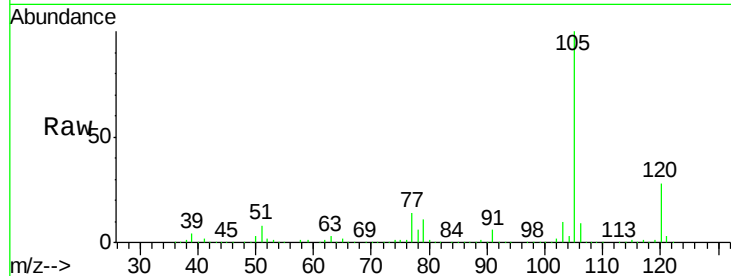
105 100

120 27.6 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 102.69 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Tgt Ion: 43 Resp: 864959

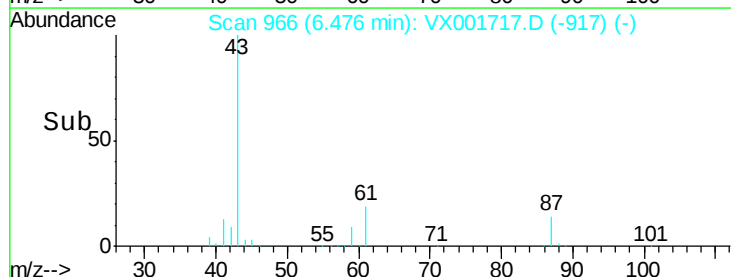
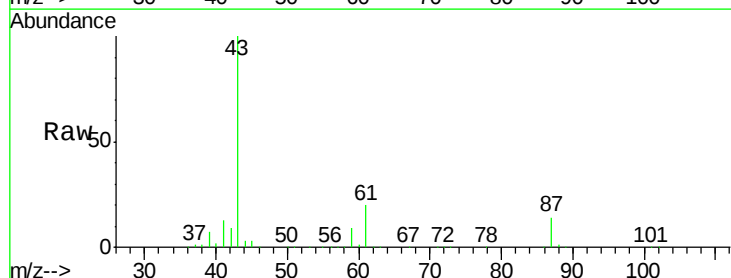
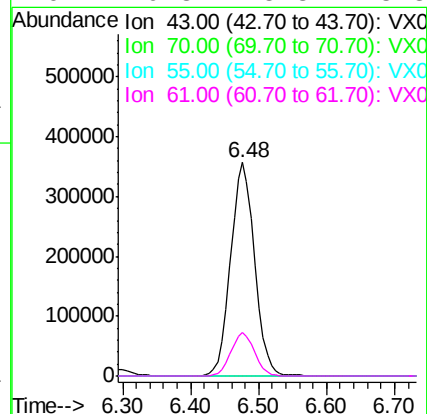
Ion Ratio Lower Upper

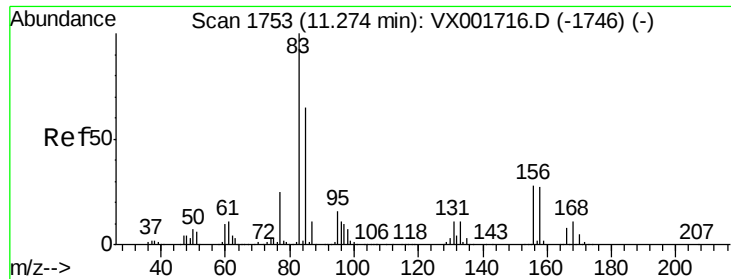
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.3 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 95.57 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 517349

Ion Ratio Lower Upper

83 100

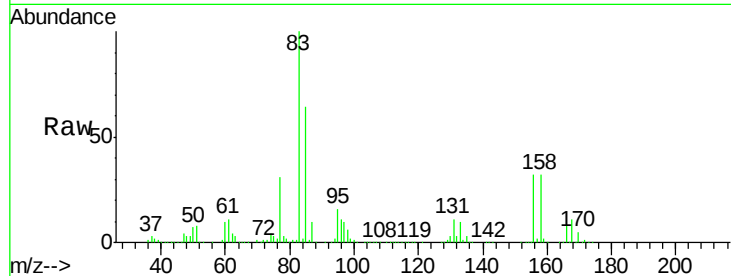
131 11.4 5.7 17.0

85 64.6 32.7 98.1

Manual Integrations
APPROVED

MMDadoda

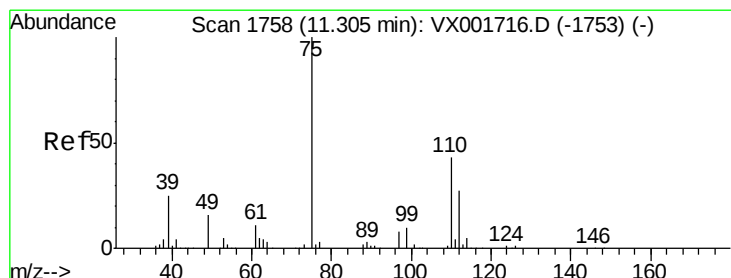
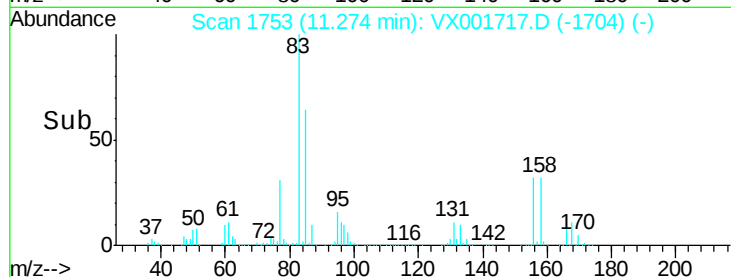
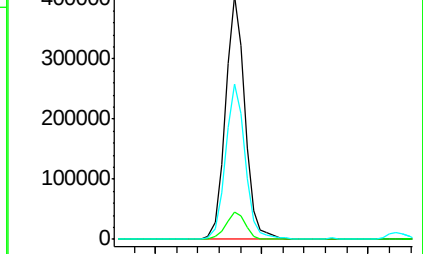
5/16/2018 11:54:08 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 93.12 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001717.D

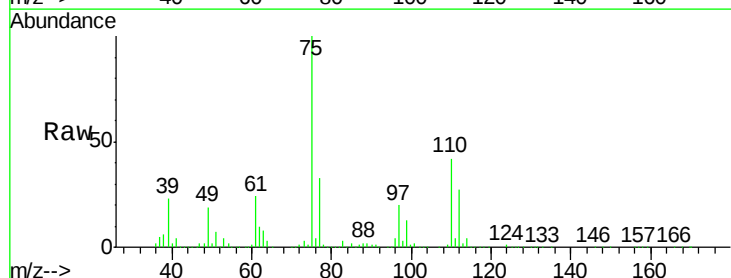
Acq: 14 May 2018 18:43

Tgt Ion: 75 Resp: 501576

Ion Ratio Lower Upper

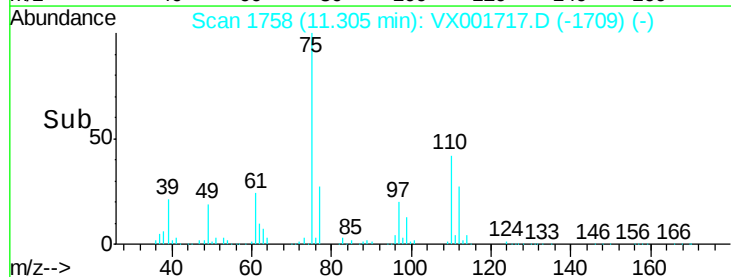
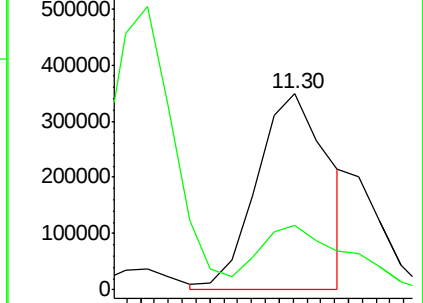
75 100

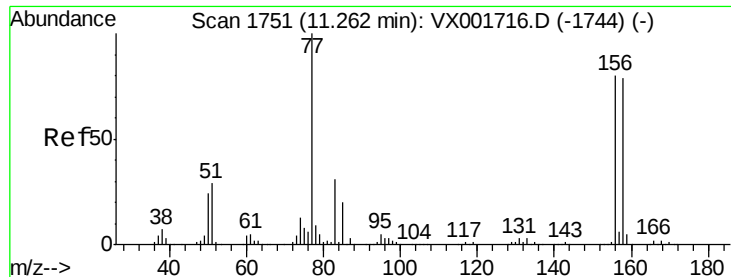
77 40.4 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 94.19 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 503979

Ion Ratio Lower Upper

156 100

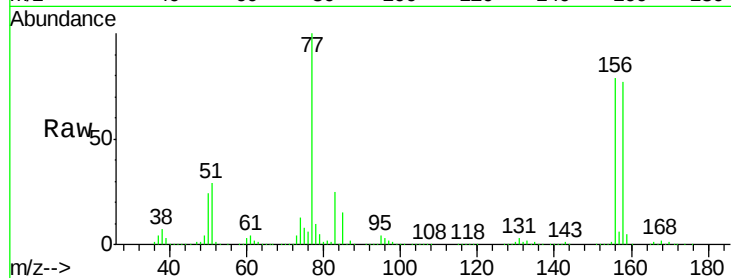
77 130.4 65.3 196.0

158 98.0 49.1 147.3

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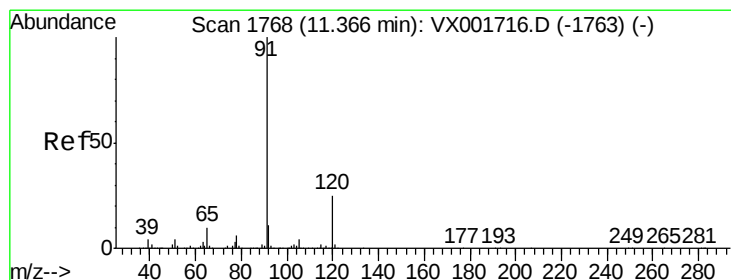
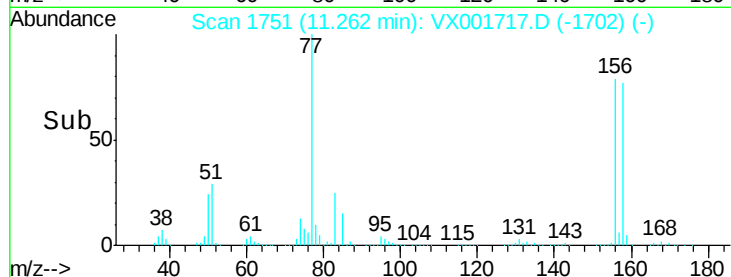
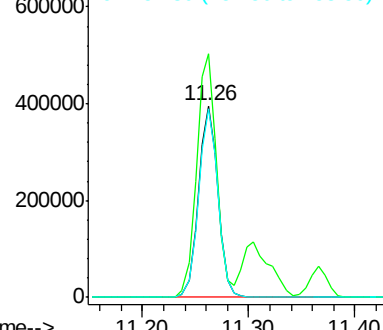
5/16/2018 11:54:08 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 97.72 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001717.D

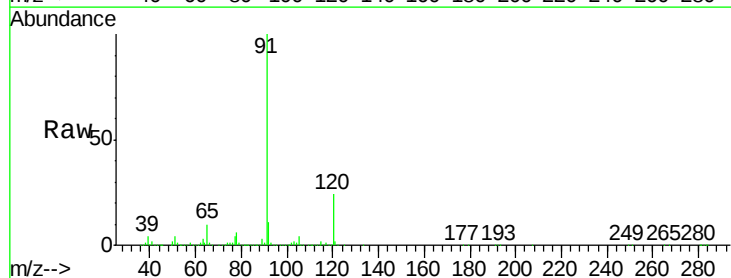
Acq: 14 May 2018 18:43

Tgt Ion: 91 Resp: 1955884

Ion Ratio Lower Upper

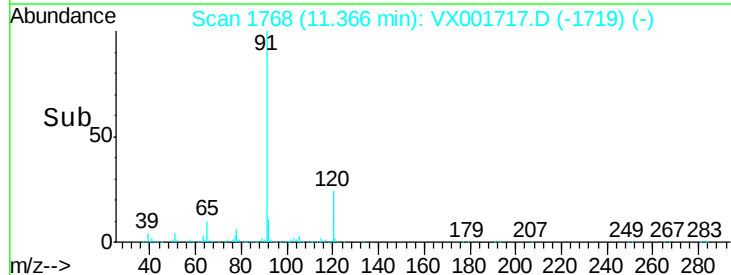
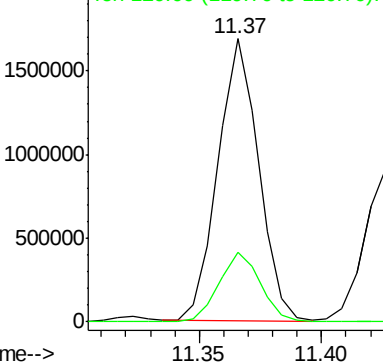
91 100

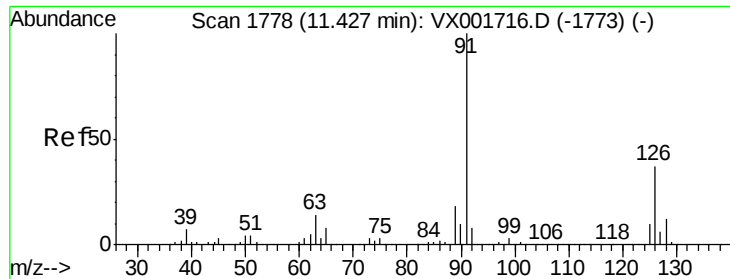
120 25.1 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 94.18 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1155695

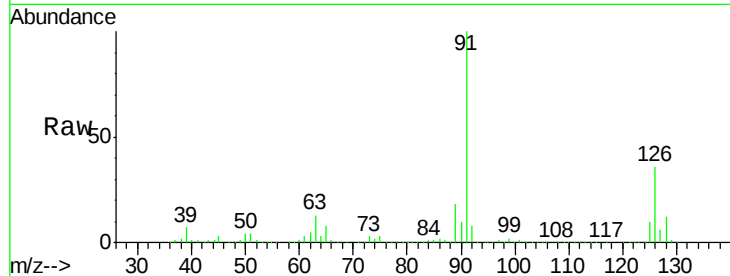
Ion Ratio Lower Upper

91 100

126 36.9 18.4 55.4

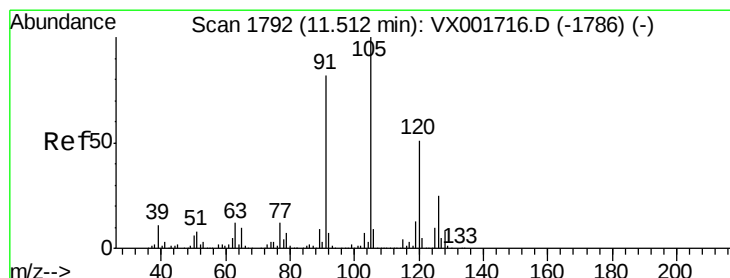
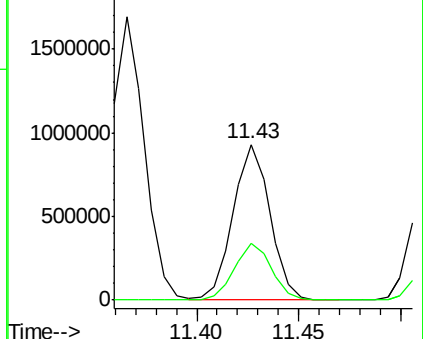
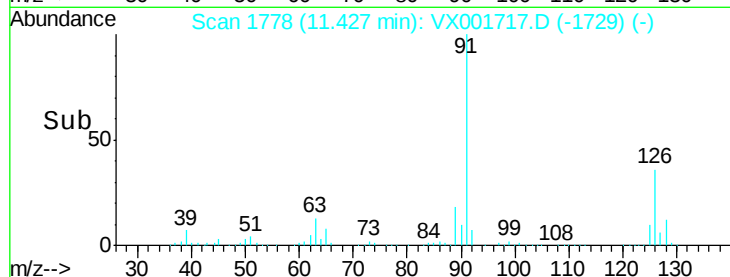
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Abundance Ion 91.00 (90.70 to 91.70): VX001717.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001717.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 95.66 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001717.D

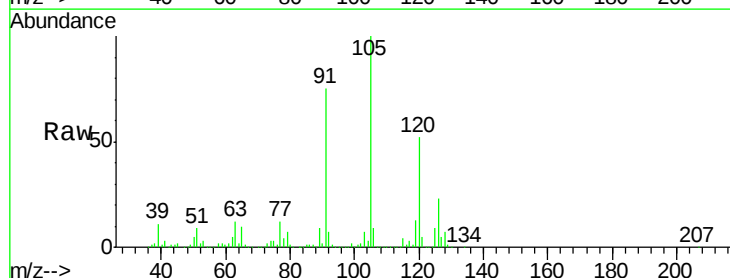
Acq: 14 May 2018 18:43

Tgt Ion: 105 Resp: 1458655

Ion Ratio Lower Upper

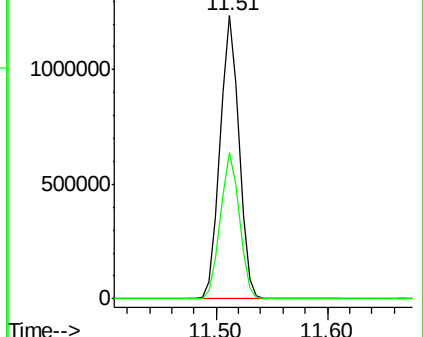
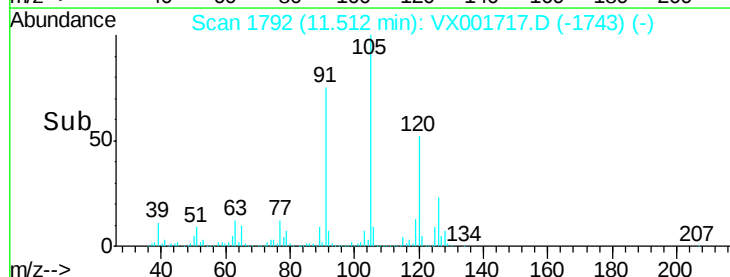
105 100

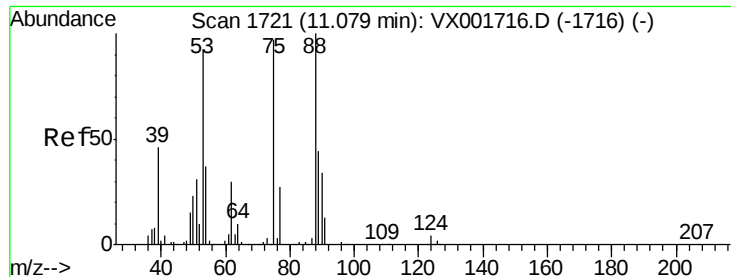
120 51.9 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VX001717.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001717.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 120.23 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 170800

Ion Ratio Lower Upper

75 100

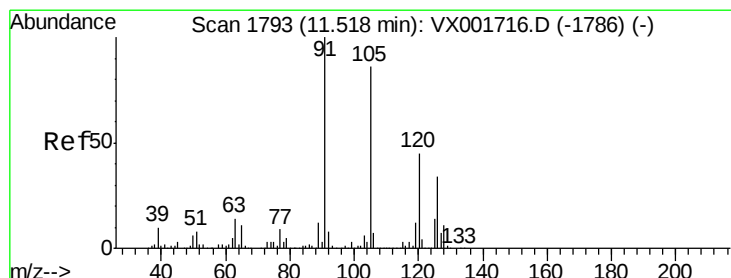
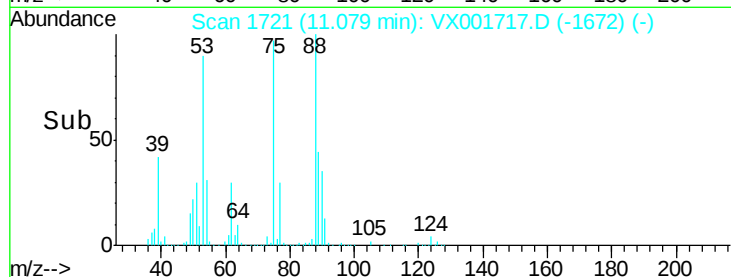
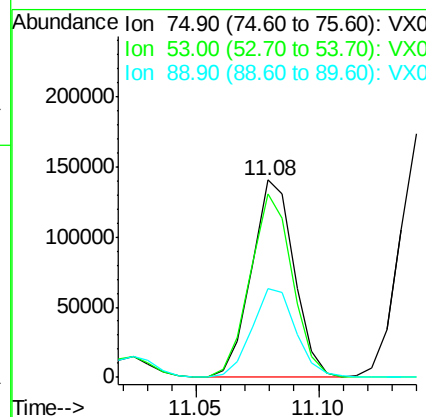
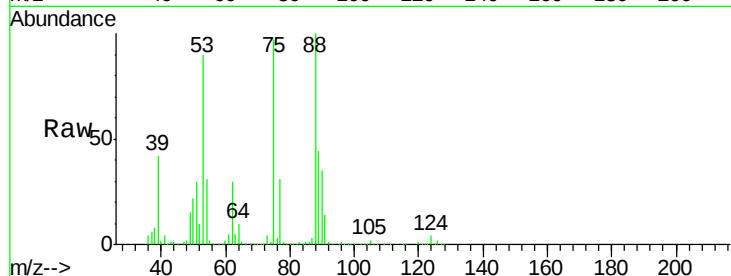
53 92.4 79.4 119.2

89 47.2 38.8 58.2

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#82

4-Chlorotoluene

Concen: 95.91 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001717.D

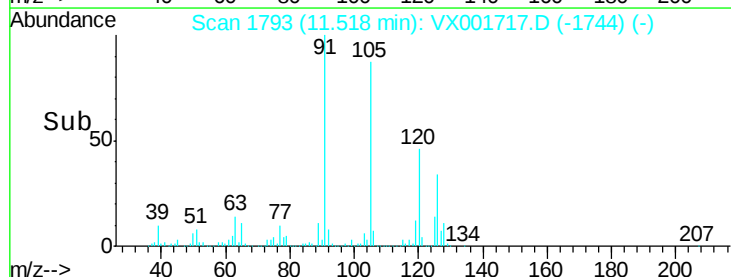
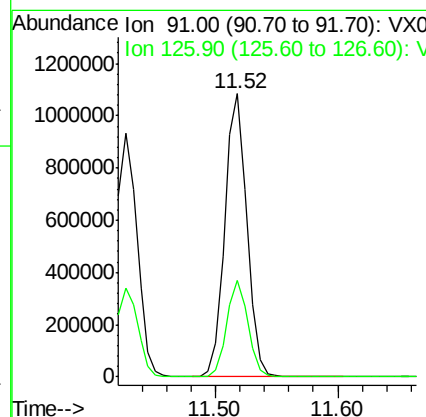
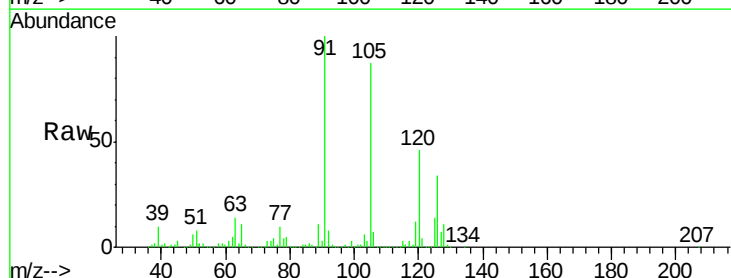
Acq: 14 May 2018 18:43

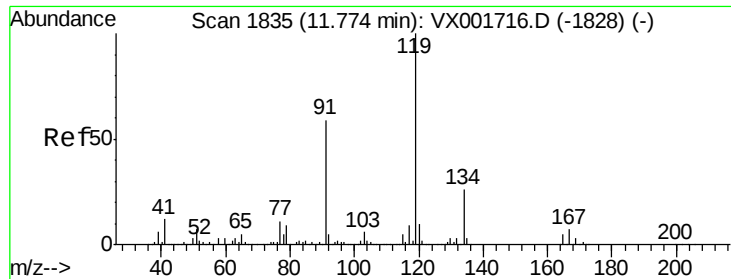
Tgt Ion: 91 Resp: 1358866

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.1





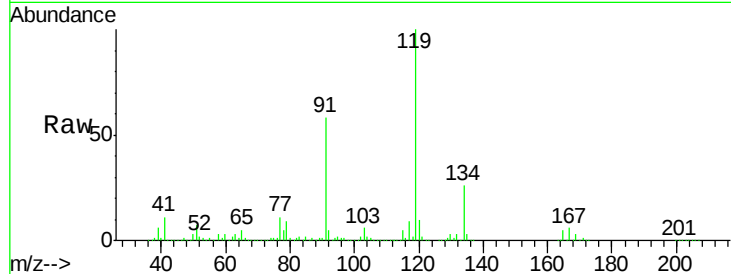
#83
tert-Butylbenzene
Concen: 98.98 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

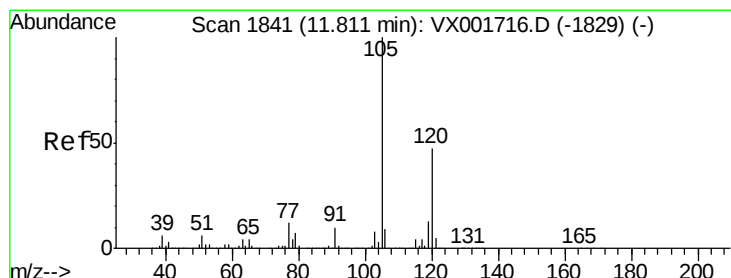
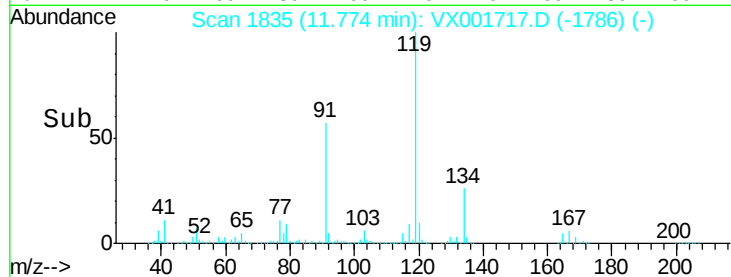
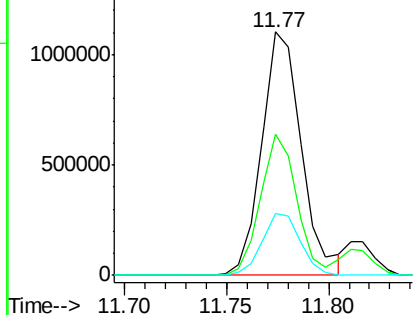
Tot Ion	Ratio	Lower	Upper
119	100		
91	52.9	27.7	83.0
134	24.5	12.7	38.1

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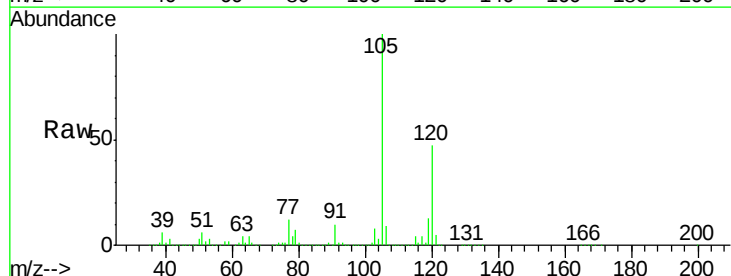


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V

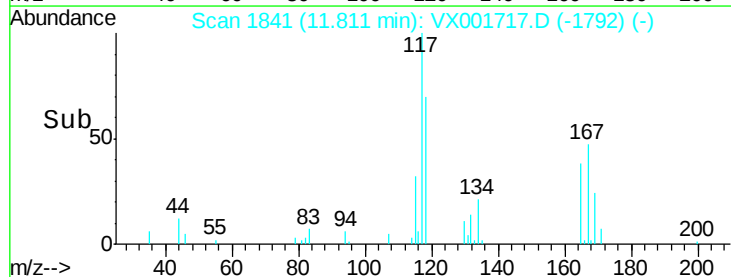
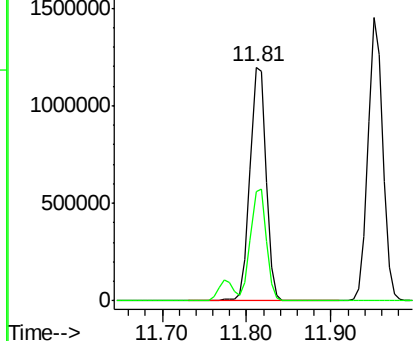


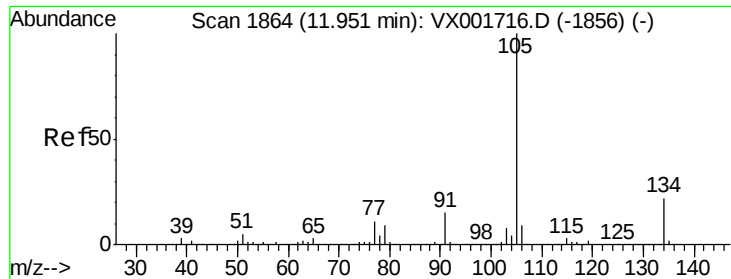
#84
1,2,4-Trimethylbenzene
Concen: 96.72 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.5	70.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 97.75 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1781675

Ion Ratio Lower Upper

105 100

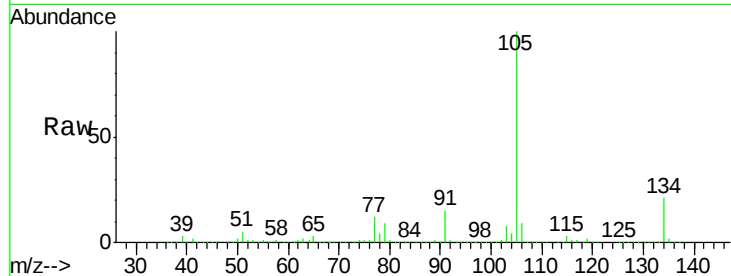
134 21.9 10.9 32.6

Manual Integrations

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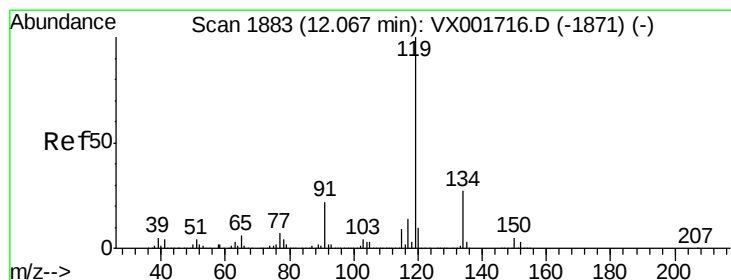
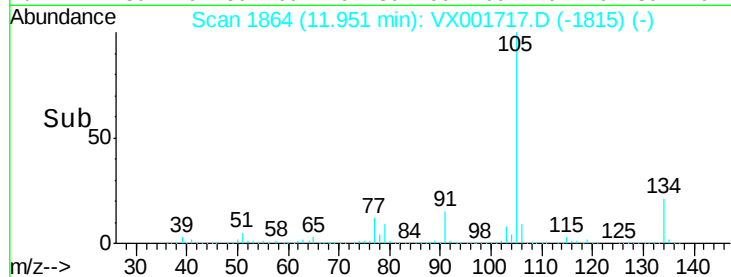
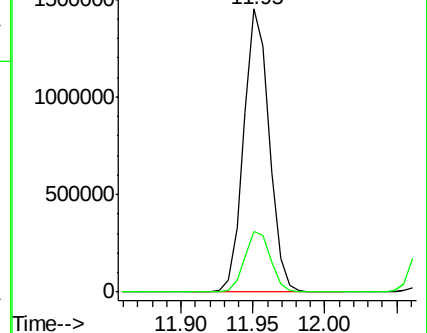
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 99.29 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001717.D

Acq: 14 May 2018 18:43

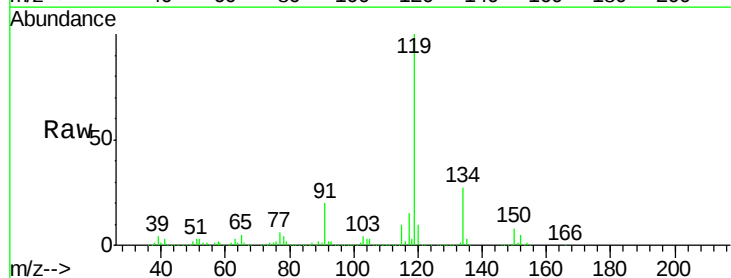
Tgt Ion:119 Resp: 1656651

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

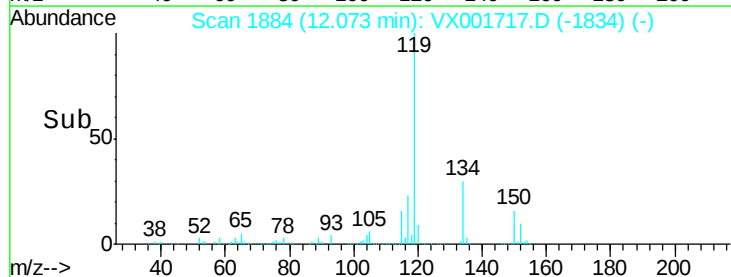
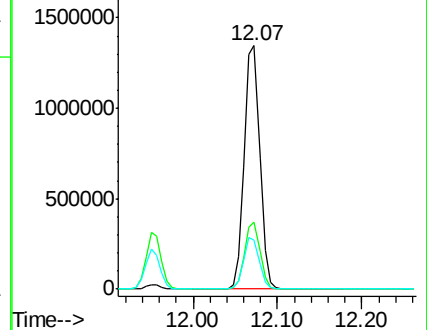
91 21.0 10.7 32.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





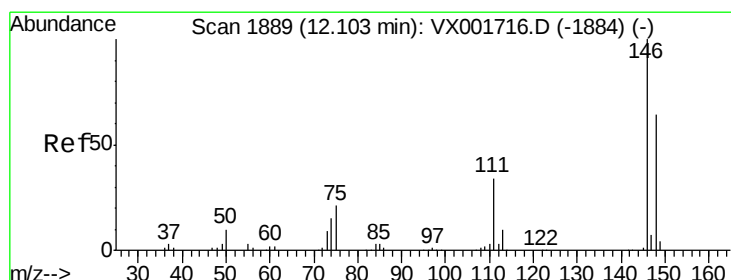
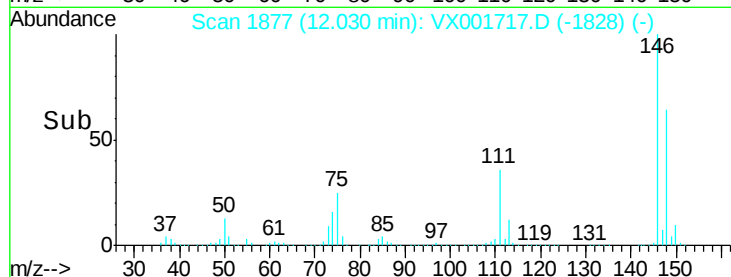
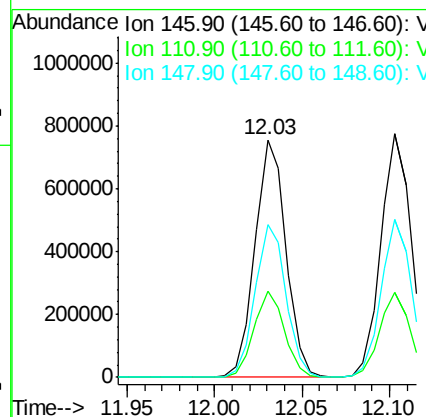
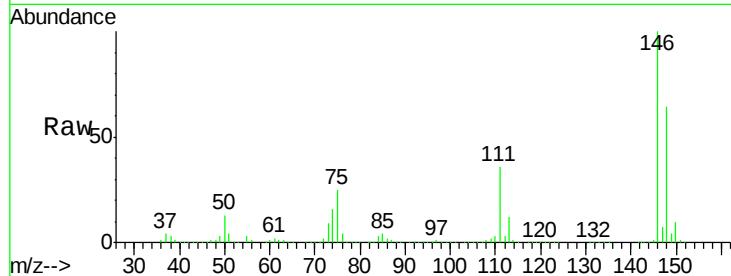
#87
 1,3-Dichlorobenzene
 Concen: 97.36 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	17.8	53.4
148	64.3	32.1	96.3

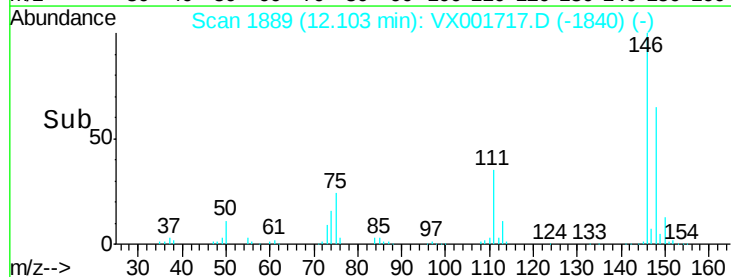
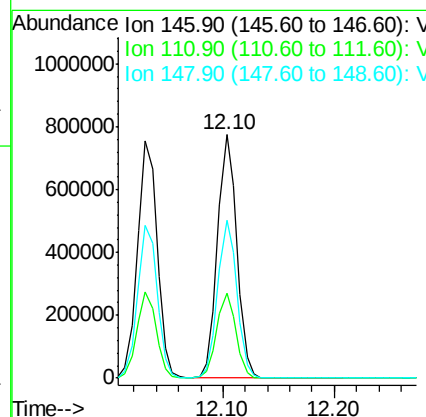
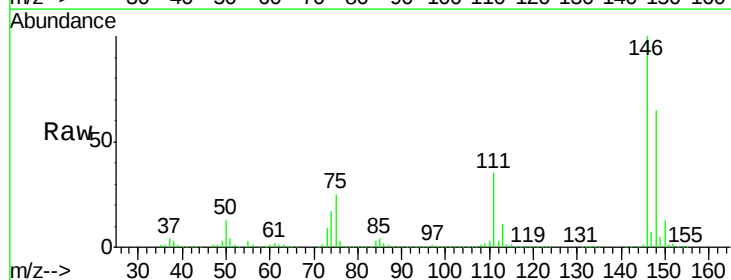
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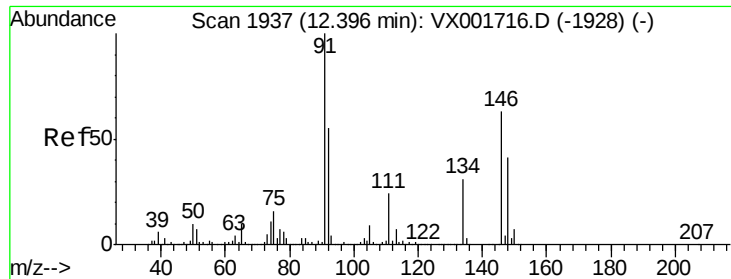
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#88
 1,4-Dichlorobenzene
 Concen: 96.06 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	17.3	52.0
148	64.4	32.3	96.9





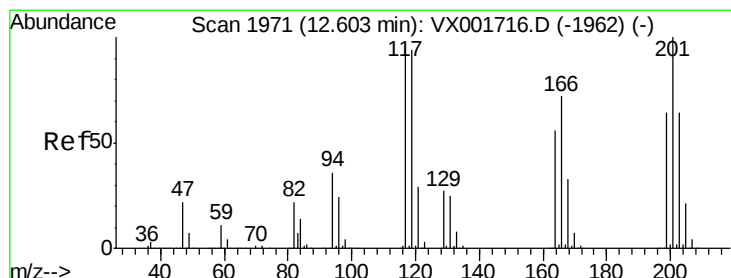
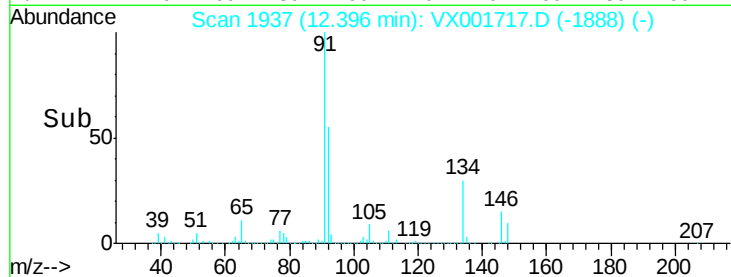
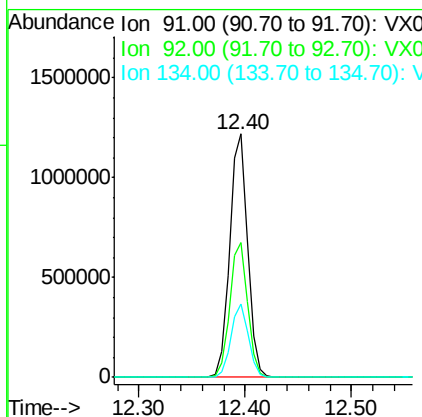
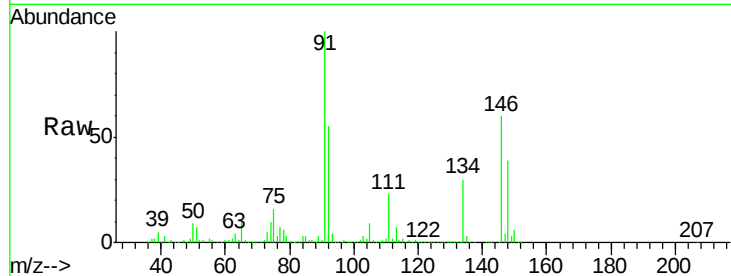
#89
n-Butylbenzene
Concen: 103.26 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1437079
Ion Ratio Lower Upper
91 100
92 55.3 27.3 81.9
134 29.5 14.7 44.1

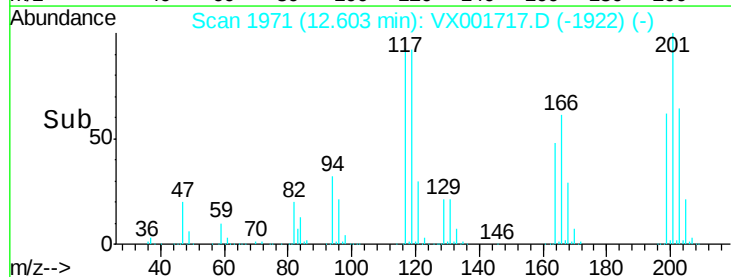
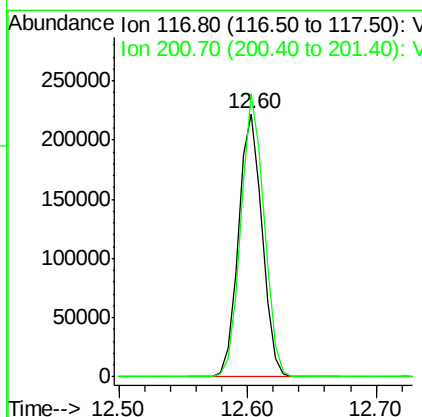
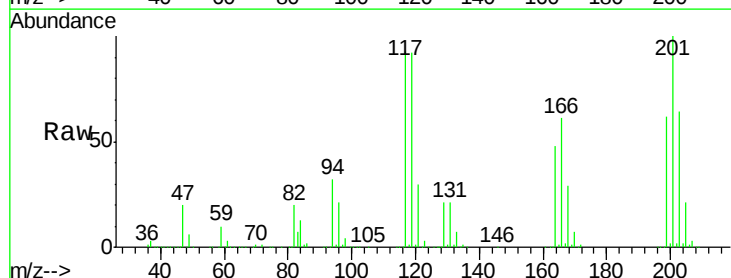
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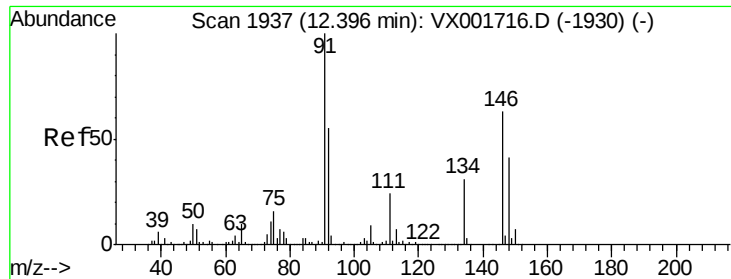
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#90
Hexachloroethane
Concen: 110.59 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion: 117 Resp: 280868
Ion Ratio Lower Upper
117 100
201 105.4 51.9 155.7





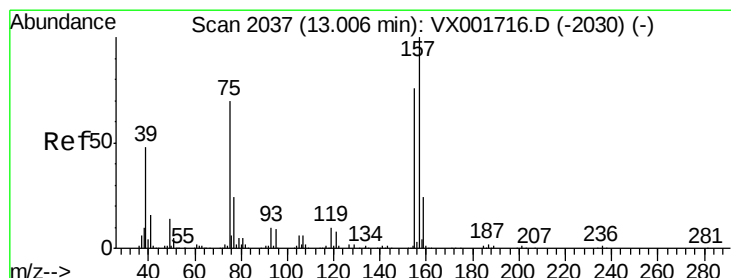
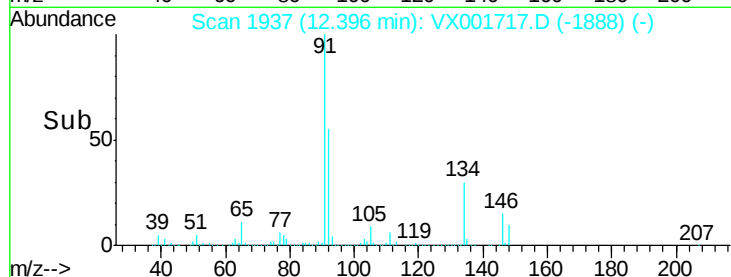
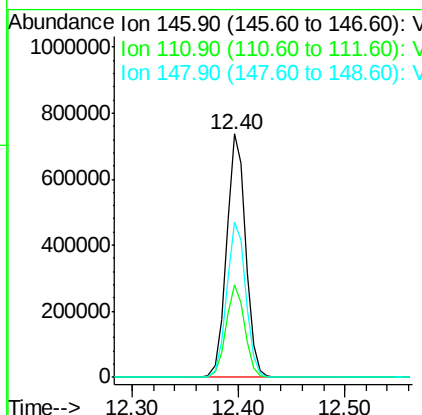
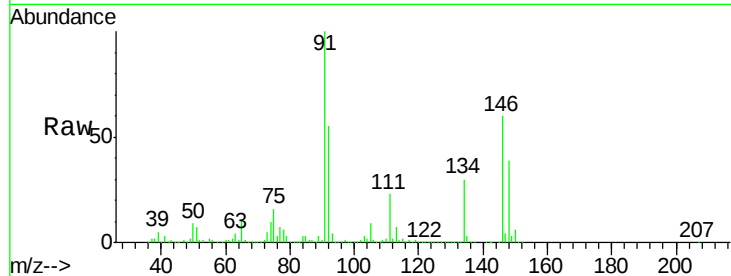
#91
 1,2-Dichlorobenzene
 Concen: 95.15 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	56.0
148	63.8	32.4	97.0

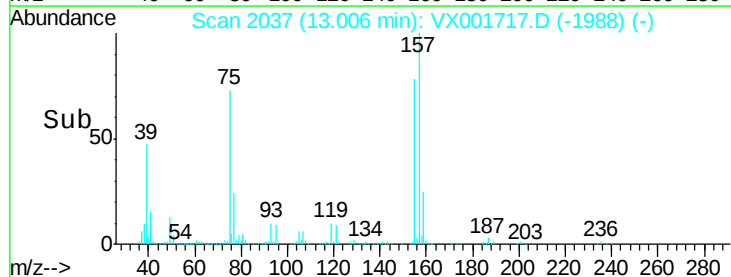
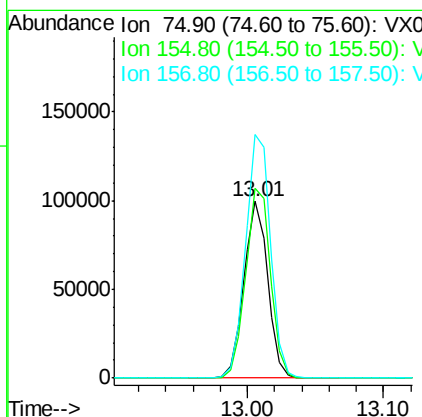
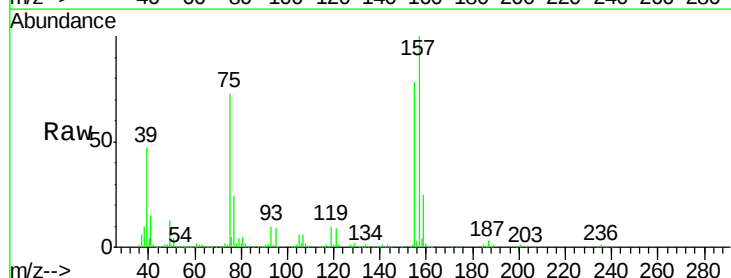
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.08 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.9	53.9	161.8
157	144.1	71.0	213.2





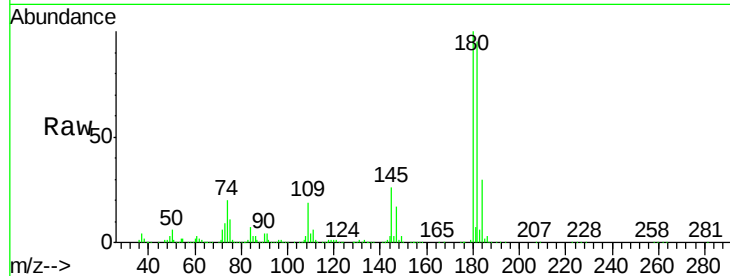
#93
 1,2,4-Trichlorobenzene
 Concen: 104.45 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

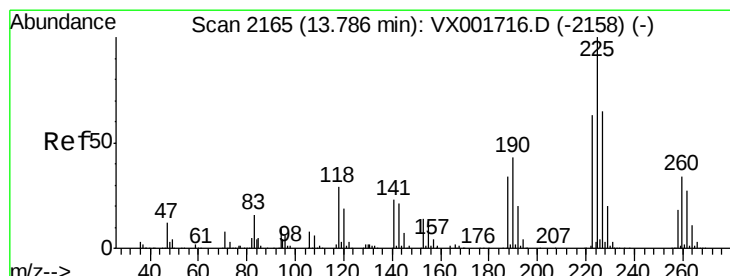
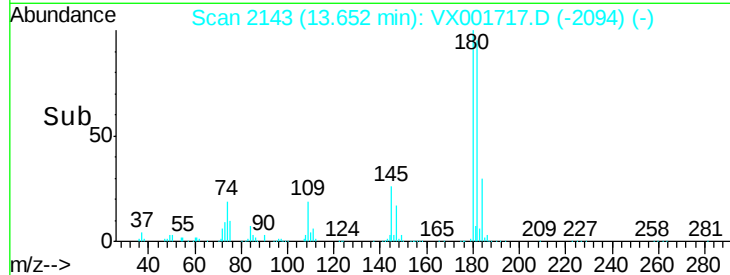
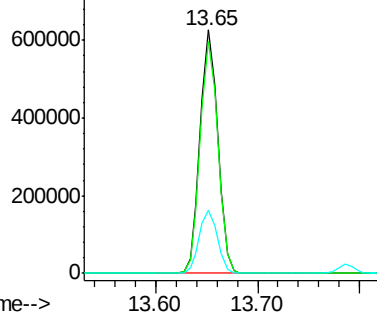
Tot Ion	Ratio	Resp	Lower	Upper
180	100	749544		
182	95.8	47.6	142.9	
145	26.5	13.4	40.1	

Manual Integrations
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MMDadoda
 5/16/2018 11:54:08 AM

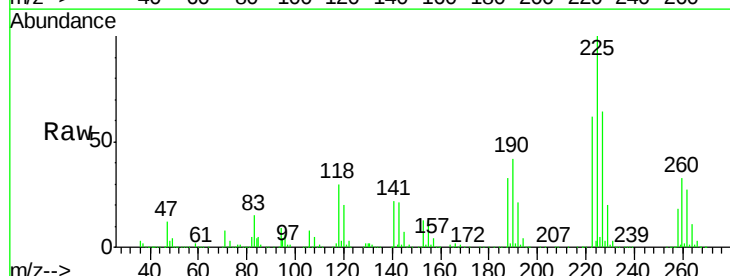


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

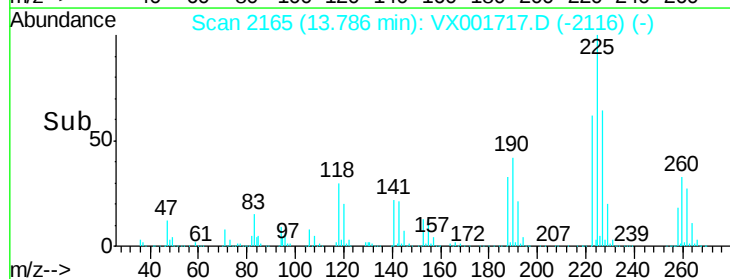
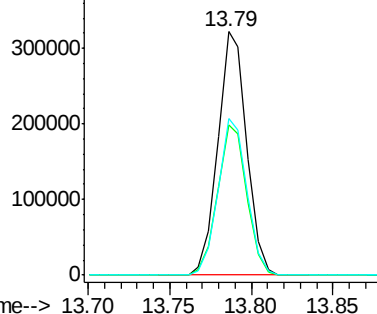


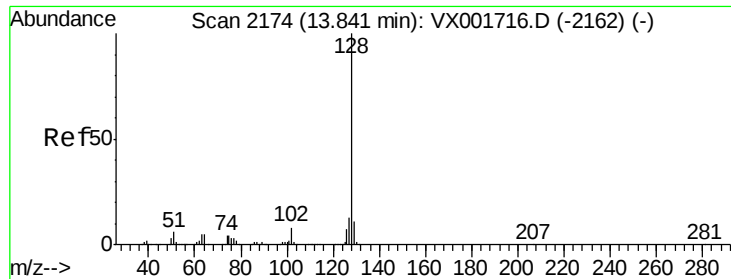
#94
 Hexachlorobutadiene
 Concen: 101.05 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001717.D
 Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	396404		
223	62.5	31.1	93.5	
227	64.2	31.9	95.5	



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





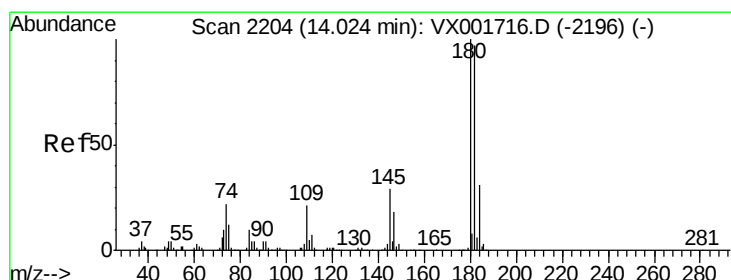
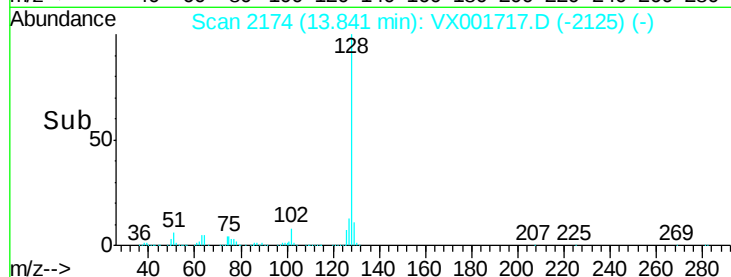
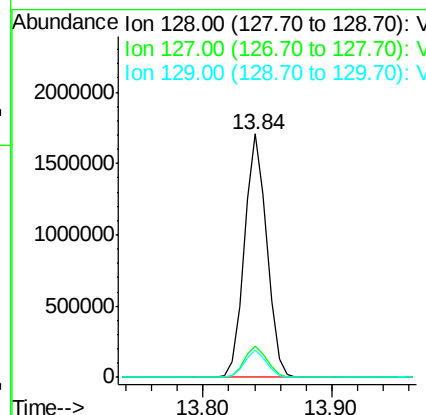
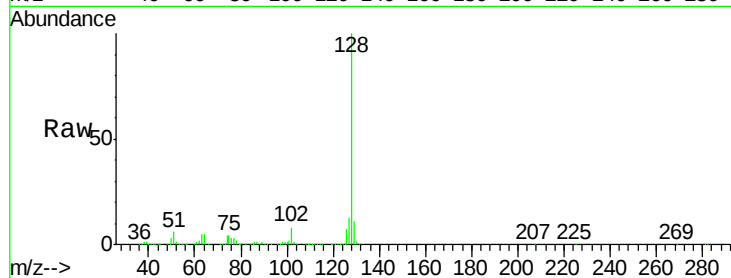
#95
Naphthalene
Concen: 103.32 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
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5/16/2018 11:54:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 101.27 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001717.D
Acq: 14 May 2018 18:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	28.3	14.2	42.8

